

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090420\
 Data File : VW016459.D
 Acq On : 04 Sep 2020 12:08
 Operator : SY/VA
 Sample : MDL01
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 10:12:13 AM

Quant Time: Sep 05 05:19:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 05 04:18:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	753144	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	673222	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	308480	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	191260	23.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.76%
7) Chloroethane-d5	2.90	69	183683	25.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.40%
10) 1,1-Dichloroethene-d2	4.03	63	309492	16.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.40%
20) 2-Butanone-d5	7.08	46	121366	42.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.06%
24) Chloroform-d	7.65	84	411885	23.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	8.31	65	226459	23.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.92%
29) Benzene-d6	8.28	84	826970	24.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.64%
33) 1,2-Dichloropropane-d6	9.28	67	238604	23.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.92%
37) Toluene-d8	10.33	98	816250	25.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.36%
38) trans-1,3-Dichloropropene-	10.59	79	118439	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.40%
39) 2-Hexanone-d5	10.93	63	99433	48.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	207447	24.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.60%
61) 1,2-Dichlorobenzene-d4	13.86	152	281744	26.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	5694	0.676 ug/L	96
3) Chloromethane	2.22	50	4915	0.664 ug/L	88
5) Vinyl chloride	2.37	62	7756	0.823 ug/L #	40
6) Bromomethane	2.79	94	6117	0.869 ug/L	95
8) Chloroethane	2.93	64	4133m	0.713 ug/L	
9) Trichlorofluoromethane	3.26	101	4800	0.622 ug/L	92
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	9237m	1.012 ug/L	
12) 1,1-Dichloroethene	4.03	96	9473m	1.021 ug/L	
13) Acetone	4.15	43	5544m	3.027 ug/L	
14) Carbon disulfide	4.39	76	19010	0.670 ug/L #	93
15) Methyl Acetate	4.70	43	3906m	0.879 ug/L	
16) Methylene chloride	4.92	84	27796	2.365 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	10067m	0.723 ug/L	
18) trans-1,2-Dichloroethene	5.44	96	7065	0.717 ug/L	92
19) 1,1-Dichloroethane	6.23	63	10696	0.637 ug/L	99
21) 2-Butanone	7.14	43	9696m	3.154 ug/L	
22) cis-1,2-Dichloroethene	7.17	96	6958	0.678 ug/L	77

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090420\
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Manual Integrations
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 Quant Title : VOC Analysis
 QLast Update : Sat Sep 05 04:18:48 2020
 Response via : Initial Calibration

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

23) Bromochloromethane	7.52	128	3351	0.704	ug/L	95
25) Chloroform	7.68	83	13836m	0.797	ug/L	
27) 1,2-Dichloroethane	8.41	62	8221	0.711	ug/L	95
30) Cyclohexane	7.96	56	11014	0.685	ug/L	96
31) 1,1,1-Trichloroethane	7.88	97	10699	0.734	ug/L	98
32) Carbon tetrachloride	8.07	117	9838	0.706	ug/L	99
34) Benzene	8.33	78	26647	0.724	ug/L	100
35) Trichloroethene	9.10	95	7068	0.693	ug/L	93
36) Methylcyclohexane	9.34	83	12490	0.700	ug/L	95
40) 1,2-Dichloropropane	9.37	63	6280	0.690	ug/L #	94
41) Bromodichloromethane	9.65	83	8910	0.700	ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	9930	0.643	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	15679m	2.433	ug/L	
44) Toluene	10.39	91	29560	0.718	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	8910m	0.645	ug/L	
46) 1,1,2-Trichloroethane	10.79	97	5366	0.744	ug/L	97
47) Tetrachloroethene	10.87	164	6155	0.753	ug/L	94
49) 2-Hexanone	10.97	43	5565	1.240	ug/L #	95
50) Dibromochloromethane	11.13	129	6010	0.659	ug/L	87
51) 1,2-Dibromoethane	11.24	107	4945	0.686	ug/L	91
52) Chlorobenzene	11.66	112	18606	0.712	ug/L	94
53) Ethylbenzene	11.73	91	32103	0.692	ug/L	98
54) m,p-Xylene	11.85	106	13203	0.745	ug/L	76
55) o-xylene	12.17	106	11878	0.703	ug/L	98
56) Styrene	12.18	104	19233	0.663	ug/L	95
57) Isopropylbenzene	12.47	105	34004	0.735	ug/L #	86
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	7348	0.855	ug/L #	92
59) 1,2,3-Trichloropropane	12.77	75	4247m	0.661	ug/L	
62) Bromoform	12.35	173	3459	0.668	ug/L #	95
63) 1,3-Dichlorobenzene	13.51	146	14569	0.750	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	14951	0.776	ug/L	91
65) 1,2-Dichlorobenzene	13.87	146	12733	0.738	ug/L #	83
66) 1,2-Dibromo-3-chloropropan	14.49	75	888m	0.552	ug/L	
67) 1,3,5-Trichlorobenzene	14.63	180	9647	0.721	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	7855	0.678	ug/L	98
69) Naphthalene	15.37	128	16374	0.670	ug/L	98
70) 1,2,3-Trichlorobenzene	15.56	180	7104	0.715	ug/L	99

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

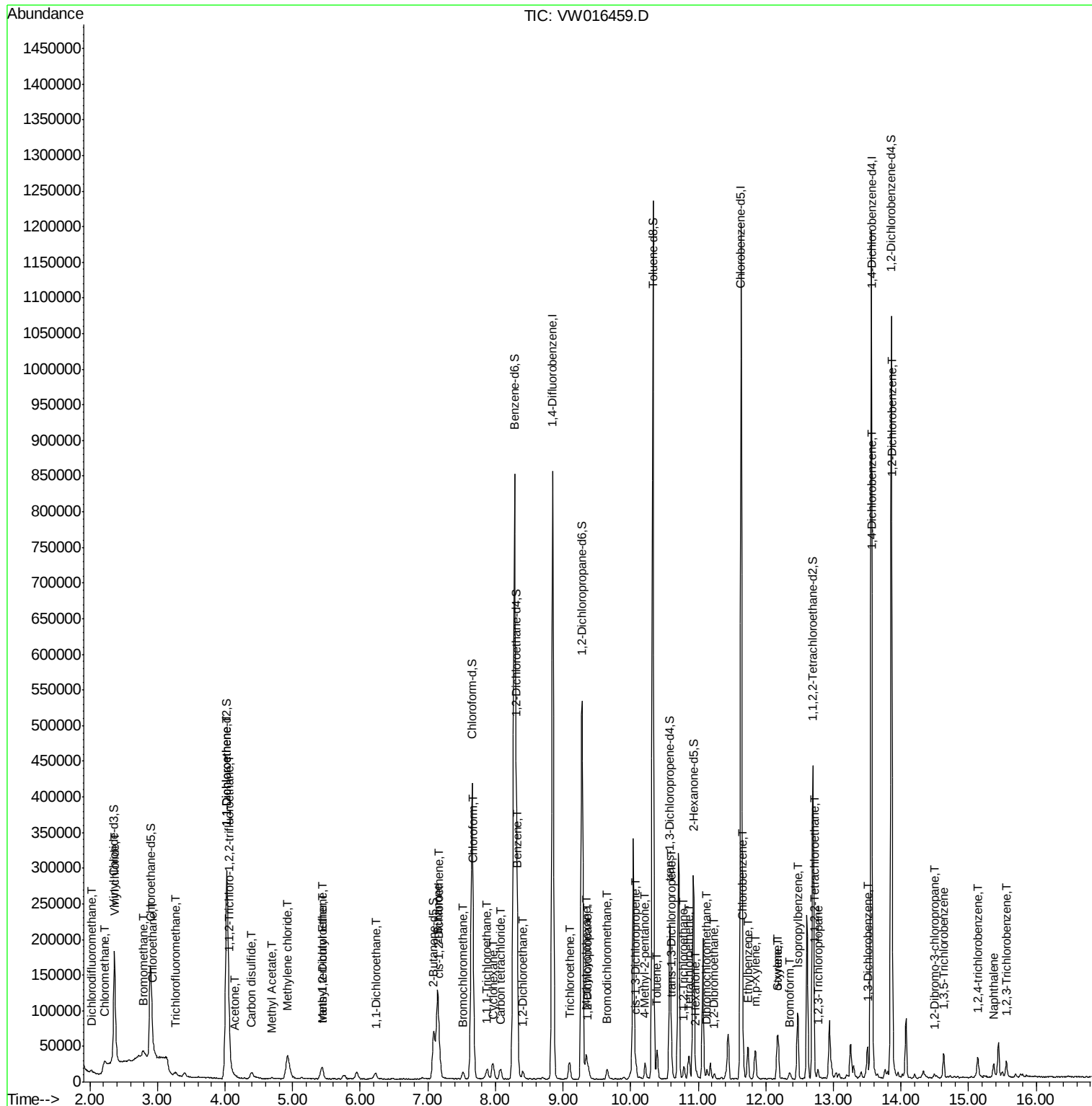
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090420\
Data File : VW016459.D
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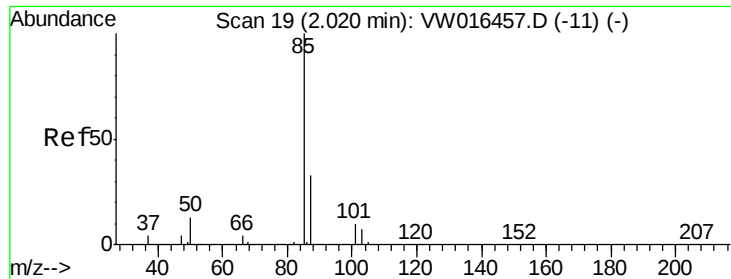
Instrument :
MSVOA_W
ClientSampleId :
MDL01

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.676 ug/L

RT: 2.03 min Scan# 20

Delta R.T. 0.01 min

Lab File: VW016459.D

Acq: 04 Sep 2020 12:08

Instrument :

MSVOA_W

ClientSampleId :

MDL01

Tot Ion: 85 Resp: 5694

Ion Ratio Lower Upper

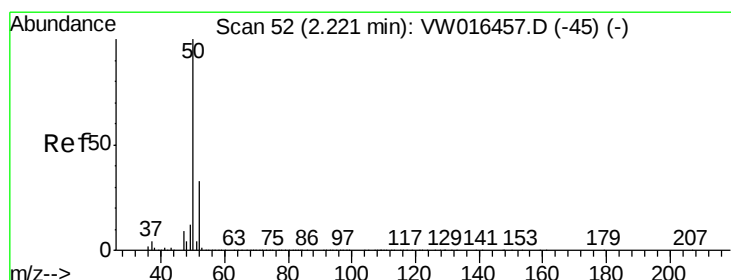
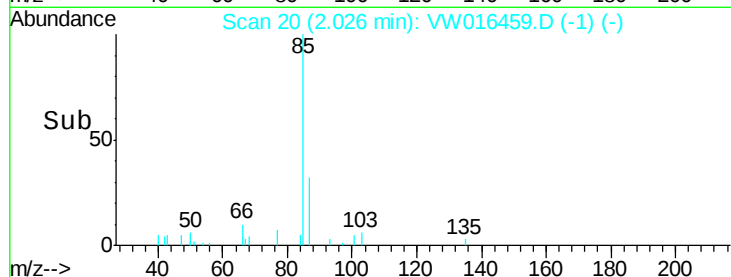
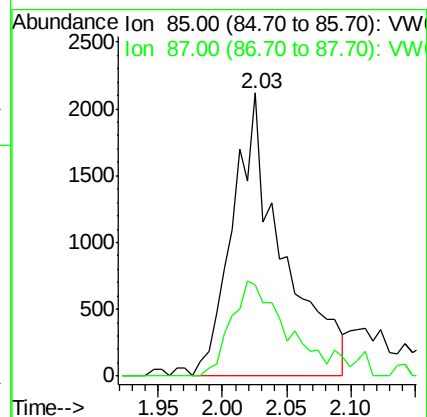
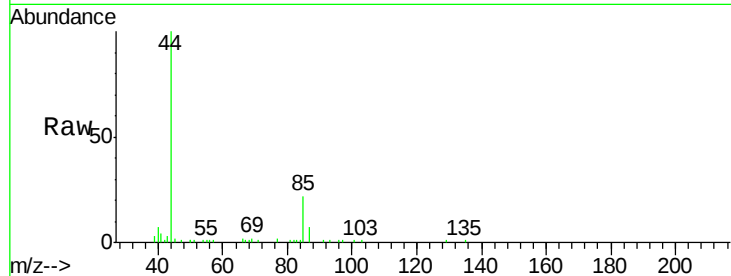
85 100

87 29.6 22.3 41.5

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#3

Chloromethane

Concen: 0.664 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW016459.D

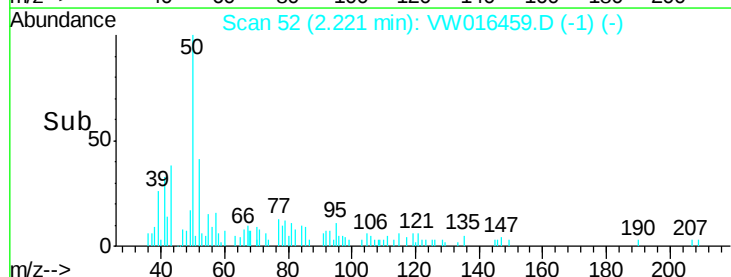
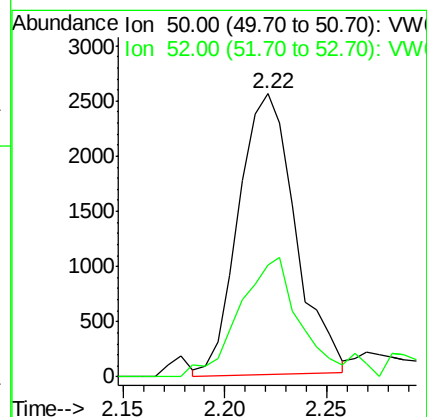
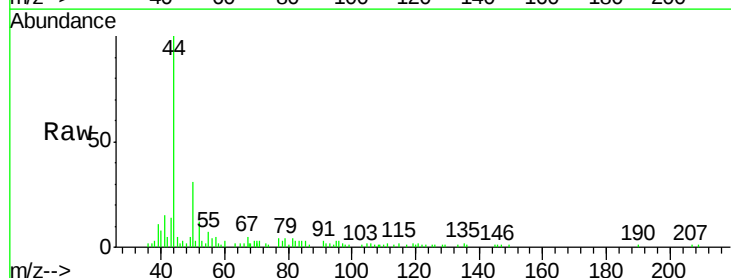
Acq: 04 Sep 2020 12:08

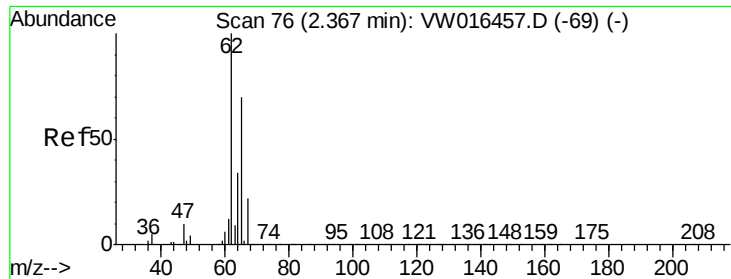
Tgt Ion: 50 Resp: 4915

Ion Ratio Lower Upper

50 100

52 39.4 23.0 42.6





#5

Vinyl chloride

Concen: 0.823 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW016459.D

Acq: 04 Sep 2020 12:08

Instrument :

MSVOA_W

ClientSampleId :

MDL01

Tot Ion: 62 Resp: 7756

Ion Ratio Lower Upper

62 100

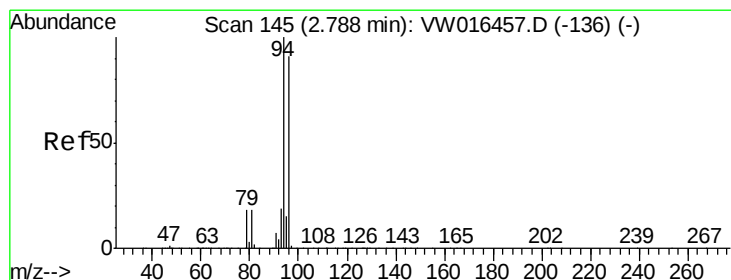
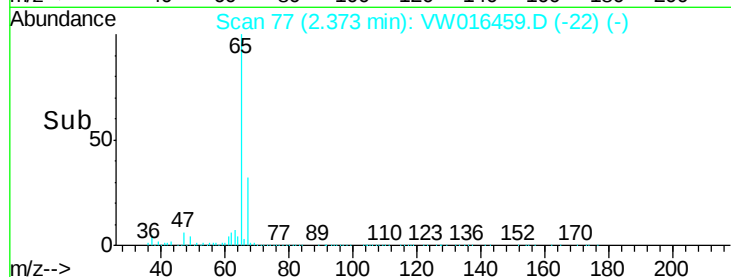
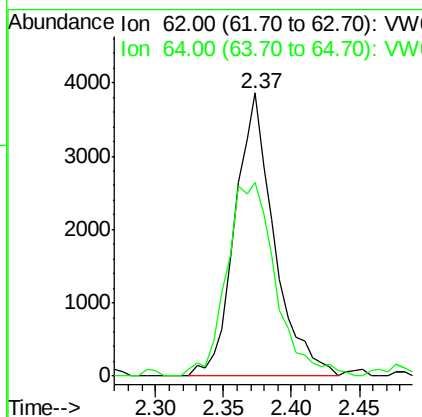
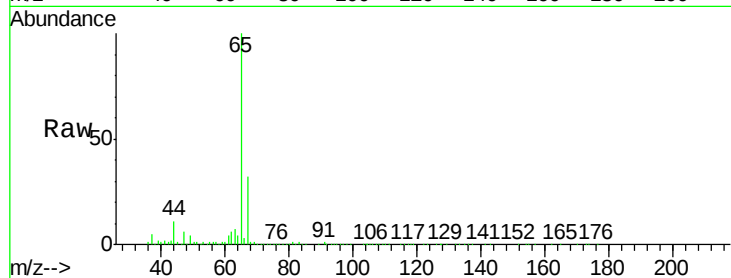
64 68.4 23.9 44.5#

Manual Integrations

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#6

Bromomethane

Concen: 0.869 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.01 min

Lab File: VW016459.D

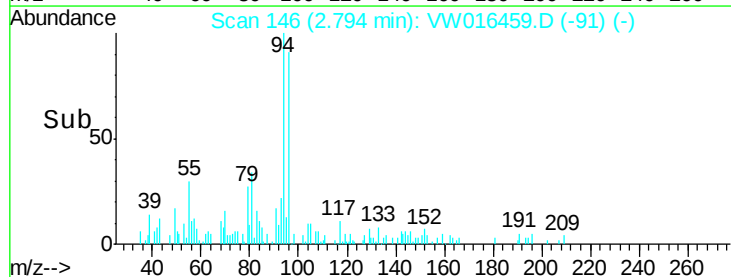
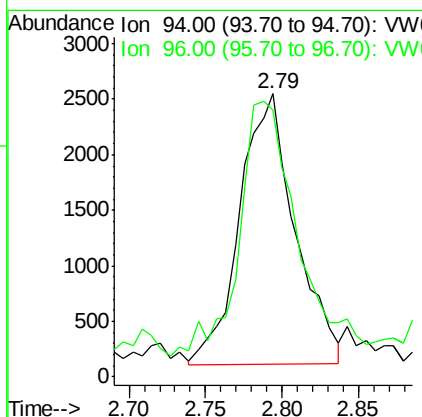
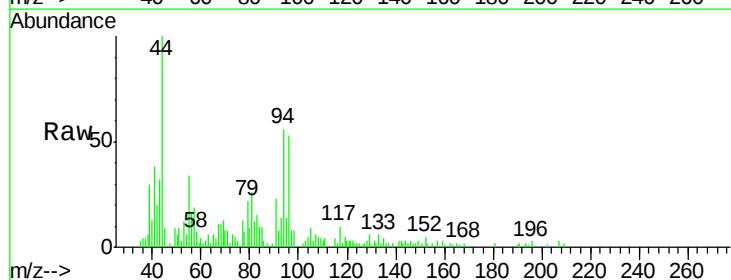
Acq: 04 Sep 2020 12:08

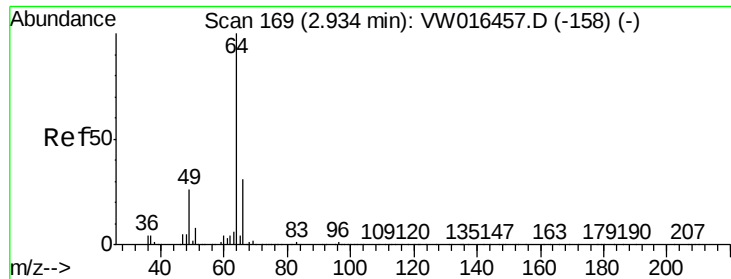
Tgt Ion: 94 Resp: 6117

Ion Ratio Lower Upper

94 100

96 89.2 9.4 178.2





#8

Chloroethane

Concen: 0.713 ug/L m

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW016459.D

Acq: 04 Sep 2020 12:08

Instrument :

MSVOA_W

ClientSampled :

MDL01

Tot Ion: 64 Resp: 4133

Ion Ratio Lower Upper

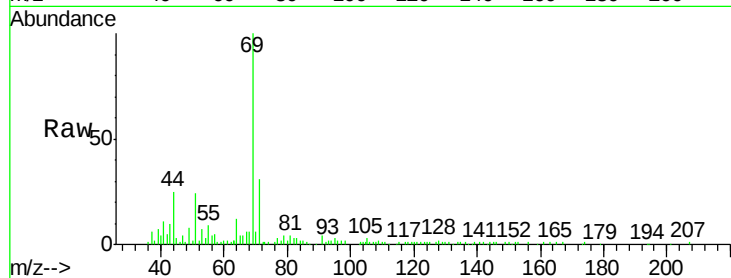
64 100

66 35.4 22.4 41.6

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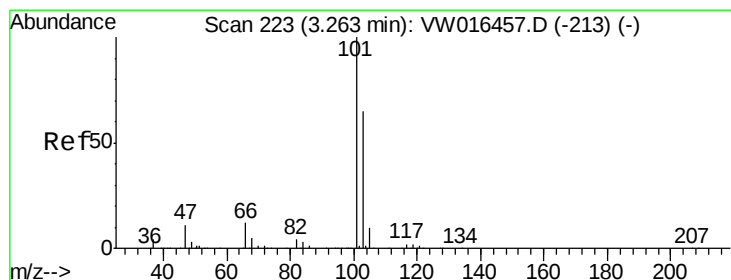
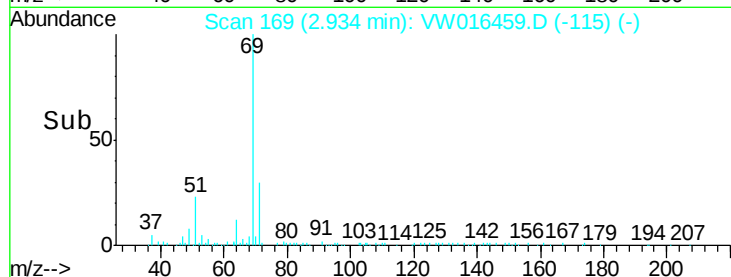
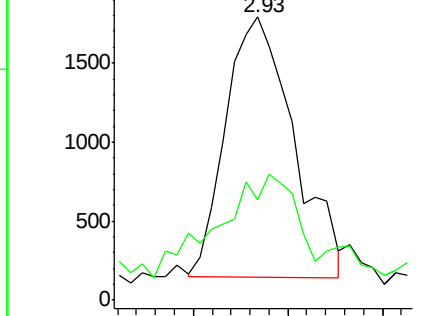
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Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 0.622 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW016459.D

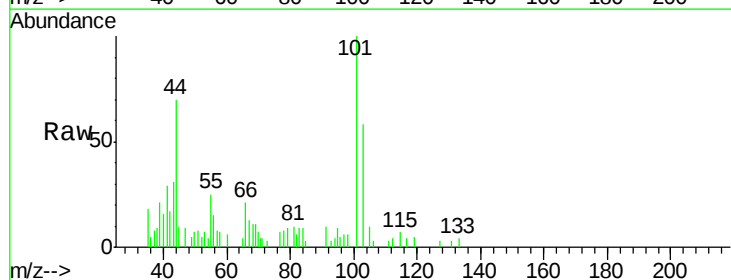
Acq: 04 Sep 2020 12:08

Tgt Ion: 101 Resp: 4800

Ion Ratio Lower Upper

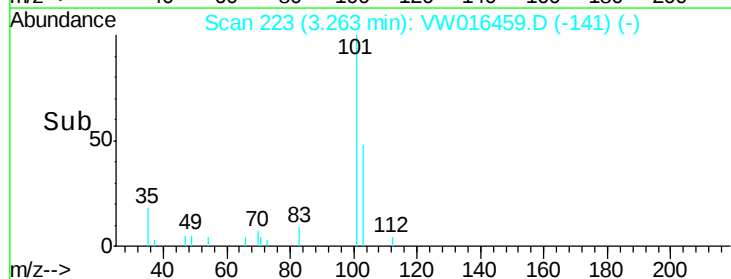
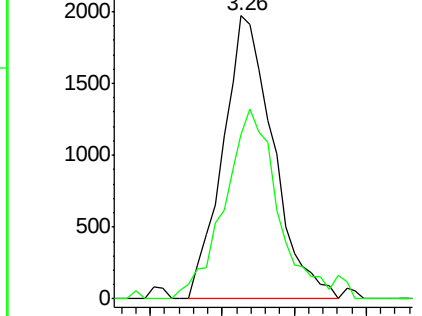
101 100

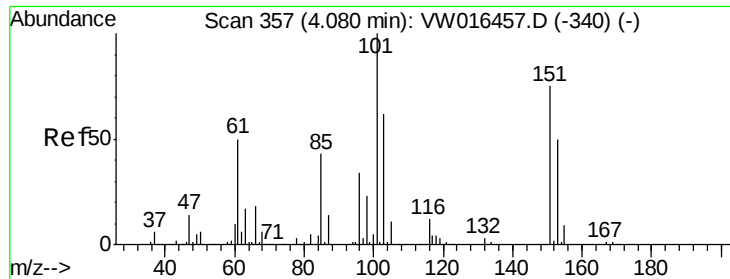
103 70.3 45.1 83.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 1.012 ug/L m

RT: 4.06 min Scan# 354

Delta R.T. -0.02 min

Lab File: VW016459.D

Acq: 04 Sep 2020 12:08

Instrument :

MSVOA_W

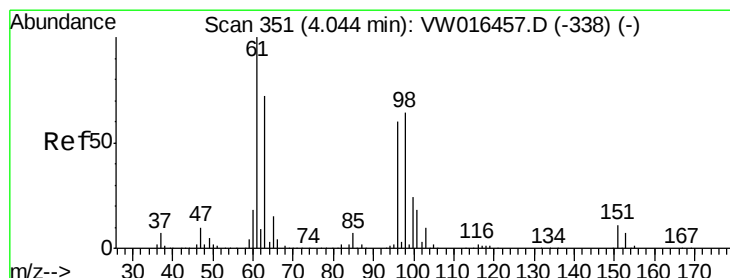
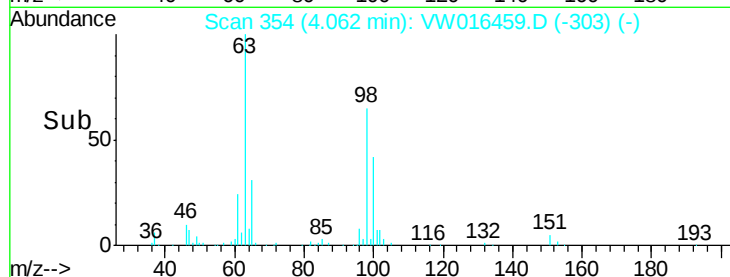
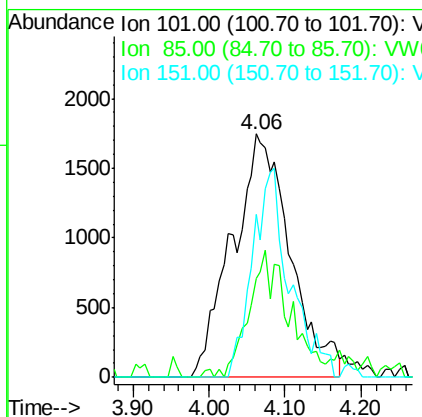
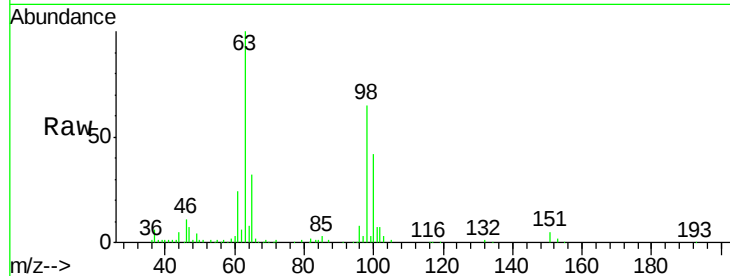
ClientSampled :

MDL01

Tot Ion:	101	Resp:	9237
Ion Ratio	Lower	Upper	
101	100		
85	18.5	33.4	50.0#
151	0.0	61.6	92.4#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.021 ug/L m

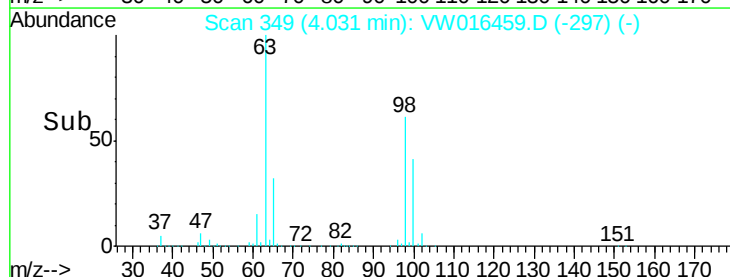
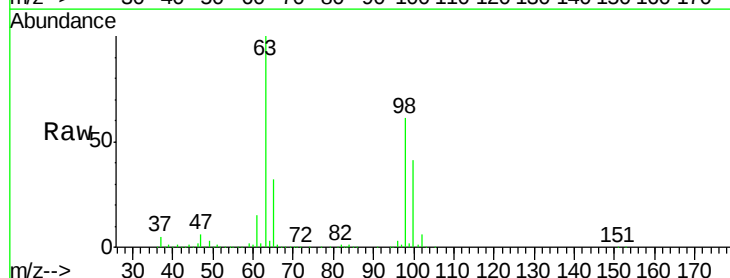
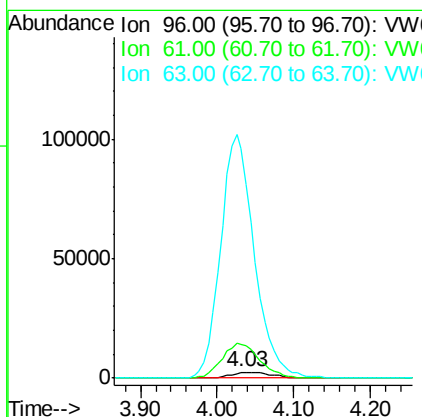
RT: 4.03 min Scan# 349

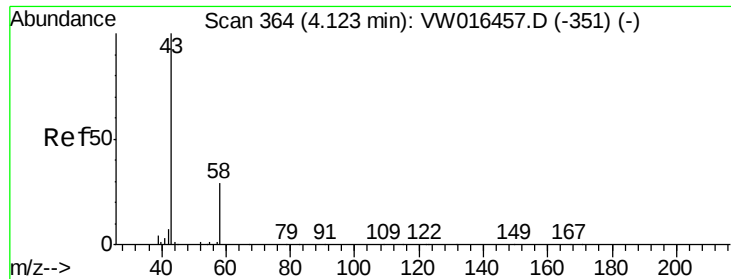
Delta R.T. -0.01 min

Lab File: VW016459.D

Acq: 04 Sep 2020 12:08

Tgt Ion:	96	Resp:	9473
Ion Ratio	Lower	Upper	
96	100		
61	587.4	116.5	216.3#
63	3940.8	81.1	150.5#





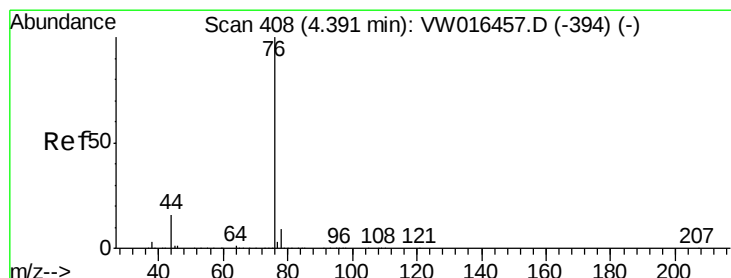
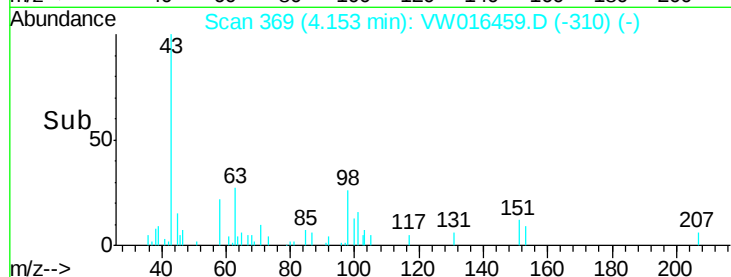
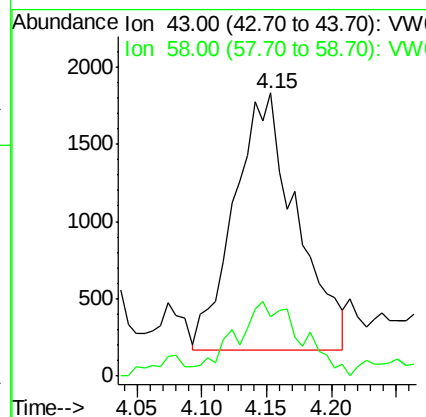
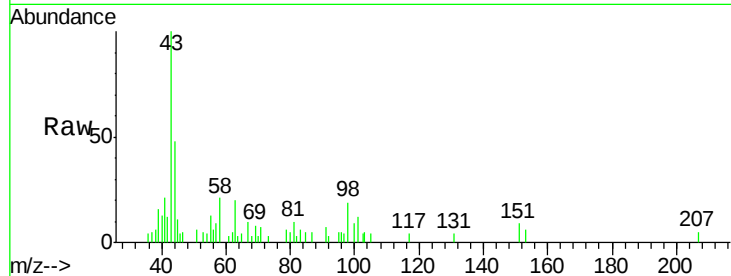
#13
Acetone
Concen: 3.027 ug/L m
RT: 4.15 min Scan# 369
Delta R.T. 0.03 min
Lab File: VW016459.D
Acq: 04 Sep 2020 12:08

Instrument :
MSVOA_W
ClientSampled :
MDL01

Tot Ion	43	Resp	5544
Ion Ratio	100	Lower	Upper
58	10.6	0.0	63.0

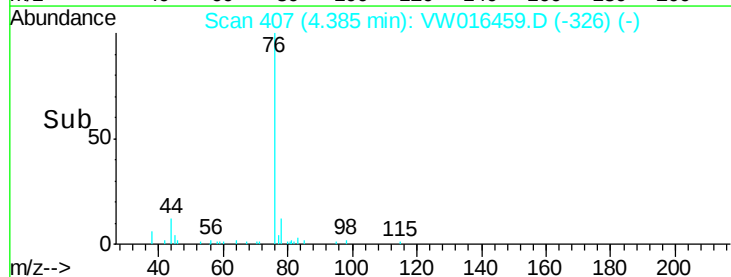
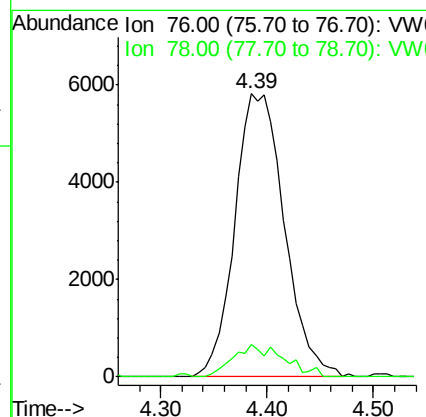
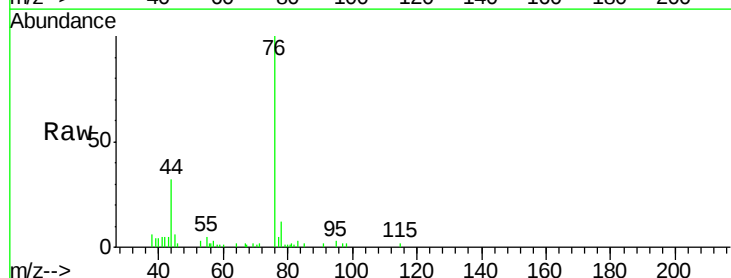
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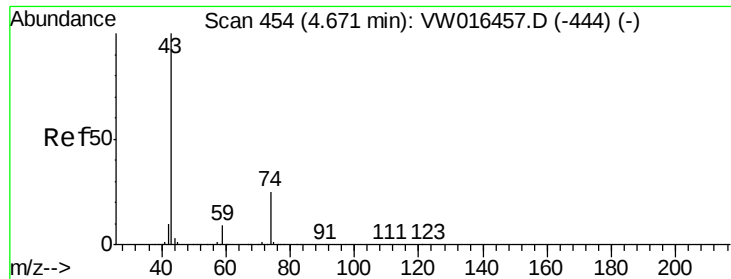
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9/8/2020 10:12:13 AM



#14
Carbon disulfide
Concen: 0.670 ug/L
RT: 4.39 min Scan# 407
Delta R.T. -0.01 min
Lab File: VW016459.D
Acq: 04 Sep 2020 12:08

Tgt Ion	76	Resp	19010
Ion Ratio	100	Lower	Upper
78	11.6	7.3	10.9#





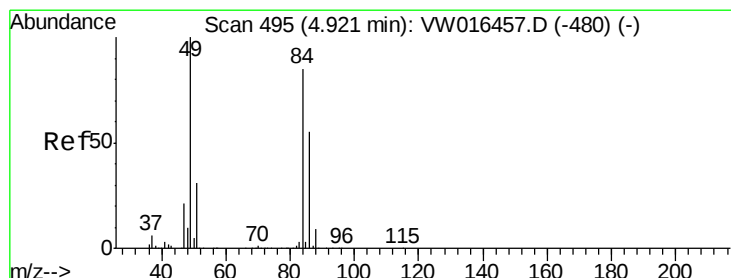
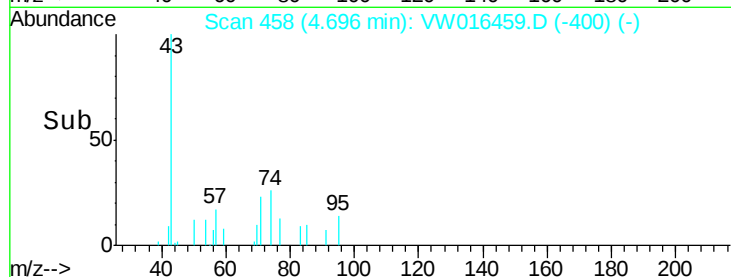
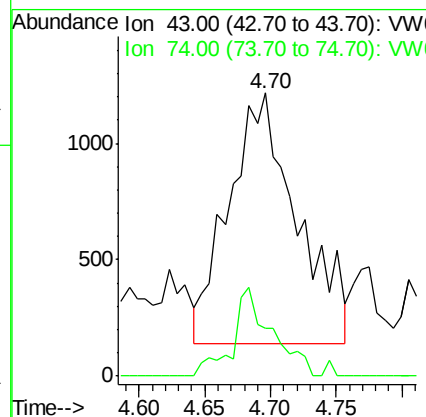
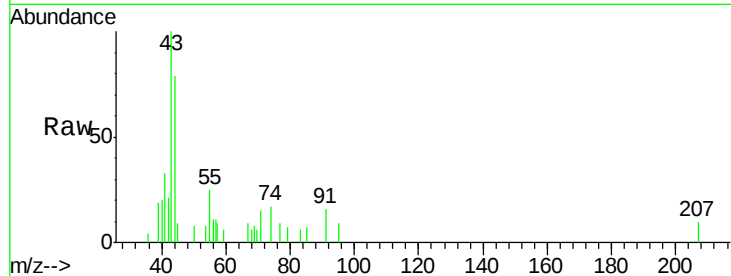
#15
Methyl Acetate
Concen: 0.879 ug/L m
RT: 4.70 min Scan# 458
Delta R.T. 0.02 min
Lab File: VW016459.D
Acq: 04 Sep 2020 12:08

Instrument :
MSVOA_W
ClientSampled :
MDL01

Tot Ion	43	Resp	3906
Ion Ratio	100	Lower	Upper
43	100		
74	8.1	18.9	28.3#

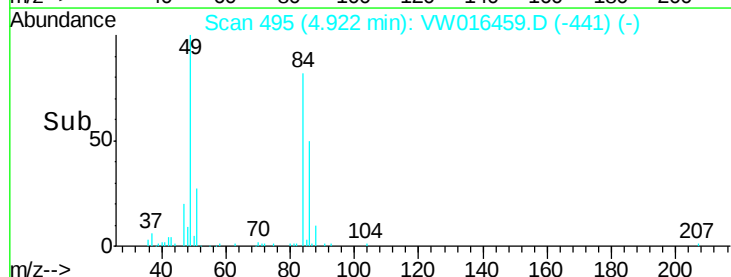
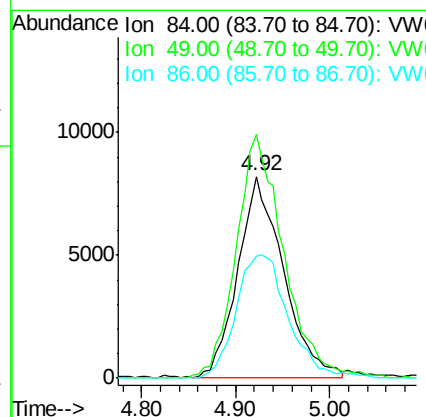
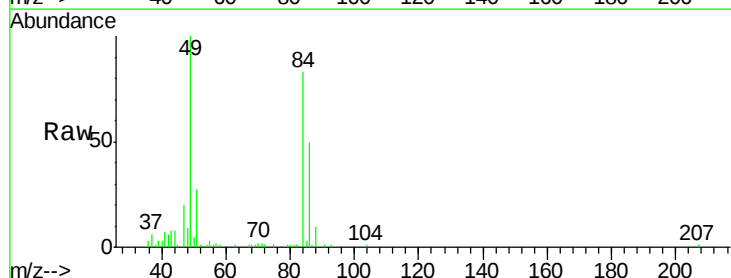
Manual Integrations
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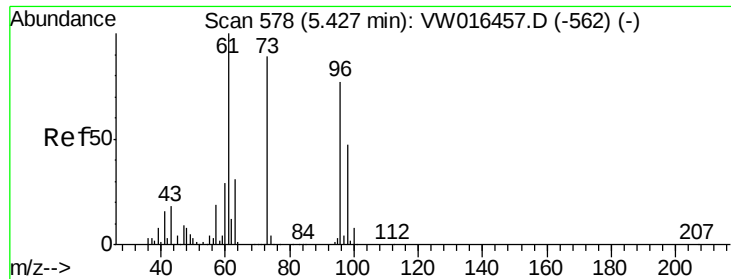
MMDadoda
9/8/2020 10:12:13 AM



#16
Methylene chloride
Concen: 2.365 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW016459.D
Acq: 04 Sep 2020 12:08

Tgt Ion	84	Resp	27796
Ion Ratio	100	Lower	Upper
84	100		
49	120.6	86.7	160.9
86	60.5	44.9	83.5





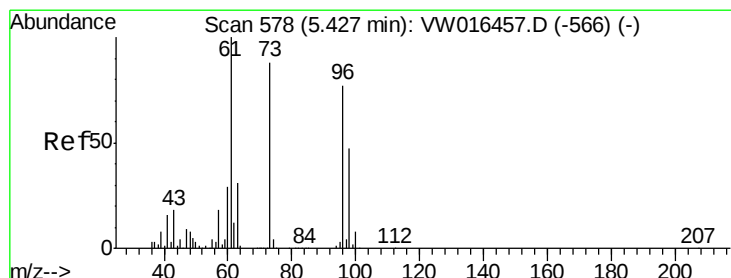
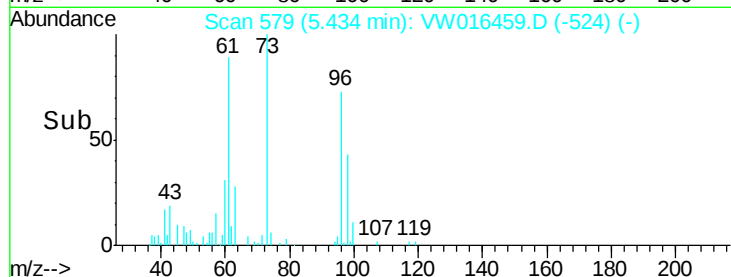
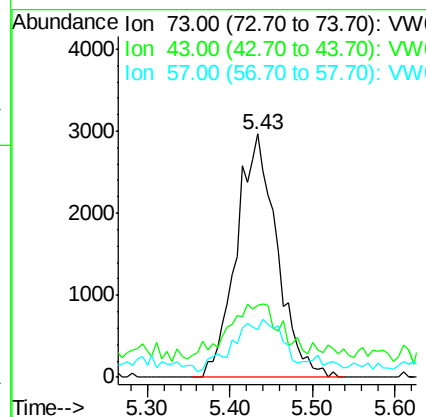
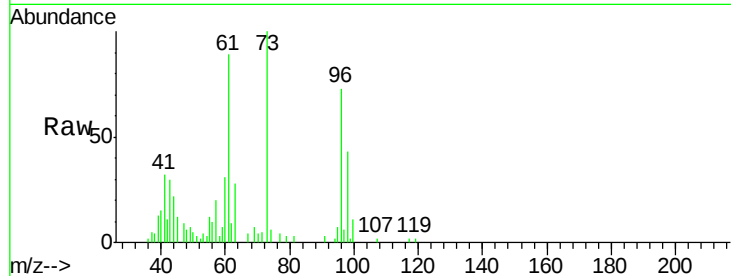
#17
Methvl tert-butvl Ether
Concen: 0.723 ug/L m
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW016459.D
Acq: 04 Sep 2020 12:08

Instrument :
MSVOA_W
ClientSampleId :
MDL01

Tot Ion	Ratio	Resp	Lower	Upper
73	100			
43	8.6	17.9	26.9#	
57	7.0	17.4	26.0#	

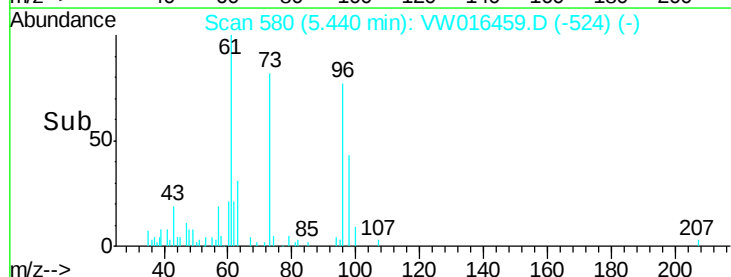
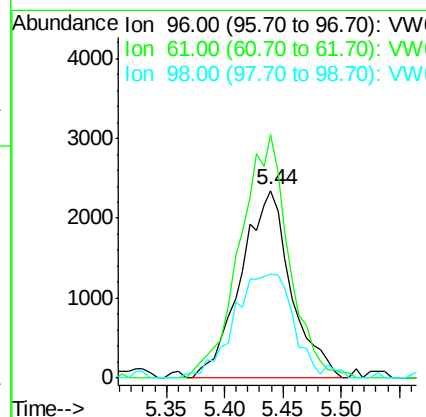
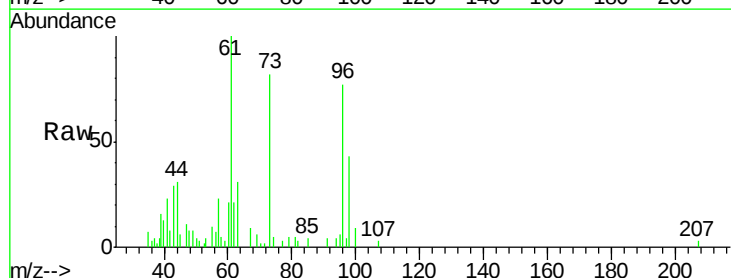
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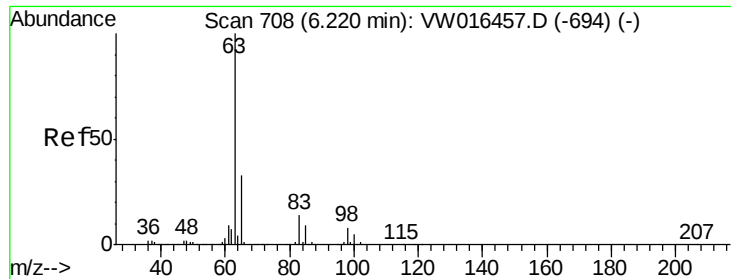
MMDadoda
9/8/2020 10:12:13 AM



#18
trans-1,2-Dichloroethene
Concen: 0.717 ug/L
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW016459.D
Acq: 04 Sep 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	129.5	96.4	179.0	
98	55.2	45.1	83.7	





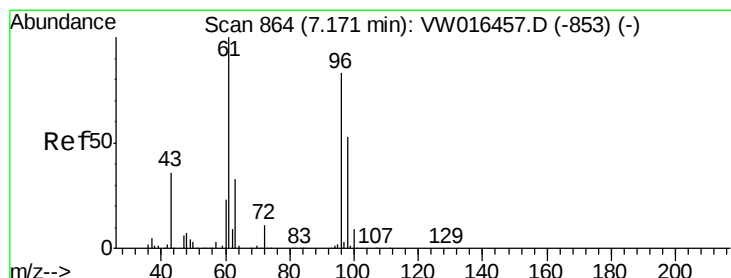
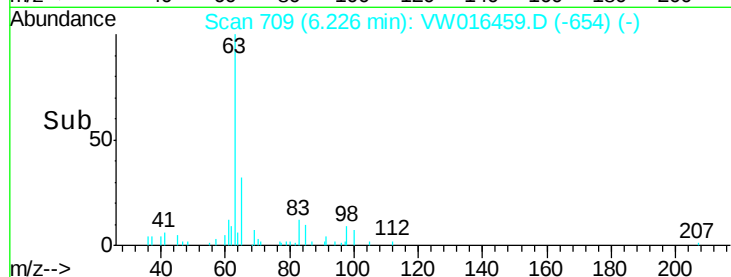
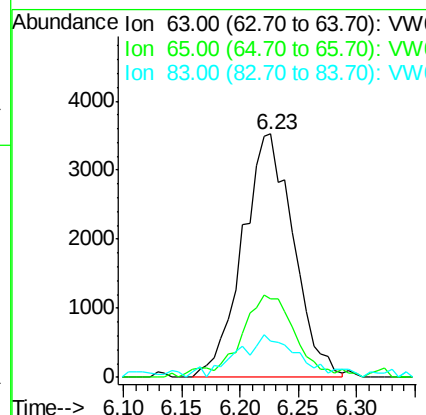
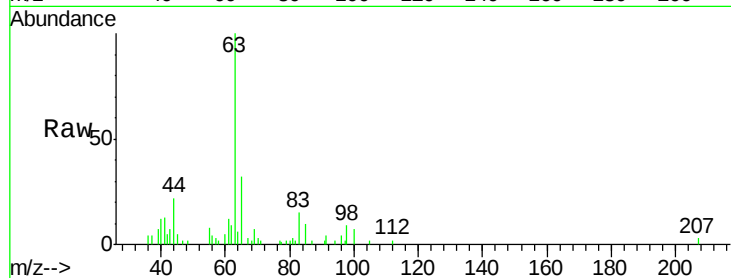
#19
 1,1-Dichloroethane
 Concen: 0.637 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VW016459.D
 Acq: 04 Sep 2020 12:08

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Tot Ion	63	Resp	10696
Ion	Ratio	Lower	Upper
63	100		
65	32.3	23.3	43.3
83	14.7	10.3	19.1

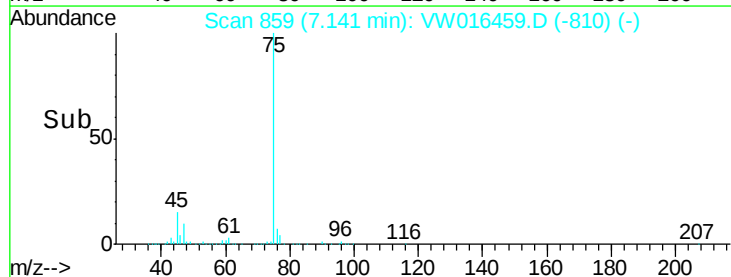
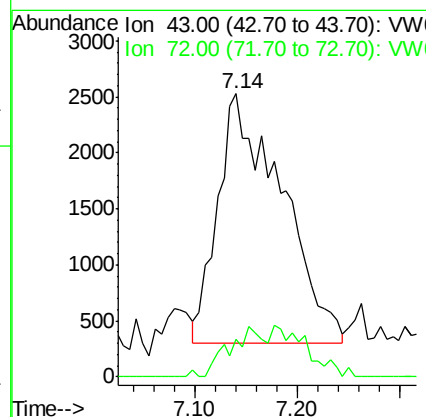
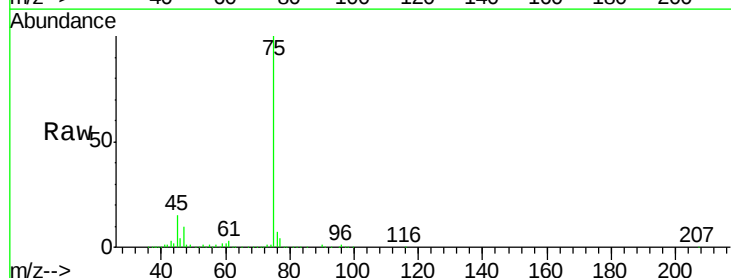
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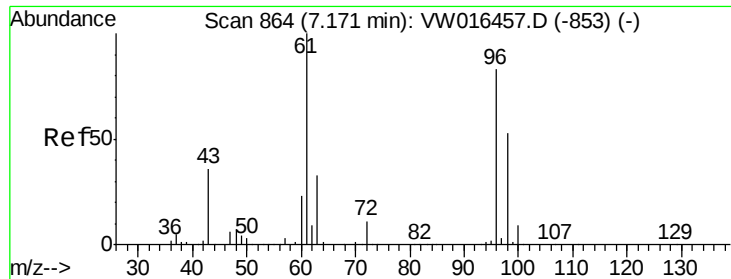
MMDadoda
 9/8/2020 10:12:13 AM



#21
 2-Butanone
 Concen: 3.154 ug/L m
 RT: 7.14 min Scan# 859
 Delta R.T. -0.03 min
 Lab File: VW016459.D
 Acq: 04 Sep 2020 12:08

Tgt Ion	43	Resp	9696
Ion	Ratio	Lower	Upper
43	100		
72	3.1	13.5	40.4#





#22

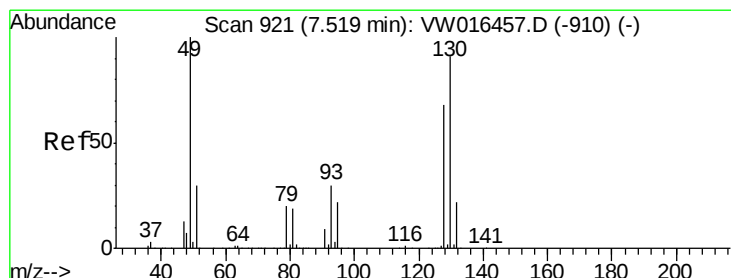
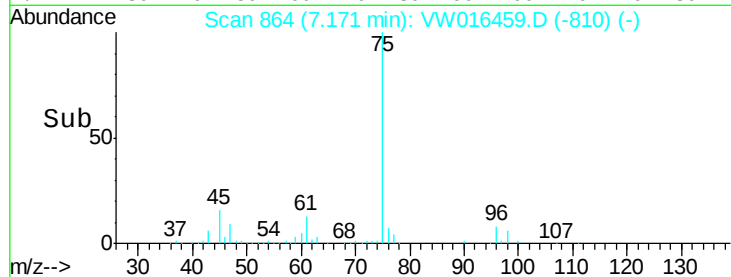
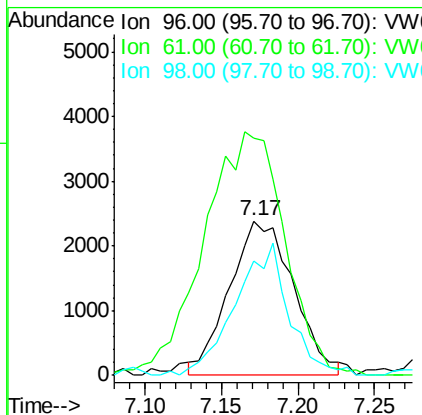
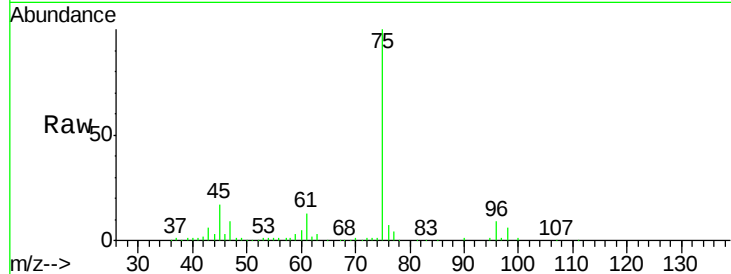
cis-1,2-Dichloroethene
Concen: 0.678 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW016459.D
Acq: 04 Sep 2020 12:08

Instrument :
MSVOA_W
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.9	86.1	159.9
98	74.0	44.1	81.9

Manual Integrations
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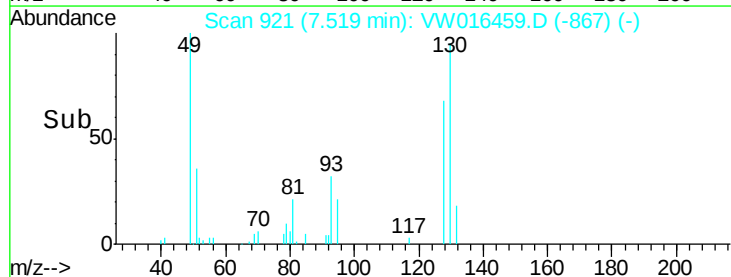
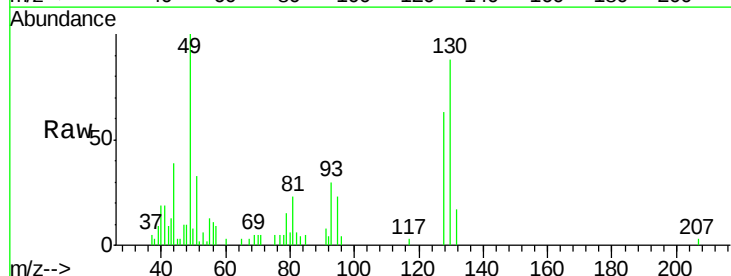
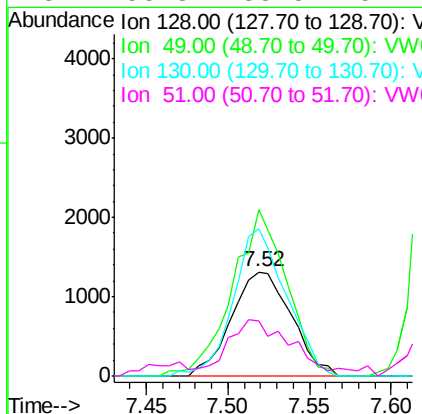
MMDadoda
9/8/2020 10:12:13 AM

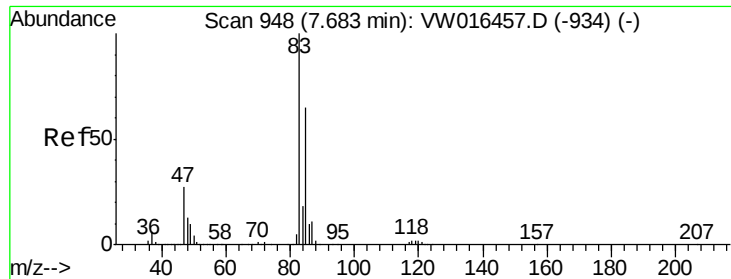


#23

Bromochloromethane
Concen: 0.704 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW016459.D
Acq: 04 Sep 2020 12:08

Tgt Ion	Ratio	Lower	Upper
128	100		
49	159.6	111.6	207.4
130	141.1	90.9	168.7
51	53.3	38.5	57.7





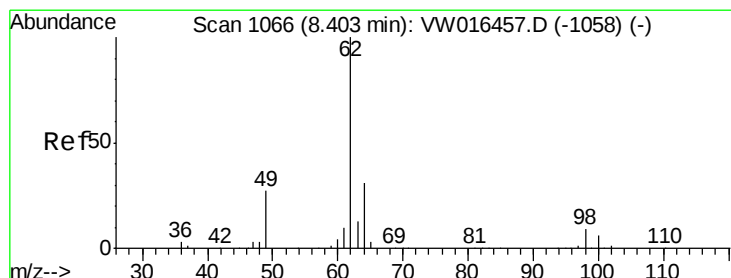
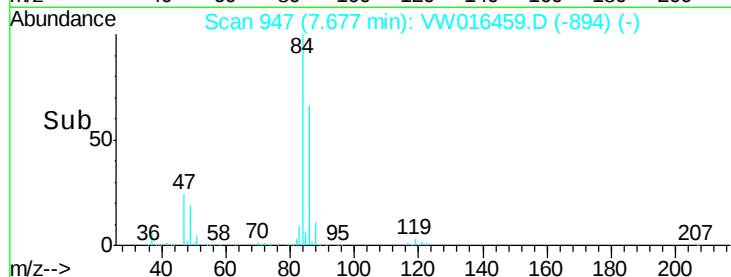
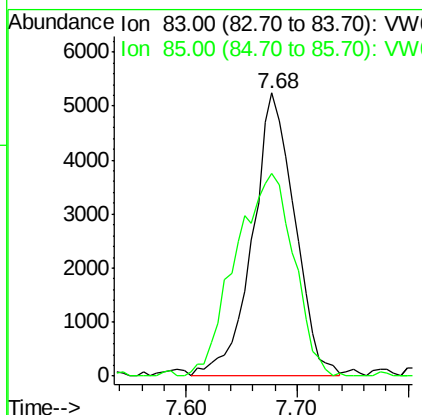
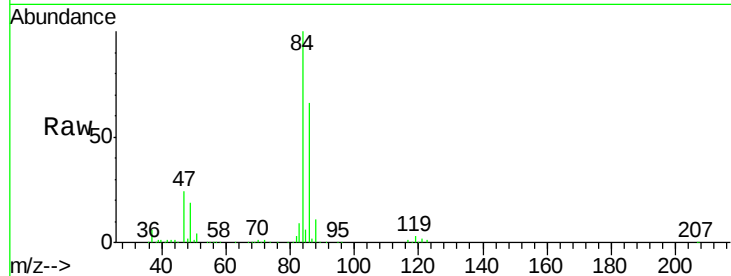
#25
Chloroform
Concen: 0.797 ug/L m
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW016459.D
Acq: 04 Sep 2020 12:08

Instrument :
MSVOA_W
ClientSampleId :
MDL01

Tot Ion	83	Resp	13836
Ion Ratio	100	Lower	Upper
85	0.3	45.6	84.8#

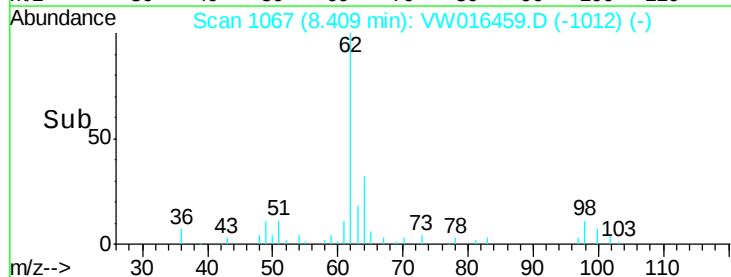
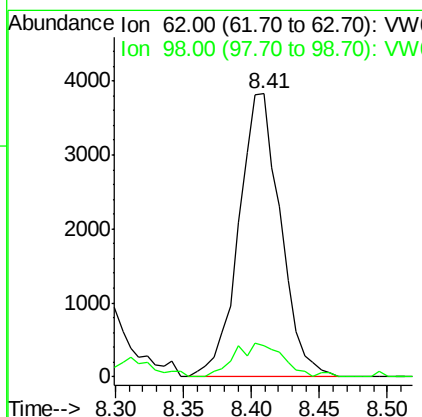
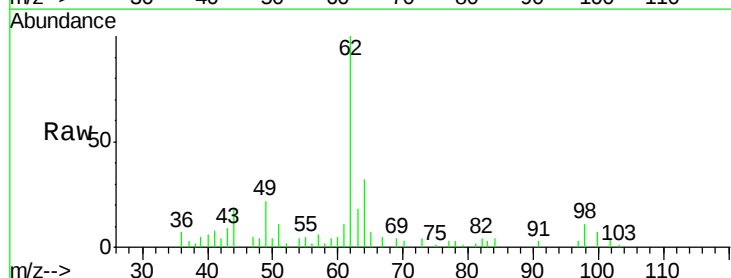
Manual Integrations
APPROVED

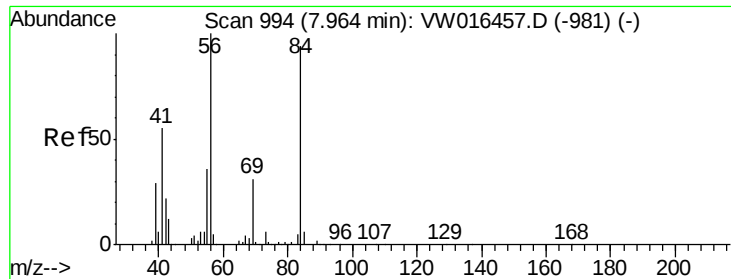
MMDadoda
9/8/2020 10:12:13 AM



#27
1,2-Dichloroethane
Concen: 0.711 ug/L
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW016459.D
Acq: 04 Sep 2020 12:08

Tgt Ion	62	Resp	8221
Ion Ratio	100	Lower	Upper
98	10.9	7.3	10.9





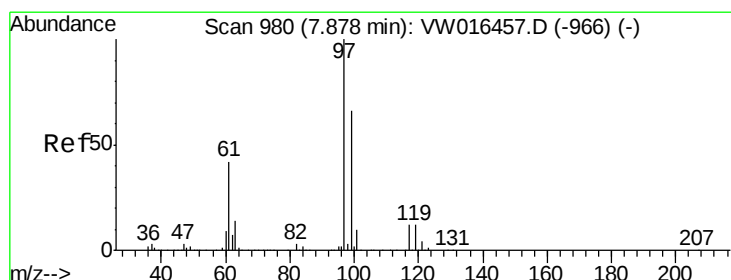
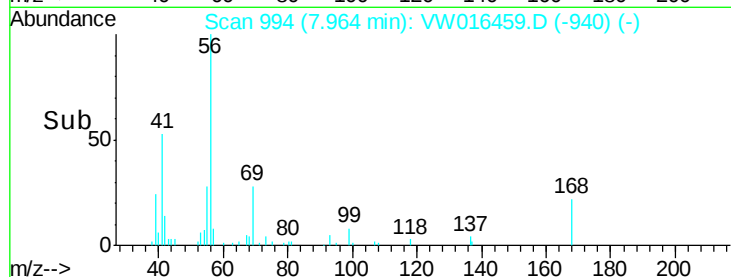
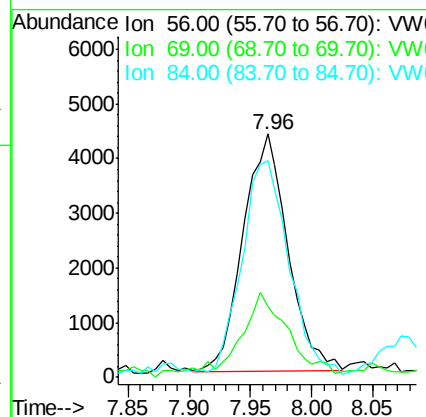
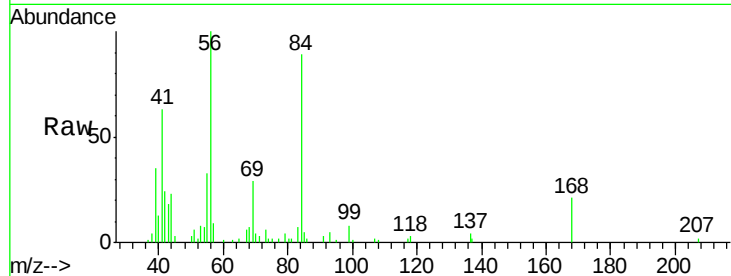
#30
Cvclohexane
Concen: 0.685 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.00 min
Lab File: VW016459.D
Acq: 04 Sep 2020 12:08

Instrument :
MSVOA_W
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.3	37.9
84	94.3	71.6	107.4

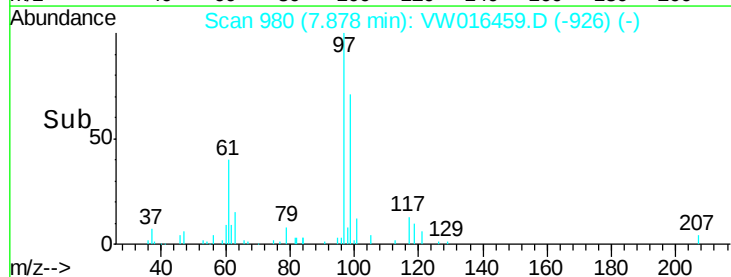
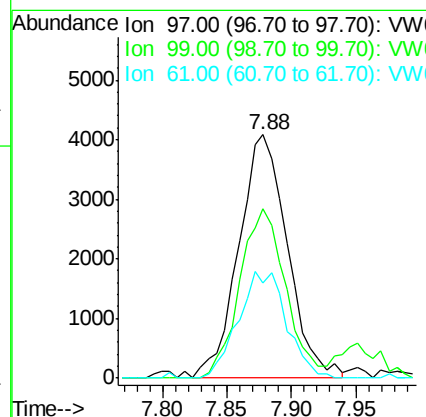
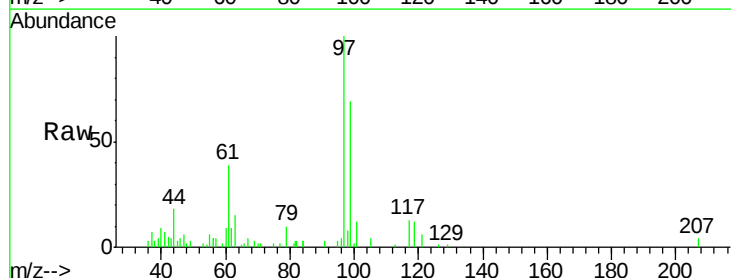
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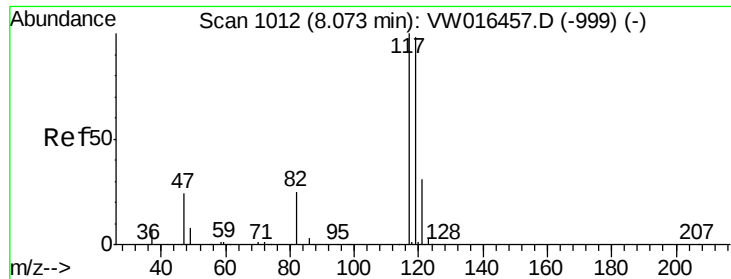
MMDadoda
9/8/2020 10:12:13 AM



#31
1,1,1-Trichloroethane
Concen: 0.734 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW016459.D
Acq: 04 Sep 2020 12:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	52.2	78.2
61	43.4	36.3	54.5





#32

Carbon tetrachloride

Concen: 0.706 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016459.D

Acq: 04 Sep 2020 12:08

Instrument :

MSVOA_W

ClientSampled :

MDL01

Tot Ion:117 Resp: 9838

Ion Ratio Lower Upper

117 100

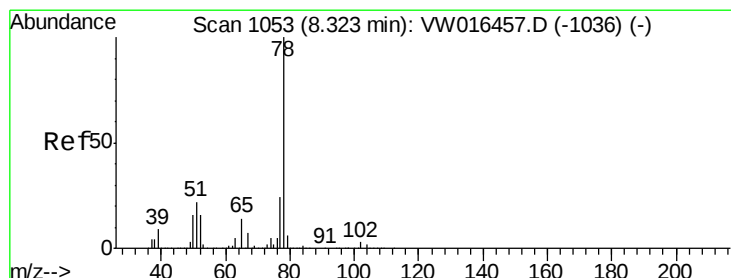
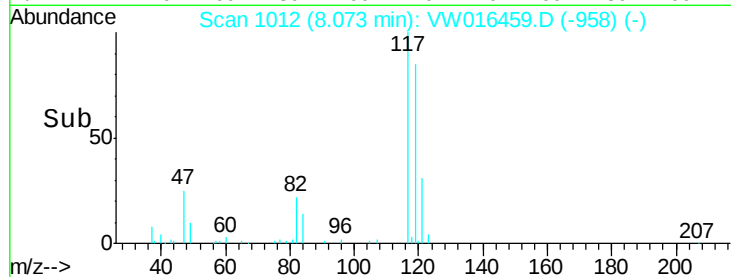
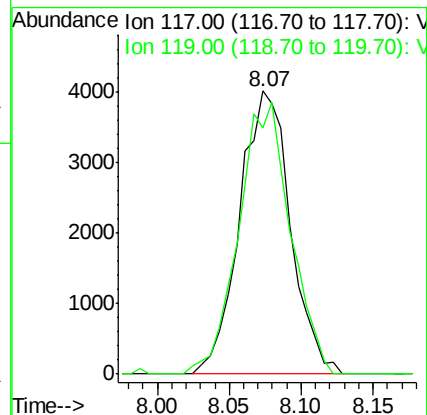
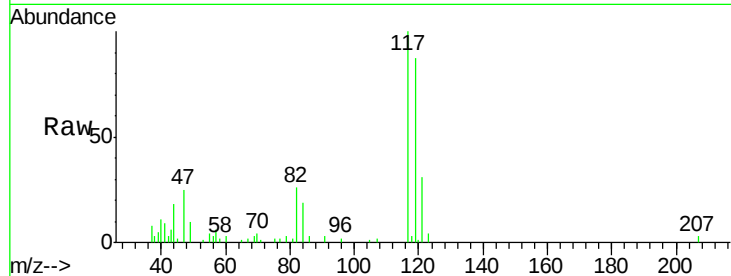
119 97.9 77.8 116.6

Manual Integrations

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9/8/2020 10:12:13 AM



#34

Benzene

Concen: 0.724 ug/L

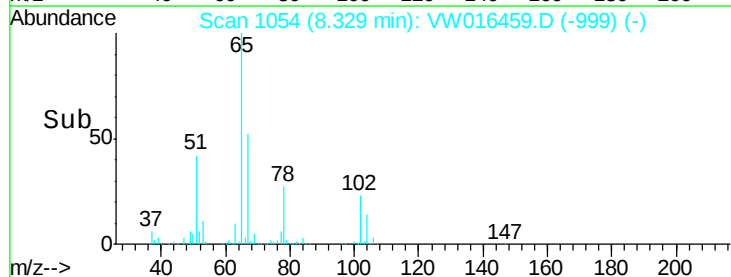
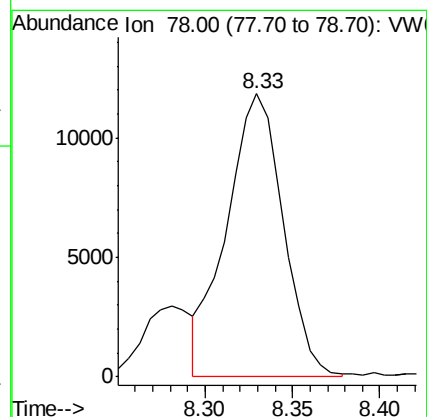
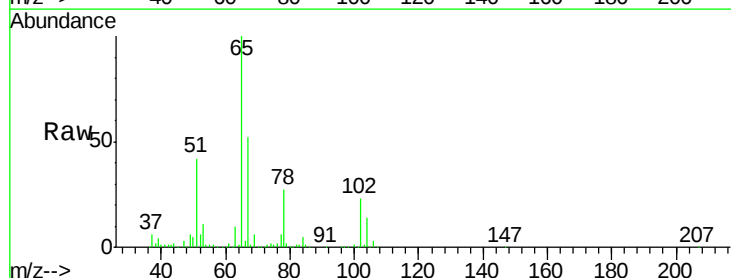
RT: 8.33 min Scan# 1054

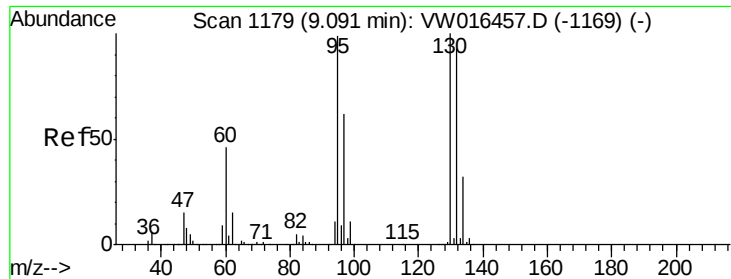
Delta R.T. 0.01 min

Lab File: VW016459.D

Acq: 04 Sep 2020 12:08

Tgt Ion: 78 Resp: 26647





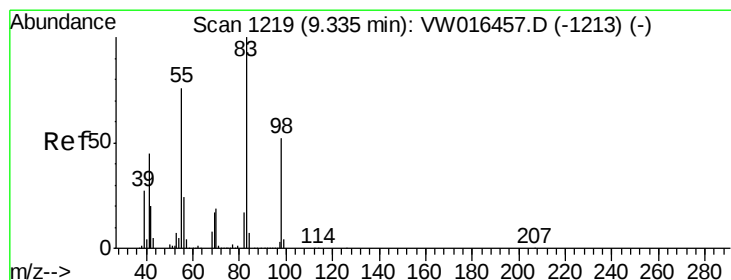
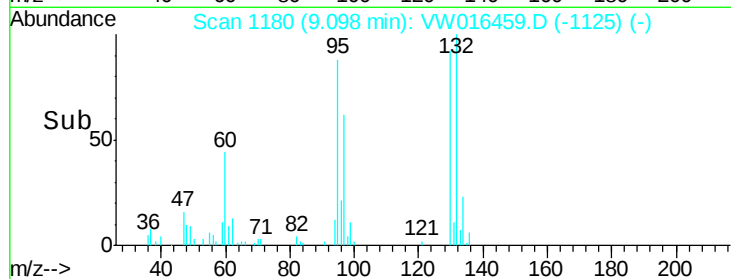
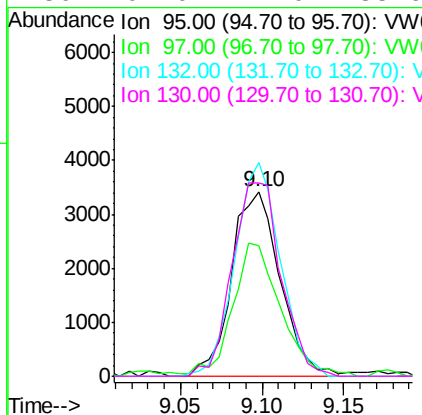
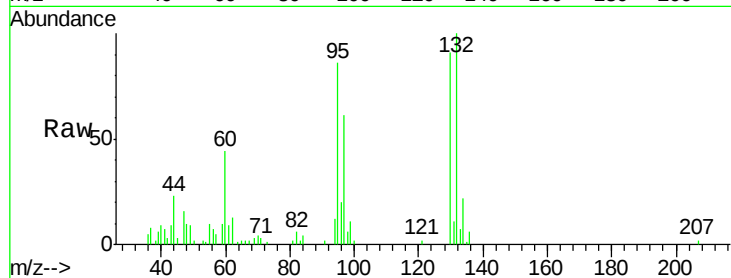
#35
 Trichloroethene
 Concen: 0.693 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW016459.D
 Acq: 04 Sep 2020 12:08

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		7068		
97	69.0		44.9	83.5	
132	108.7		69.2	128.4	
130	107.0		72.0	133.6	

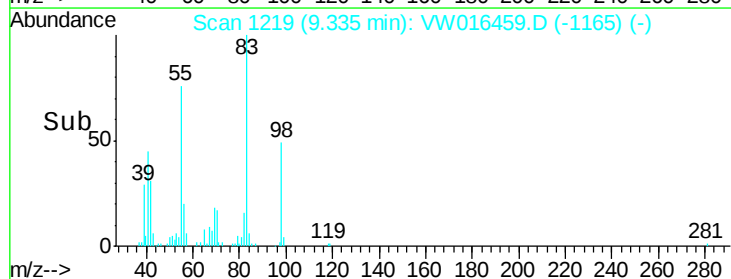
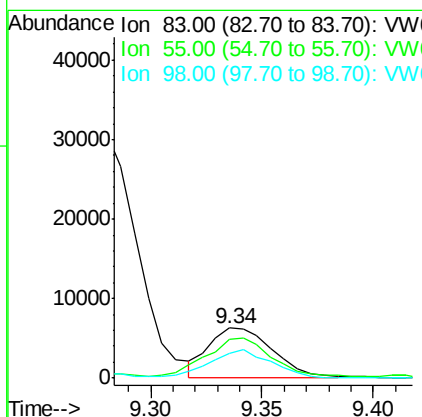
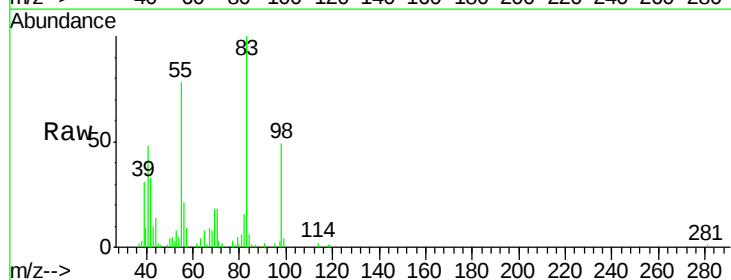
Manual Integrations
 APPROVED

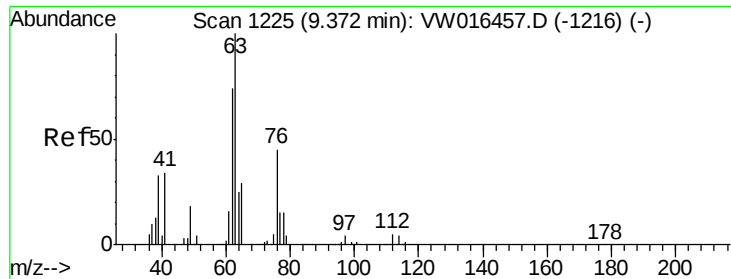
MMDadoda
 9/8/2020 10:12:13 AM



#36
 Methylcyclohexane
 Concen: 0.700 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW016459.D
 Acq: 04 Sep 2020 12:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		12490		
55	78.8		60.9	91.3	
98	54.8		40.0	60.0	





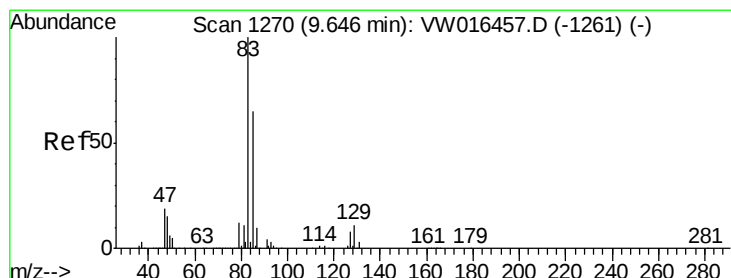
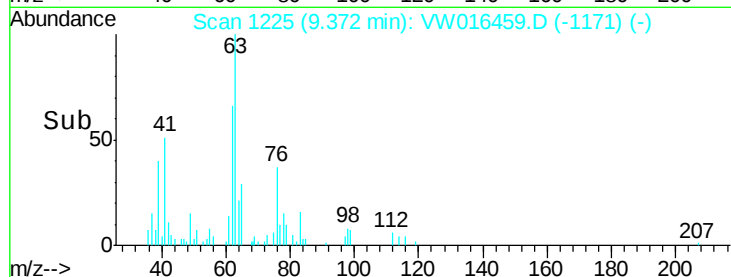
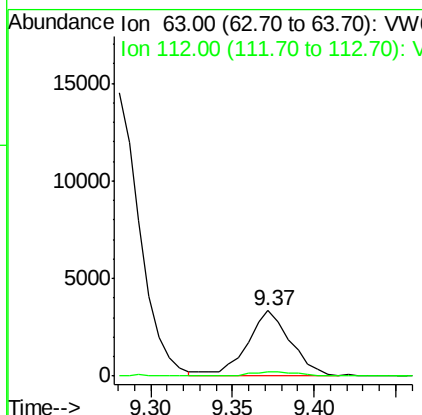
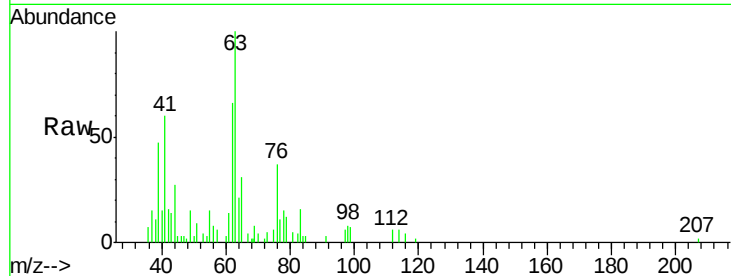
#40
 1,2-Dichloropropane
 Concen: 0.690 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016459.D
 Acq: 04 Sep 2020 12:08

Instrument :
 MSVOA_W
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
63	100		
112	6.9	3.8	5.8#

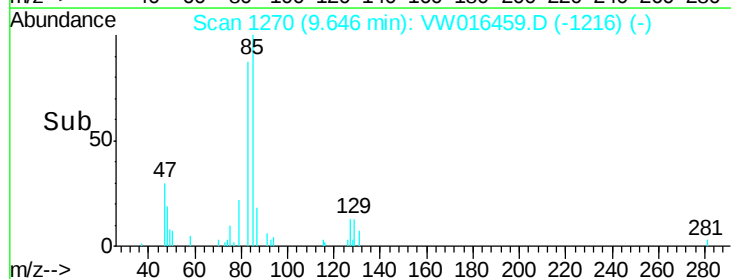
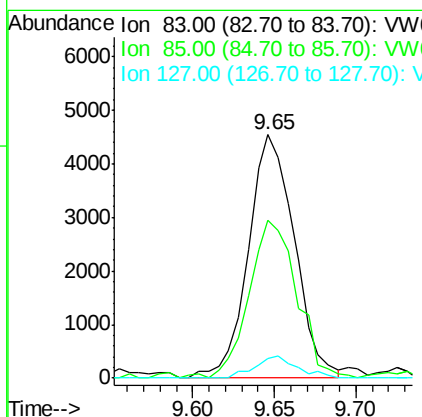
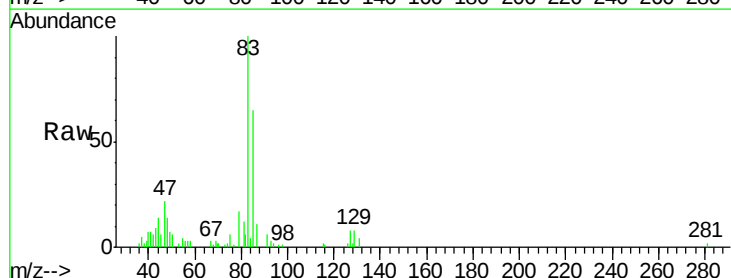
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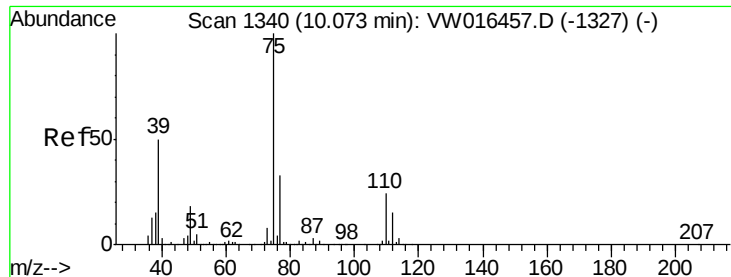
MMDadoda
 9/8/2020 10:12:13 AM



#41
 Bromodichloromethane
 Concen: 0.700 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016459.D
 Acq: 04 Sep 2020 12:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	43.5	80.7
127	8.0	6.7	10.1





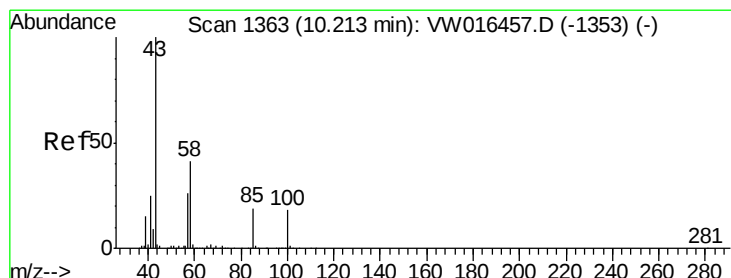
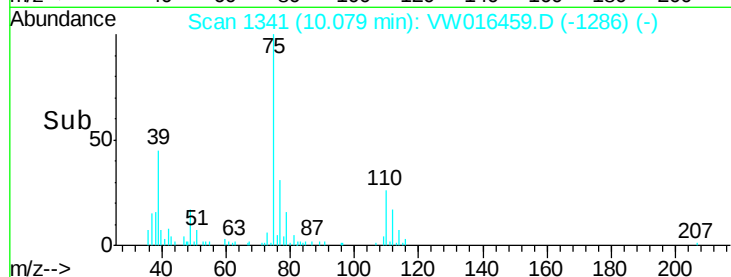
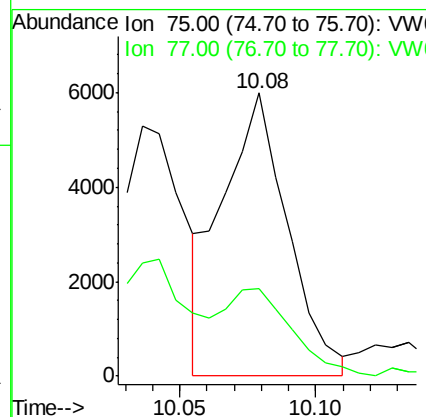
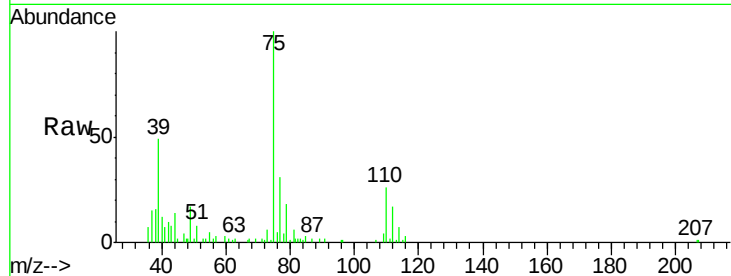
#42
 cis-1,3-Dichloropropene
 Concen: 0.643 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VW016459.D
 Acq: 04 Sep 2020 12:08

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Tot Ion: 75 Resp: 9930
 Ion Ratio Lower Upper
 75 100
 77 30.9 20.9 38.7

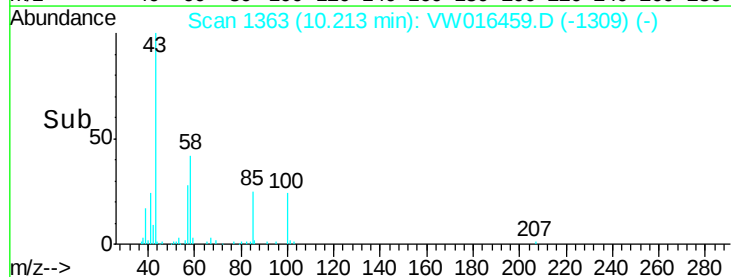
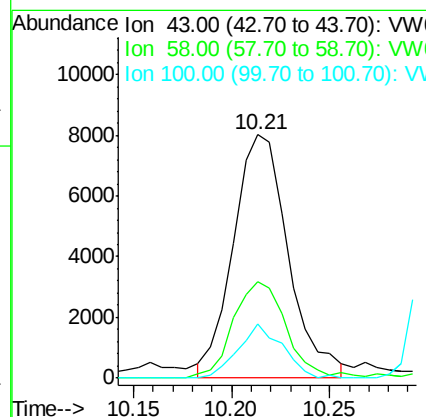
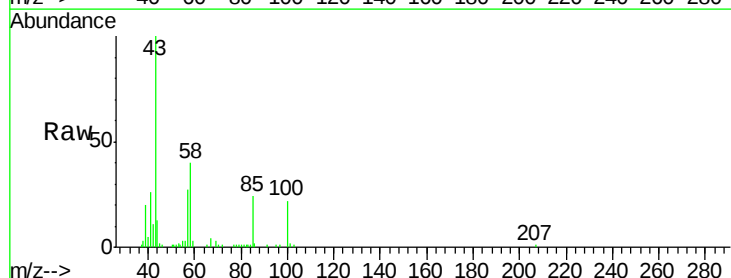
Manual Integrations
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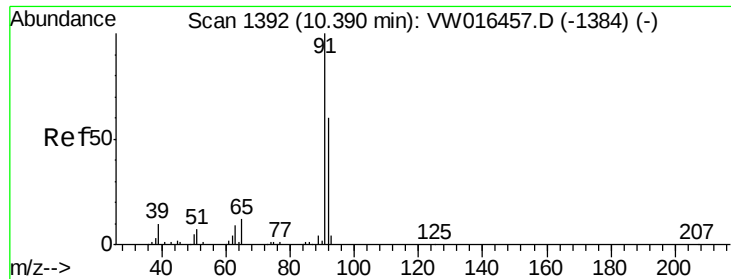
MMDadoda
 9/8/2020 10:12:13 AM



#43
 4-Methyl-2-pentanone
 Concen: 2.433 ug/L m
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016459.D
 Acq: 04 Sep 2020 12:08

Tgt Ion: 43 Resp: 15679
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.6 45.8
 100 17.7 13.0 19.6





#44

Toluene

Concen: 0.718 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016459.D

Acq: 04 Sep 2020 12:08

Instrument :

MSVOA_W

ClientSampled :

MDL01

Tot Ion: 91 Resp: 29560

Ion Ratio Lower Upper

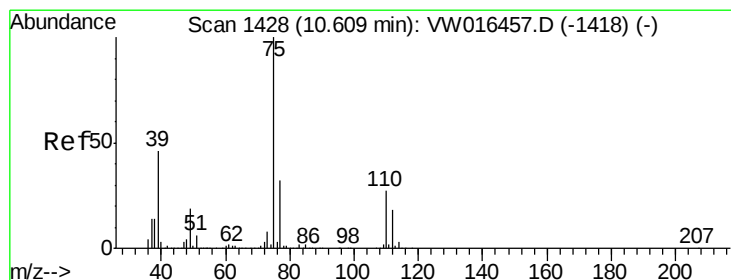
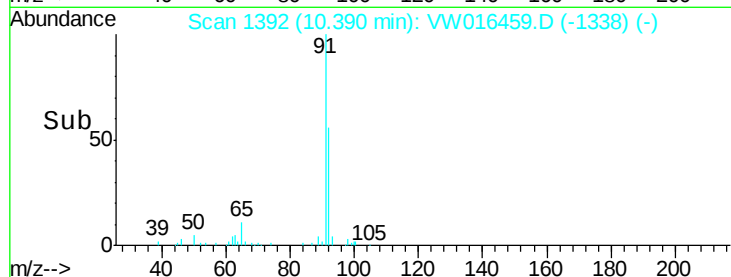
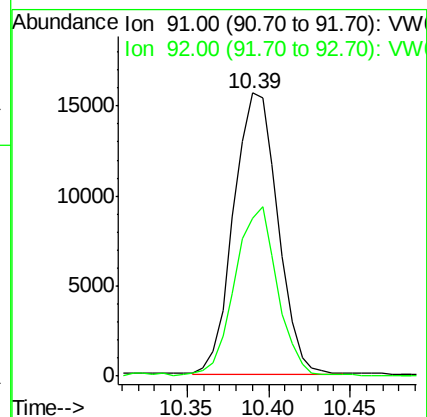
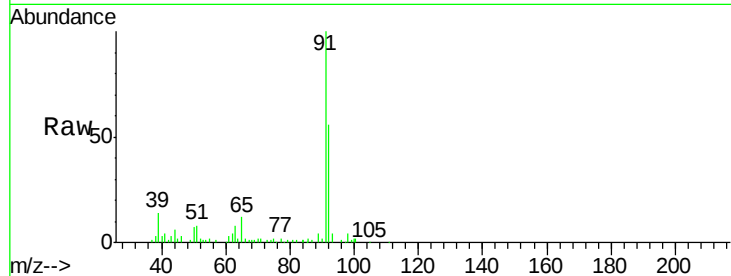
91 100

92 55.9 39.5 73.4

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MMDadoda

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#45

trans-1,3-Dichloropropene

Concen: 0.645 ug/L m

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016459.D

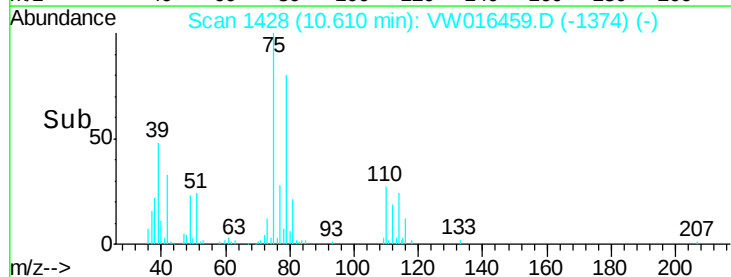
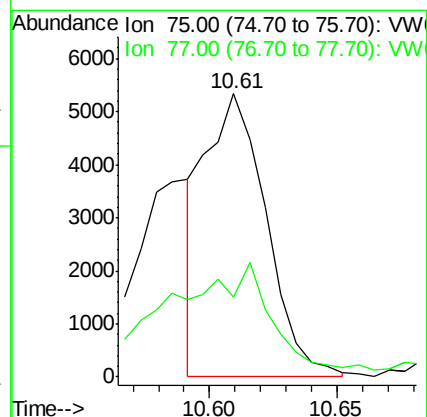
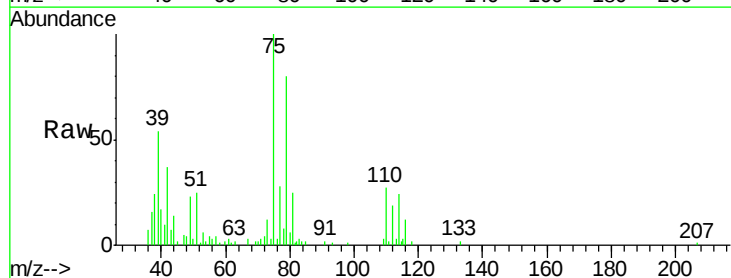
Acq: 04 Sep 2020 12:08

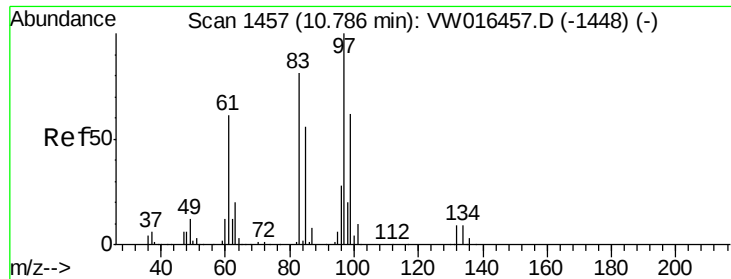
Tgt Ion: 75 Resp: 8910

Ion Ratio Lower Upper

75 100

77 28.4 21.9 40.7





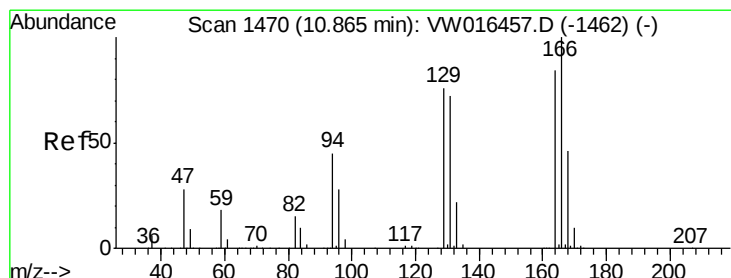
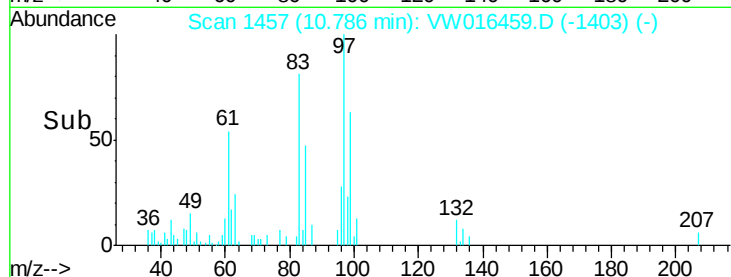
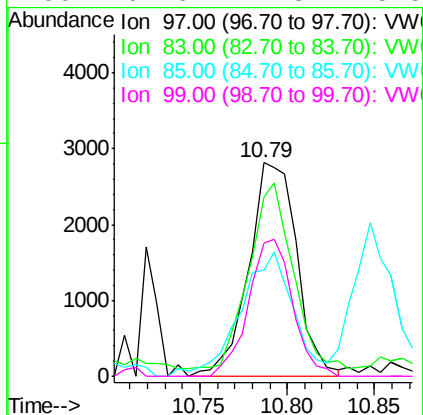
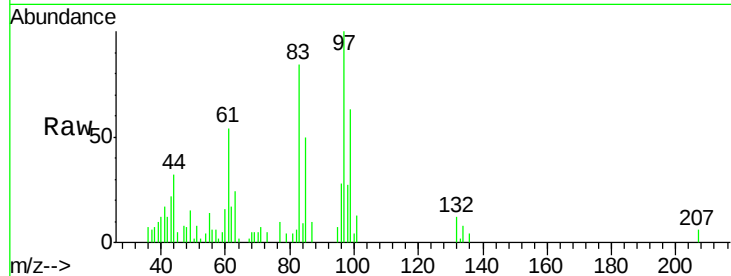
#46
1,1,2-Trichloroethane
Concen: 0.744 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW016459.D
Acq: 04 Sep 2020 12:08

Instrument :
MSVOA_W
ClientSampled :
MDL01

Tot Ion:	97	Resp:	5366
Ion	Ratio	Lower	Upper
97	100		
83	84.2	59.7	110.9
85	49.5	37.6	69.8
99	62.6	42.3	78.5

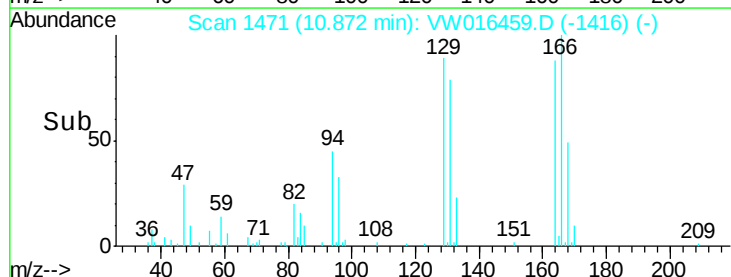
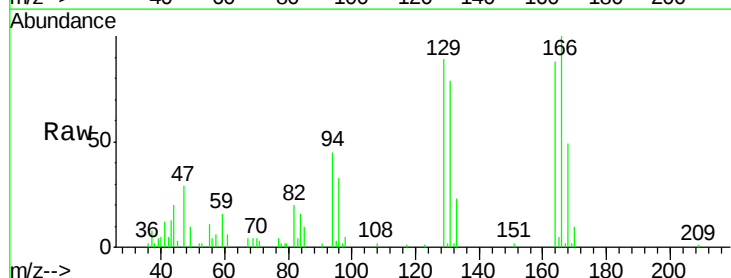
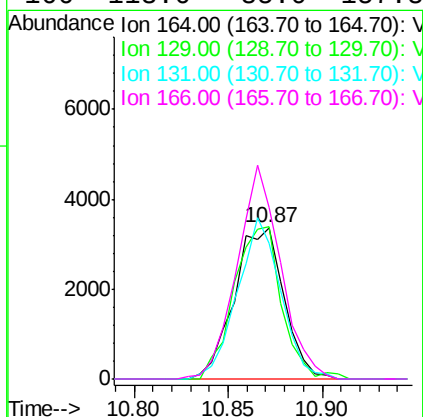
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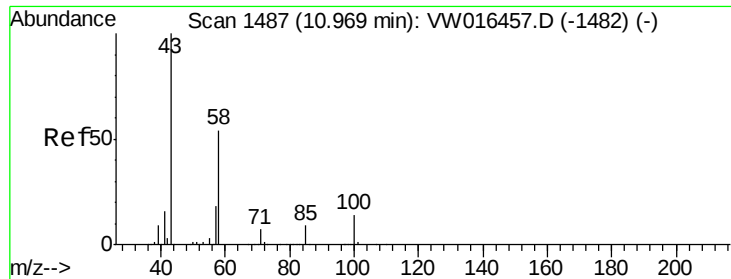
MMDadoda
9/8/2020 10:12:13 AM



#47
Tetrachloroethene
Concen: 0.753 ug/L
RT: 10.87 min Scan# 1471
Delta R.T. 0.01 min
Lab File: VW016459.D
Acq: 04 Sep 2020 12:08

Tgt Ion:	164	Resp:	6155
Ion	Ratio	Lower	Upper
164	100		
129	100.9	65.7	121.9
131	89.7	61.1	113.5
166	113.6	85.0	157.8





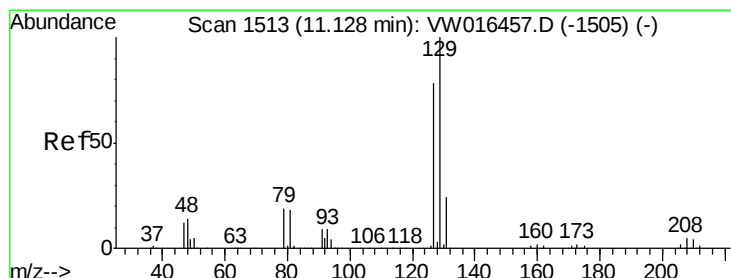
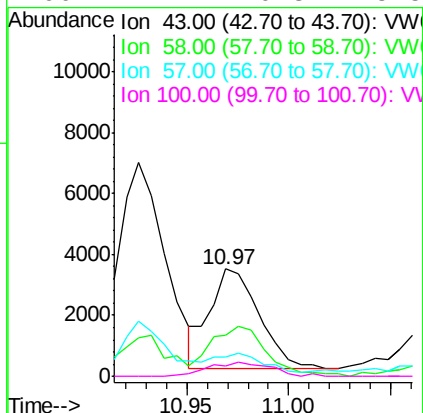
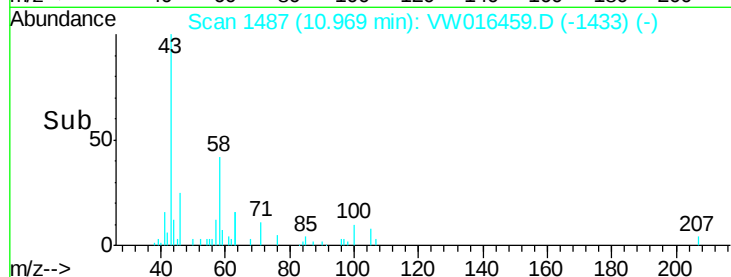
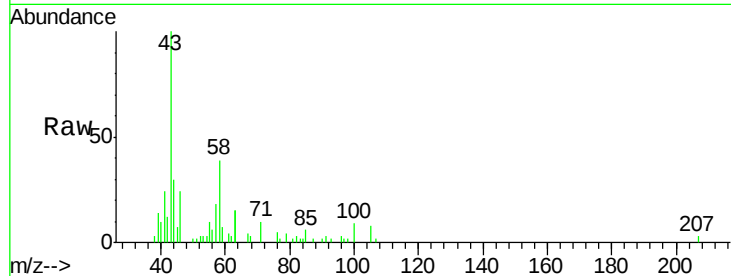
#49
2-Hexanone
Concen: 1.240 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016459.D
Acq: 04 Sep 2020 12:08

Instrument :
MSVOA_W
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.1	42.1	63.1
57	19.5	14.9	22.3
100	17.1	10.3	15.5

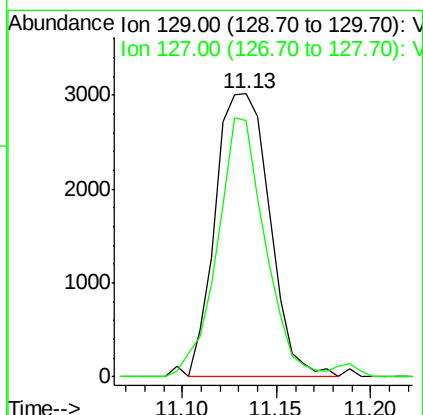
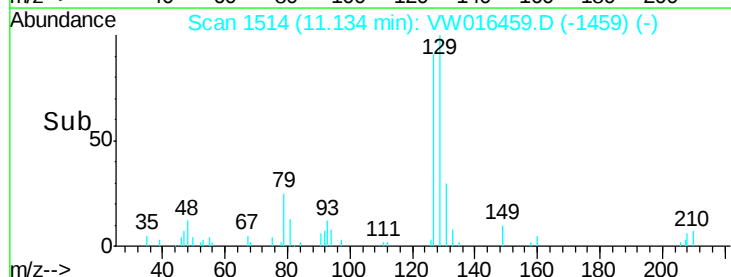
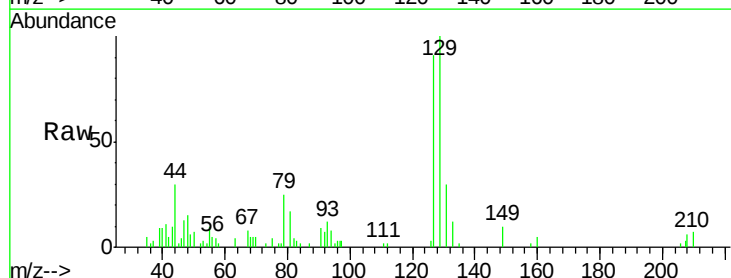
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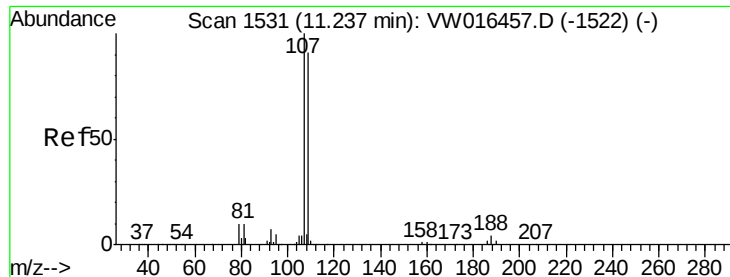
MMDadoda
9/8/2020 10:12:13 AM



#50
Dibromochloromethane
Concen: 0.659 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW016459.D
Acq: 04 Sep 2020 12:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	90.6	55.4	103.0





#51

1,2-Dibromoethane

Concen: 0.686 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW016459.D

Acq: 04 Sep 2020 12:08

Instrument :

MSVOA_W

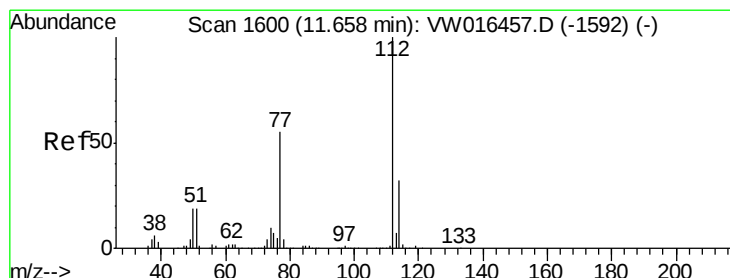
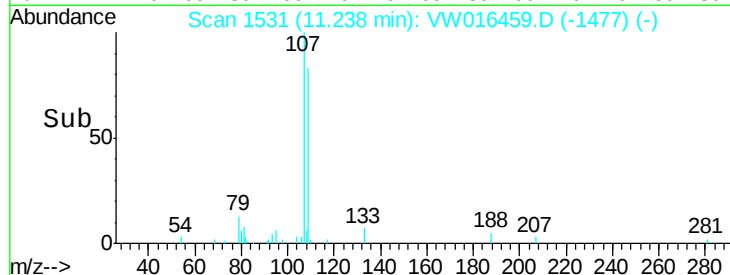
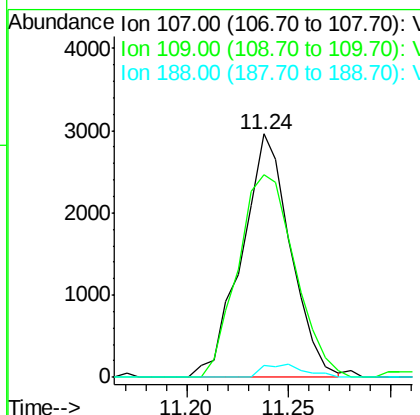
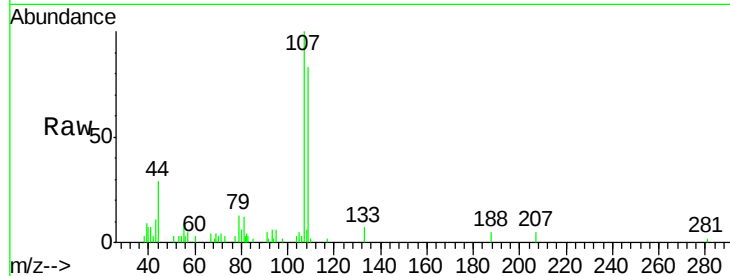
ClientSampleId :

MDL01

Tot Ion:	107	Resp:	4945
Ion Ratio	Lower	Upper	
107	100		
109	83.5	64.8	120.4
188	4.9	3.4	5.0

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MMDadoda
9/8/2020 10:12:13 AM



#52

Chlorobenzene

Concen: 0.712 ug/L

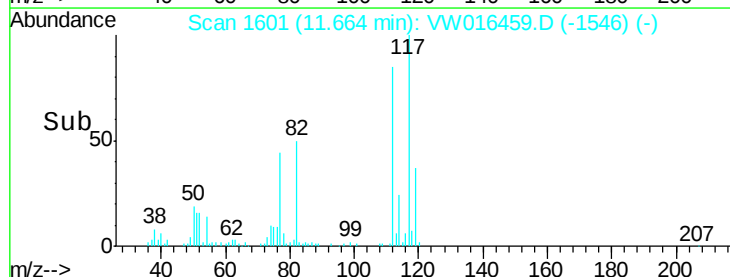
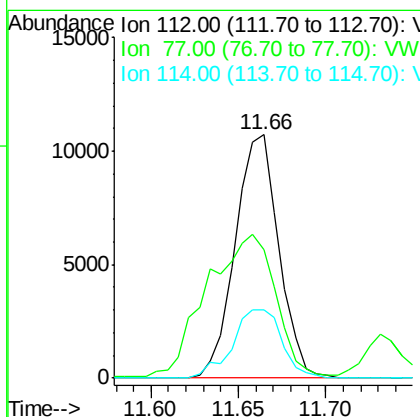
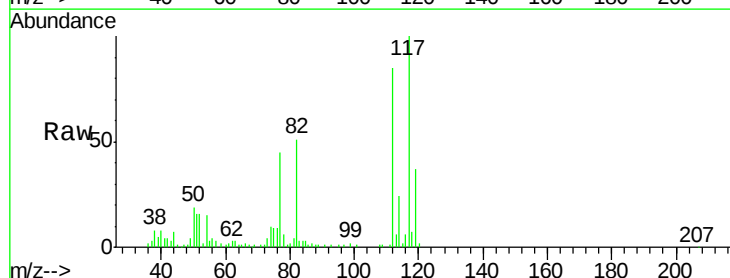
RT: 11.66 min Scan# 1601

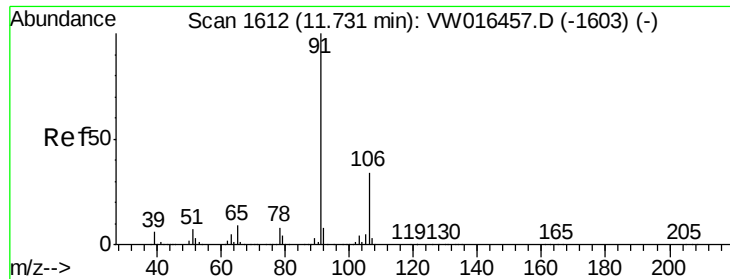
Delta R.T. 0.01 min

Lab File: VW016459.D

Acq: 04 Sep 2020 12:08

Tgt Ion:	112	Resp:	18606
Ion Ratio	Lower	Upper	
112	100		
77	53.0	46.2	69.2
114	28.0	21.1	39.3





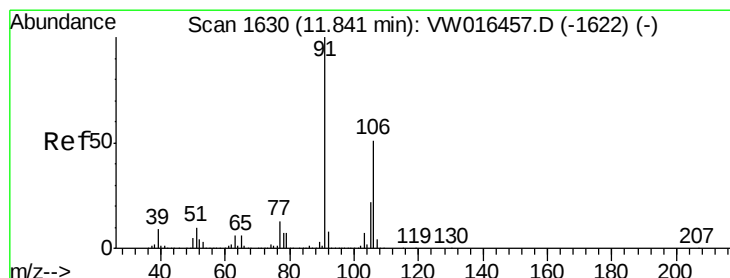
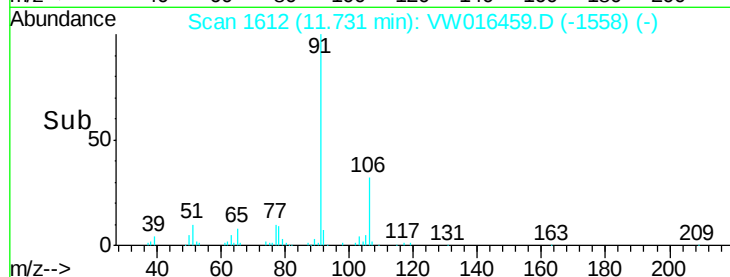
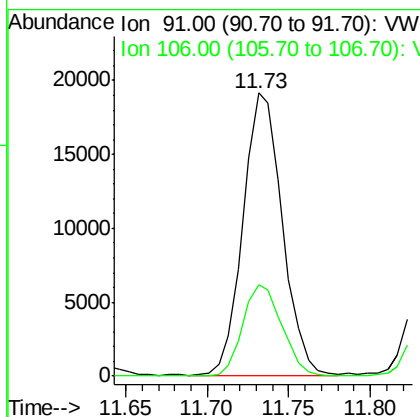
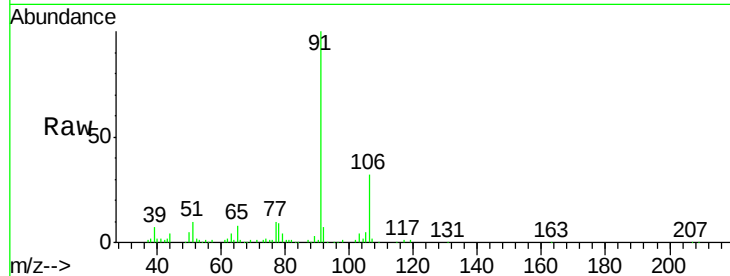
#53
Ethylbenzene
Concen: 0.692 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016459.D
Acq: 04 Sep 2020 12:08

Instrument :
MSVOA_W
ClientSampleId :
MDL01

Tot Ion: 91 Resp: 32103
Ion Ratio Lower Upper
91 100
106 32.2 21.6 40.2

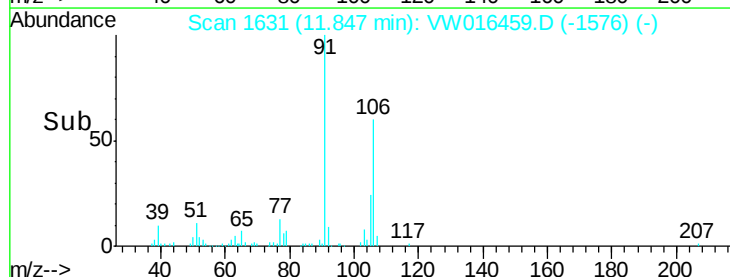
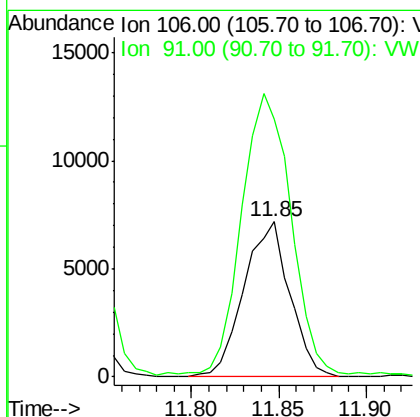
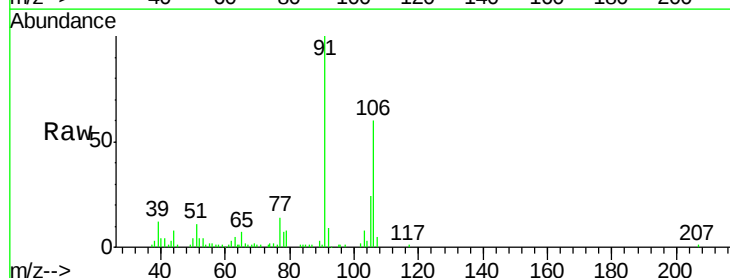
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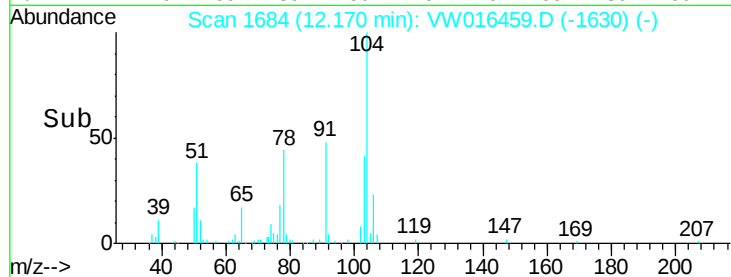
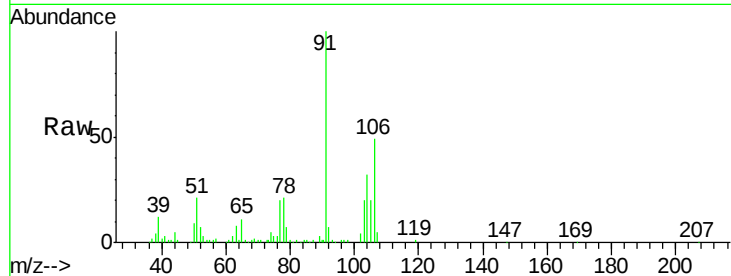
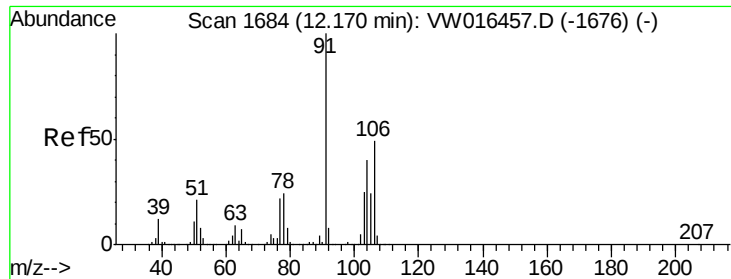
MMDadoda
9/8/2020 10:12:13 AM



#54
m,p-Xylene
Concen: 0.745 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW016459.D
Acq: 04 Sep 2020 12:08

Tgt Ion: 106 Resp: 13203
Ion Ratio Lower Upper
106 100
91 166.6 142.3 264.3





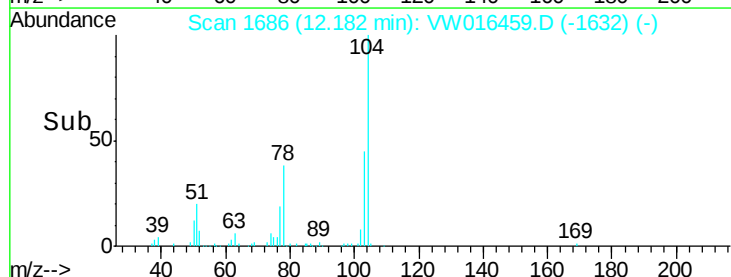
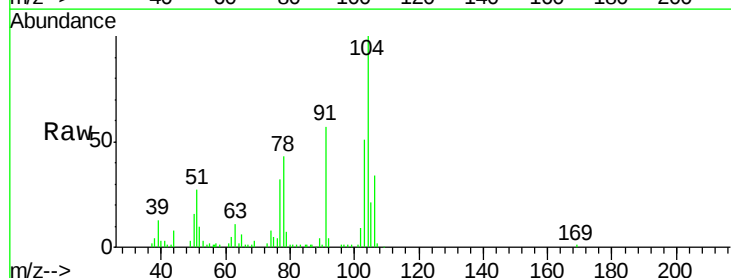
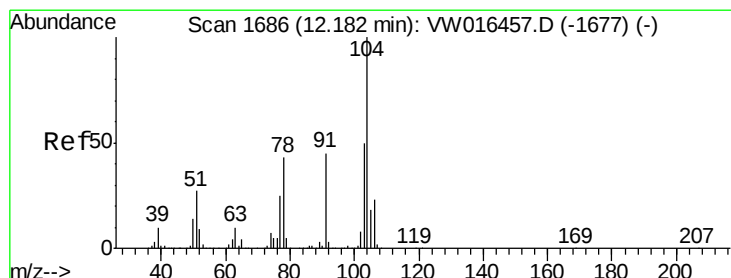
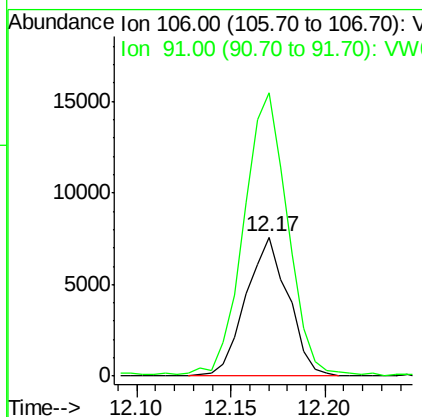
#55
o-xylene
Concen: 0.703 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016459.D
Acq: 04 Sep 2020 12:08

Tot Ion:106 Resp: 11878
Ion Ratio Lower Upper
106 100
91 203.7 144.3 267.9

Instrument :
MSVOA_W
ClientSampled :
MDL01

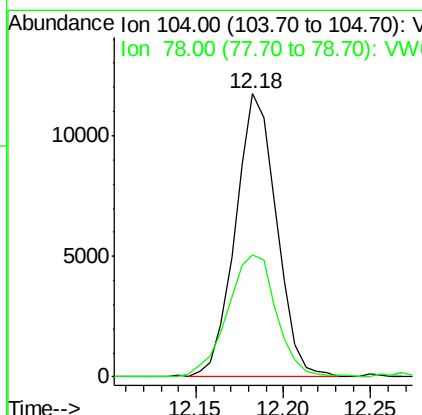
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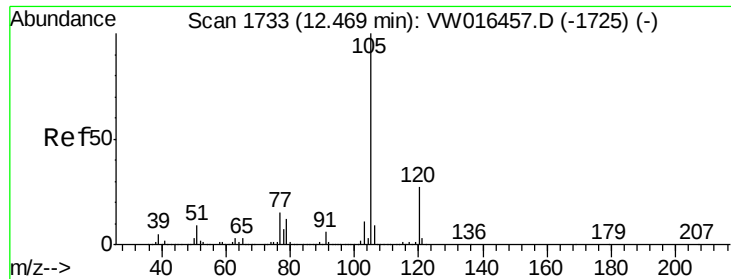
MMDadoda
9/8/2020 10:12:13 AM



#56
Styrene
Concen: 0.663 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016459.D
Acq: 04 Sep 2020 12:08

Tgt Ion:104 Resp: 19233
Ion Ratio Lower Upper
104 100
78 43.3 32.8 61.0





#57

Isopropylbenzene

Concen: 0.735 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016459.D

Acq: 04 Sep 2020 12:08

Instrument :

MSVOA_W

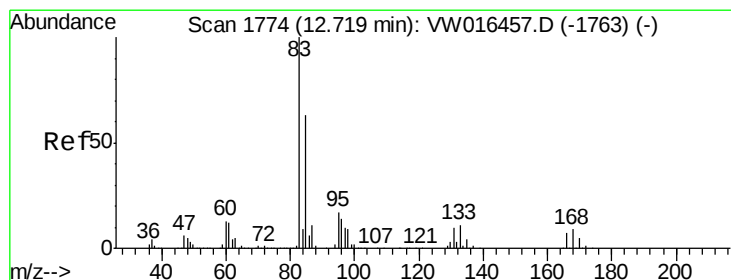
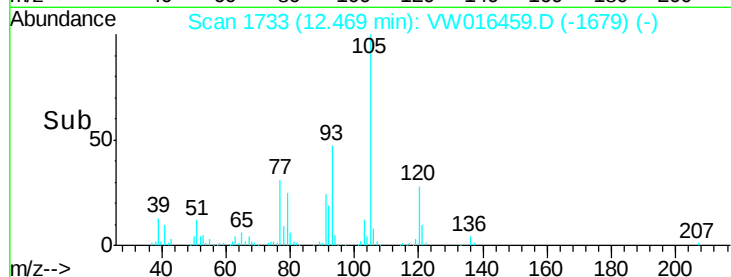
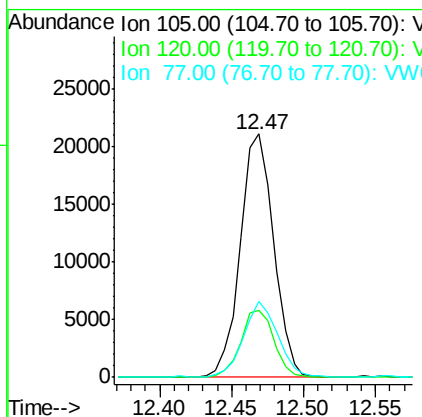
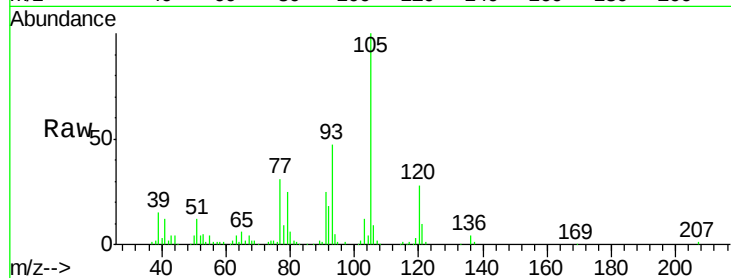
ClientSampled :

MDL01

Tot Ion:	105	Resp:	34004
Ion Ratio	Lower	Upper	
105	100		
120	27.1	21.9	32.9
77	32.0	13.0	19.6#

Manual Integrations
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MMDadoda
9/8/2020 10:12:13 AM



#58

1,1,2,2-Tetrachloroethane

Concen: 0.855 ug/L

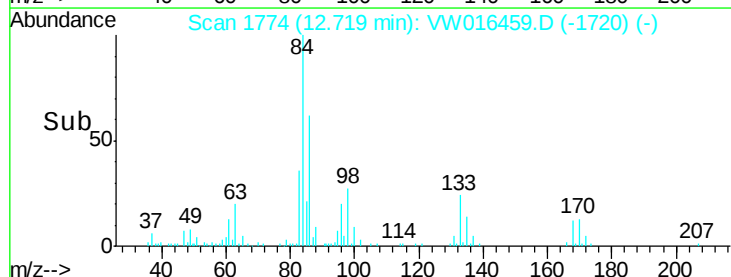
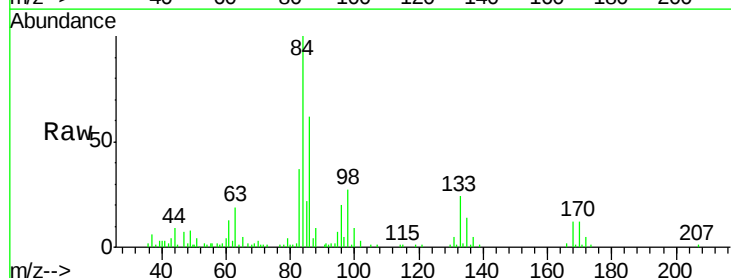
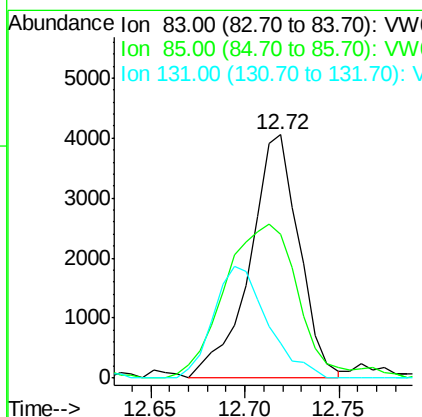
RT: 12.72 min Scan# 1774

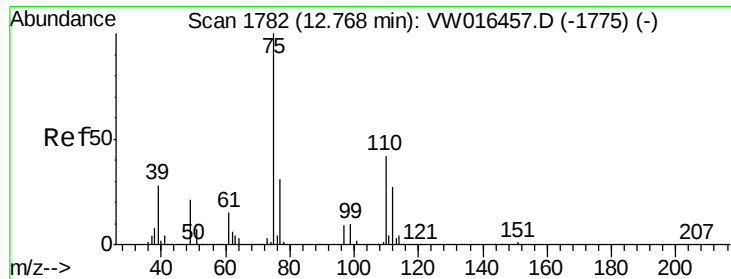
Delta R.T. 0.00 min

Lab File: VW016459.D

Acq: 04 Sep 2020 12:08

Tgt Ion:	83	Resp:	7348
Ion Ratio	Lower	Upper	
83	100		
85	58.9	45.3	84.1
131	14.4	8.7	13.1#





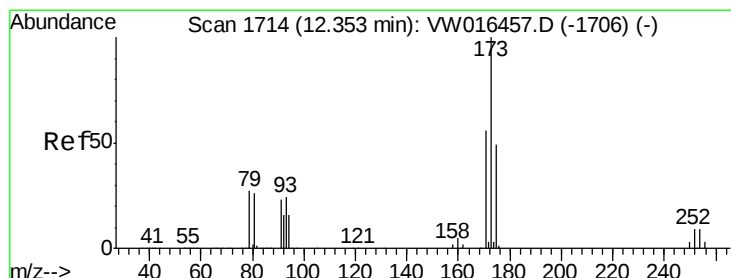
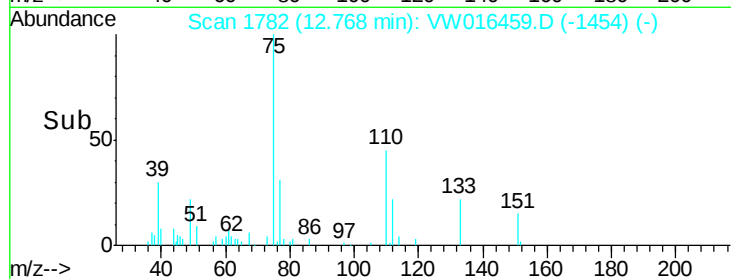
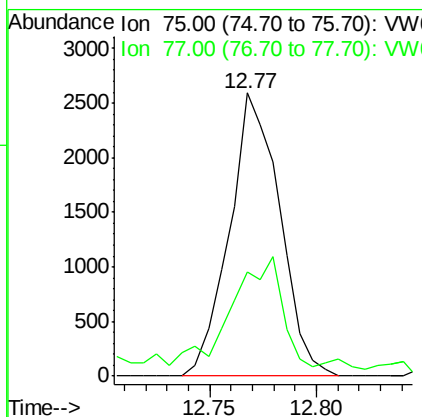
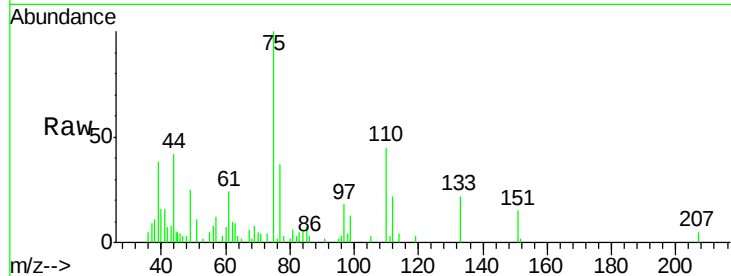
#59
 1,2,3-Trichloropropane
 Concen: 0.661 ug/L m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW016459.D
 Acq: 04 Sep 2020 12:08

Instrument :
 MSVOA_W
 ClientSampled :
 MDL01

Tot Ion: 75 Resp: 4247
 Ion Ratio Lower Upper
 75 100
 77 346.8 26.0 39.0#

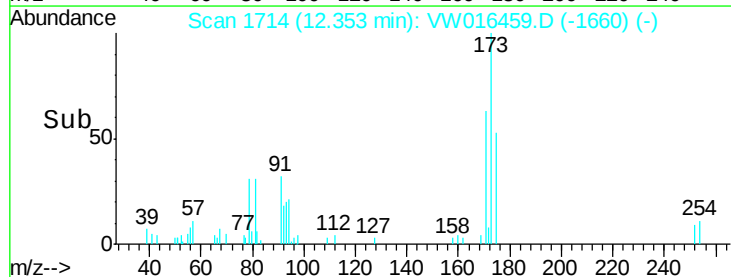
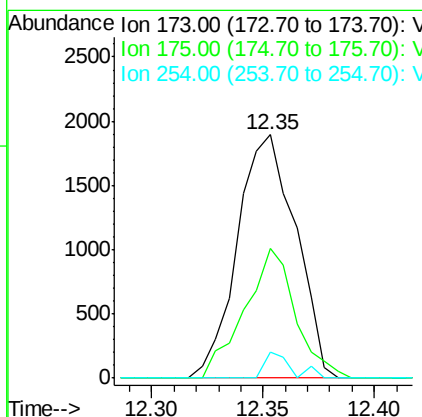
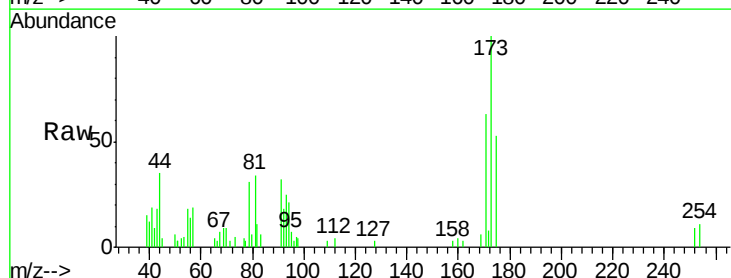
Manual Integrations
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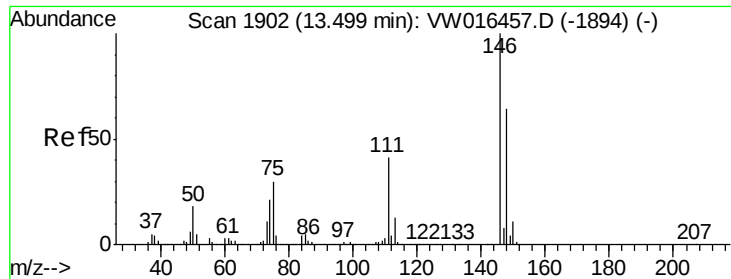
MMDadoda
 9/8/2020 10:12:13 AM



#62
 Bromoform
 Concen: 0.668 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW016459.D
 Acq: 04 Sep 2020 12:08

Tgt Ion: 173 Resp: 3459
 Ion Ratio Lower Upper
 173 100
 175 46.5 39.2 58.8
 254 3.8 5.8 8.6#





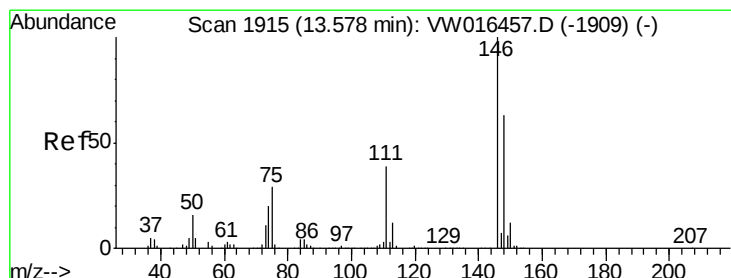
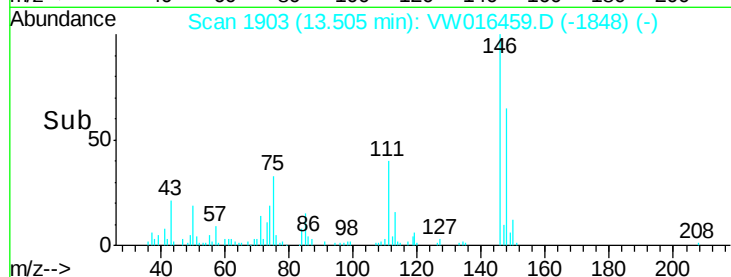
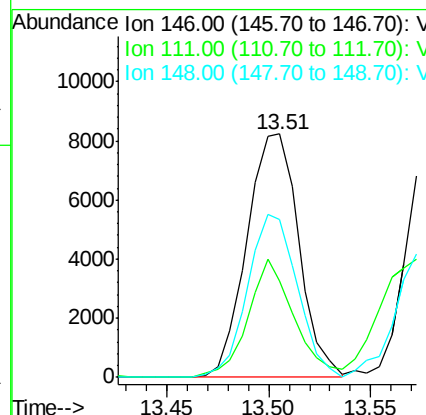
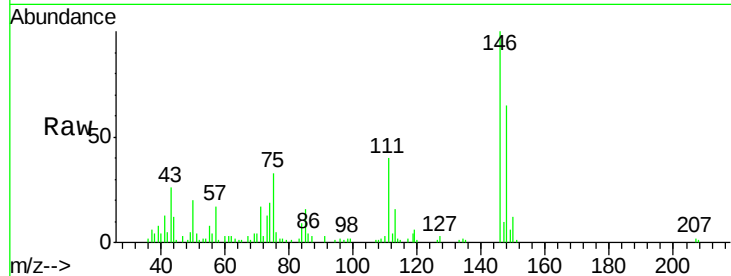
#63
 1,3-Dichlorobenzene
 Concen: 0.750 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW016459.D
 Acq: 04 Sep 2020 12:08

Instrument :
 MSVOA_W
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	26.5	49.3
148	64.8	41.3	76.7

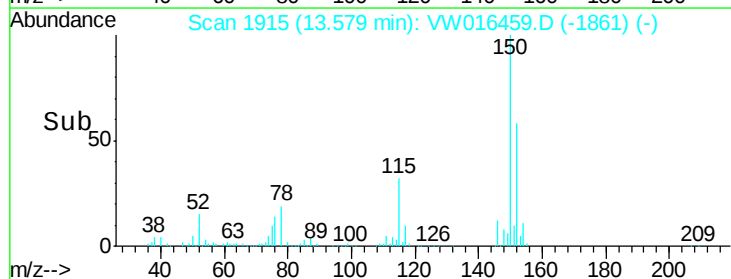
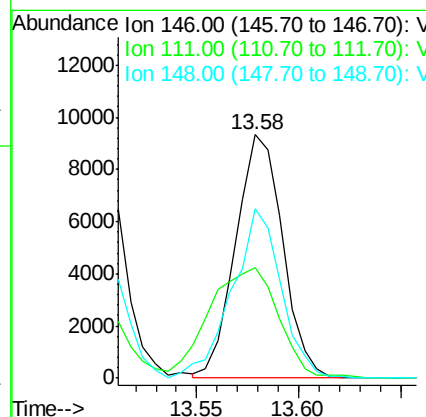
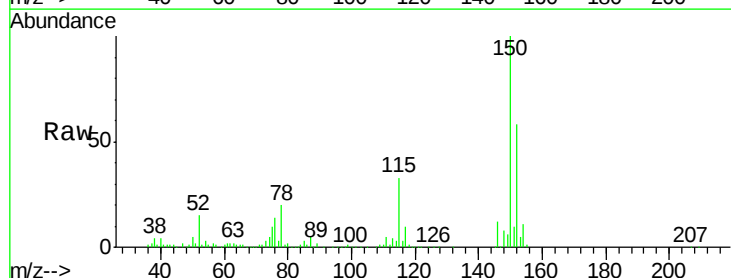
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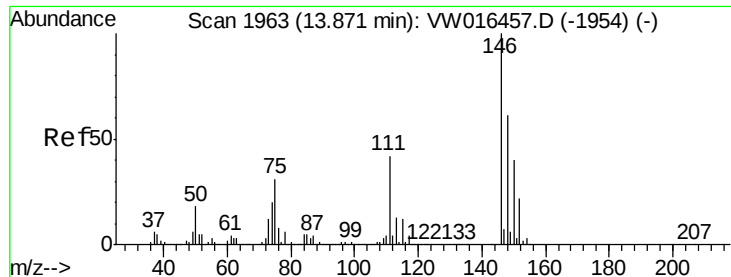
MMDadoda
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#64
 1,4-Dichlorobenzene
 Concen: 0.776 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016459.D
 Acq: 04 Sep 2020 12:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.4	26.4	49.0
148	69.7	45.1	83.9





#65

1,2-Dichlorobenzene

Concen: 0.738 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016459.D

Acq: 04 Sep 2020 12:08

Instrument :

MSVOA_W

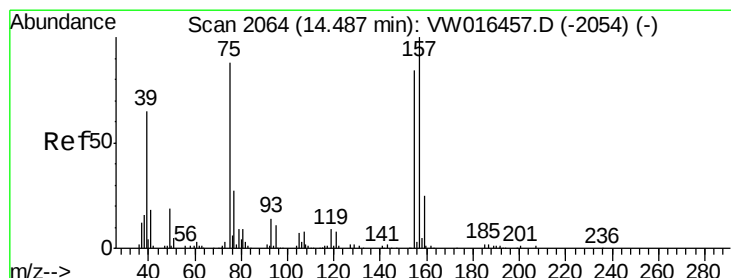
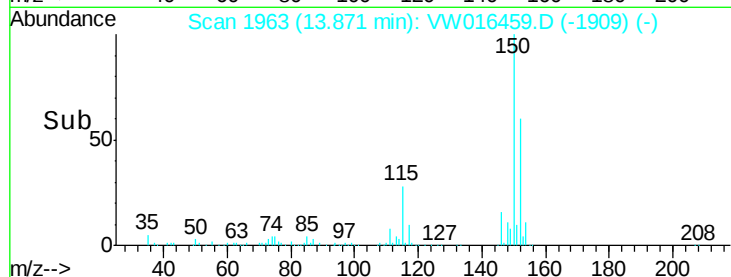
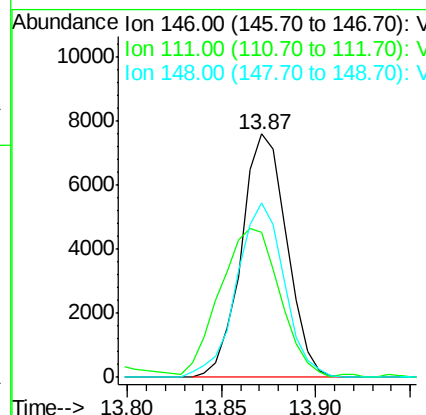
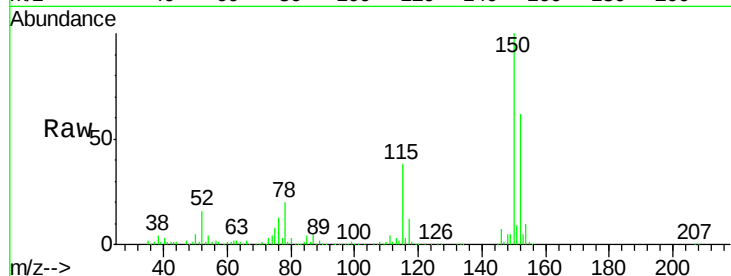
ClientSampled :

MDL01

Tot Ion:	146	Resp:	12733
Ion Ratio	Lower	Upper	
146	100		
111	59.4	35.3	52.9#
148	71.5	49.8	74.8

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#66

1,2-Dibromo-3-chloropropane

Concen: 0.552 ug/L m

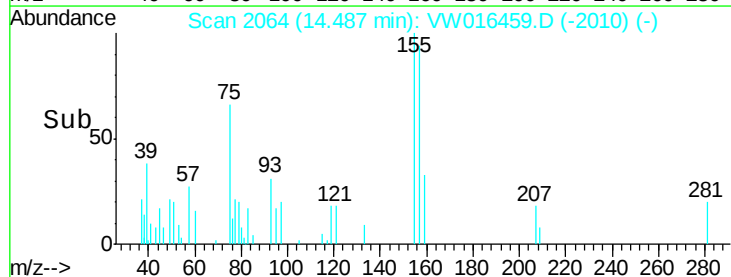
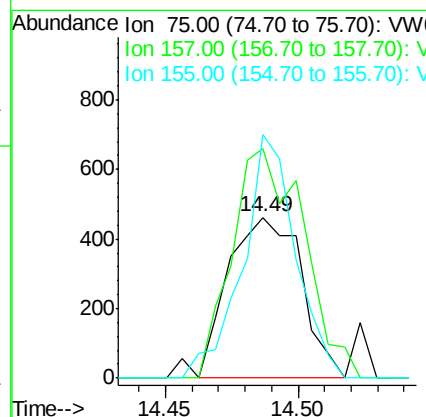
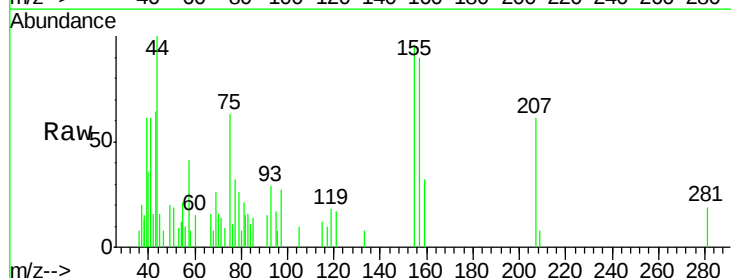
RT: 14.49 min Scan# 2064

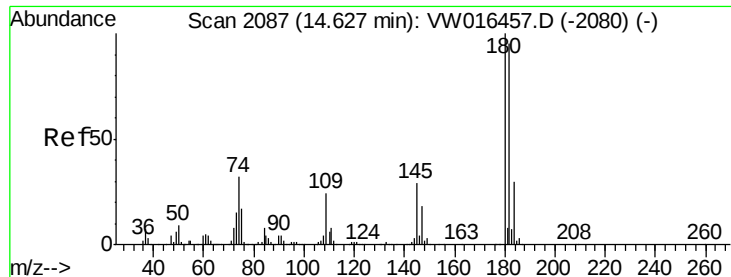
Delta R.T. 0.00 min

Lab File: VW016459.D

Acq: 04 Sep 2020 12:08

Tgt Ion:	75	Resp:	888
Ion Ratio	Lower	Upper	
75	100		
157	142.8	91.4	137.0#
155	151.2	71.3	106.9#





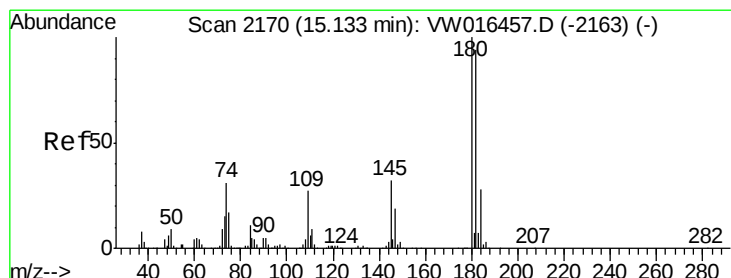
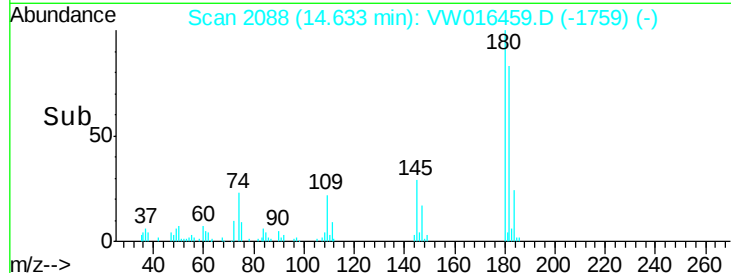
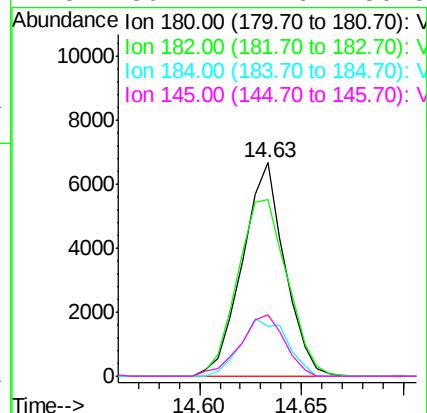
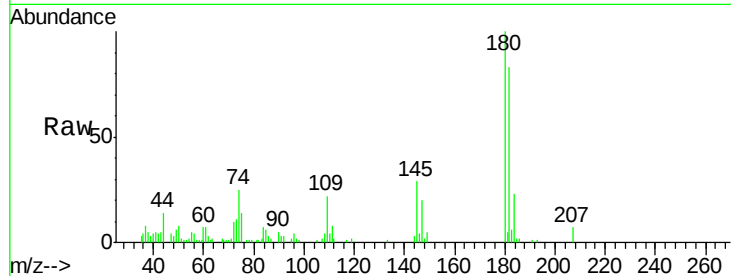
#67
 1,3,5-Trichlorobenzene
 Concen: 0.721 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016459.D
 Acq: 04 Sep 2020 12:08

Instrument :
 MSVOA_W
 ClientSampled :
 MDL01

Tot Ion:	180	Resp:	9647
Ion	Ratio	Lower	Upper
180	100		
182	97.2	75.8	113.8
184	29.2	24.2	36.2
145	30.2	24.6	36.8

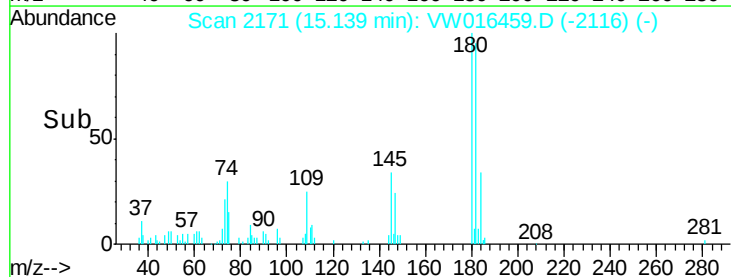
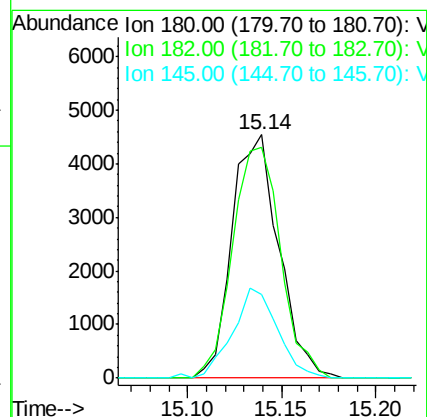
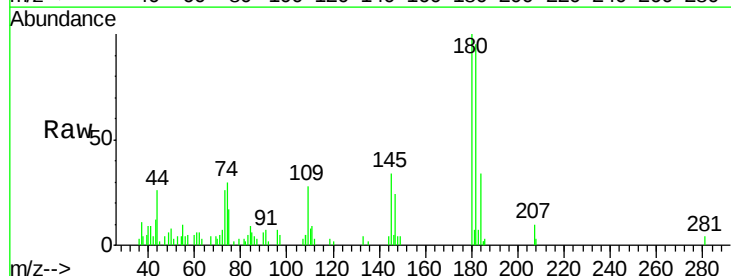
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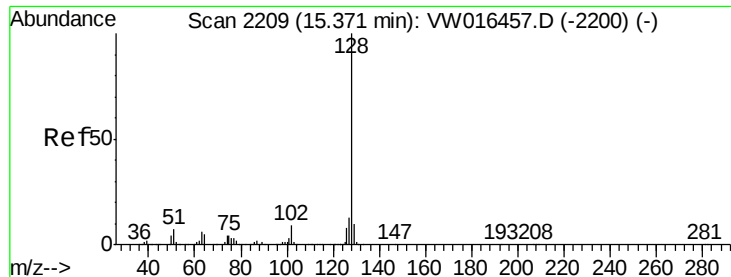
MMDadoda
 9/8/2020 10:12:13 AM



#68
 1,2,4-trichlorobenzene
 Concen: 0.678 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW016459.D
 Acq: 04 Sep 2020 12:08

Tgt Ion:	180	Resp:	7855
Ion	Ratio	Lower	Upper
180	100		
182	97.1	78.5	117.7
145	35.2	25.6	38.4





#69

Naphthalene

Concen: 0.670 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016459.D

Acq: 04 Sep 2020 12:08

Instrument :

MSVOA_W

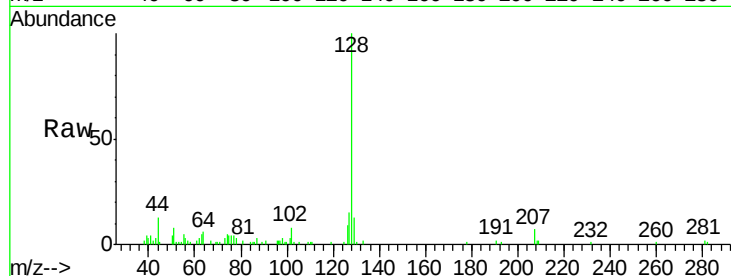
ClientSampled :

MDL01

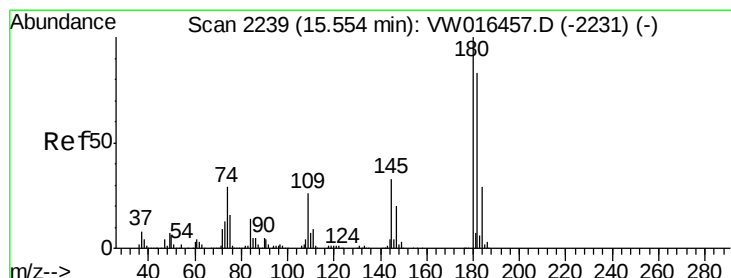
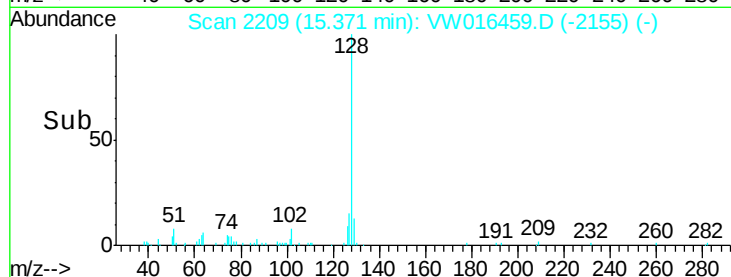
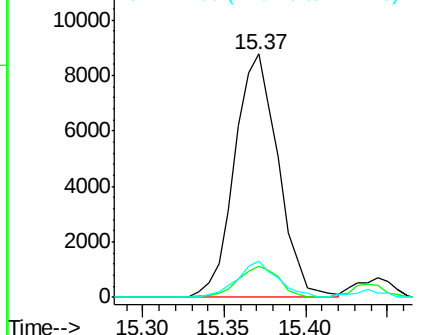
Tot Ion:	128	Resp:	16374
Ion Ratio	Lower	Upper	
128	100		
129	12.0	8.7	13.1
127	13.7	10.5	15.7

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.715 ug/L

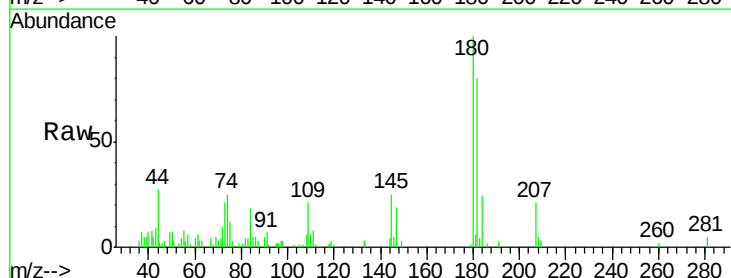
RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016459.D

Acq: 04 Sep 2020 12:08

Tgt Ion:	180	Resp:	7104
Ion Ratio	Lower	Upper	
180	100		
182	93.9	76.1	114.1
145	34.7	28.1	42.1



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

