

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090420\
 Data File : VW016464.D
 Acq On : 04 Sep 2020 15:12
 Operator : SY/VA
 Sample : MDL06
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 10:14:54 AM

Quant Time: Sep 08 01:14:54 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	732597	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	653075	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	301293	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	163589	21.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.20%
7) Chloroethane-d5	2.90	69	154151	22.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.36%
10) 1,1-Dichloroethene-d2	4.02	63	275032	15.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.56%
20) 2-Butanone-d5	7.07	46	114130	41.11	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.22%
24) Chloroform-d	7.65	84	371944	21.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.68%
26) 1,2-Dichloroethane-d4	8.31	65	205037	21.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.40%
29) Benzene-d6	8.27	84	741269	22.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.32%
33) 1,2-Dichloropropane-d6	9.27	67	212660	21.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.20%
37) Toluene-d8	10.32	98	715259	22.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.68%
38) trans-1,3-Dichloropropene-	10.58	79	104608	21.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.04%
39) 2-Hexanone-d5	10.93	63	90497	45.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	185802	22.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	242620	23.30	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	5492	0.670 ug/L	99
3) Chloromethane	2.22	50	4576	0.636 ug/L	99
5) Vinyl chloride	2.37	62	7334	0.800 ug/L #	38
6) Bromomethane	2.79	94	4755	0.694 ug/L	83
8) Chloroethane	2.93	64	4564	0.809 ug/L	89
9) Trichlorofluoromethane	3.28	101	4562	0.608 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	8767m	0.987 ug/L	
12) 1,1-Dichloroethene	4.05	96	8606	0.953 ug/L #	1
13) Acetone	4.12	43	4901m	2.751 ug/L	
14) Carbon disulfide	4.39	76	17965	0.651 ug/L #	94
15) Methyl Acetate	4.69	43	2770m	0.641 ug/L	
16) Methylene chloride	4.92	84	21341	1.867 ug/L	86
17) Methyl tert-butyl Ether	5.43	73	9440	0.697 ug/L #	69
18) trans-1,2-Dichloroethene	5.43	96	6526	0.681 ug/L	88
19) 1,1-Dichloroethane	6.21	63	9659	0.592 ug/L	92
21) 2-Butanone	7.13	43	8637m	2.888 ug/L	
22) cis-1,2-Dichloroethene	7.17	96	6598	0.660 ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090420\
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Manual Integrations
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MMDadoda
 9/8/2020 10:14:54 AM

Quant Time: Sep 08 01:14:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

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

23) Bromochloromethane	7.52	128	3284	0.709	ug/L #	58
25) Chloroform	7.68	83	12780m	0.757	ug/L	
27) 1,2-Dichloroethane	8.40	62	7505	0.667	ug/L	99
30) Cyclohexane	7.95	56	9650	0.619	ug/L #	92
31) 1,1,1-Trichloroethane	7.87	97	9642	0.682	ug/L	98
32) Carbon tetrachloride	8.07	117	9228	0.682	ug/L	97
34) Benzene	8.32	78	23842	0.668	ug/L	100
35) Trichloroethene	9.09	95	7154	0.723	ug/L	94
36) Methylcyclohexane	9.34	83	12469	0.720	ug/L	98
40) 1,2-Dichloropropane	9.37	63	5633	0.638	ug/L	100
41) Bromodichloromethane	9.65	83	8353	0.677	ug/L	88
42) cis-1,3-Dichloropropene	10.08	75	8973	0.599	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	14834	2.373	ug/L	97
44) Toluene	10.39	91	27068	0.677	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	8002	0.598	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	4781	0.683	ug/L	95
47) Tetrachloroethene	10.86	164	5487	0.692	ug/L	90
49) 2-Hexanone	10.98	43	5095	1.170	ug/L #	92
50) Dibromochloromethane	11.13	129	5599	0.633	ug/L	94
51) 1,2-Dibromoethane	11.24	107	4500	0.644	ug/L #	84
52) Chlorobenzene	11.66	112	16513	0.651	ug/L	91
53) Ethylbenzene	11.73	91	29350	0.652	ug/L	97
54) m,p-Xylene	11.84	106	12008	0.698	ug/L	84
55) o-xylene	12.17	106	10666	0.651	ug/L	95
56) Styrene	12.18	104	17799	0.632	ug/L	99
57) Isopropylbenzene	12.47	105	32070	0.715	ug/L #	85
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	6896	0.827	ug/L #	92
59) 1,2,3-Trichloropropane	12.77	75	4282	0.687	ug/L	98
62) Bromoform	12.35	173	3141	0.621	ug/L #	97
63) 1,3-Dichlorobenzene	13.50	146	13263	0.699	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	13169	0.700	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	11863	0.704	ug/L #	86
66) 1,2-Dibromo-3-chloropropan	14.49	75	1164	0.741	ug/L	87
67) 1,3,5-Trichlorobenzene	14.63	180	8646	0.661	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	7036	0.622	ug/L	92
69) Naphthalene	15.37	128	12695	0.532	ug/L #	92
70) 1,2,3-Trichlorobenzene	15.56	180	5713	0.588	ug/L	96

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

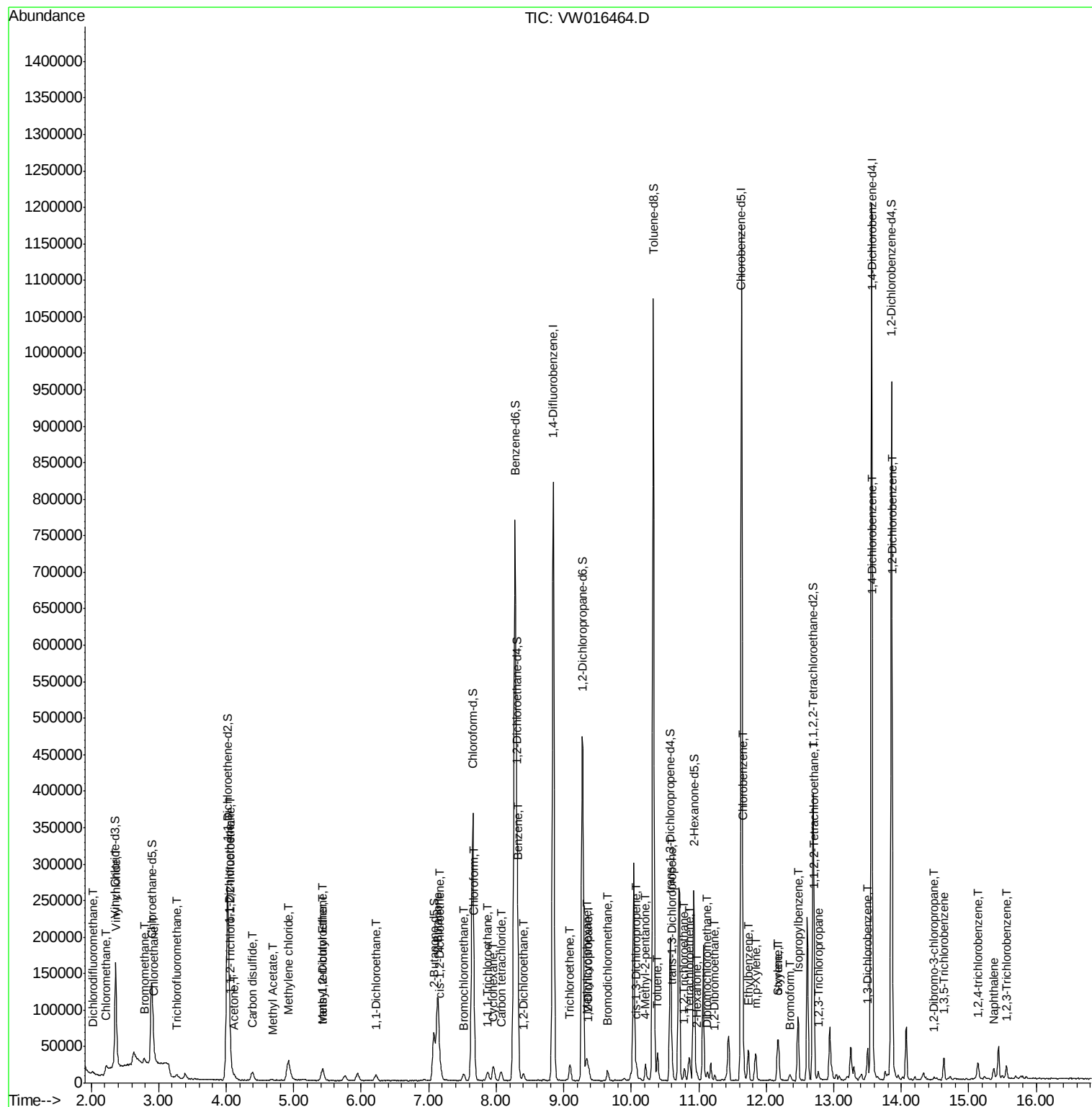
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090420\
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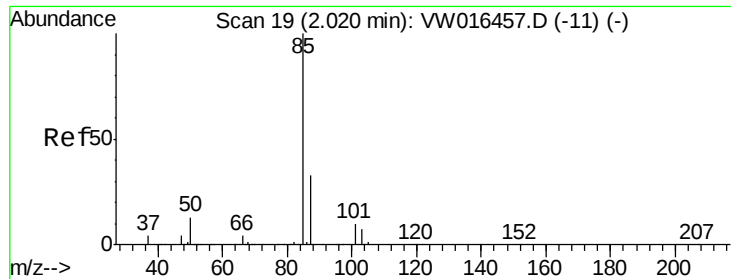
Instrument :
MSVOA_W
ClientSampled :
MDL06

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#2

Dichlorodifluoromethane

Concen: 0.670 ug/L

RT: 2.03 min Scan# 20

Delta R.T. 0.01 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

ClientSampled :

MDL06

Tot Ion: 85 Resp: 5492

Ion Ratio Lower Upper

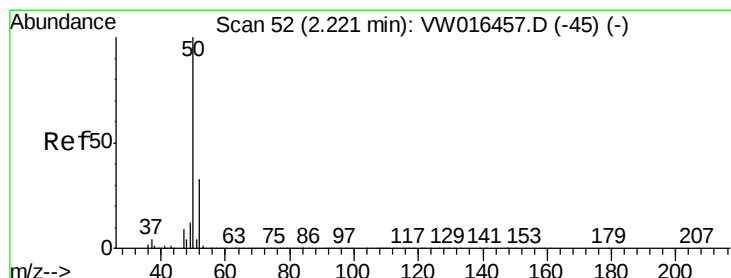
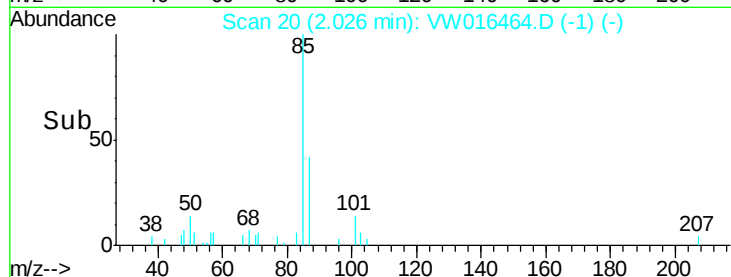
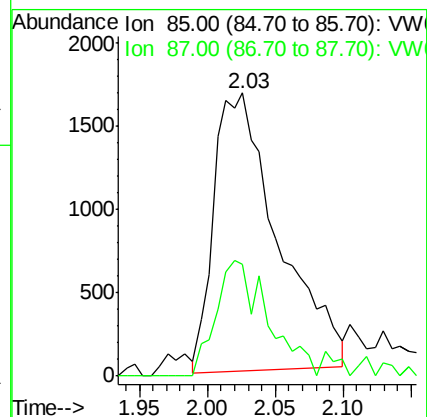
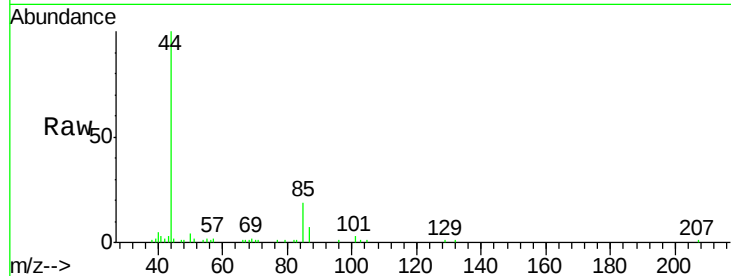
85 100

87 31.4 22.3 41.5

Manual Integrations
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#3

Chloromethane

Concen: 0.636 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW016464.D

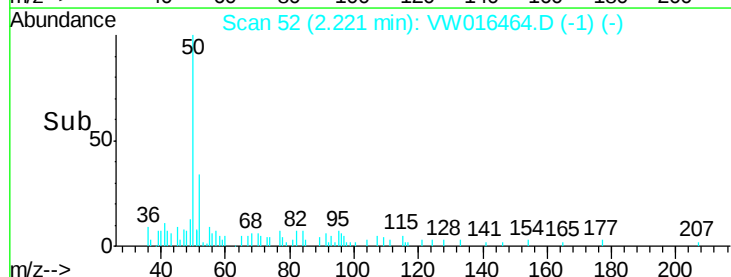
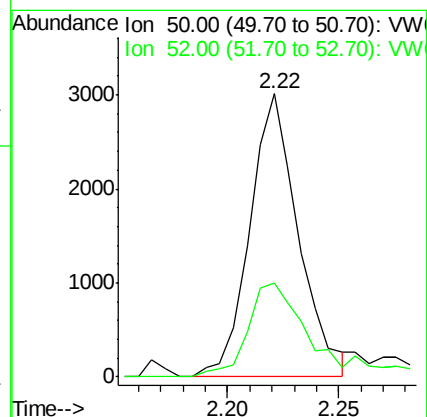
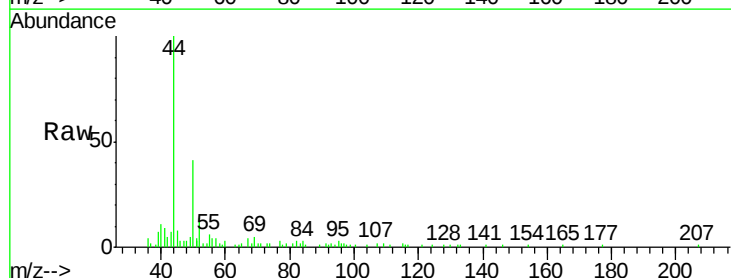
Acq: 04 Sep 2020 15:12

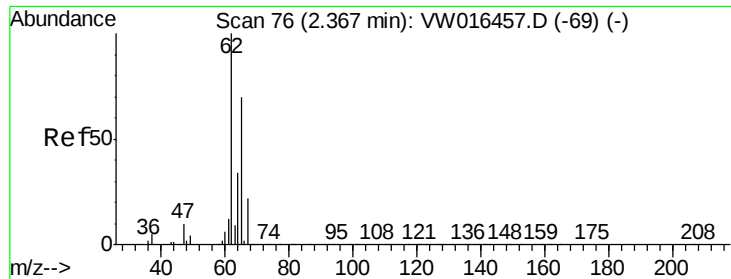
Tgt Ion: 50 Resp: 4576

Ion Ratio Lower Upper

50 100

52 33.2 23.0 42.6





#5

Vinyl chloride

Concen: 0.800 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

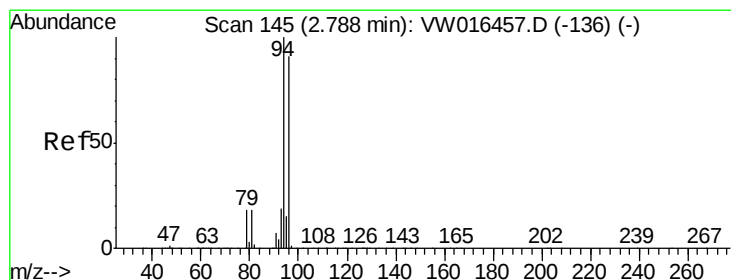
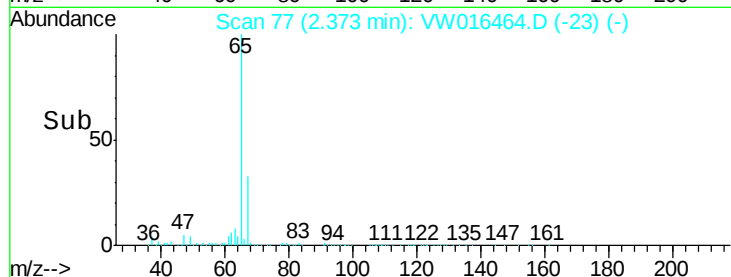
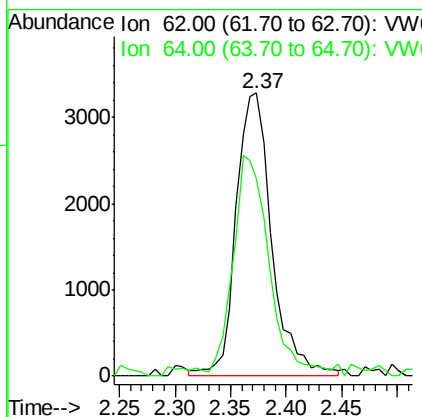
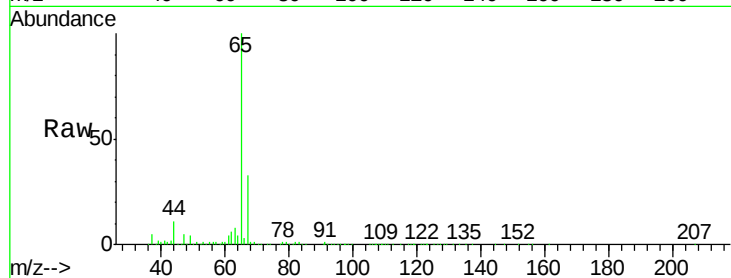
ClientSampled :

MDL06

Tot Ion	Ratio	Lower	Upper
62	100		
64	69.8	23.9	44.5#

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#6

Bromomethane

Concen: 0.694 ug/L

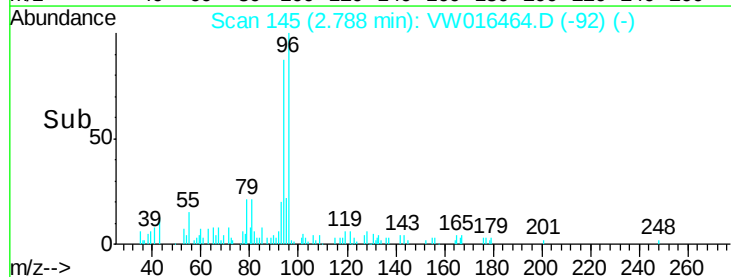
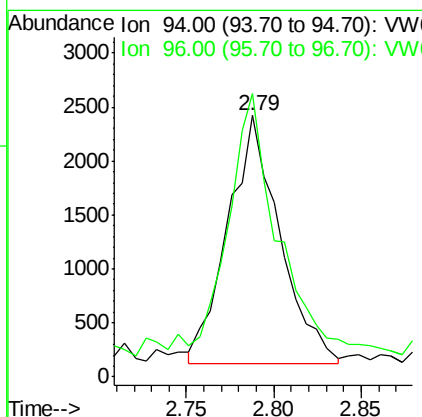
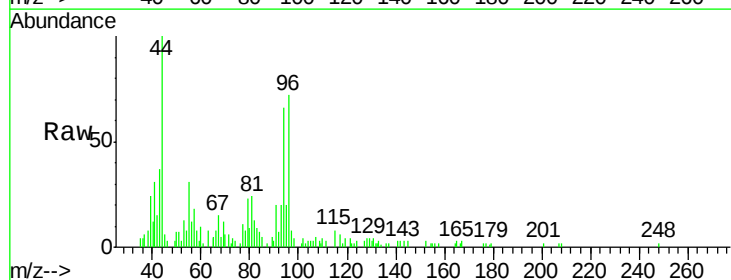
RT: 2.79 min Scan# 145

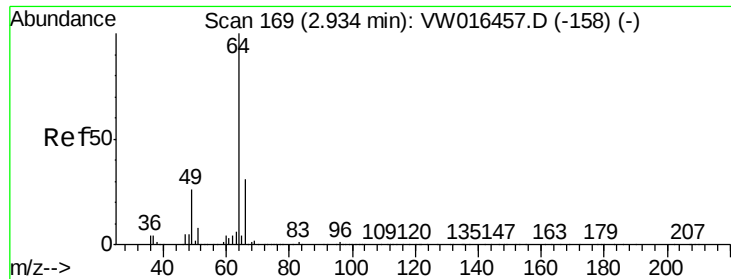
Delta R.T. -0.01 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Tgt Ion	Ratio	Lower	Upper
94	100		
96	110.3	9.4	178.2





#8

Chloroethane

Concen: 0.809 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

ClientSampled :

MDL06

Tot Ion: 64 Resp: 4564

Ion Ratio Lower Upper

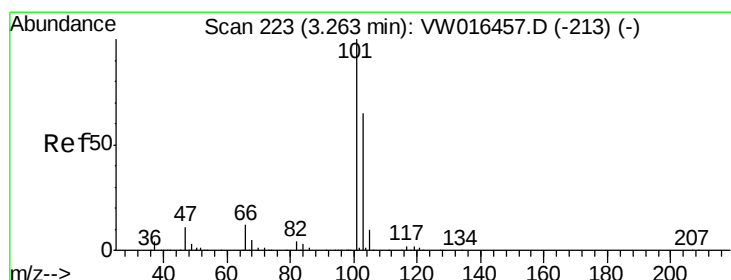
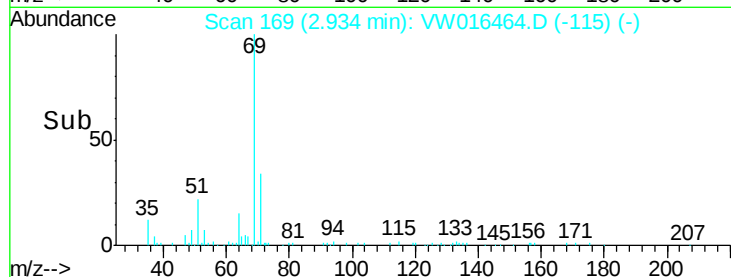
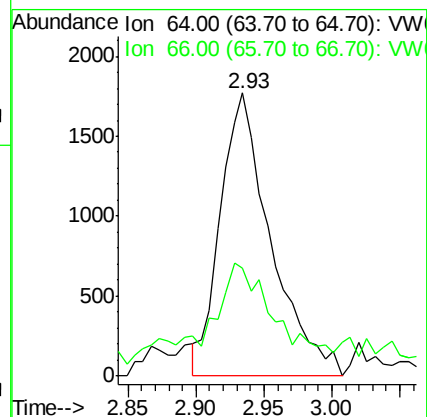
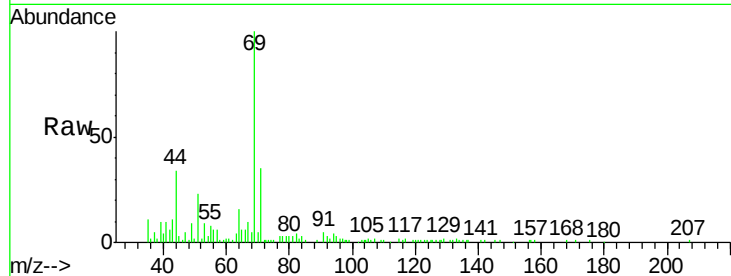
64 100

66 38.4 22.4 41.6

Manual Integrations
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MMDadoda

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#9

Trichlorofluoromethane

Concen: 0.608 ug/L

RT: 3.28 min Scan# 225

Delta R.T. 0.00 min

Lab File: VW016464.D

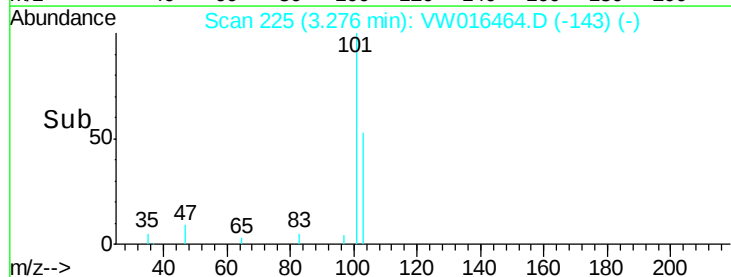
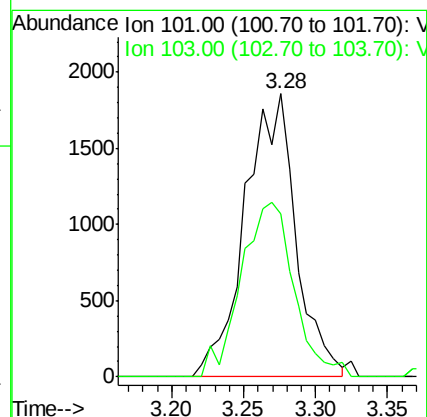
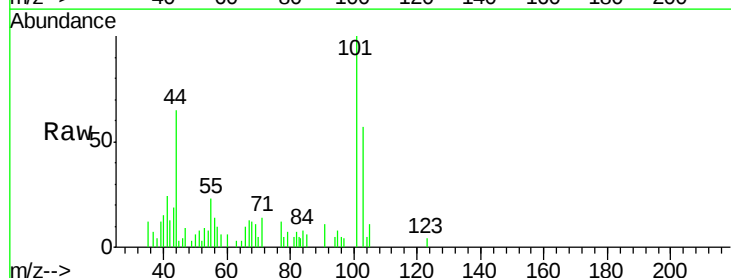
Acq: 04 Sep 2020 15:12

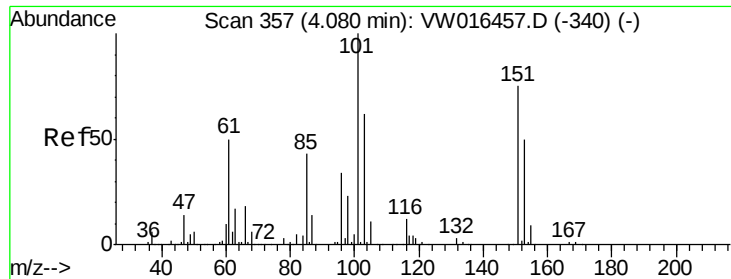
Tgt Ion: 101 Resp: 4562

Ion Ratio Lower Upper

101 100

103 63.5 45.1 83.7





#11

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

Concen: 0.987 ug/L m

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

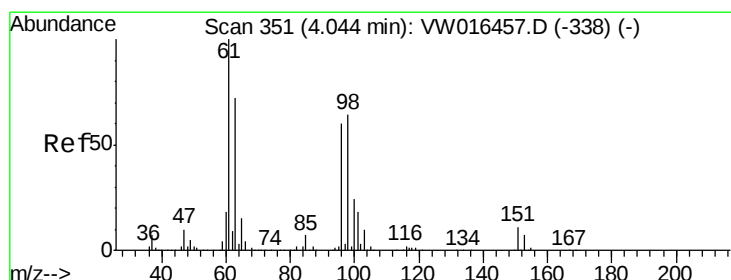
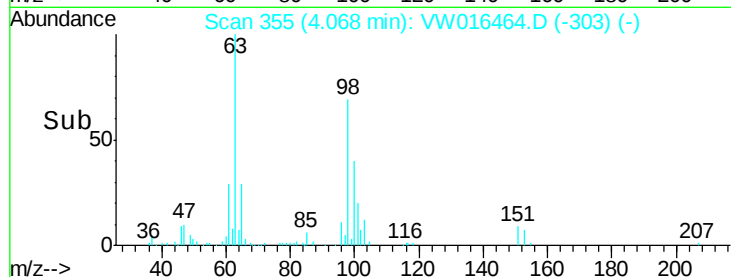
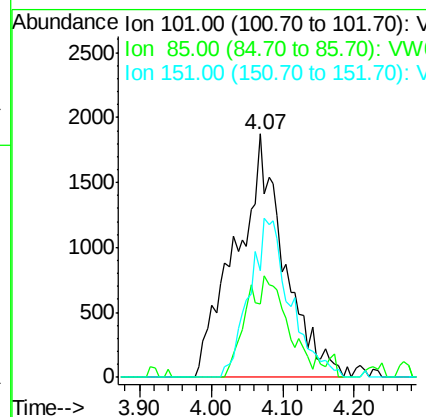
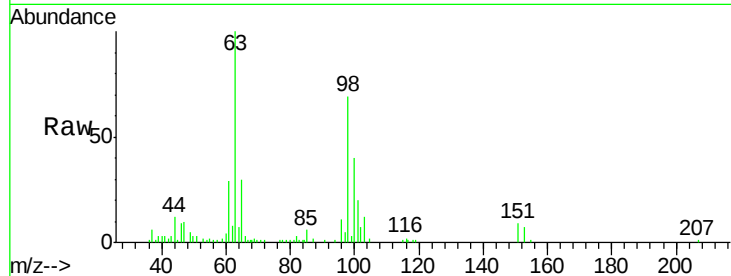
ClientSampled :

MDL06

Tot Ion:	101	Resp:	8767
Ion Ratio	Lower	Upper	
101	100		
85	18.3	33.4	50.0#
151	44.9	61.6	92.4#

Manual Integrations
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9/8/2020 10:14:54 AM



#12

1,1-Dichloroethene

Concen: 0.953 ug/L

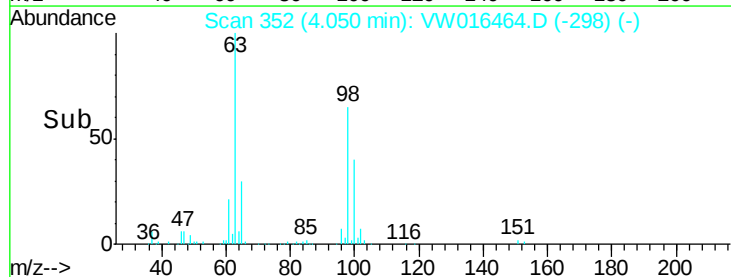
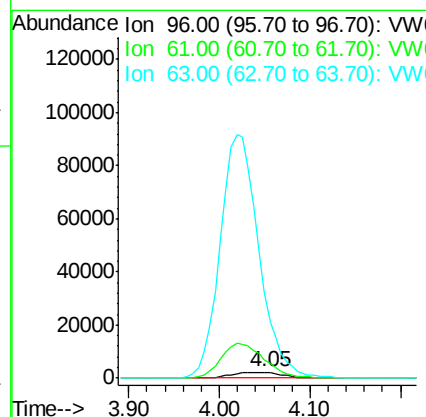
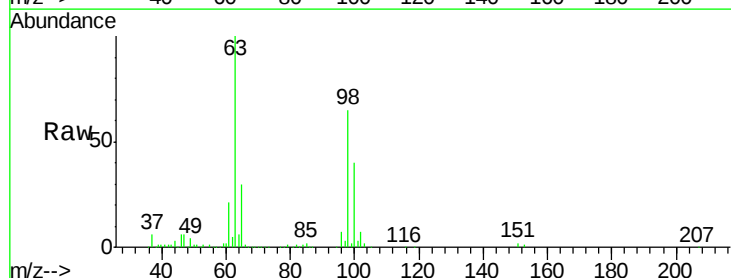
RT: 4.05 min Scan# 352

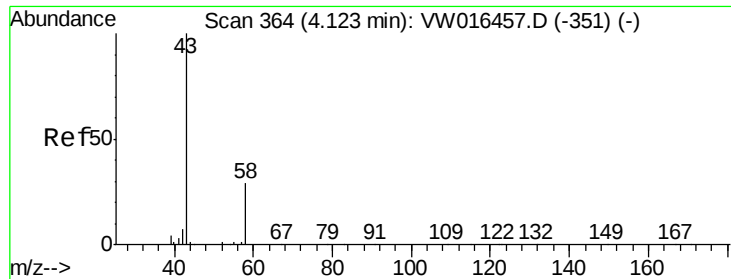
Delta R.T. 0.00 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Tgt Ion:	96	Resp:	8606
Ion Ratio	Lower	Upper	
96	100		
61	292.2	116.5	216.3#
63	1403.0	81.1	150.5#





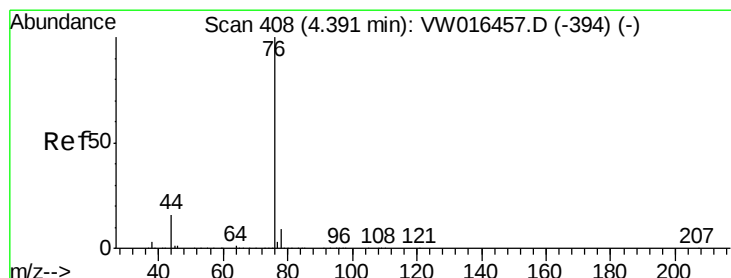
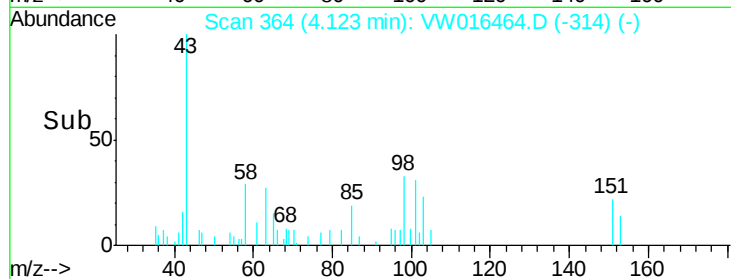
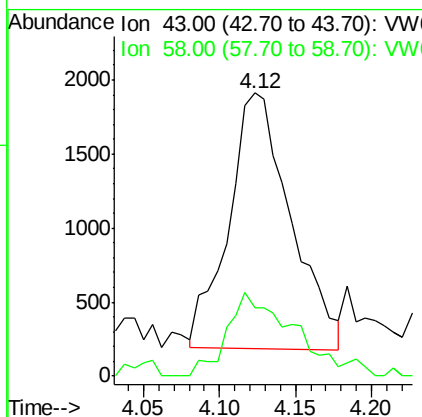
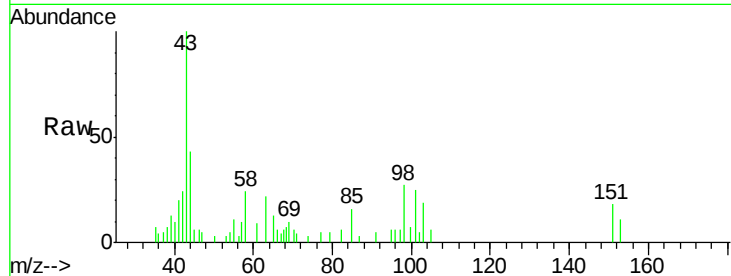
#13
Acetone
Concen: 2.751 ug/L m
RT: 4.12 min Scan# 364
Delta R.T. -0.02 min
Lab File: VW016464.D
Acq: 04 Sep 2020 15:12

Instrument :
MSVOA_W
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
43	100		
58	17.2	0.0	63.0

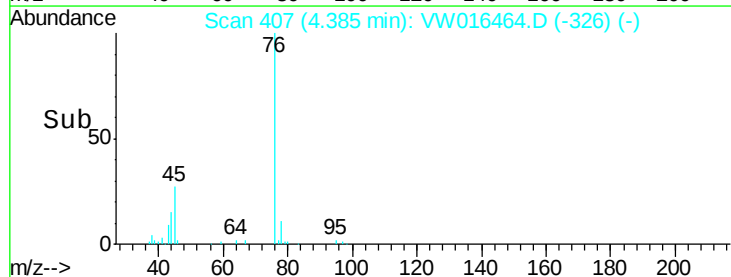
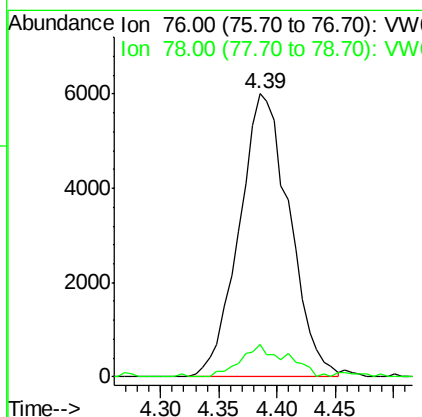
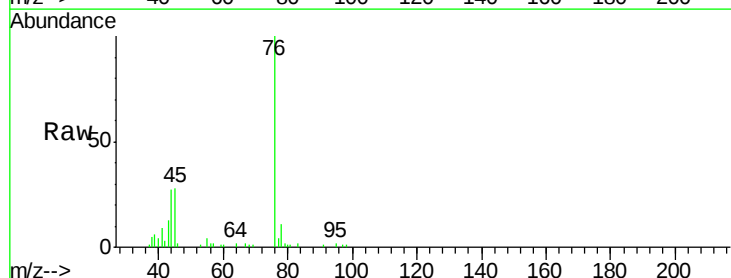
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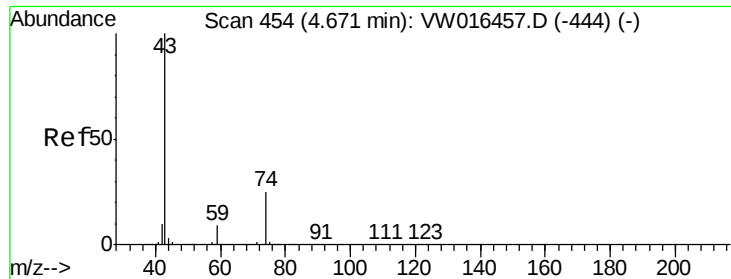
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#14
Carbon disulfide
Concen: 0.651 ug/L
RT: 4.39 min Scan# 407
Delta R.T. -0.01 min
Lab File: VW016464.D
Acq: 04 Sep 2020 15:12

Tgt Ion	Ratio	Lower	Upper
76	100		
78	11.4	7.3	10.9#





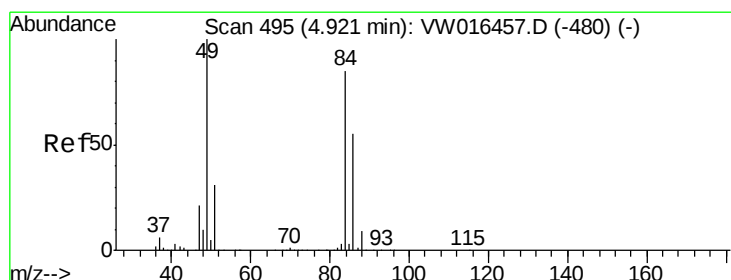
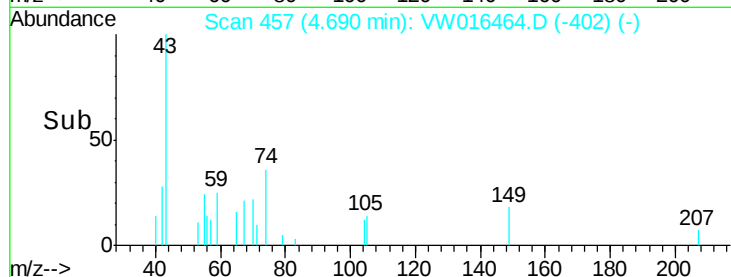
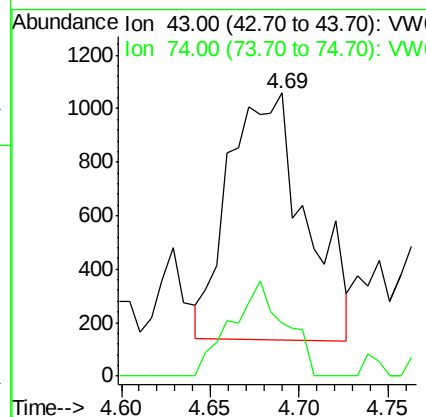
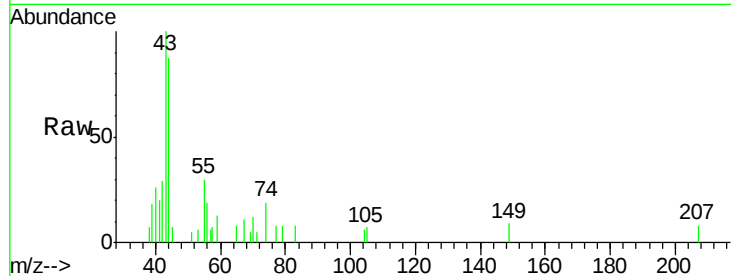
#15
Methyl Acetate
Concen: 0.641 ug/L m
RT: 4.69 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW016464.D
Acq: 04 Sep 2020 15:12

Instrument :
MSVOA_W
ClientSampled :
MDL06

Tot Ion: 43 Resp: 2770
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#

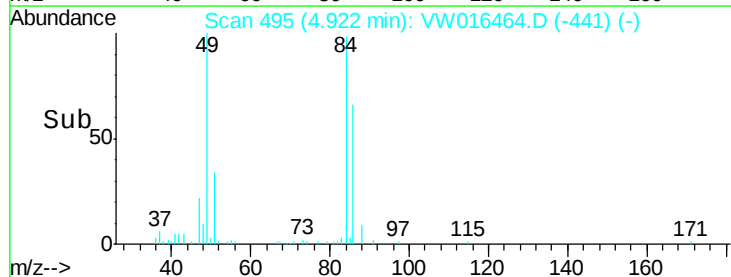
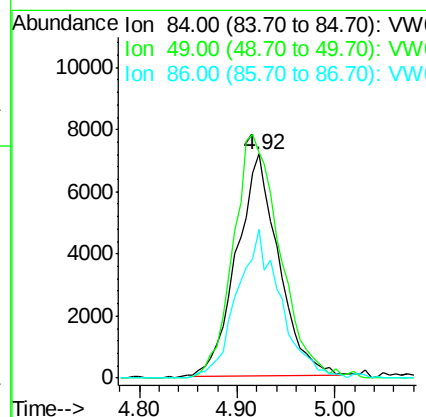
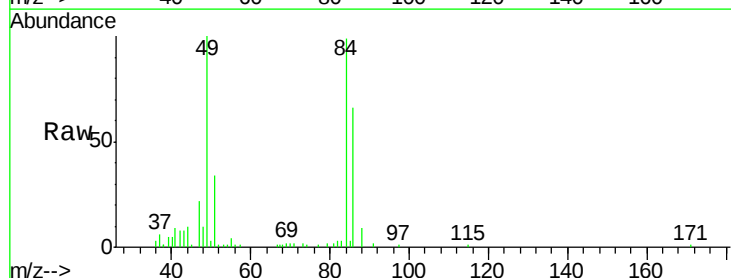
Manual Integrations
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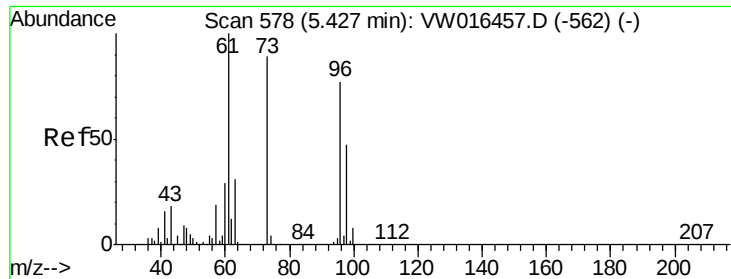
MMDadoda
9/8/2020 10:14:54 AM



#16
Methylene chloride
Concen: 1.867 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW016464.D
Acq: 04 Sep 2020 15:12

Tgt Ion: 84 Resp: 21341
Ion Ratio Lower Upper
84 100
49 101.0 86.7 160.9
86 66.1 44.9 83.5





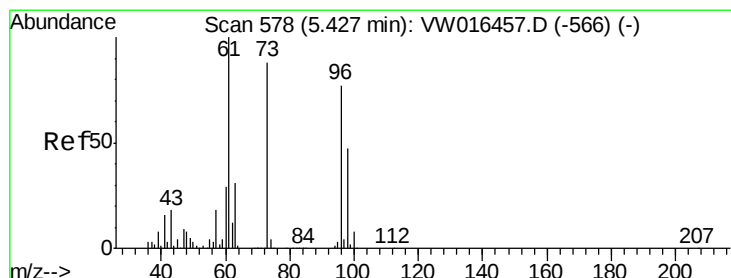
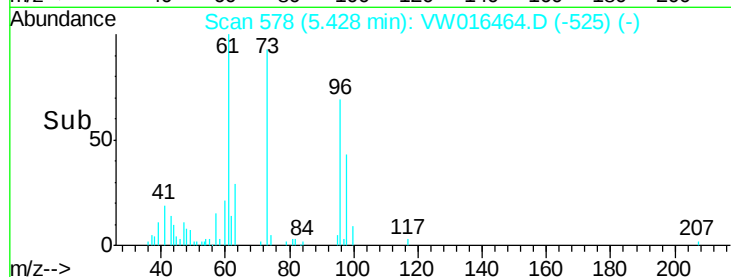
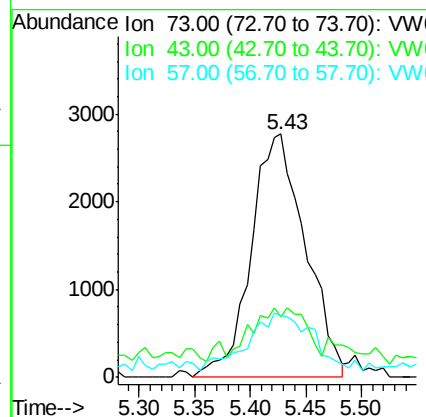
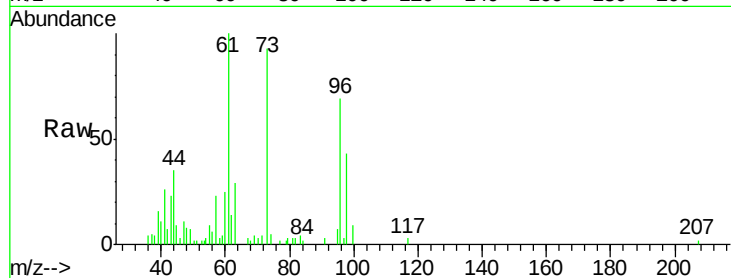
#17
Methvl tert-butvl Ether
Concen: 0.697 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW016464.D
Acq: 04 Sep 2020 15:12

Instrument :
MSVOA_W
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
73	100		
43	11.1	17.9	26.9#
57	3.1	17.4	26.0#

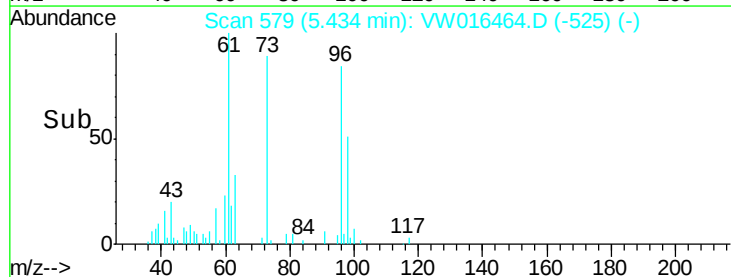
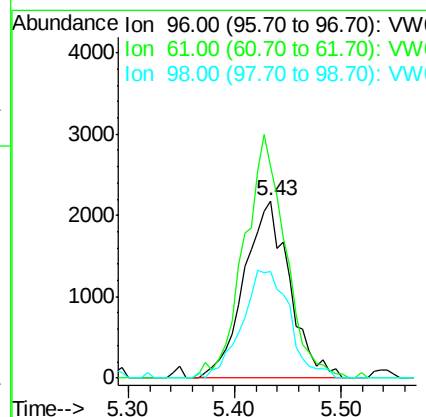
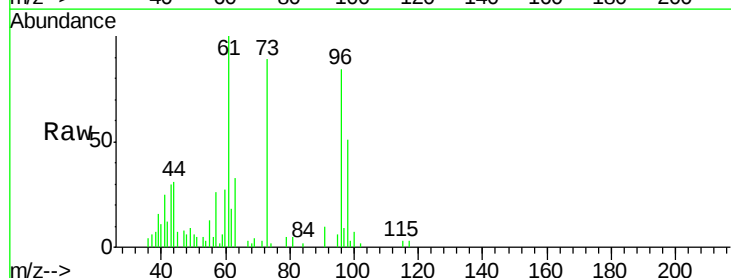
Manual Integrations
APPROVED

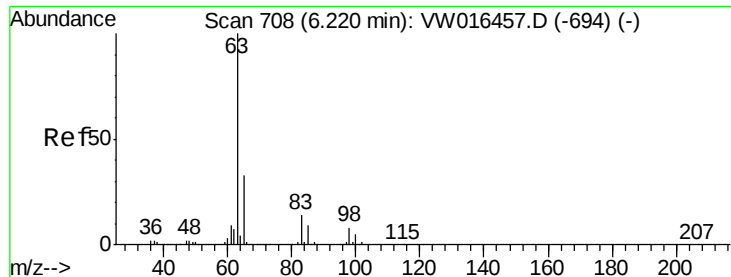
MMDadoda
9/8/2020 10:14:54 AM



#18
trans-1,2-Dichloroethene
Concen: 0.681 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW016464.D
Acq: 04 Sep 2020 15:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.3	96.4	179.0
98	60.4	45.1	83.7





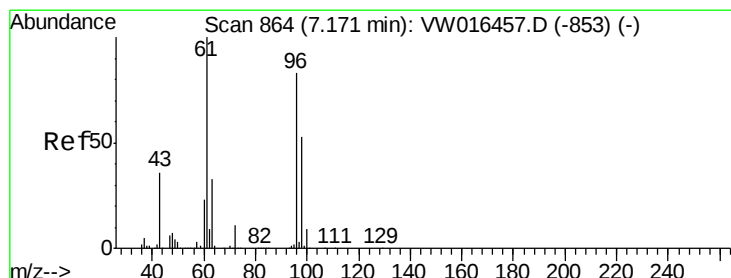
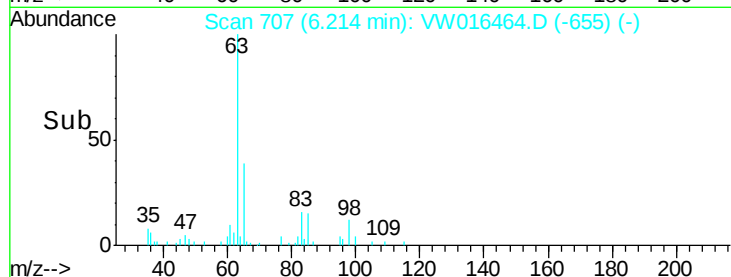
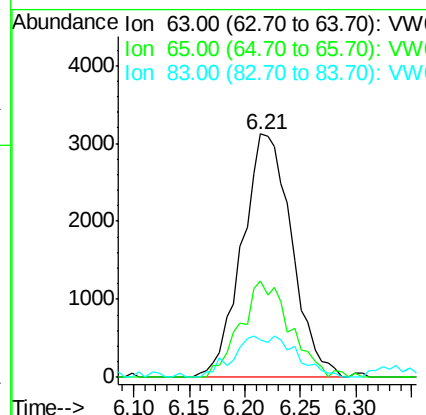
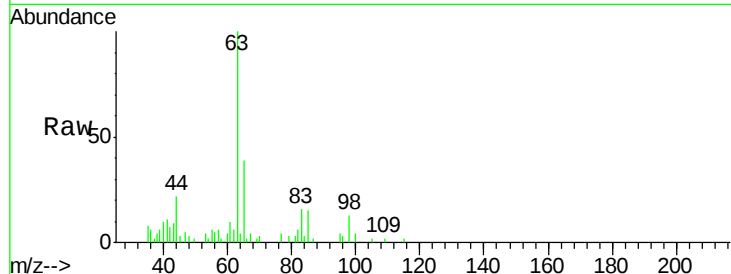
#19
 1,1-Dichloroethane
 Concen: 0.592 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Instrument :
 MSVOA_W
 ClientSampled :
 MDL06

Tot Ion:	63	Resp:	9659
Ion	Ratio	Lower	Upper
63	100		
65	39.5	23.3	43.3
83	15.6	10.3	19.1

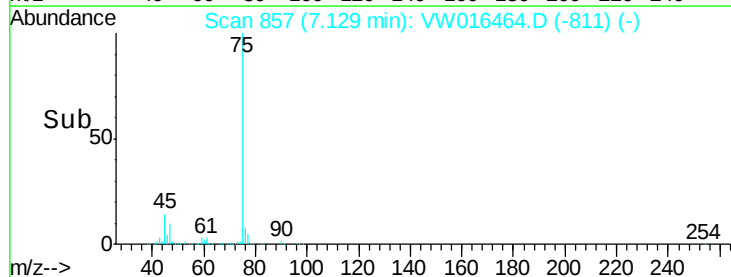
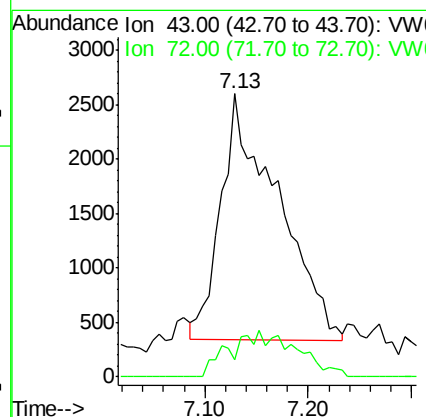
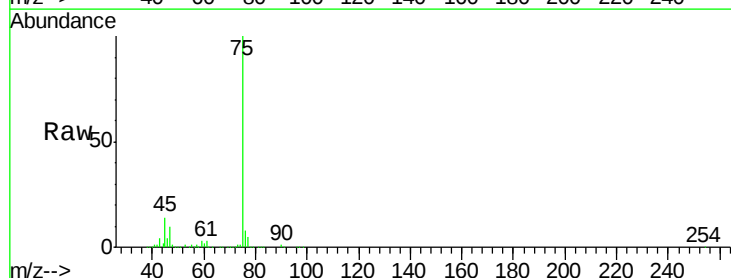
Manual Integrations
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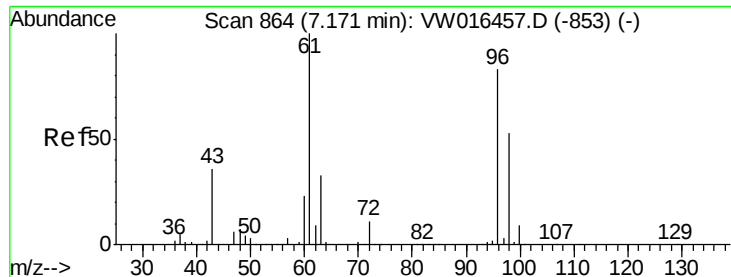
MMDadoda
 9/8/2020 10:14:54 AM



#21
 2-Butanone
 Concen: 2.888 ug/L m
 RT: 7.13 min Scan# 857
 Delta R.T. -0.05 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Tgt Ion:	43	Resp:	8637
Ion	Ratio	Lower	Upper
43	100		
72	0.9	13.5	40.4#





#22

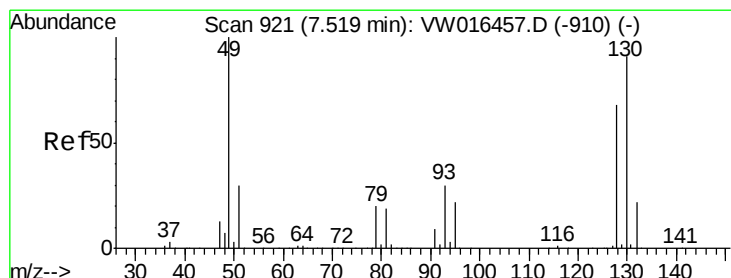
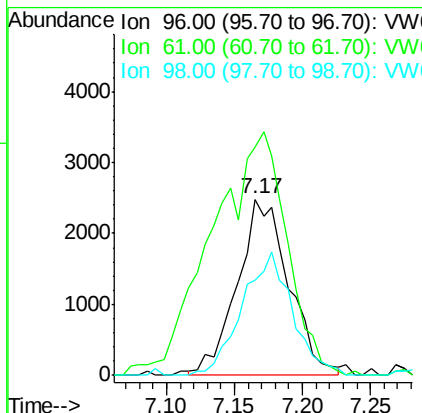
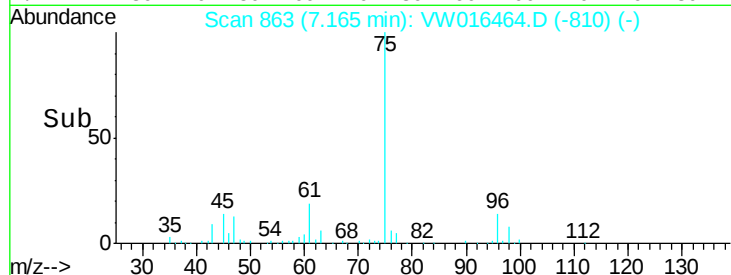
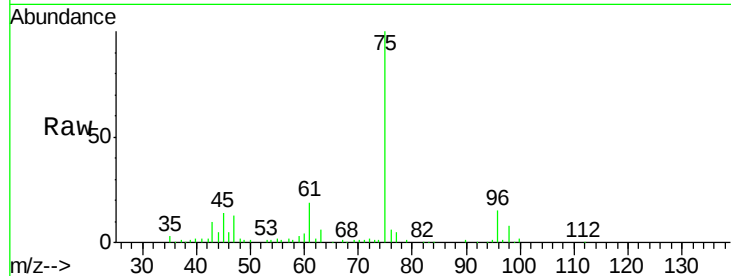
cis-1,2-Dichloroethene
Concen: 0.660 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW016464.D
Acq: 04 Sep 2020 15:12

Instrument :
MSVOA_W
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.3	86.1	159.9
98	53.9	44.1	81.9

Manual Integrations
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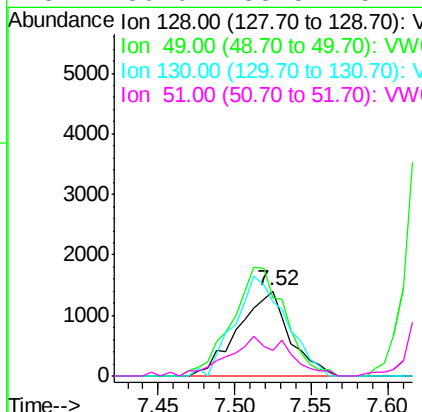
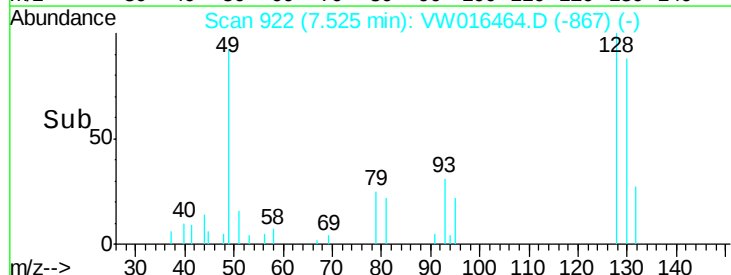
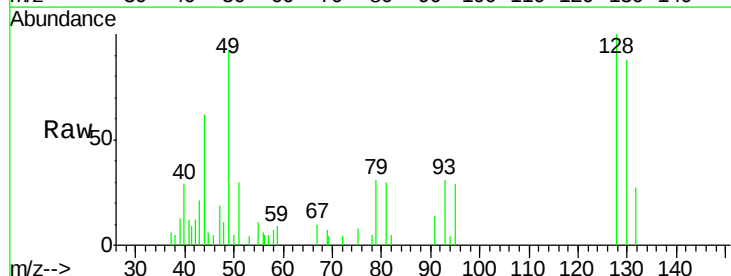
MMDadoda
9/8/2020 10:14:54 AM

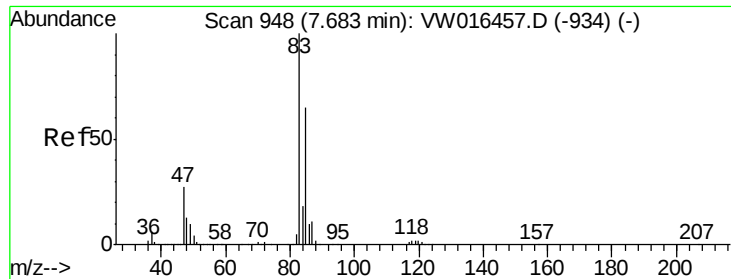


#23

Bromochloromethane
Concen: 0.709 ug/L
RT: 7.52 min Scan# 922
Delta R.T. 0.01 min
Lab File: VW016464.D
Acq: 04 Sep 2020 15:12

Tgt Ion	Ratio	Lower	Upper
128	100		
49	92.2	111.6	207.4#
130	87.9	90.9	168.7#
51	30.0	38.5	57.7#





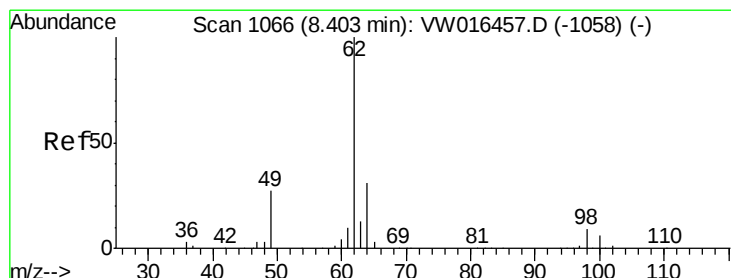
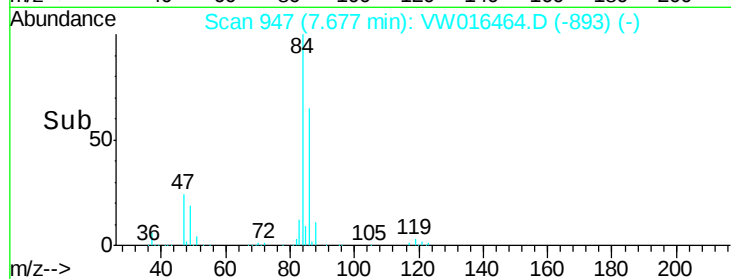
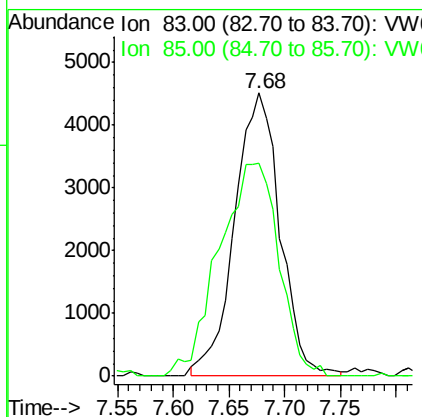
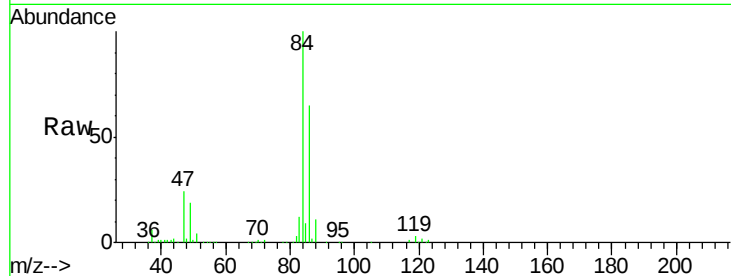
#25
Chloroform
Concen: 0.757 ug/L m
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016464.D
Acq: 04 Sep 2020 15:12

Instrument :
MSVOA_W
ClientSampled :
MDL06

Tot Ion	83	Resp	12780
Ion Ratio	100	Lower	Upper
85	0.5	45.6	84.8#

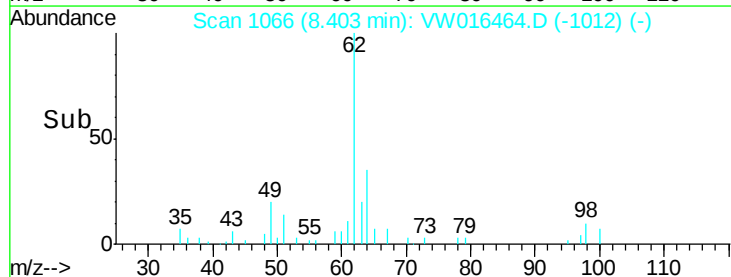
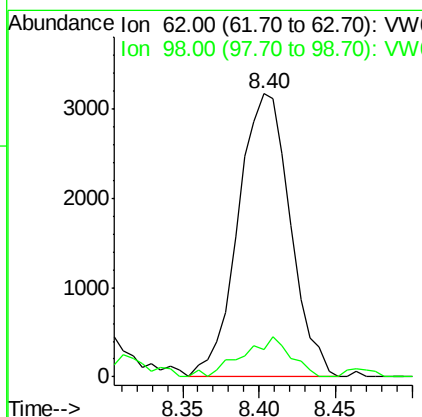
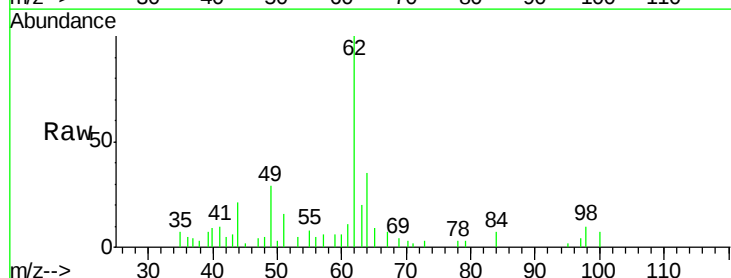
Manual Integrations
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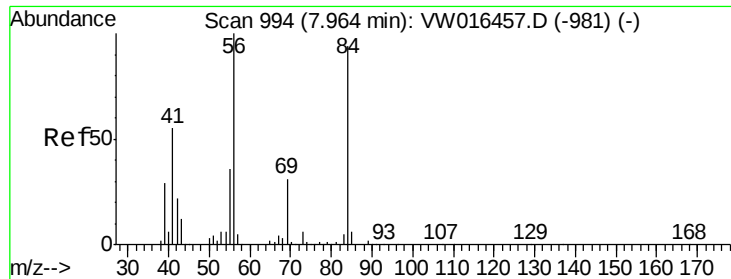
MMDadoda
9/8/2020 10:14:54 AM



#27
1,2-Dichloroethane
Concen: 0.667 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016464.D
Acq: 04 Sep 2020 15:12

Tgt Ion	62	Resp	7505
Ion Ratio	100	Lower	Upper
98	9.6	7.3	10.9





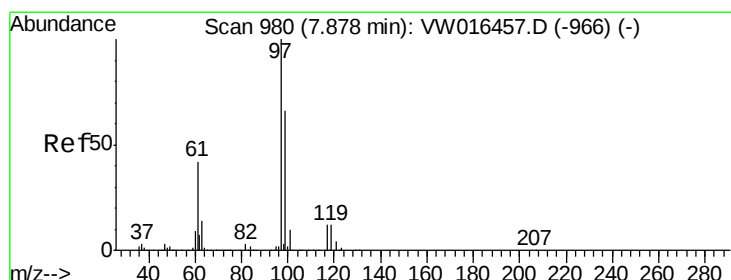
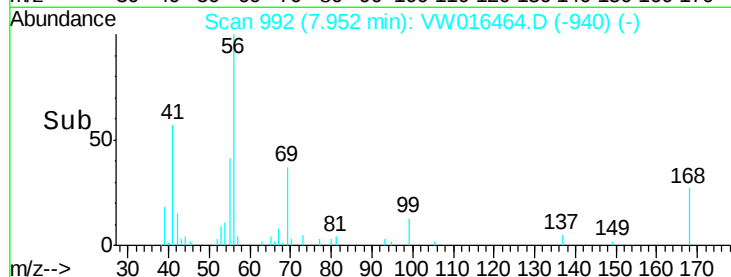
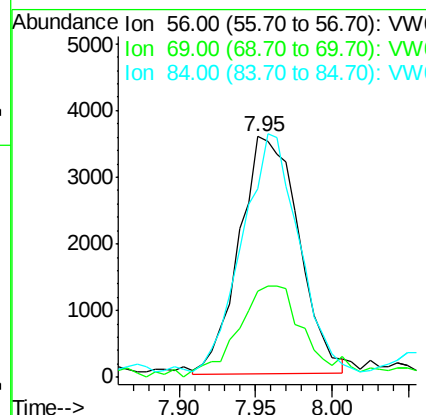
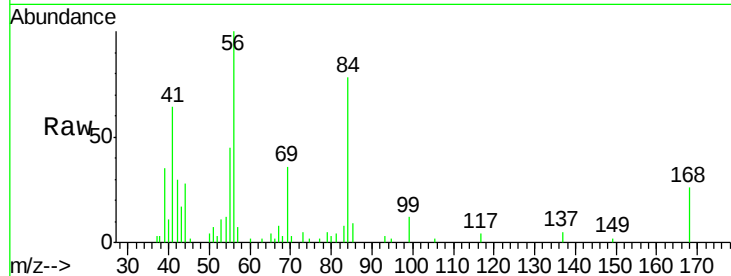
#30
Cyclohexane
Concen: 0.619 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW016464.D
Acq: 04 Sep 2020 15:12

Instrument :
MSVOA_W
ClientSampled :
MDL06

Tot Ion	Ratio	Resp	Lower	Upper
56	100	9650		
69	40.8	25.3	37.9#	
84	94.5	71.6	107.4	

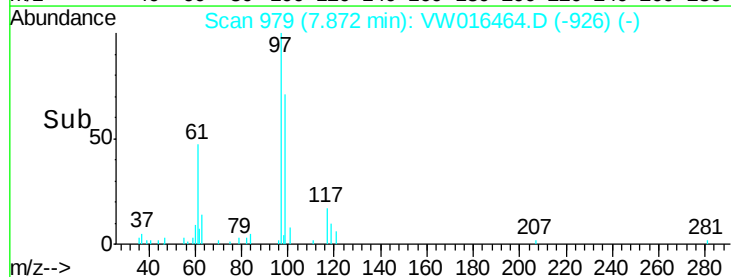
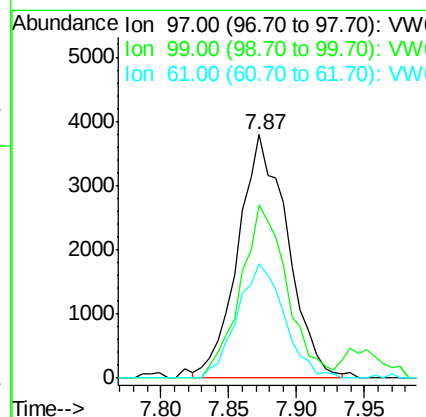
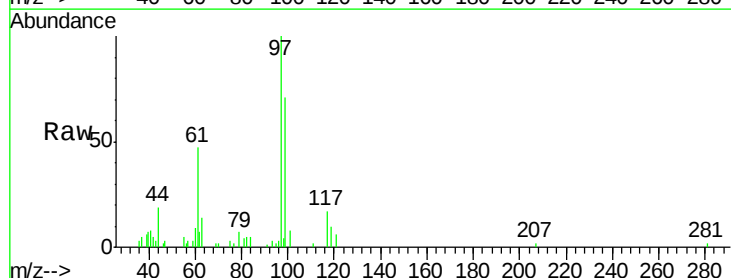
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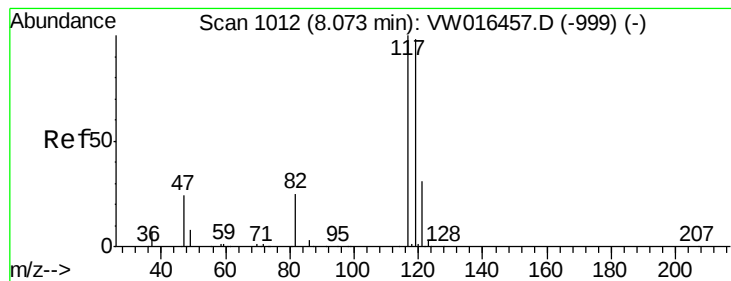
MMDadoda
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#31
1,1,1-Trichloroethane
Concen: 0.682 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW016464.D
Acq: 04 Sep 2020 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	9642		
99	67.0	52.2	78.2	
61	43.9	36.3	54.5	





#32

Carbon tetrachloride

Concen: 0.682 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

ClientSampleId :

MDL06

Tot Ion:117 Resp: 9228

Ion Ratio Lower Upper

117 100

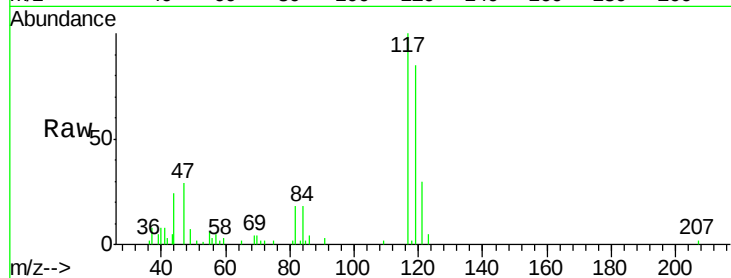
119 93.9 77.8 116.6

Manual Integrations

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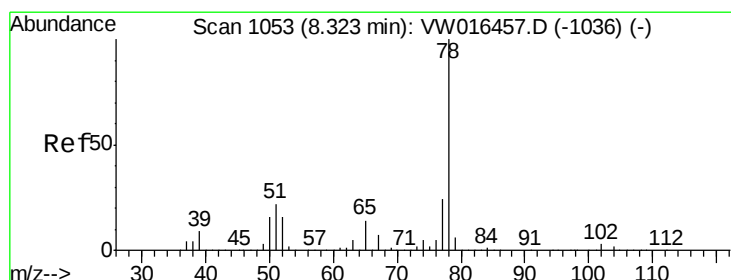
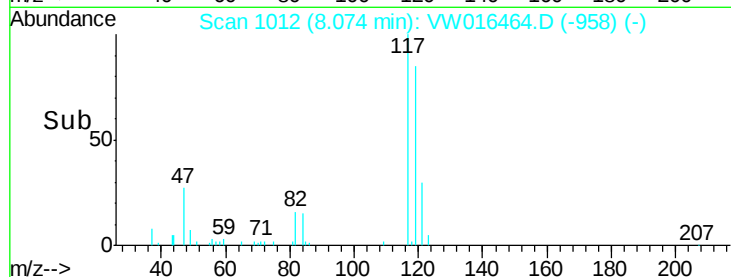
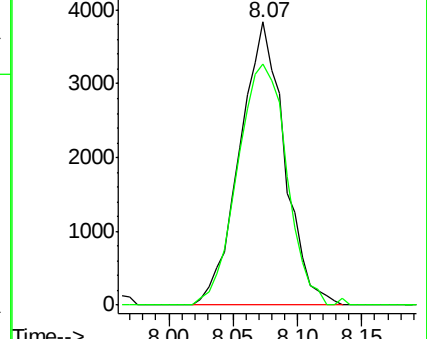
MMDadoda

9/8/2020 10:14:54 AM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 0.668 ug/L

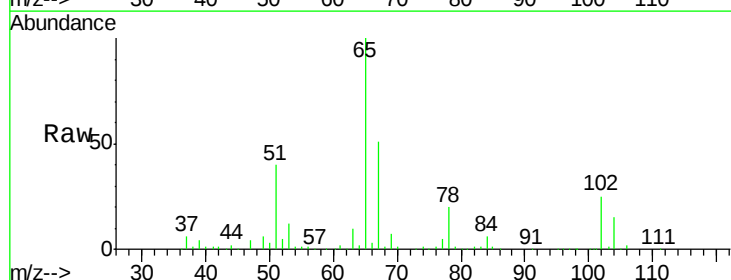
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

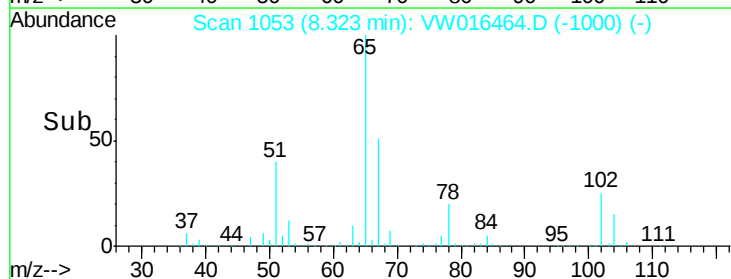
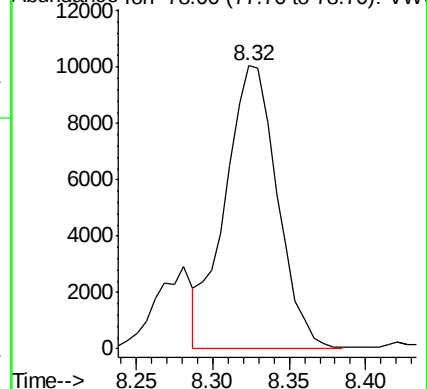
Lab File: VW016464.D

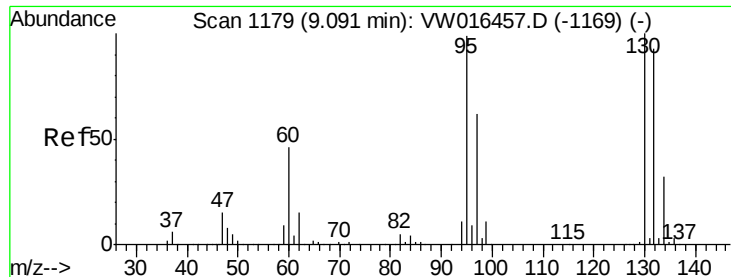
Acq: 04 Sep 2020 15:12

Tgt Ion: 78 Resp: 23842



Abundance Ion 78.00 (77.70 to 78.70): VW





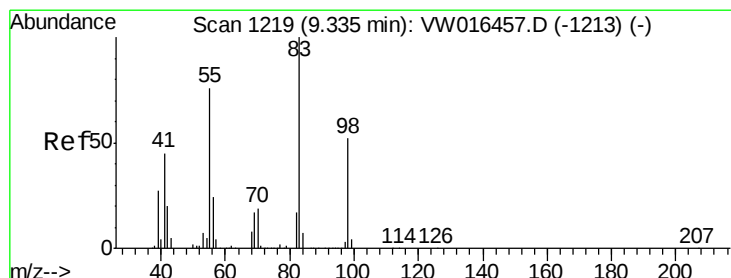
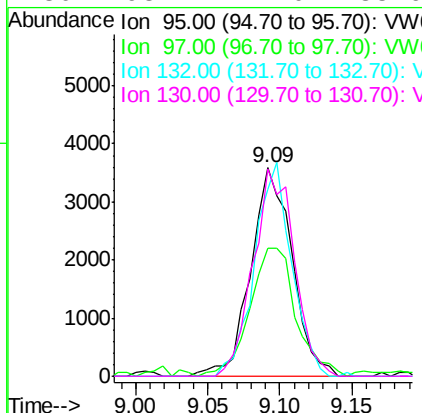
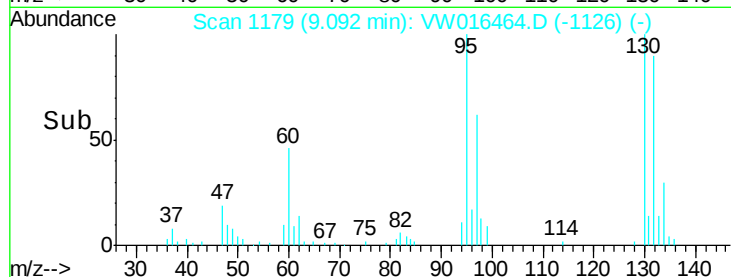
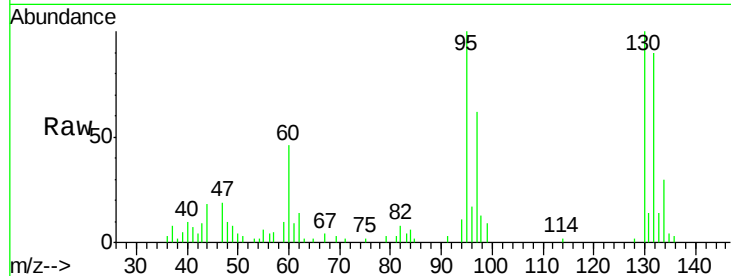
#35
 Trichloroethene
 Concen: 0.723 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Instrument :
 MSVOA_W
 ClientSampled :
 MDL06

Tot Ion	95	Resp	7154
Ion	Ratio	Lower	Upper
95	100		
97	68.5	44.9	83.5
132	91.6	69.2	128.4
130	98.4	72.0	133.6

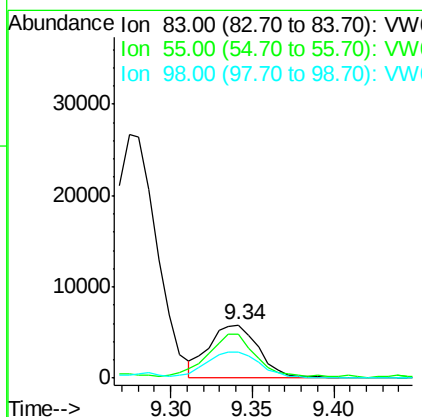
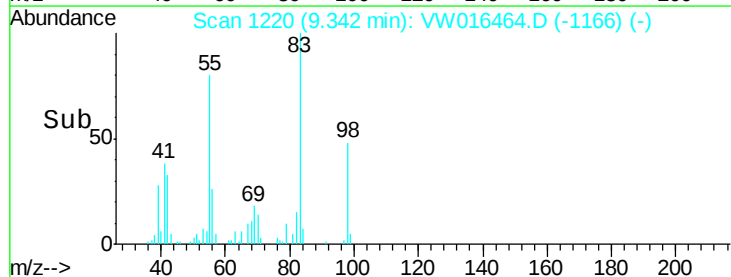
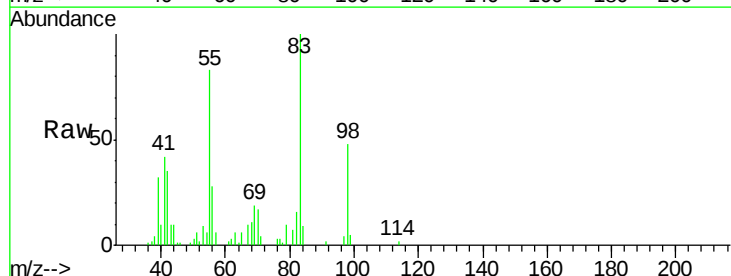
Manual Integrations
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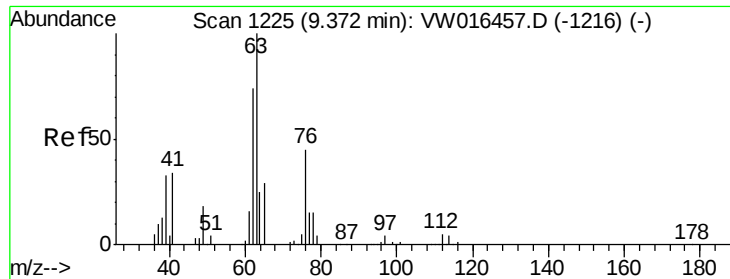
MMDadoda
 9/8/2020 10:14:54 AM



#36
 Methylcyclohexane
 Concen: 0.720 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Tgt Ion	83	Resp	12469
Ion	Ratio	Lower	Upper
83	100		
55	75.3	60.9	91.3
98	52.4	40.0	60.0





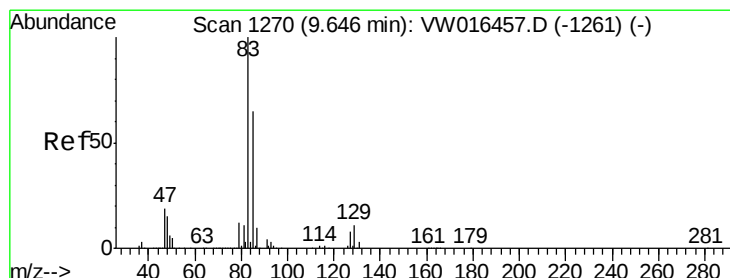
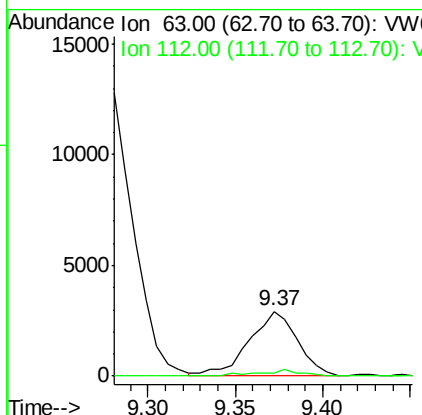
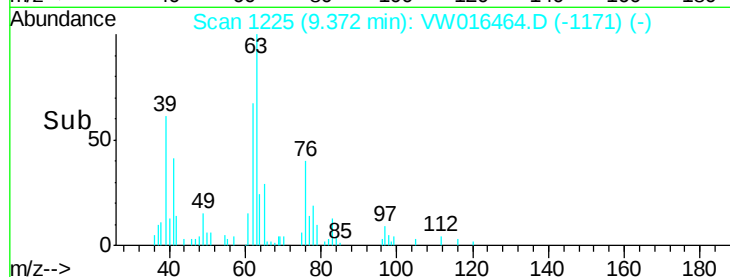
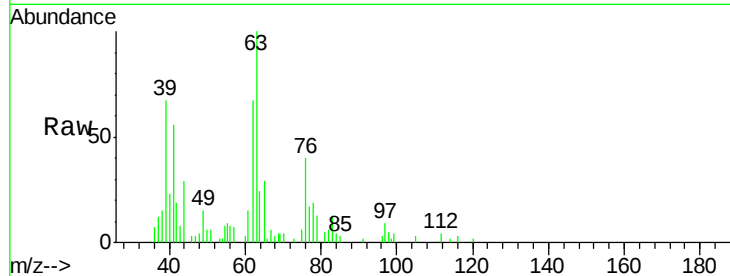
#40
 1,2-Dichloropropane
 Concen: 0.638 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Instrument :
 MSVOA_W
 ClientSampled :
 MDL06

Tot Ion	Ratio	Lower	Upper
63	100		
112	4.8	3.8	5.8

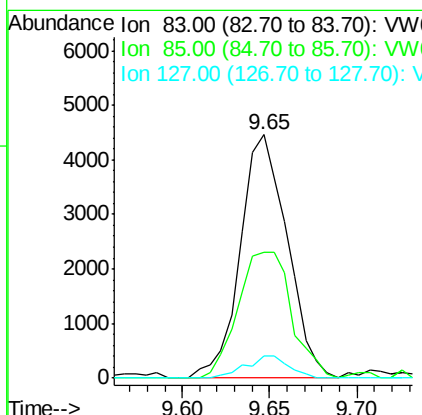
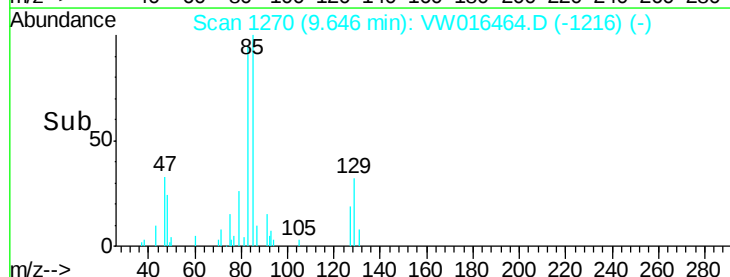
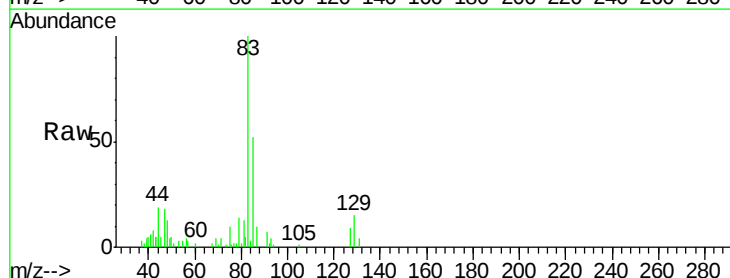
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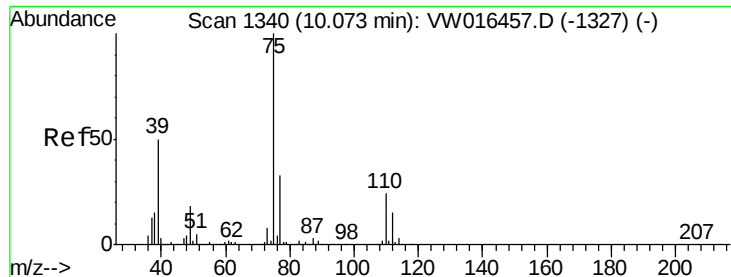
MMDadoda
 9/8/2020 10:14:54 AM



#41
 Bromodichloromethane
 Concen: 0.677 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	51.8	43.5	80.7
127	9.0	6.7	10.1





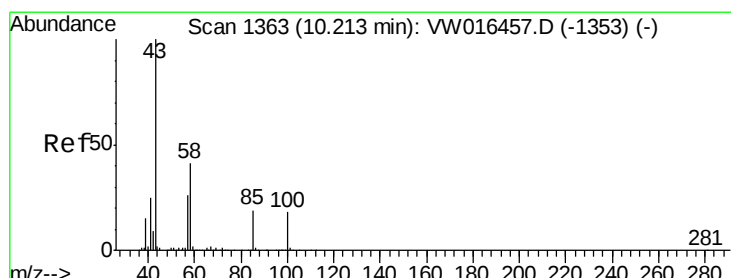
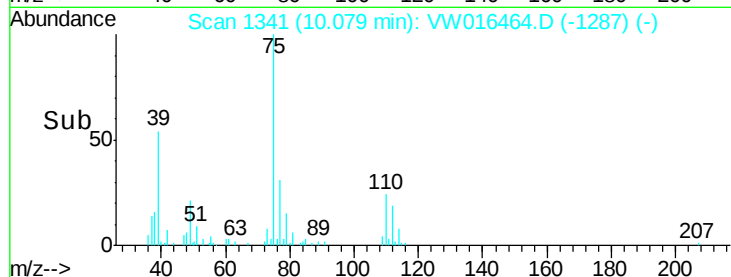
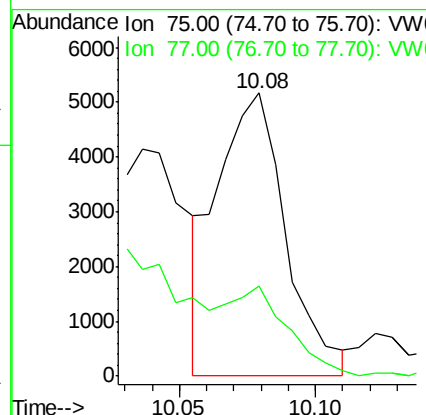
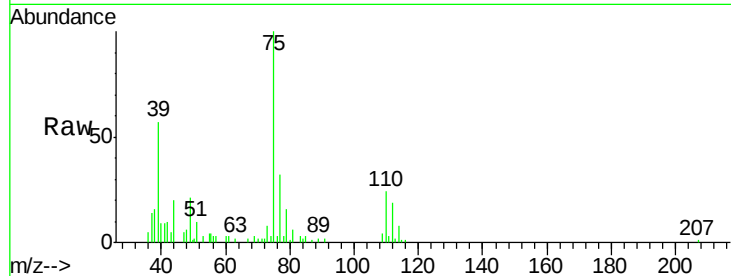
#42
 cis-1,3-Dichloropropene
 Concen: 0.599 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Instrument :
 MSVOA_W
 ClientSampled :
 MDL06

Tot Ion: 75 Resp: 8973
 Ion Ratio Lower Upper
 75 100
 77 31.9 20.9 38.7

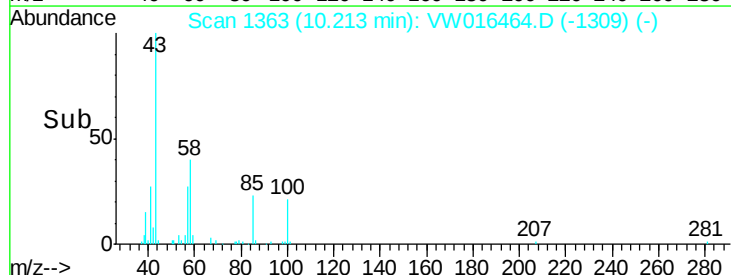
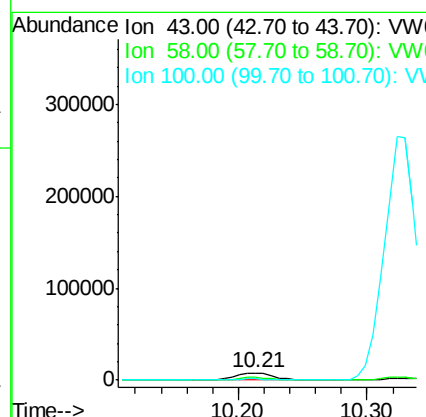
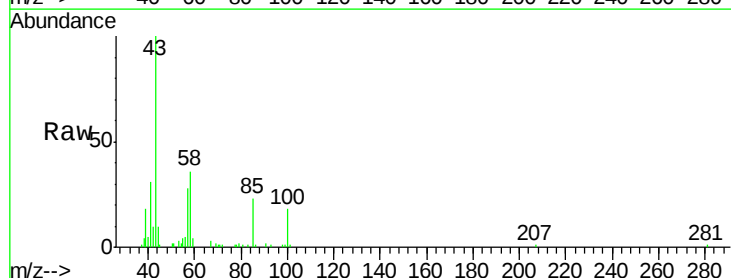
Manual Integrations
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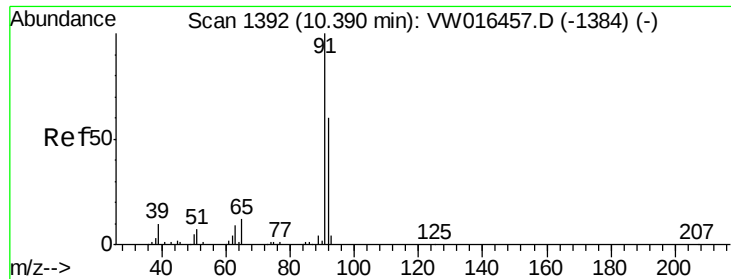
MMDadoda
 9/8/2020 10:14:54 AM



#43
 4-Methyl-2-pentanone
 Concen: 2.373 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Tgt Ion: 43 Resp: 14834
 Ion Ratio Lower Upper
 43 100
 58 39.2 30.6 45.8
 100 18.7 13.0 19.6





#44

Toluene

Concen: 0.677 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

ClientSampled :

MDL06

Tot Ion: 91 Resp: 27068

Ion Ratio Lower Upper

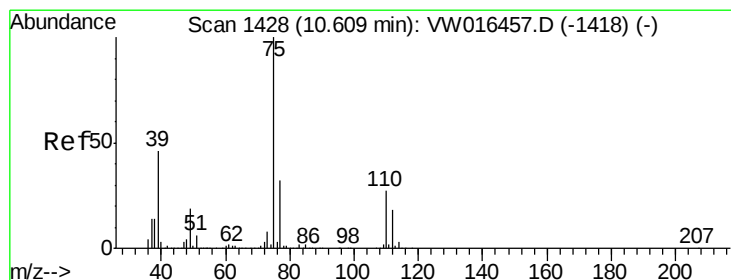
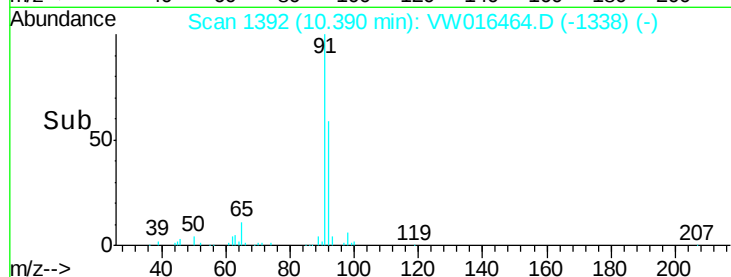
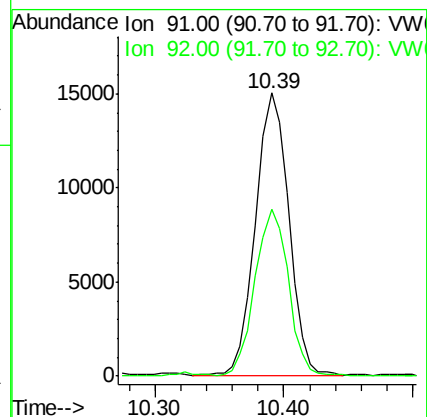
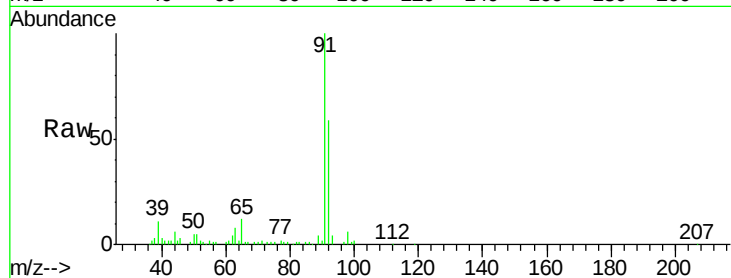
91 100

92 58.9 39.5 73.4

Manual Integrations
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MMDadoda

9/8/2020 10:14:54 AM



#45

trans-1,3-Dichloropropene

Concen: 0.598 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW016464.D

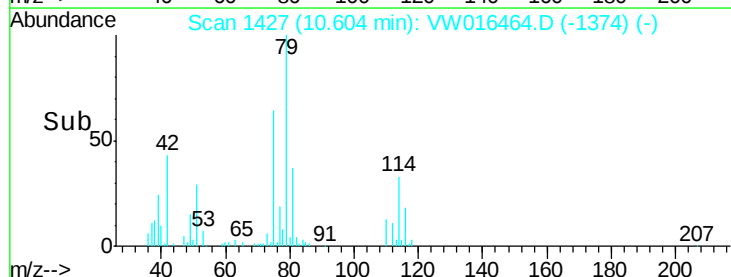
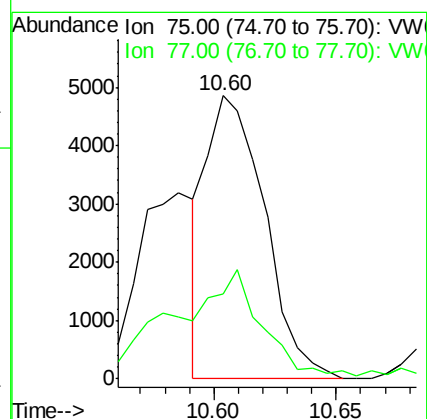
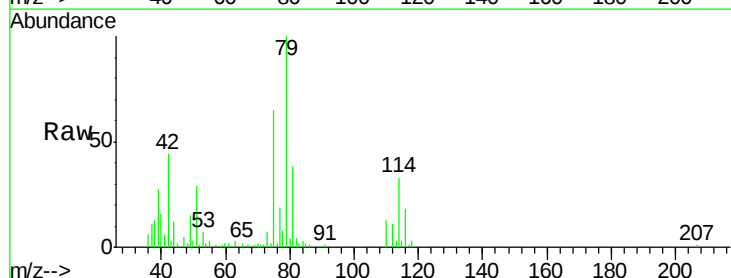
Acq: 04 Sep 2020 15:12

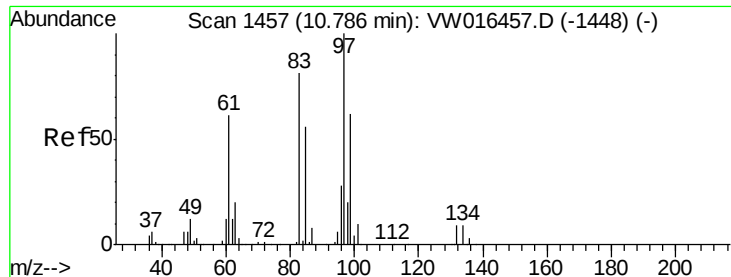
Tgt Ion: 75 Resp: 8002

Ion Ratio Lower Upper

75 100

77 29.9 21.9 40.7





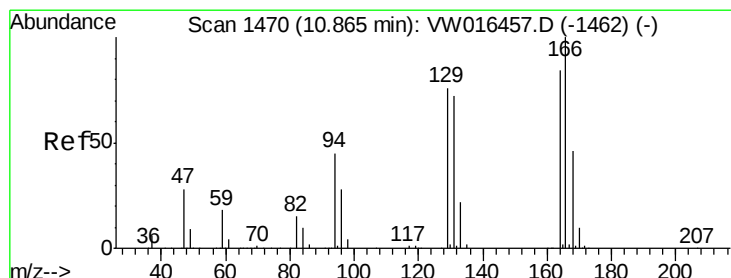
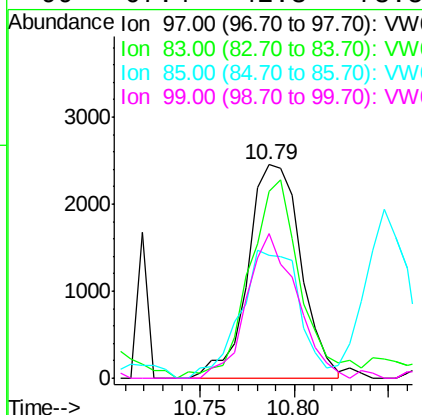
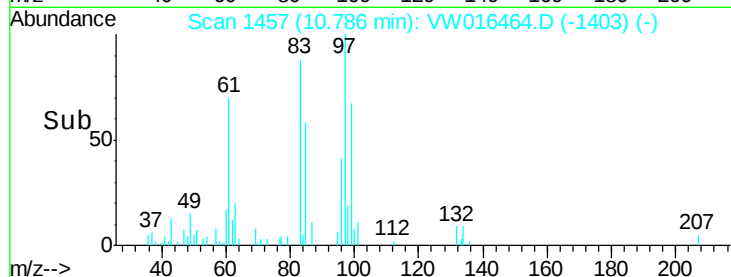
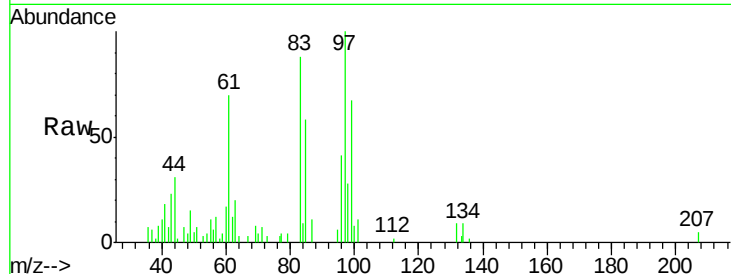
#46
1,1,2-Trichloroethane
Concen: 0.683 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW016464.D
Acq: 04 Sep 2020 15:12

Instrument :
MSVOA_W
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.8	59.7	110.9
85	57.7	37.6	69.8
99	67.4	42.3	78.5

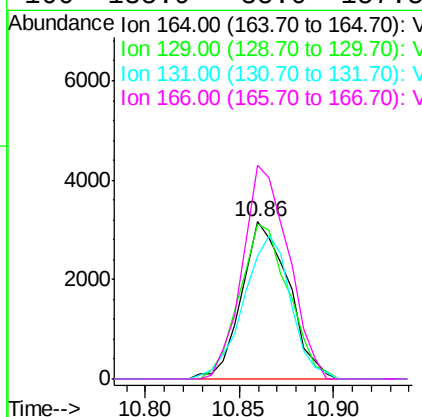
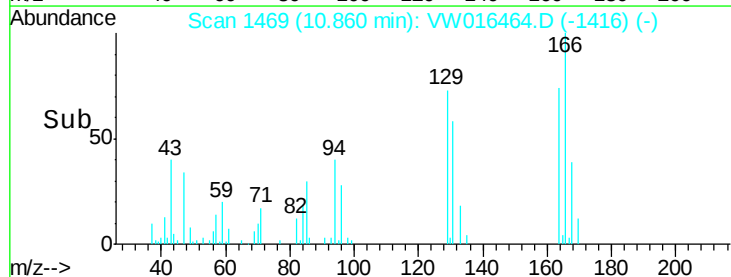
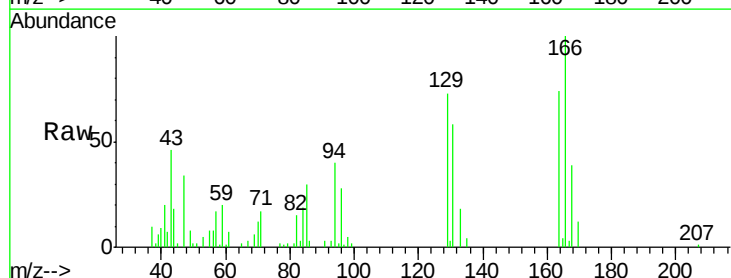
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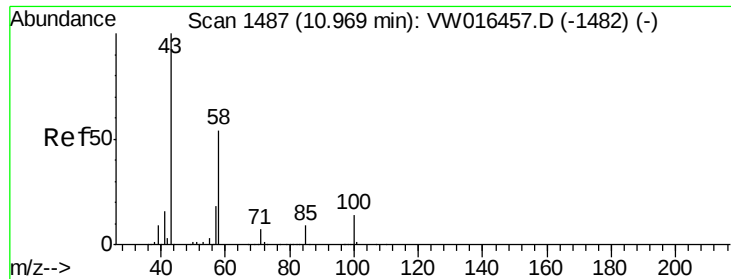
MMDadoda
9/8/2020 10:14:54 AM



#47
Tetrachloroethene
Concen: 0.692 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW016464.D
Acq: 04 Sep 2020 15:12

Tgt Ion	Ratio	Lower	Upper
164	100		
129	98.8	65.7	121.9
131	78.2	61.1	113.5
166	135.9	85.0	157.8





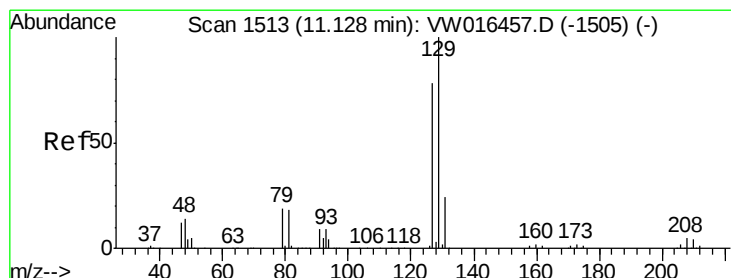
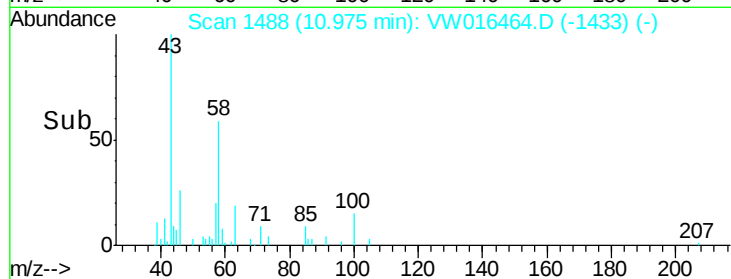
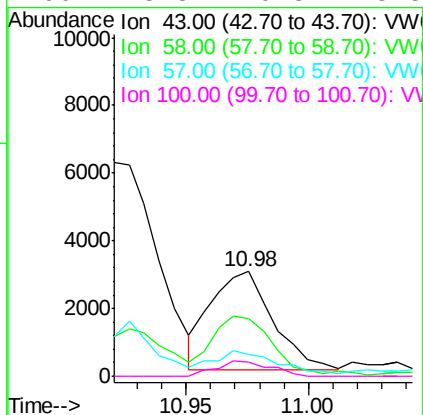
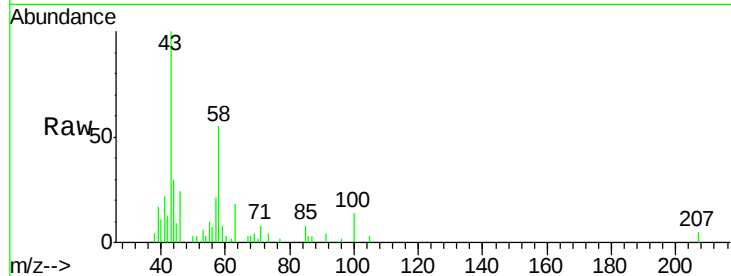
#49
2-Hexanone
Concen: 1.170 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW016464.D
Acq: 04 Sep 2020 15:12

Instrument :
MSVOA_W
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.0	42.1	63.1
57	22.6	14.9	22.3
100	13.8	10.3	15.5

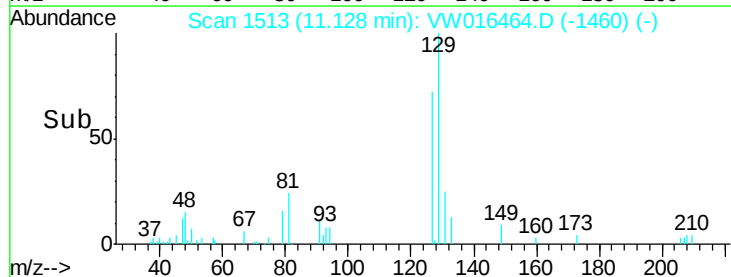
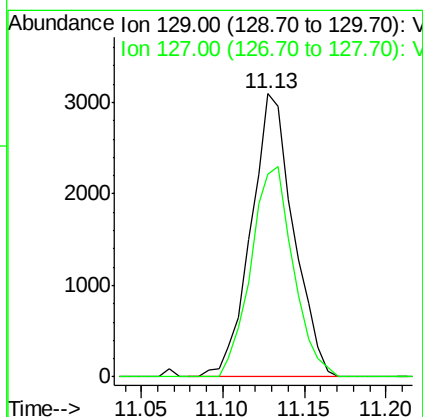
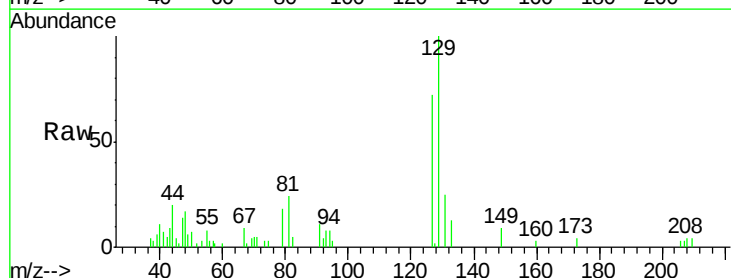
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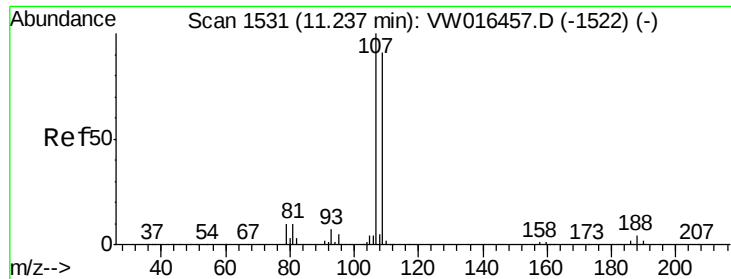
MMDadoda
9/8/2020 10:14:54 AM



#50
Dibromochloromethane
Concen: 0.633 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016464.D
Acq: 04 Sep 2020 15:12

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.6	55.4	103.0





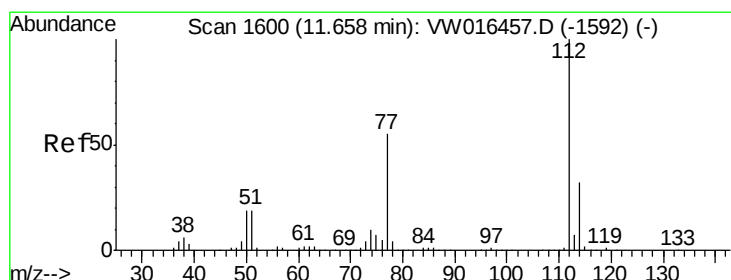
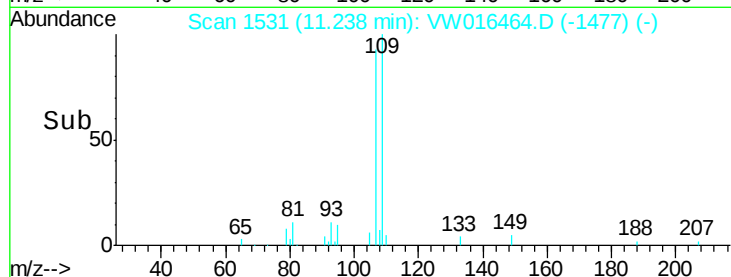
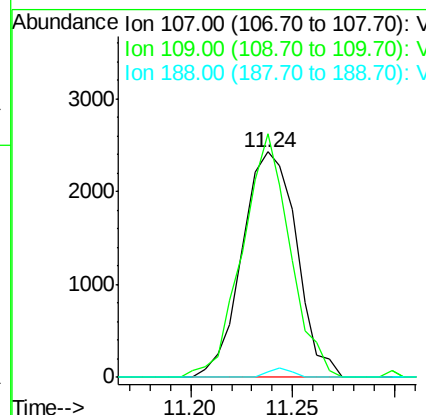
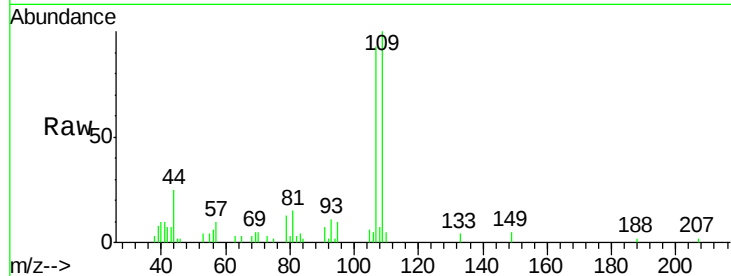
#51
 1,2-Dibromoethane
 Concen: 0.644 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
109	108.1	64.8	120.4	
188	2.7	3.4	5.0#	

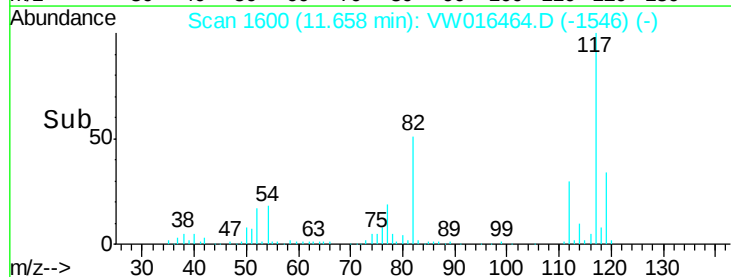
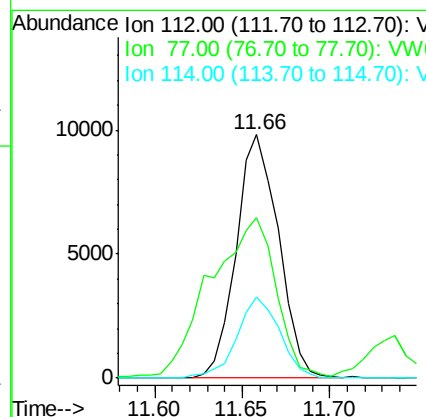
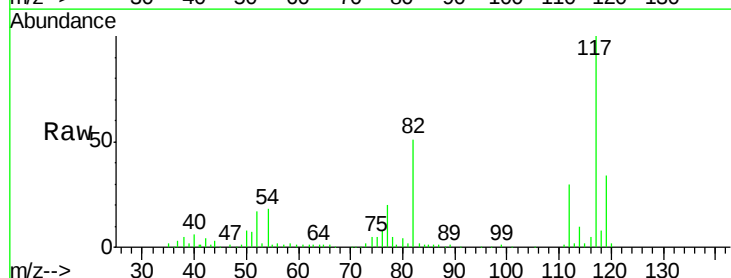
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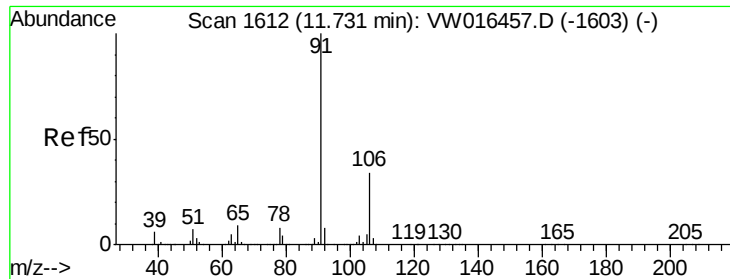
MMDadoda
 9/8/2020 10:14:54 AM



#52
 Chlorobenzene
 Concen: 0.651 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
77	65.8	46.2	69.2	
114	33.3	21.1	39.3	





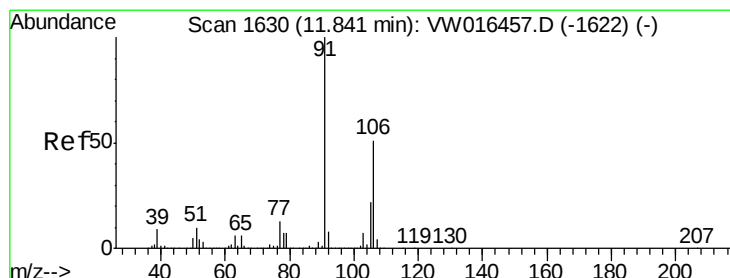
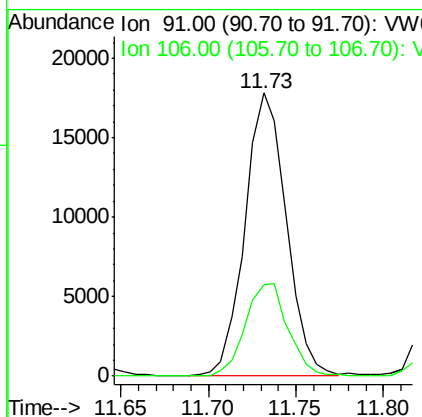
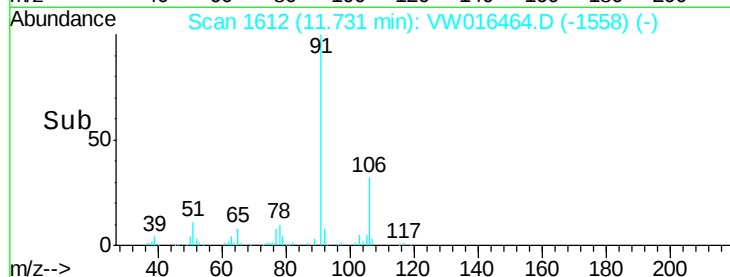
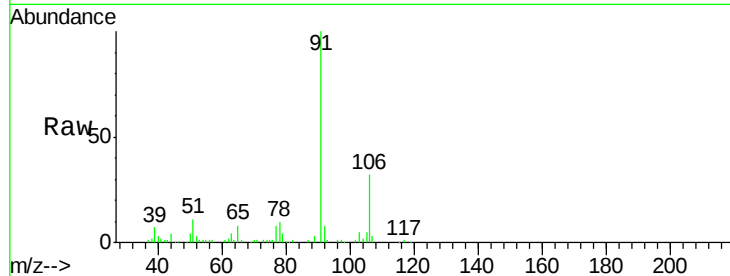
#53
Ethylbenzene
Concen: 0.652 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016464.D
Acq: 04 Sep 2020 15:12

Instrument :
MSVOA_W
ClientSampled :
MDL06

Tot Ion: 91 Resp: 29350
Ion Ratio Lower Upper
91 100
106 32.3 21.6 40.2

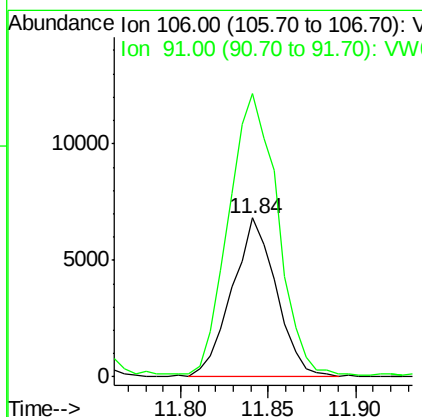
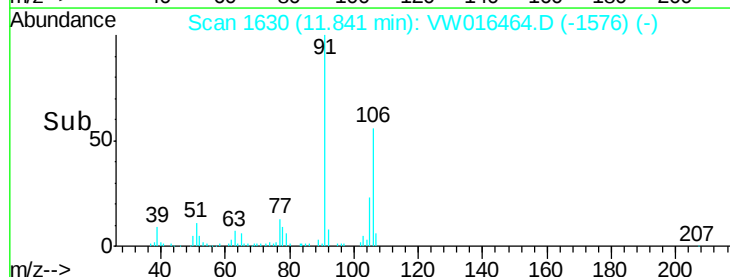
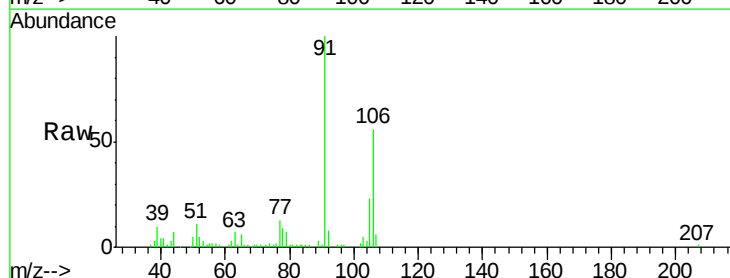
Manual Integrations
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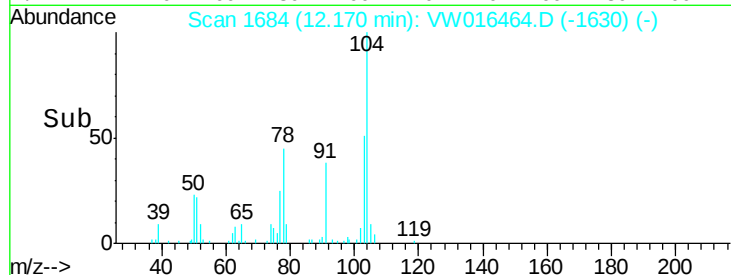
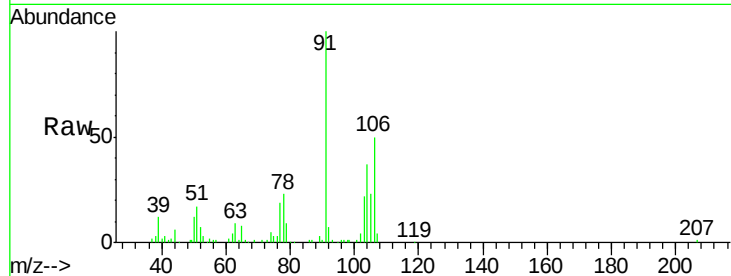
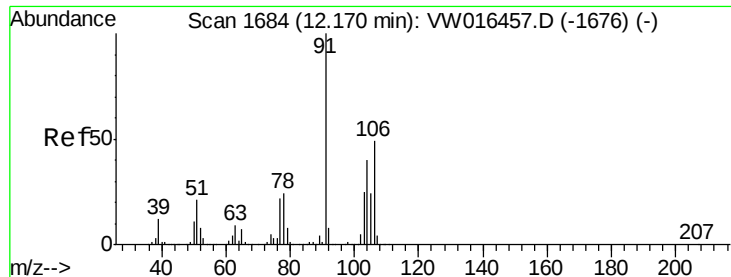
MMDadoda
9/8/2020 10:14:54 AM



#54
m,p-Xylene
Concen: 0.698 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016464.D
Acq: 04 Sep 2020 15:12

Tgt Ion: 106 Resp: 12008
Ion Ratio Lower Upper
106 100
91 178.2 142.3 264.3





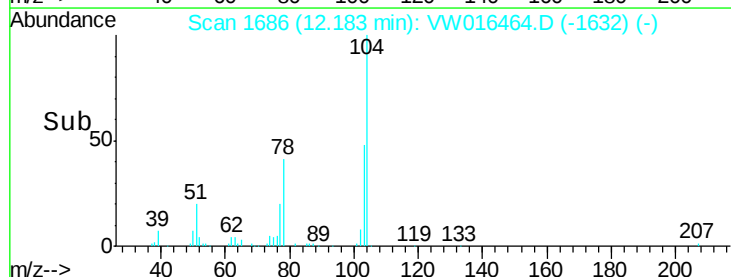
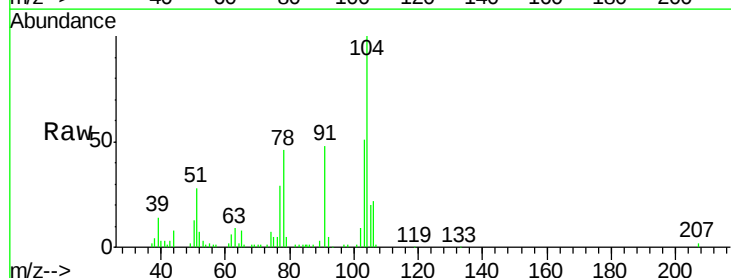
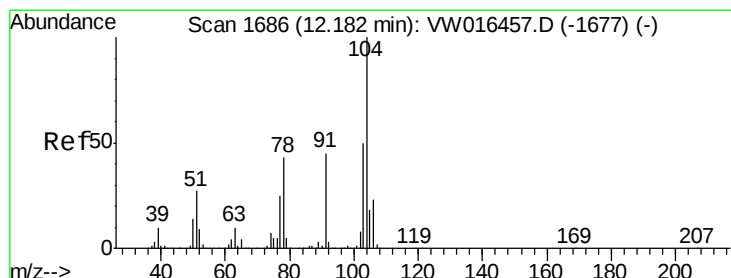
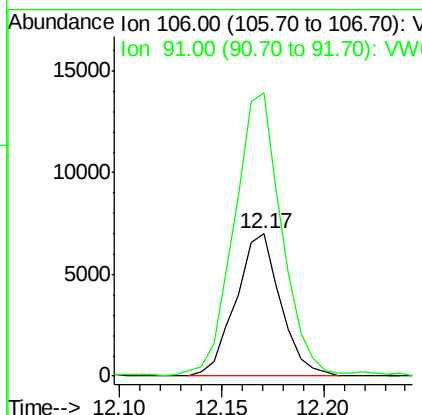
#55
o-xylene
Concen: 0.651 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016464.D
Acq: 04 Sep 2020 15:12

Tot Ion:106 Resp: 10666
Ion Ratio Lower Upper
106 100
91 199.0 144.3 267.9

Instrument :
MSVOA_W
ClientSampled :
MDL06

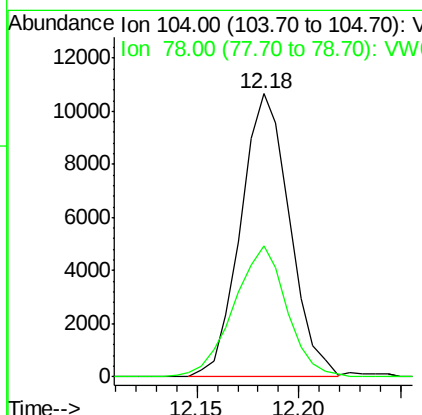
Manual Integrations
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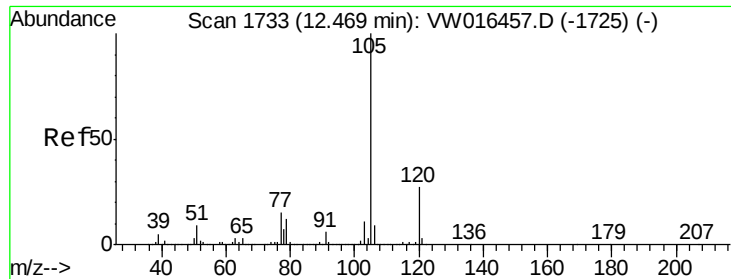
MMDadoda
9/8/2020 10:14:54 AM



#56
Styrene
Concen: 0.632 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016464.D
Acq: 04 Sep 2020 15:12

Tgt Ion:104 Resp: 17799
Ion Ratio Lower Upper
104 100
78 46.1 32.8 61.0





#57

Isopropylbenzene

Concen: 0.715 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

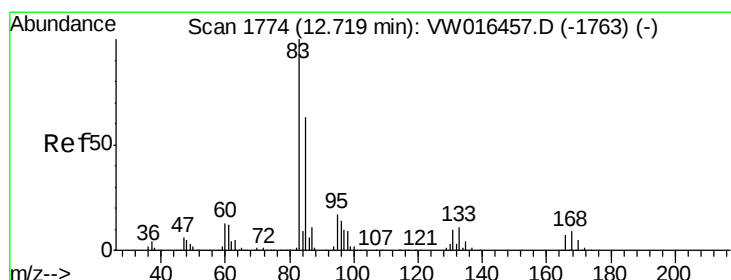
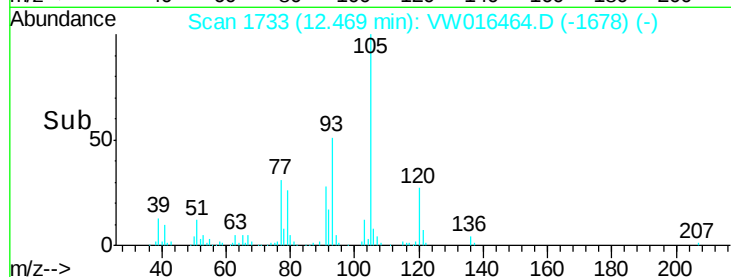
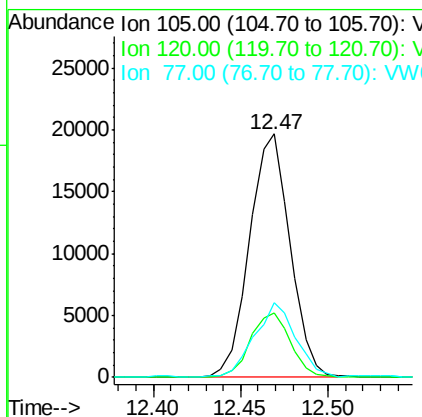
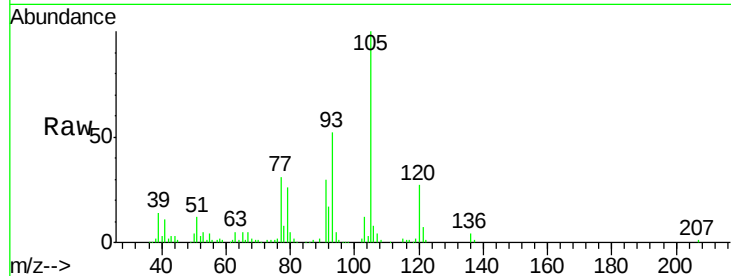
ClientSampled :

MDL06

Tot Ion:	105	Resp:	32070
Ion Ratio	Lower	Upper	
105	100		
120	26.3	21.9	32.9
77	31.4	13.0	19.6#

Manual Integrations
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MMDadoda
9/8/2020 10:14:54 AM



#58

1,1,2,2-Tetrachloroethane

Concen: 0.827 ug/L

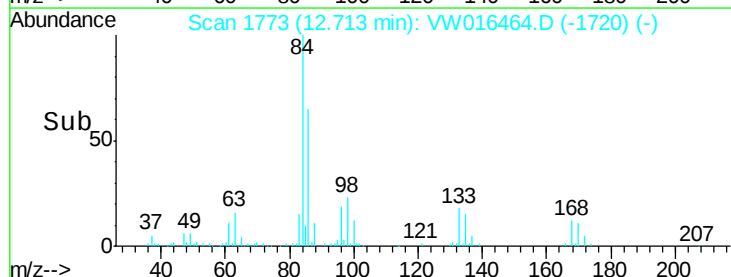
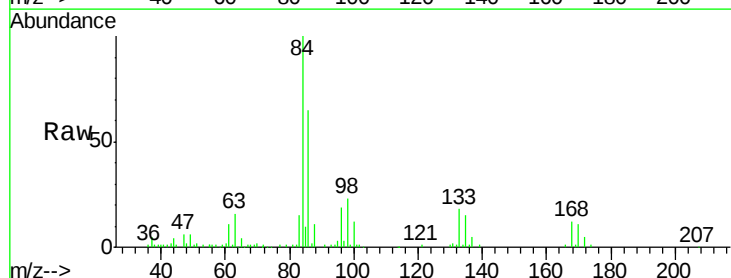
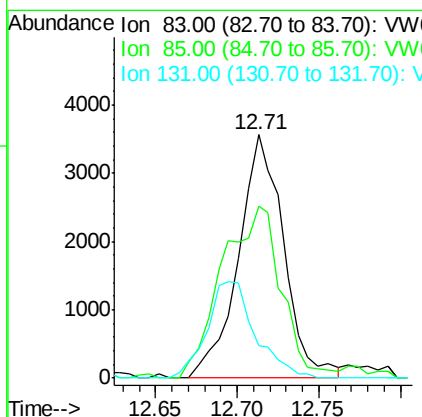
RT: 12.71 min Scan# 1773

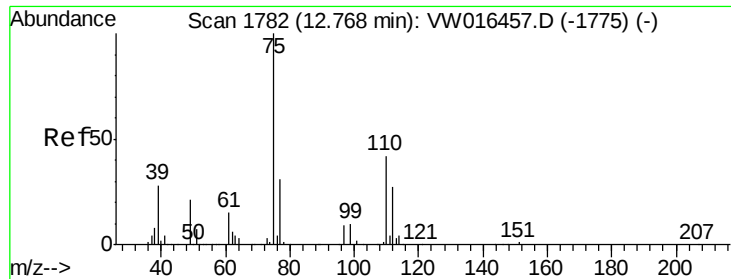
Delta R.T. -0.01 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Tgt Ion:	83	Resp:	6896
Ion Ratio	Lower	Upper	
83	100		
85	70.8	45.3	84.1
131	13.2	8.7	13.1#





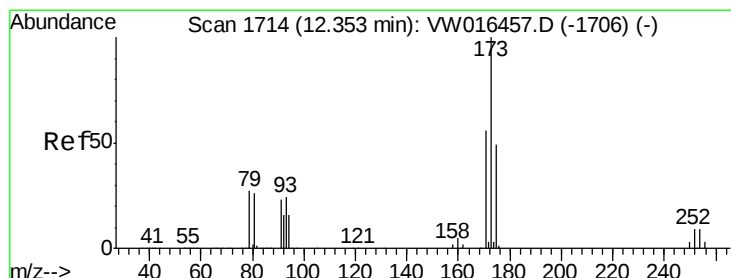
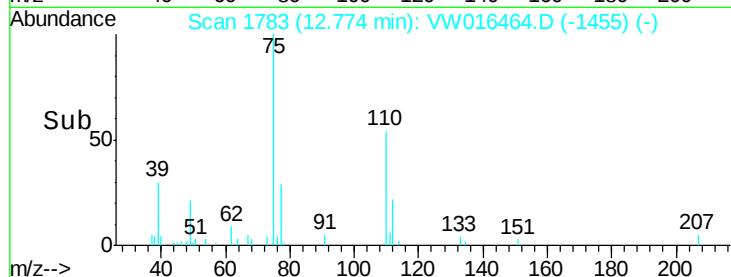
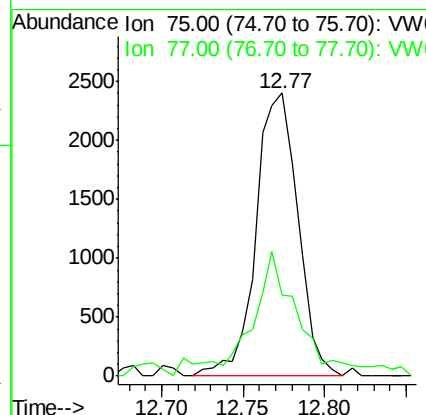
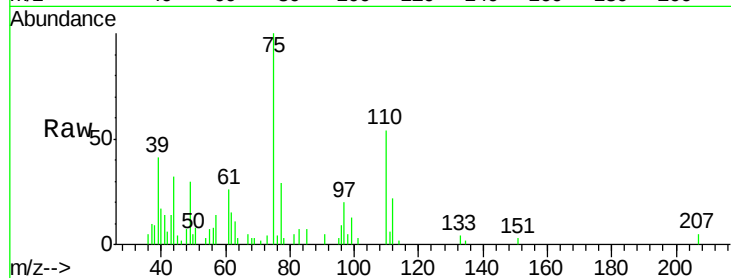
#59
 1,2,3-Trichloropropane
 Concen: 0.687 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Instrument :
 MSVOA_W
 ClientSampled :
 MDL06

Tot Ion: 75 Resp: 4282
 Ion Ratio Lower Upper
 75 100
 77 33.7 26.0 39.0

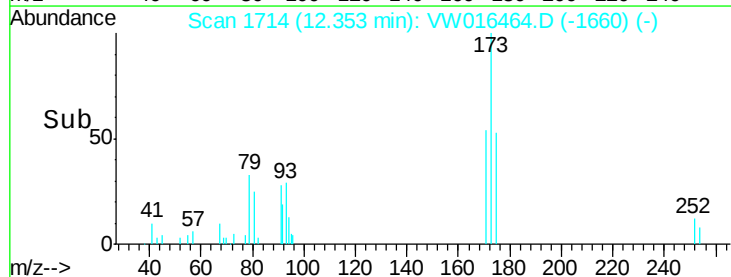
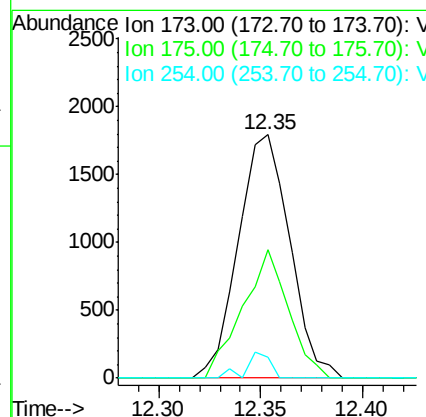
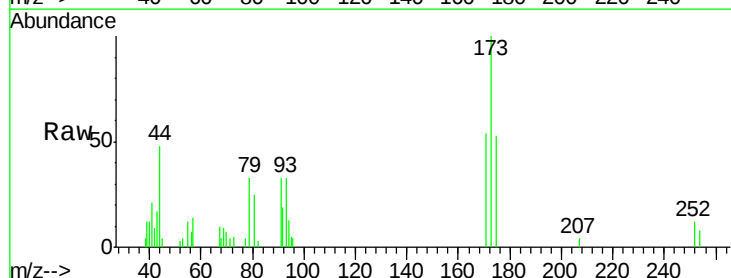
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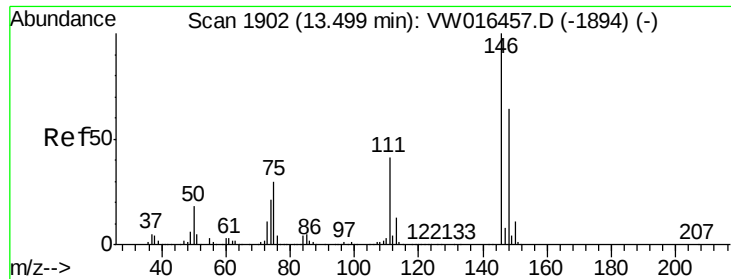
MMDadoda
 9/8/2020 10:14:54 AM



#62
 Bromoform
 Concen: 0.621 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Tgt Ion: 173 Resp: 3141
 Ion Ratio Lower Upper
 173 100
 175 47.4 39.2 58.8
 254 4.0 5.8 8.6#





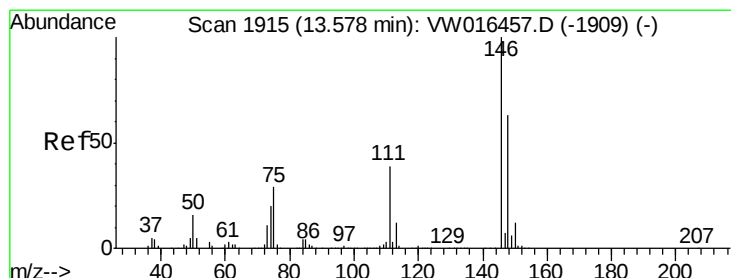
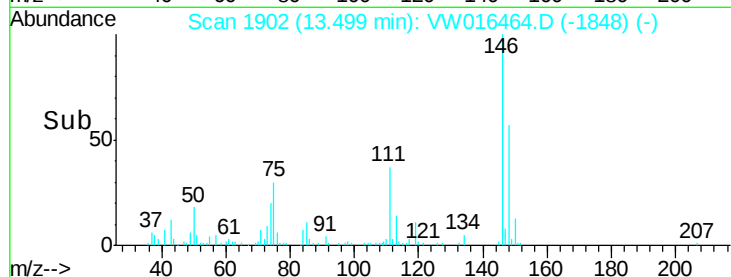
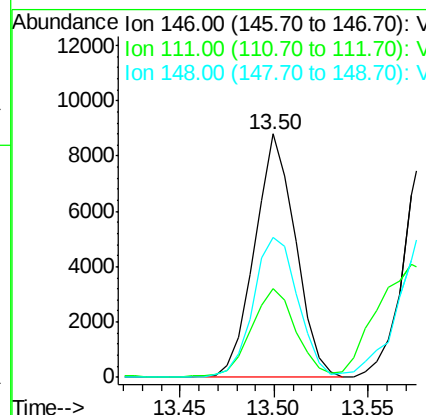
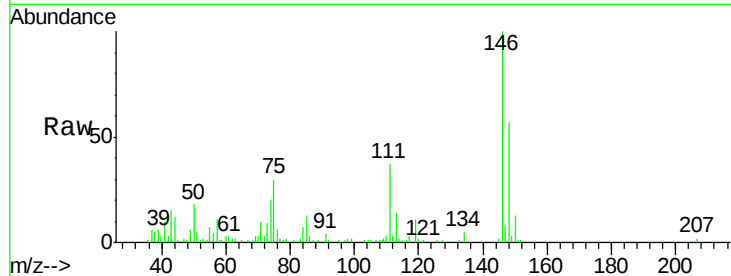
#63
 1,3-Dichlorobenzene
 Concen: 0.699 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	26.5	49.3
148	57.4	41.3	76.7

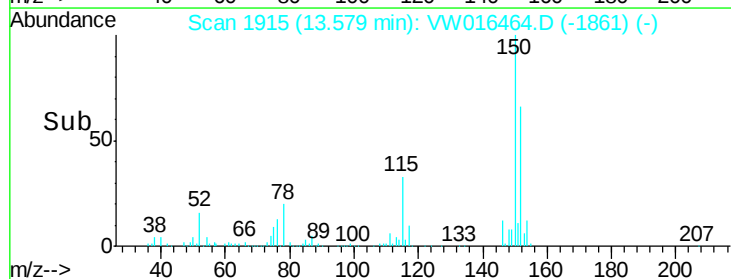
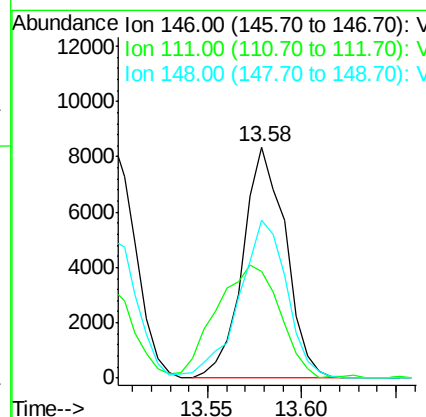
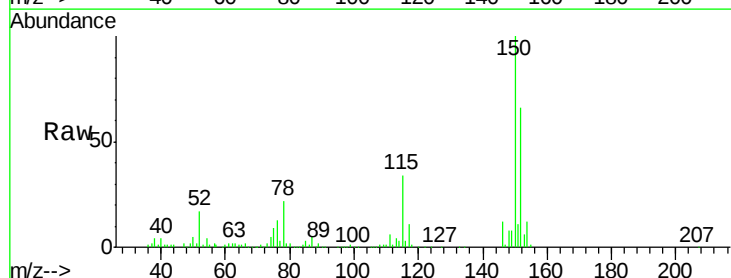
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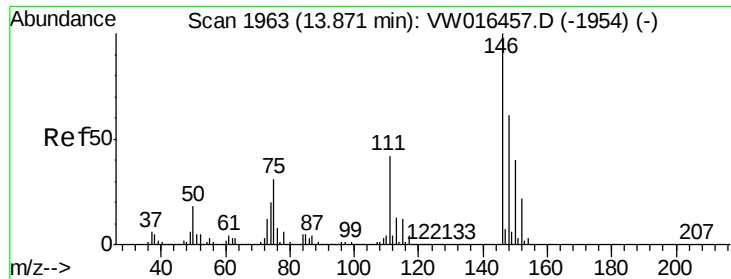
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 9/8/2020 10:14:54 AM



#64
 1,4-Dichlorobenzene
 Concen: 0.700 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.0	26.4	49.0
148	68.3	45.1	83.9





#65

1,2-Dichlorobenzene

Concen: 0.704 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

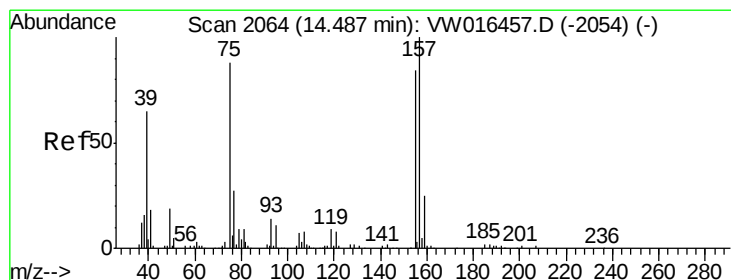
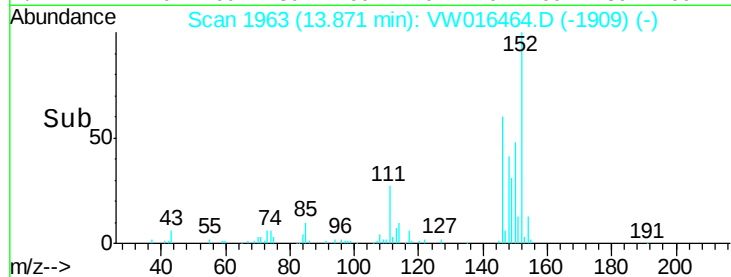
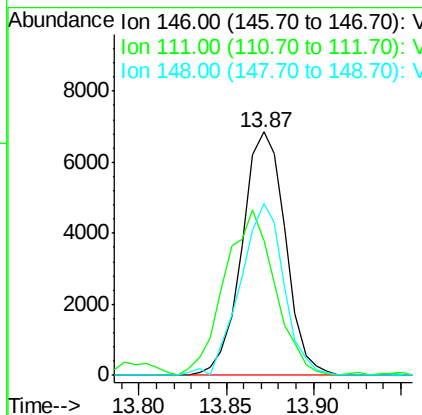
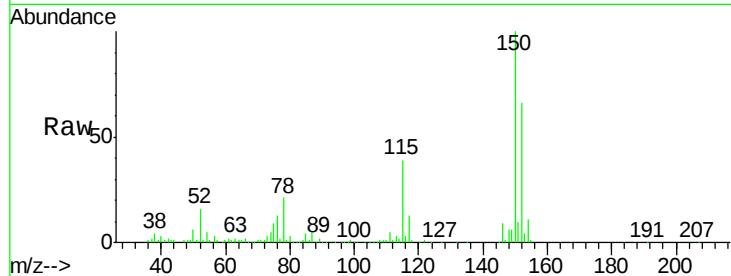
ClientSampleId :

MDL06

Tot Ion:	146	Resp:	11863
Ion	Ratio	Lower	Upper
146	100		
111	55.3	35.3	52.9#
148	70.8	49.8	74.8

Manual Integrations
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#66

1,2-Dibromo-3-chloropropane

Concen: 0.741 ug/L

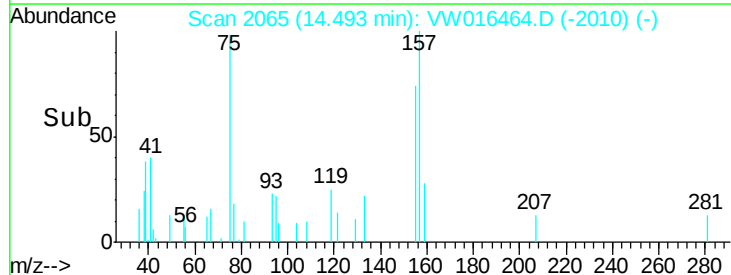
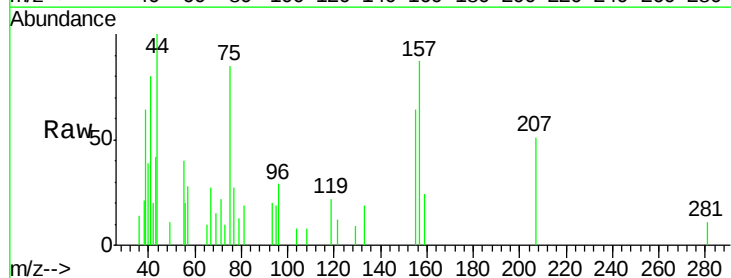
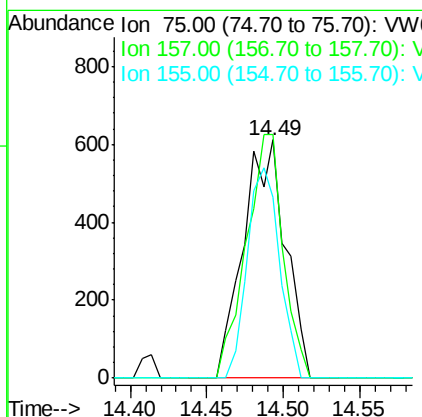
RT: 14.49 min Scan# 2065

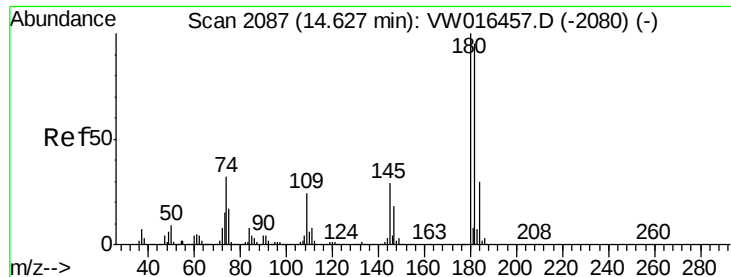
Delta R.T. 0.01 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Tgt Ion:	75	Resp:	1164
Ion	Ratio	Lower	Upper
75	100		
157	102.1	91.4	137.0
155	75.8	71.3	106.9





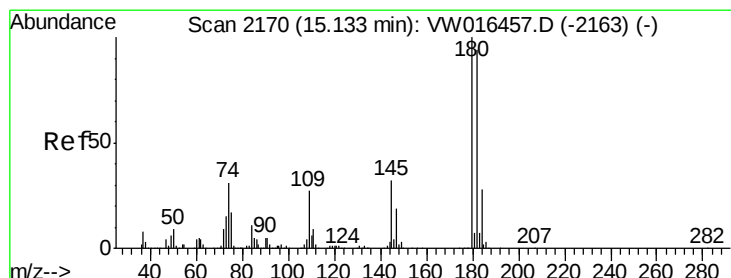
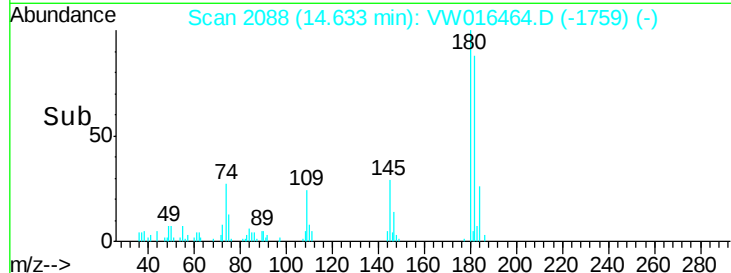
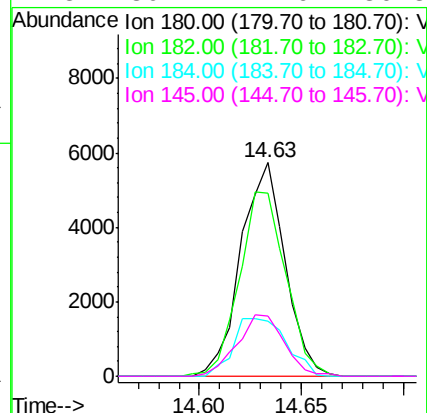
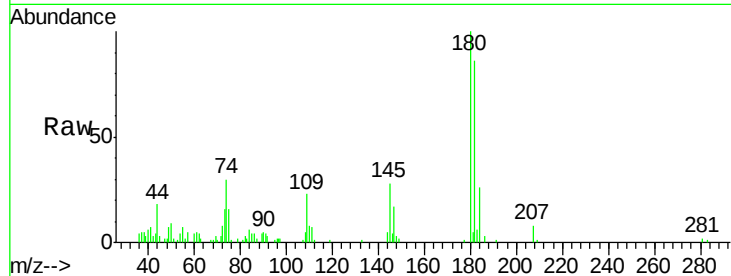
#67
 1,3,5-Trichlorobenzene
 Concen: 0.661 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Resp	Lower	Upper
180	100	8646		
182	91.1		75.8	113.8
184	32.8		24.2	36.2
145	30.7		24.6	36.8

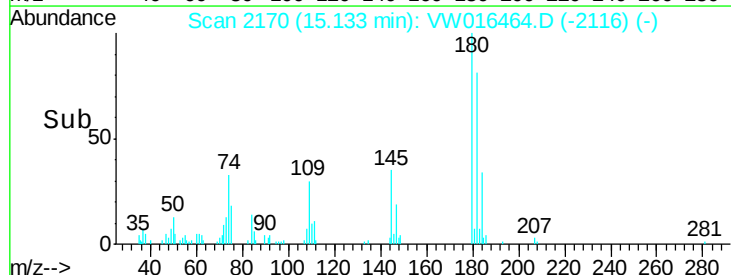
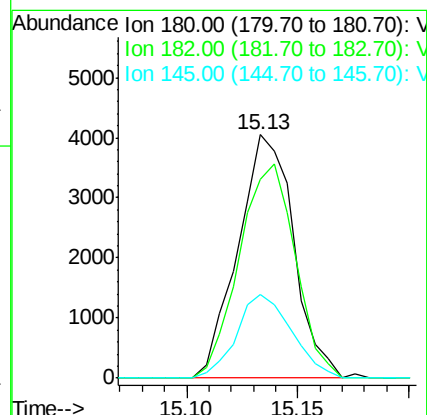
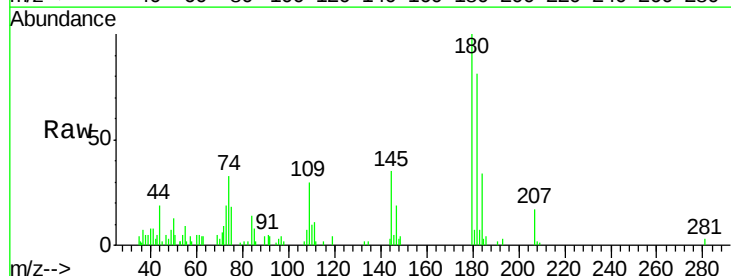
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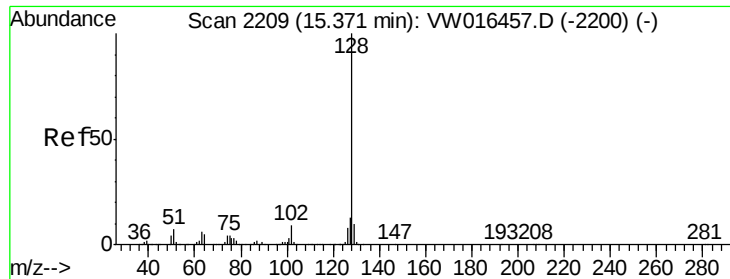
MMDadoda
 9/8/2020 10:14:54 AM



#68
 1,2,4-trichlorobenzene
 Concen: 0.622 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016464.D
 Acq: 04 Sep 2020 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	7036		
182	88.7		78.5	117.7
145	34.2		25.6	38.4





#69

Naphthalene

Concen: 0.532 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Instrument :

MSVOA_W

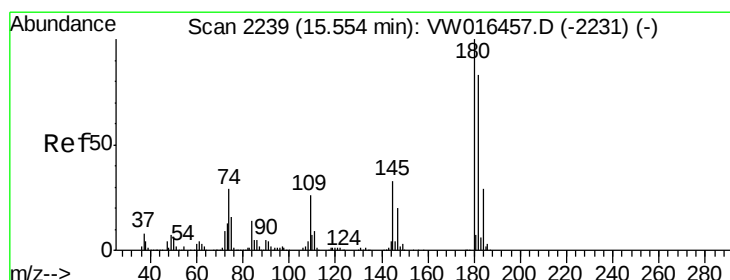
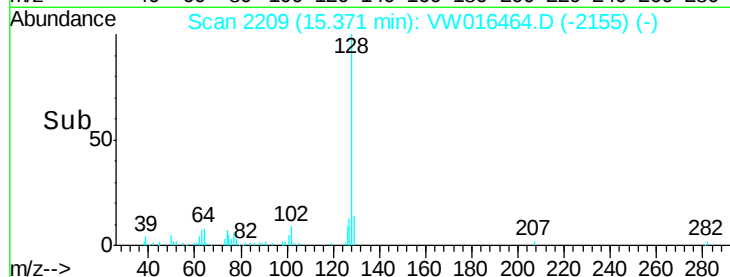
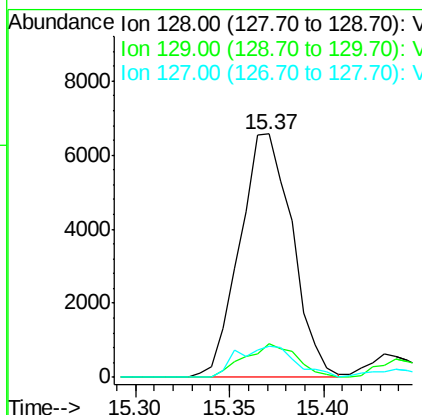
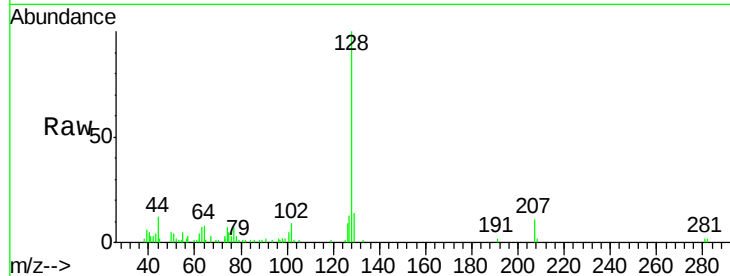
ClientSampleId :

MDL06

Tot Ion:	128	Resp:	12695
Ion Ratio	Lower	Upper	
128	100		
129	13.8	8.7	13.1#
127	9.9	10.5	15.7#

Manual Integrations
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#70

1,2,3-Trichlorobenzene

Concen: 0.588 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016464.D

Acq: 04 Sep 2020 15:12

Tgt Ion:	180	Resp:	5713
Ion Ratio	Lower	Upper	
180	100		
182	90.3	76.1	114.1
145	35.6	28.1	42.1

