

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022521\
 Data File : VW018238.D
 Acq On : 25 Feb 2021 10:31
 Operator : SY/VA
 Sample : M1344-04
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT2-2021-04

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:00:50 AM

Quant Time: Feb 26 07:03:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Feb 26 07:02:23 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	437715	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	403793	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	206021	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	113907	23.55	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	94.20%		
7) Chloroethane-d5	2.891	69	87688	23.14	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	92.56%		
11) 1,1-Dichloroethene-d2	4.019	63	173188	17.64	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	70.56%		
21) 2-Butanone-d5	7.080	46	57447	54.64	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	109.28%		
24) Chloroform-d	7.647	84	235462	22.16	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	88.64%		
26) 1,2-Dichloroethane-d4	8.305	65	125375	23.65	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	94.60%		
32) Benzene-d6	8.275	84	480673	22.86	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	91.44%		
36) 1,2-Dichloropropane-d6	9.274	67	133081	22.80	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	91.20%		
41) Toluene-d8	10.323	98	454902	22.59	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	90.36%		
43) trans-1,3-Dichloroprop...	10.579	79	60208	22.87	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	91.48%		
47) 2-Hexanone-d5	10.920	63	49471	53.46	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	106.92%		
56) 1,1,2,2-Tetrachloroeth...	12.688	84	116995	24.55	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	98.20%		
66) 1,2-Dichlorobenzene-d4	13.853	152	168614	22.37	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	89.48%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.007	85	4538	0.87	ug/L #	86
3) Chloromethane	2.215	50	4447	1.11	ug/L	97
5) Vinyl chloride	2.367	62	6388	1.11	ug/L #	54
6) Bromomethane	2.788	94	4275	1.07	ug/L	98
8) Chloroethane	2.922	64	3485	1.09	ug/L	90
9) Trichlorofluoromethane	3.263	101	3930	0.96	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	4.074	101	7821	1.40	ug/L #	79
12) 1,1-Dichloroethene	4.050	96	7265	1.34	ug/L #	1
13) Acetone	4.123	43	2538	3.58	ug/L	83
14) Carbon disulfide	4.397	76	16212	0.98	ug/L #	93
15) Methyl Acetate	4.690	43	2330	1.26	ug/L	94
16) Methylene chloride	4.921	84	13182	2.22	ug/L	89
17) trans-1,2-Dichloroethene	5.428	96	5987	1.04	ug/L	86
18) Methyl tert-butyl Ether	5.421	73	6163	1.07	ug/L #	70
19) 1,1-Dichloroethane	6.214	63	9118	1.01	ug/L	92
20) cis-1,2-Dichloroethene	7.171	96	6174	1.03	ug/L	78
22) 2-Butanone	7.177	43	3144	2.79	ug/L	85
23) Bromochloromethane	7.519	128	2950	1.03	ug/L #	72
25) Chloroform	7.677	83	10375	1.05	ug/L	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

27) 1,2-Dichloroethane	8.396	62	6655	1.12	ug/L	98
29) Cyclohexane	7.951	56	8575	1.06	ug/L	96
30) 1,1,1-Trichloroethane	7.872	97	8591	1.06	ug/L #	74
31) Carbon tetrachloride	8.067	117	8287	1.05	ug/L	100
33) Benzene	8.323	78	22717	1.05	ug/L	100
34) Trichloroethene	9.091	95	6481	1.08	ug/L	91
35) Methylcyclohexane	9.335	83	10102	1.01	ug/L	98
37) 1,2-Dichloropropane	9.372	63	5149	1.03	ug/L	99
38) Bromodichloromethane	9.646	83	6957	1.00	ug/L #	98
39) cis-1,3-Dichloropropene	10.073	75	7869	0.99	ug/L	100
40) 4-Methyl-2-pentanone	10.207	43	5733	2.27	ug/L #	88
42) Toluene	10.390	91	25038	1.05	ug/L	89
45) 1,1,2-Trichloroethane	10.786	97	4572	1.12	ug/L	94
46) Tetrachloroethene	10.859	164	5942	1.11	ug/L	92
48) 2-Hexanone	10.969	43	4427	2.56	ug/L #	88
49) Dibromochloromethane	11.128	129	4856	0.96	ug/L	97
50) 1,2-Dibromoethane	11.231	107	4466	1.12	ug/L #	86
51) Chlorobenzene	11.652	112	16793	1.06	ug/L	96
52) Ethylbenzene	11.731	91	27543	1.03	ug/L	96
53) m,p-Xylene	11.841	106	11175	1.07	ug/L	88
54) o-Xylene	12.164	106	9890	1.00	ug/L	91
55) Styrene	12.182	104	15718	0.95	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.713	83	5633	1.23	ug/L #	97
59) Bromoform	12.347	173	2972	1.01	ug/L	92
60) Isopropylbenzene	12.463	105	26632	0.99	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	3985	1.18	ug/L #	83
62) 1,3,5-Trimethylbenzene	12.944	105	21406	0.95	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	20982	0.93	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	13702	1.06	ug/L	97
65) 1,4-Dichlorobenzene	13.578	146	14178	1.09	ug/L	95
67) 1,2-Dichlorobenzene	13.865	146	12826	1.11	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.487	75	945m	1.29	ug/L	
69) 1,3,5-Trichlorobenzene	14.627	180	10012	1.01	ug/L	90
70) 1,2,4-trichlorobenzene	15.133	180	9283	1.13	ug/L	95
71) Naphthalene	15.359	128	15407	1.07	ug/L	99
72) 1,2,3-Trichlorobenzene	15.554	180	8146	1.13	ug/L	96

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

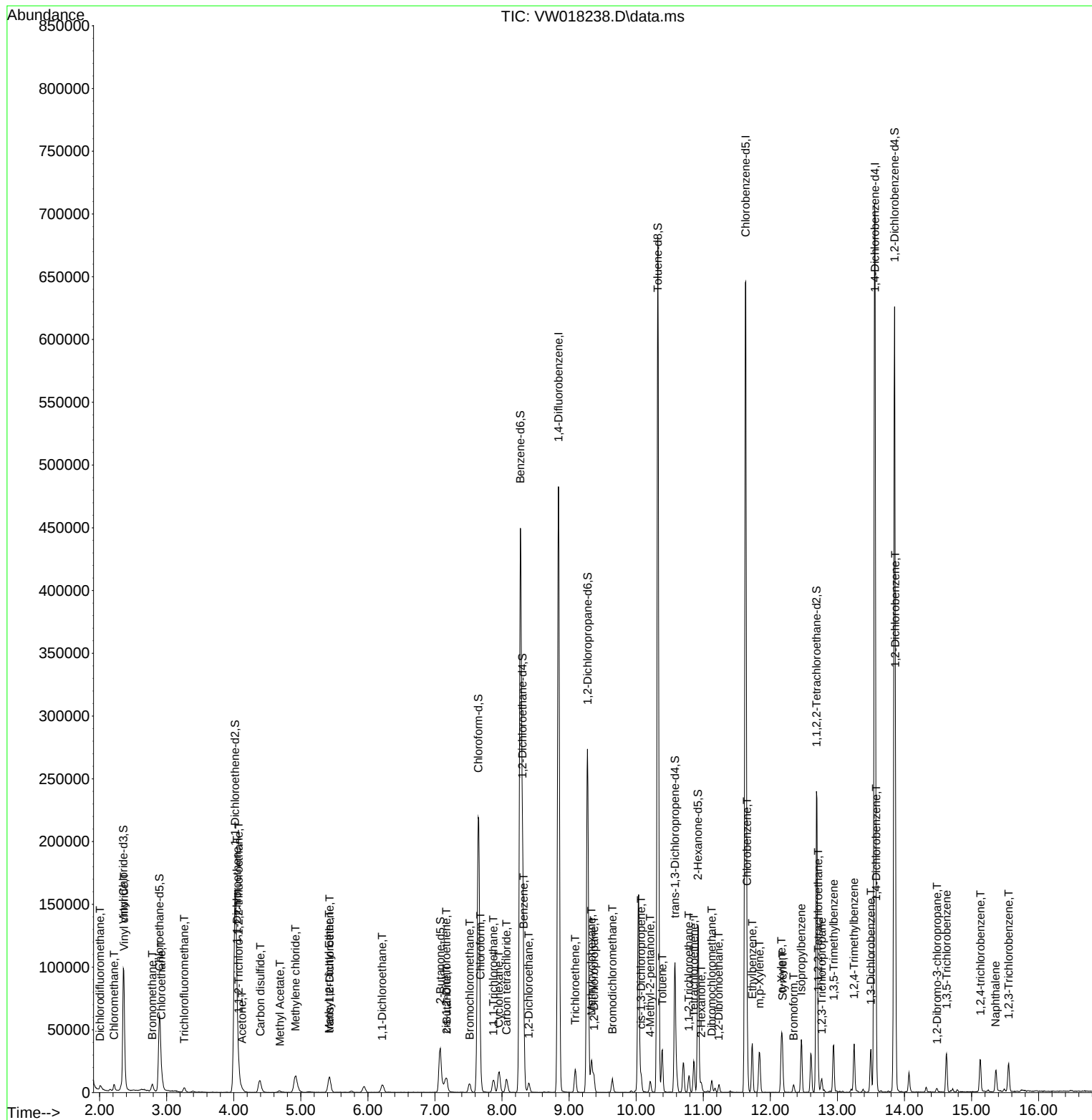
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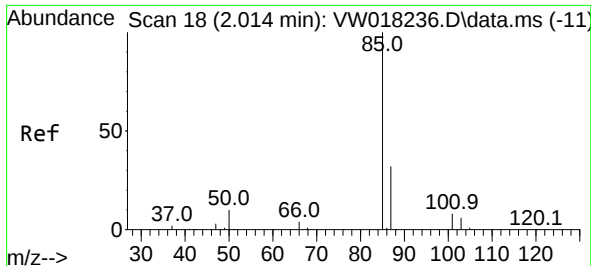
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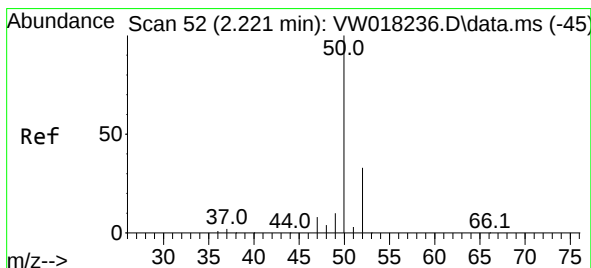
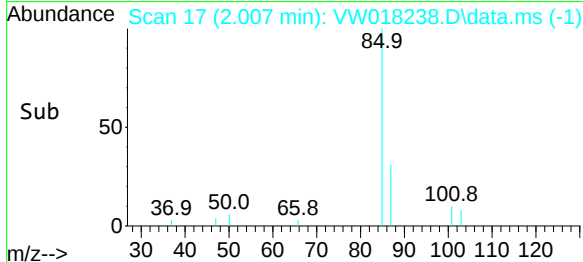
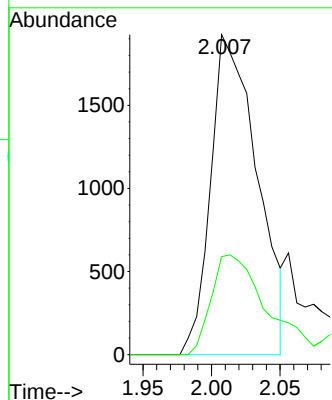
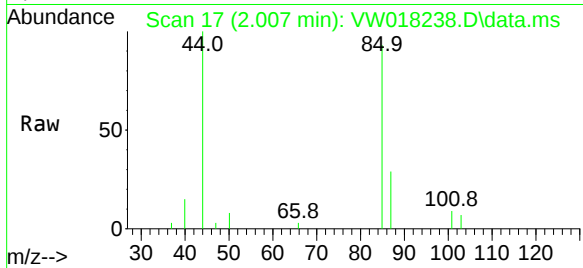
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Dichlorodifluoromethane
Concen: 0.87 ug/L
RT: 2.007 min Scan# 17
Delta R.T. -0.007 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 85 Resp: 4538
Ion Ratio Lower Upper
85 100
87 36.6 23.3 34.9#

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

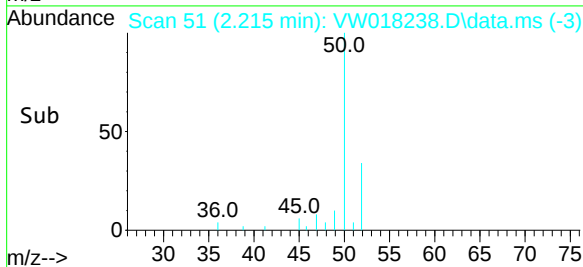
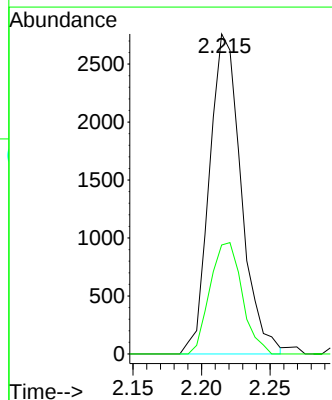
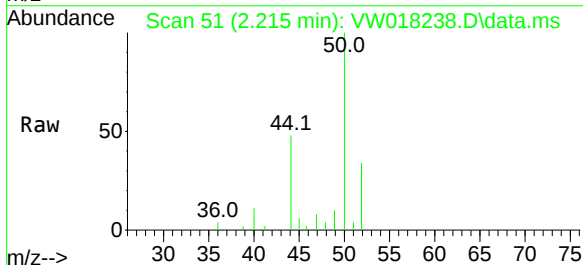
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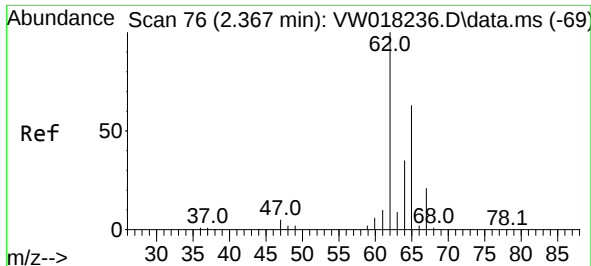
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#3
Chloromethane
Concen: 1.11 ug/L
RT: 2.215 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

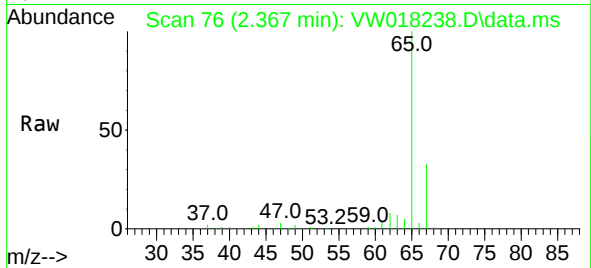
Tgt Ion: 50 Resp: 4447
Ion Ratio Lower Upper
50 100
52 34.1 22.5 41.9





#5
 Vinyl chloride
 Concen: 1.11 ug/L
 RT: 2.367 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VW018238.D
 Acq: 25 Feb 2021 10:31

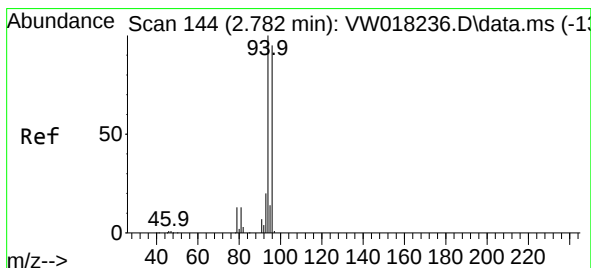
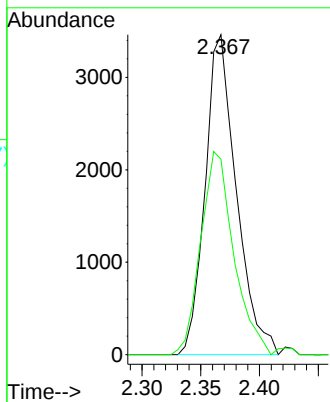
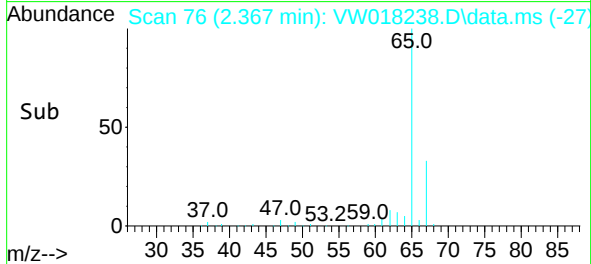
Instrument :
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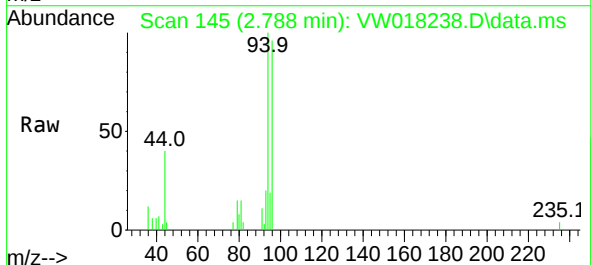
Tgt Ion: 62 Resp: 6388
 Ion Ratio Lower Upper
 62 100
 64 61.0 24.2 45.0#

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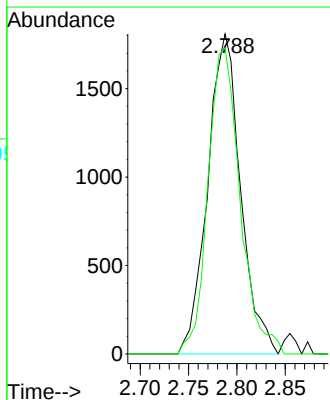
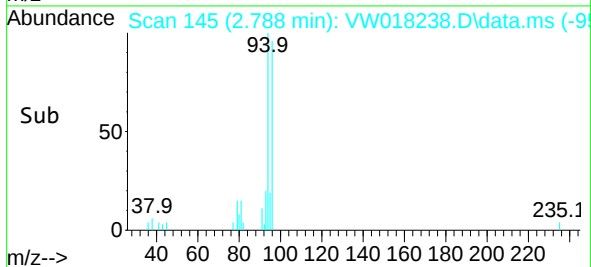
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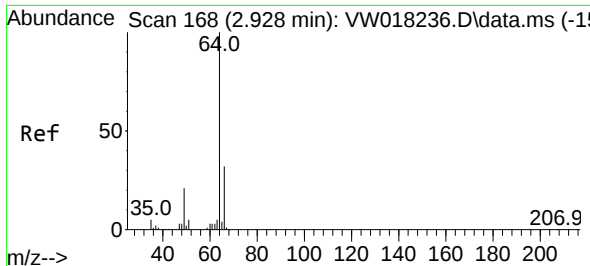


#6
 Bromomethane
 Concen: 1.07 ug/L
 RT: 2.788 min Scan# 145
 Delta R.T. 0.006 min
 Lab File: VW018238.D
 Acq: 25 Feb 2021 10:31



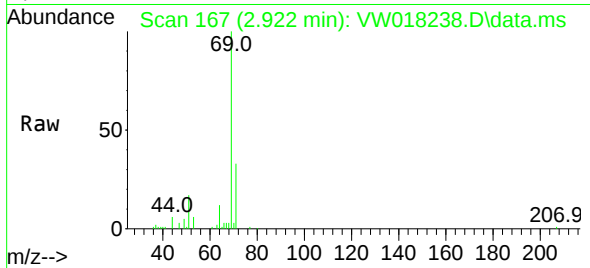
Tgt Ion: 94 Resp: 4275
 Ion Ratio Lower Upper
 94 100
 96 95.6 65.3 121.3





#8
Chloroethane
Concen: 1.09 ug/L
RT: 2.922 min Scan# 167
Delta R.T. -0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

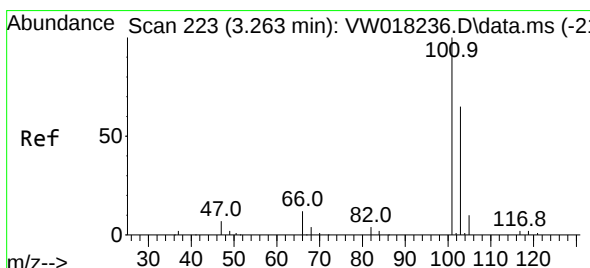
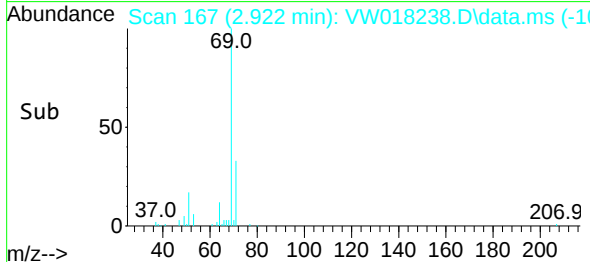
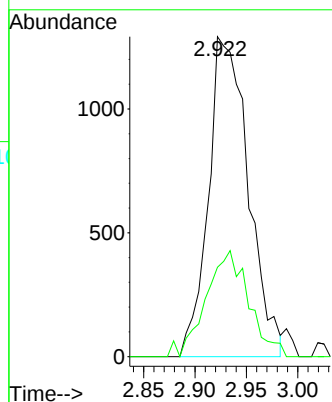
Instrument :
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Tgt Ion: 64 Resp: 3485
Ion Ratio Lower Upper
64 100
66 27.9 23.4 43.6

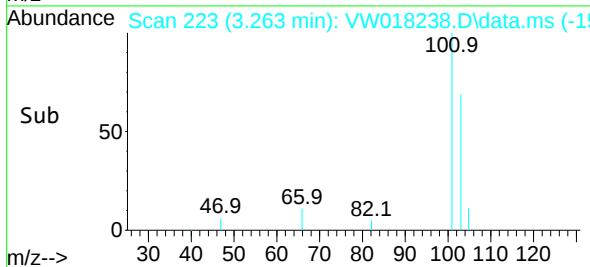
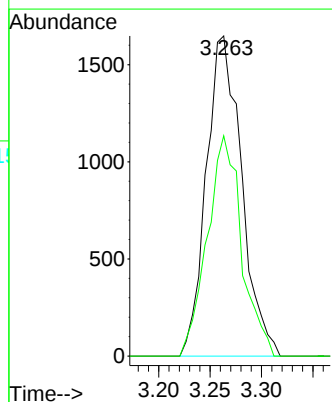
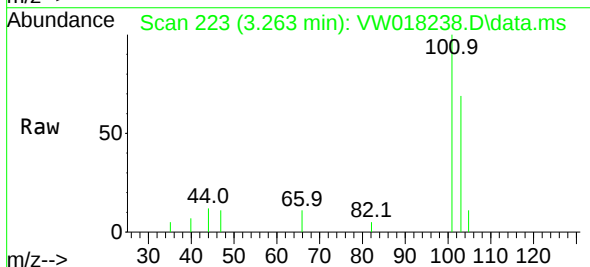
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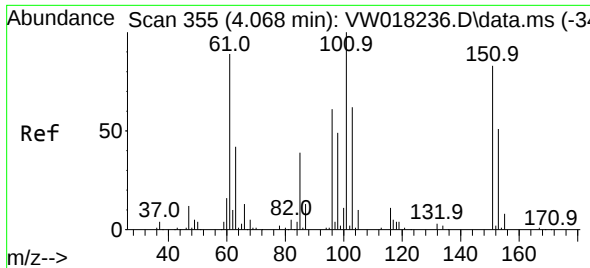
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3/1/2021 10:00:50 AM



#9
Trichlorofluoromethane
Concen: 0.96 ug/L
RT: 3.263 min Scan# 223
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 101 Resp: 3930
Ion Ratio Lower Upper
101 100
103 66.8 51.0 76.4





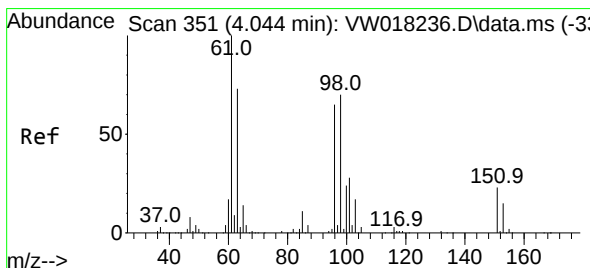
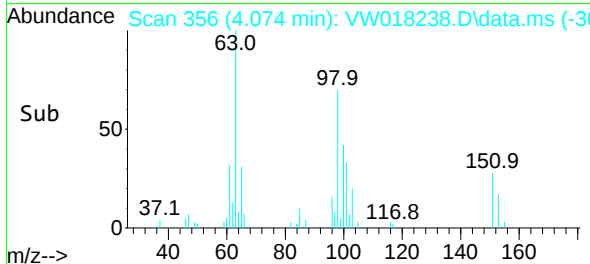
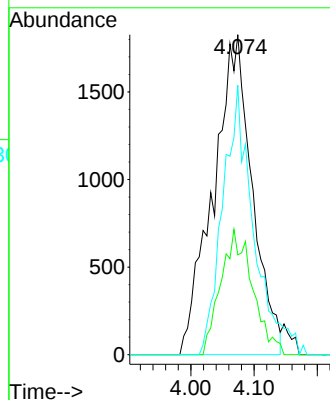
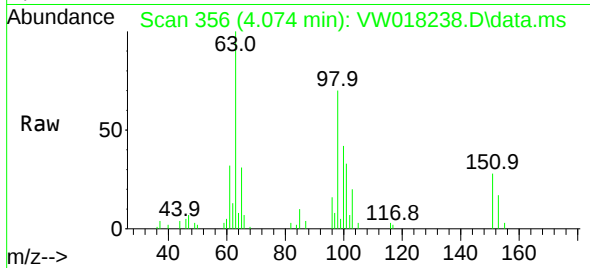
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 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.40 ug/L
 RT: 4.074 min Scan# 356
 Delta R.T. 0.006 min
 Lab File: VW018238.D
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Tgt Ion:101 Resp: 7821
 Ion Ratio Lower Upper
 101 100
 85 17.6 38.2 57.2#
 151 66.4 56.6 85.0

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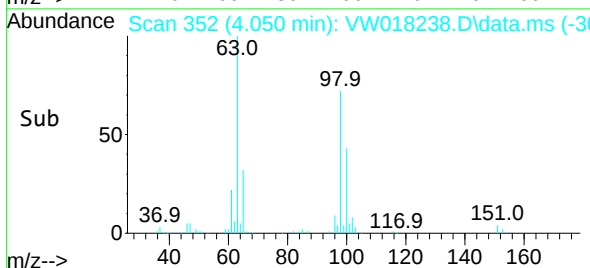
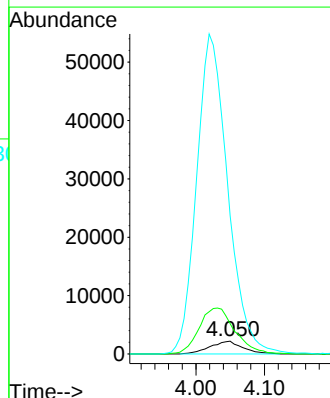
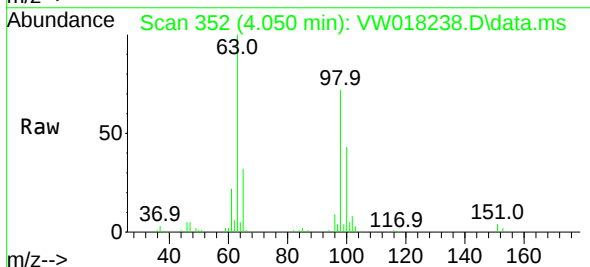
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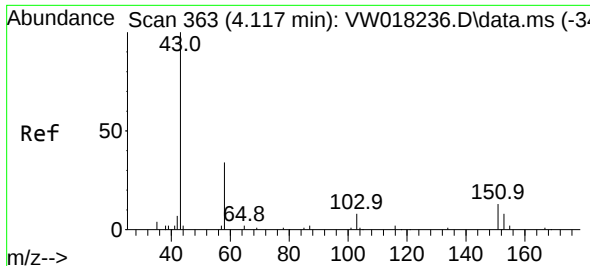
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 3/1/2021 10:00:50 AM



#12
 1,1-Dichloroethene
 Concen: 1.34 ug/L
 RT: 4.050 min Scan# 352
 Delta R.T. 0.006 min
 Lab File: VW018238.D
 Acq: 25 Feb 2021 10:31

Tgt Ion: 96 Resp: 7265
 Ion Ratio Lower Upper
 96 100
 61 238.3 118.1 219.3#
 63 1085.5 83.7 155.5#





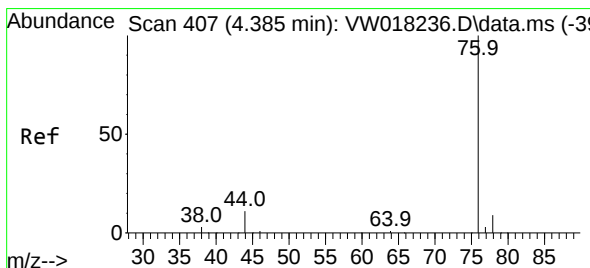
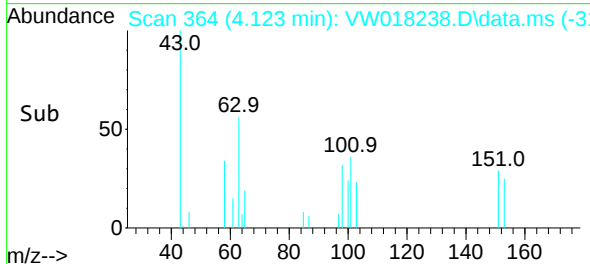
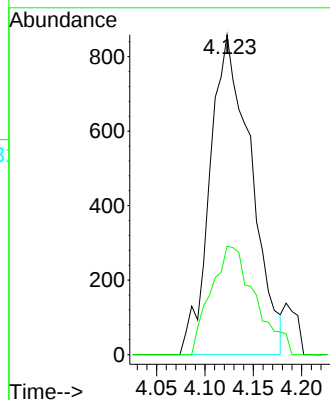
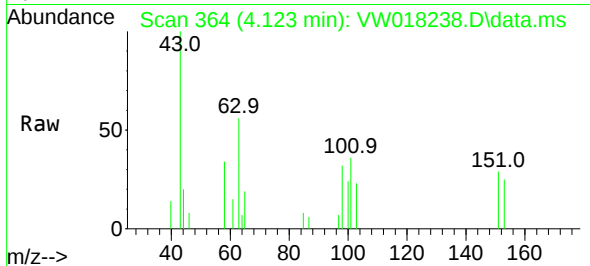
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Acetone
Concen: 3.58 ug/L
RT: 4.123 min Scan# 364
Delta R.T. 0.006 min
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Tgt Ion: 43 Resp: 2538
Ion Ratio Lower Upper
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58 35.6 0.0 53.8

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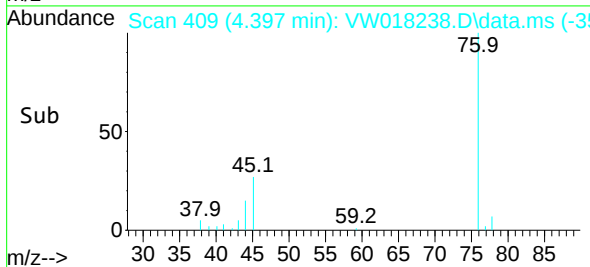
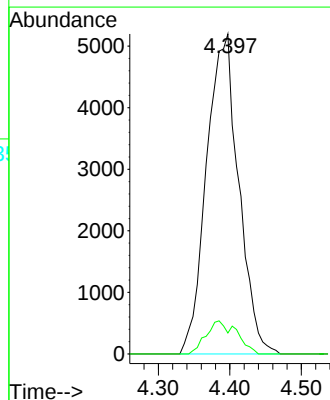
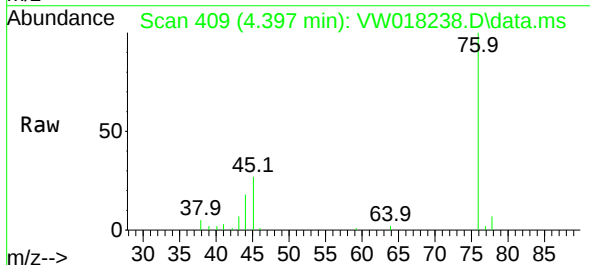
Manual Integrations
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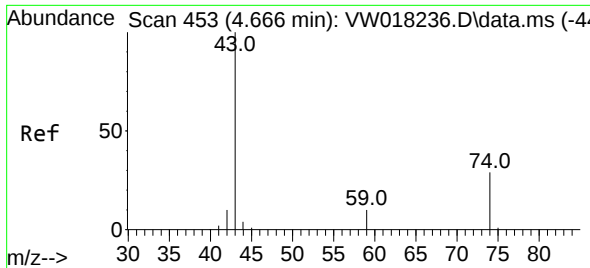
MMDadoda
3/1/2021 10:00:50 AM



#14
Carbon disulfide
Concen: 0.98 ug/L
RT: 4.397 min Scan# 409
Delta R.T. 0.012 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 76 Resp: 16212
Ion Ratio Lower Upper
76 100
78 6.5 7.4 11.0#





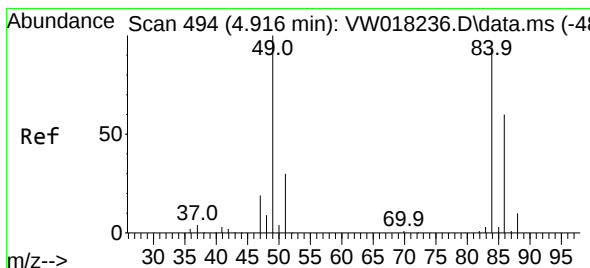
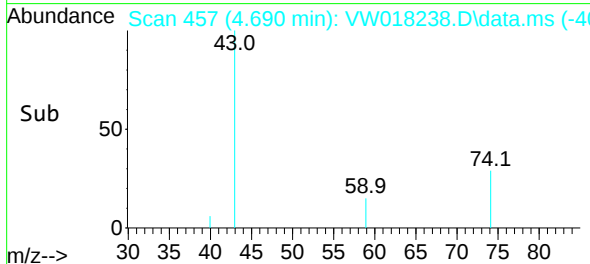
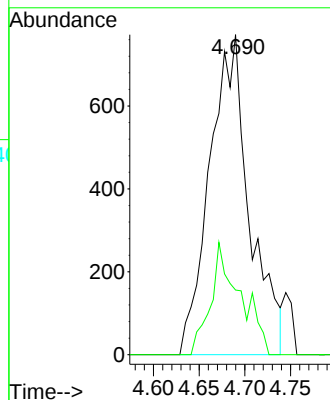
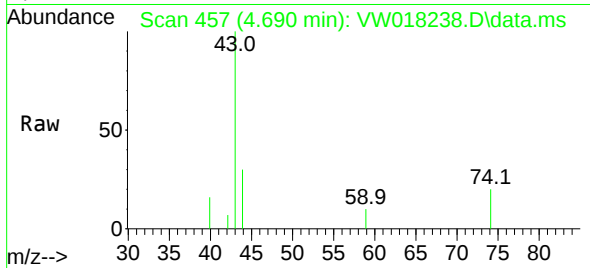
#15
Methyl Acetate
Concen: 1.26 ug/L
RT: 4.690 min Scan# 457
Delta R.T. 0.024 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 43 Resp: 2330
Ion Ratio Lower Upper
43 100
74 21.8 20.0 30.0

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

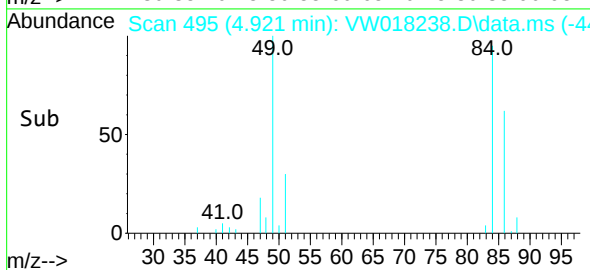
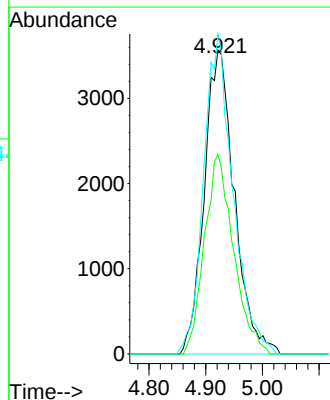
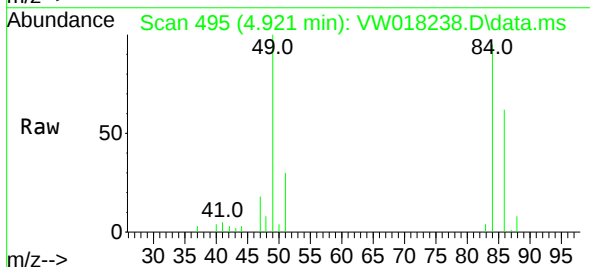
Manual Integrations
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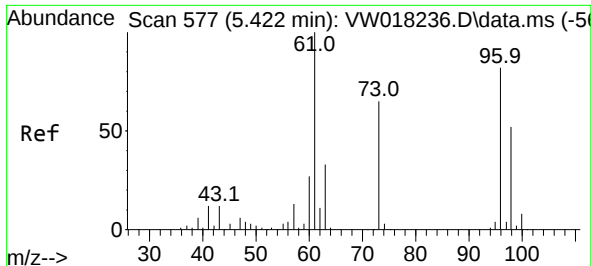
MMDadoda
3/1/2021 10:00:50 AM



#16
Methylene chloride
Concen: 2.22 ug/L
RT: 4.921 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 84 Resp: 13182
Ion Ratio Lower Upper
84 100
86 65.6 45.3 84.1
49 105.3 86.6 160.8





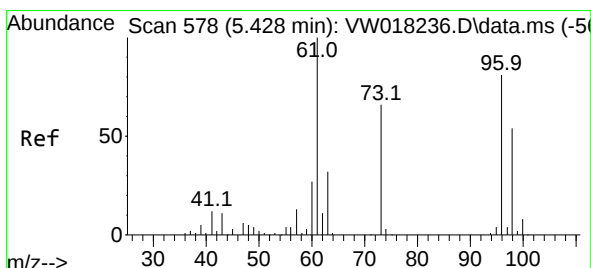
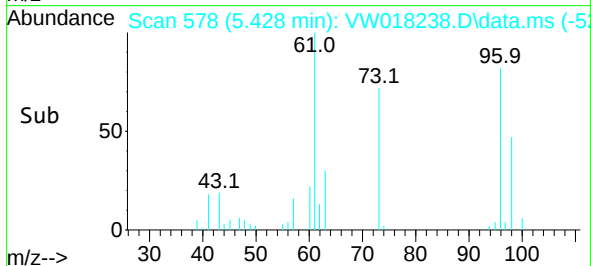
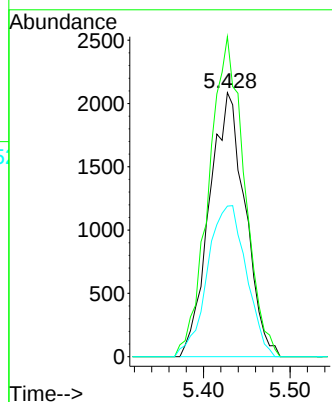
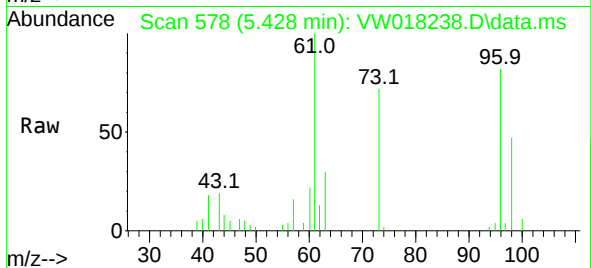
#17
trans-1,2-Dichloroethene
Concen: 1.04 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 96 Resp: 5987
Ion Ratio Lower Upper
96 100
61 121.2 98.3 182.7
98 57.1 46.1 85.7

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

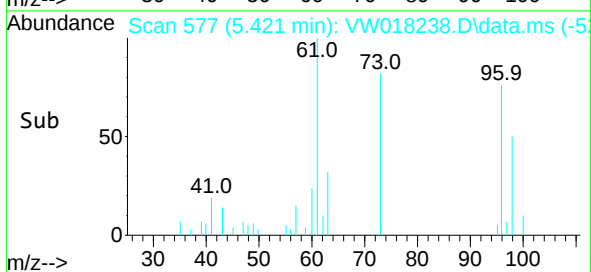
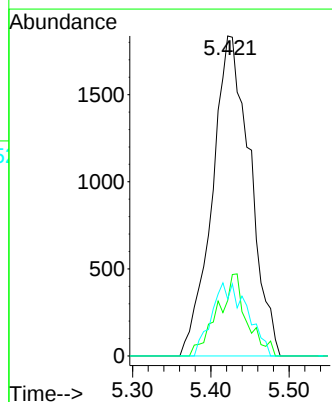
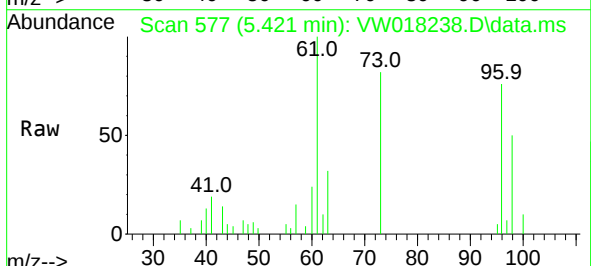
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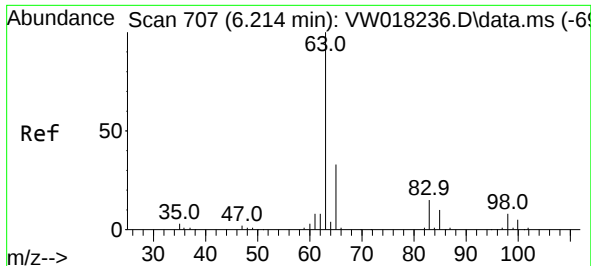
MMDadoda
3/1/2021 10:00:50 AM



#18
Methyl tert-butyl Ether
Concen: 1.07 ug/L
RT: 5.421 min Scan# 577
Delta R.T. -0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 73 Resp: 6163
Ion Ratio Lower Upper
73 100
43 4.4 17.7 26.5#
57 10.4 17.0 25.4#





#19

1,1-Dichloroethane

Concen: 1.01 ug/L

RT: 6.214 min Scan# 707

Delta R.T. -0.000 min

Lab File: VW018238.D

Acq: 25 Feb 2021 10:31

Tgt Ion:	63	Resp:	9118
Ion Ratio	Lower	Upper	
63	100		
65	27.1	22.9	42.5
83	16.0	10.2	19.0

Instrument :

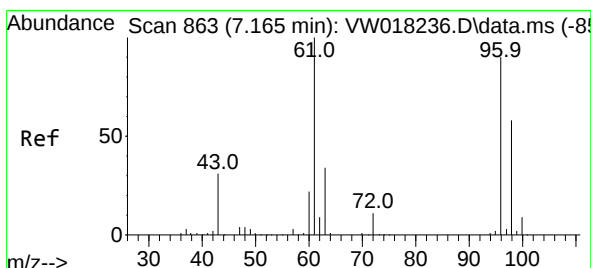
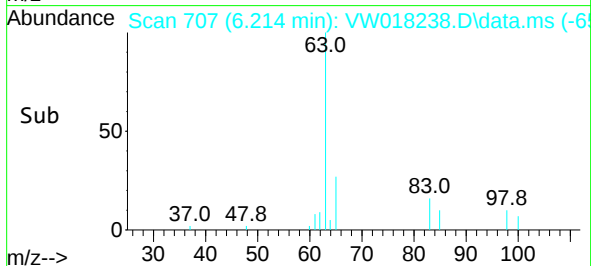
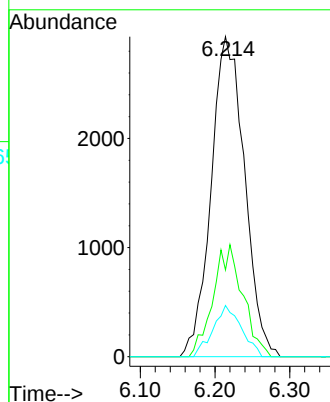
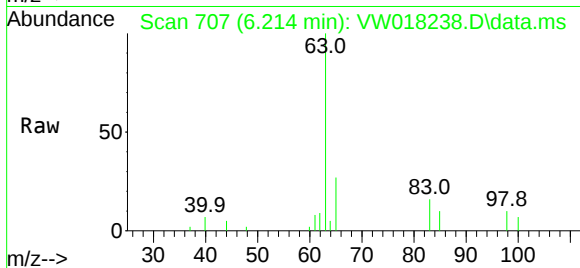
MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2021-04

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MMDadoda
3/1/2021 10:00:50 AM



#20

cis-1,2-Dichloroethene

Concen: 1.03 ug/L

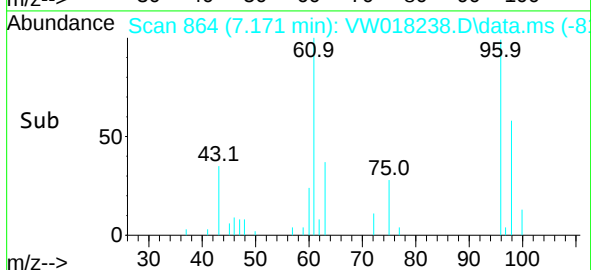
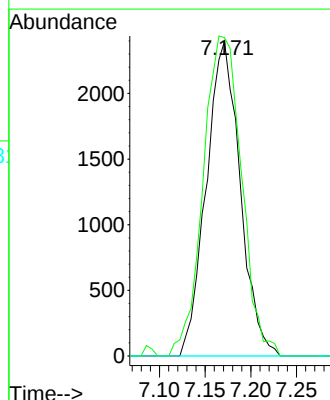
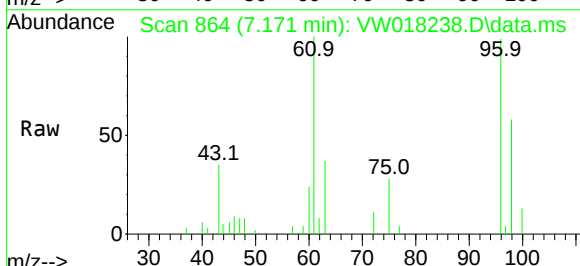
RT: 7.171 min Scan# 864

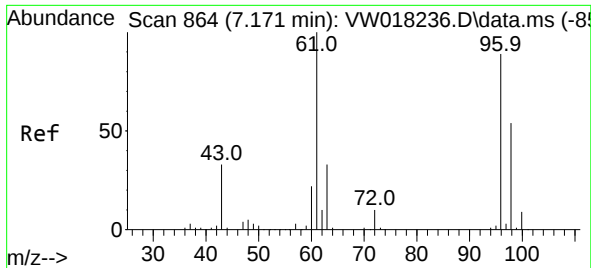
Delta R.T. 0.006 min

Lab File: VW018238.D

Acq: 25 Feb 2021 10:31

Tgt Ion:	96	Resp:	6174
Ion Ratio	Lower	Upper	
96	100		
61	101.2	88.5	164.3
68	0.0	0.0	0.0





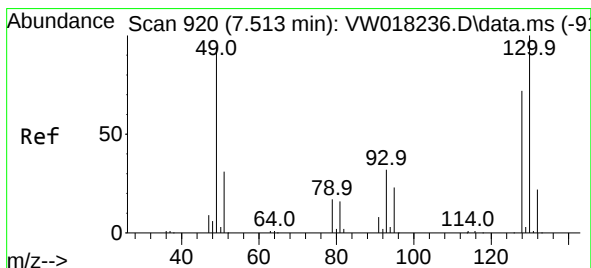
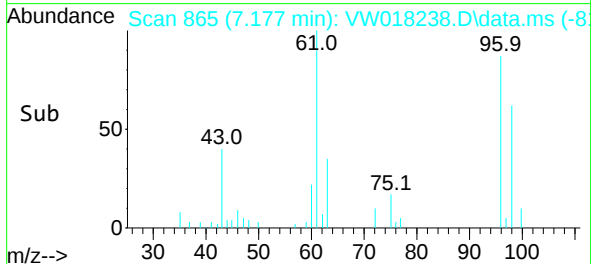
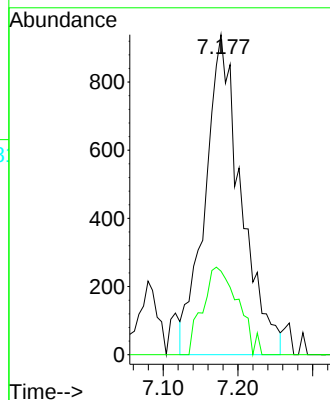
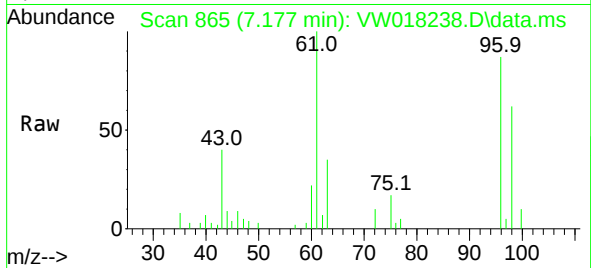
#22
2-Butanone
Concen: 2.79 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 43 Resp: 3144
Ion Ratio Lower Upper
43 100
72 21.9 14.9 44.7

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

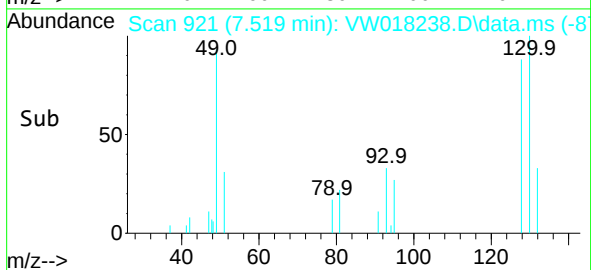
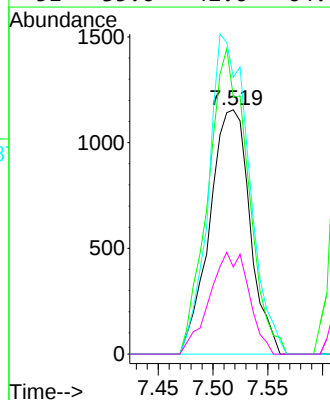
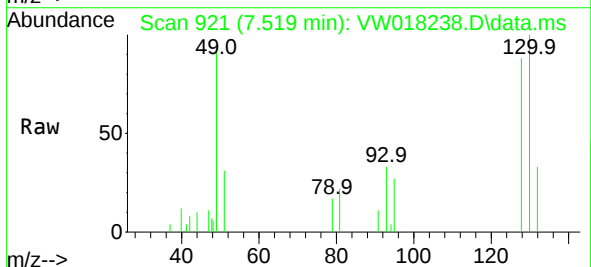
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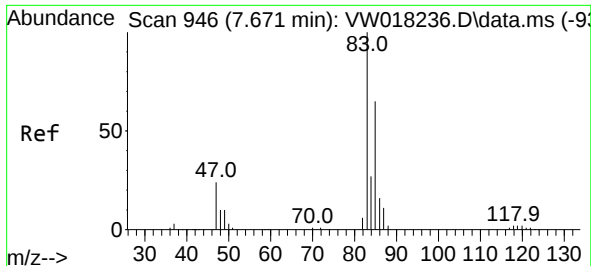
MMDadoda
3/1/2021 10:00:50 AM



#23
Bromochloromethane
Concen: 1.03 ug/L
RT: 7.519 min Scan# 921
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 128 Resp: 2950
Ion Ratio Lower Upper
128 100
49 105.3 116.3 215.9#
130 113.3 82.4 153.0
51 35.6 42.6 64.0#





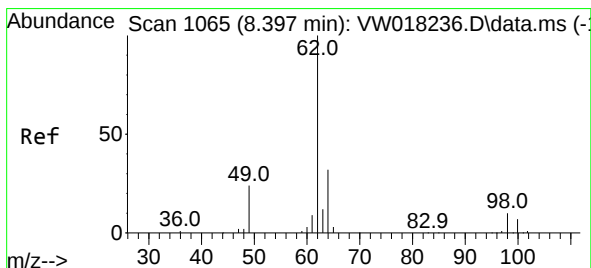
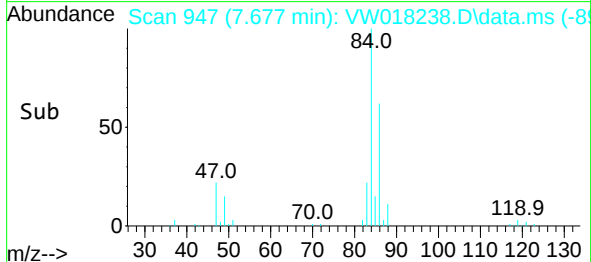
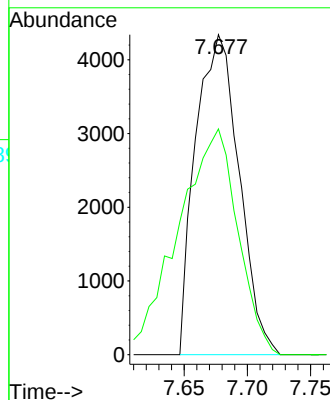
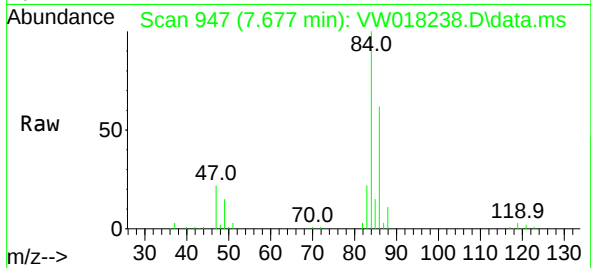
#25
Chloroform
Concen: 1.05 ug/L
RT: 7.677 min Scan# 947
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 83 Resp: 10375
Ion Ratio Lower Upper
83 100
85 70.6 44.6 82.8

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

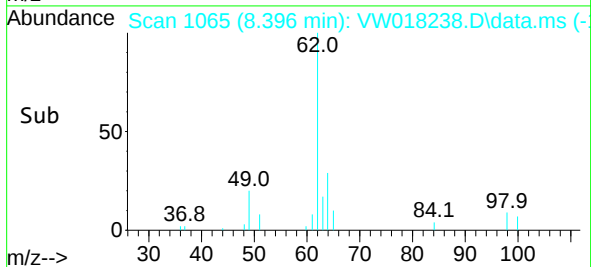
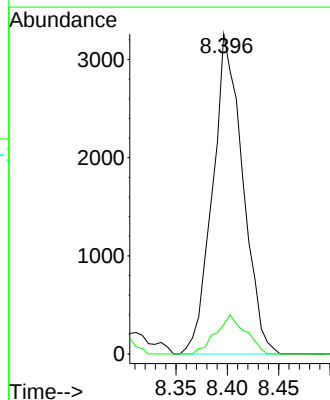
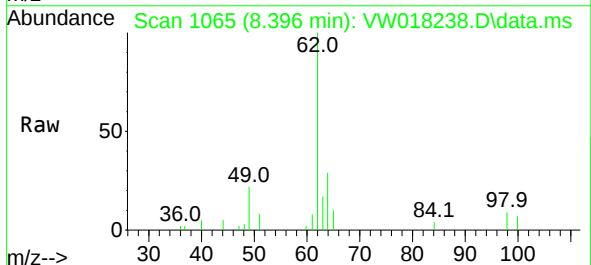
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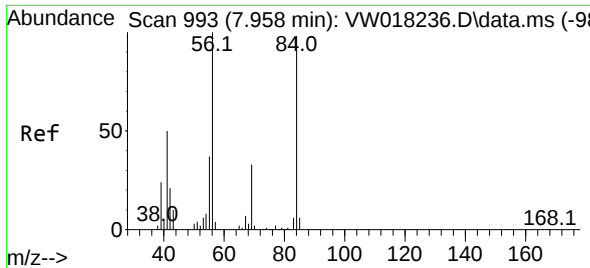
MMDadoda
3/1/2021 10:00:50 AM



#27
1,2-Dichloroethane
Concen: 1.12 ug/L
RT: 8.396 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

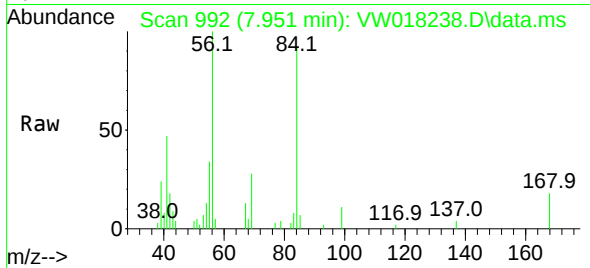
Tgt Ion: 62 Resp: 6655
Ion Ratio Lower Upper
62 100
98 9.1 6.9 10.3





#29
Cyclohexane
Concen: 1.06 ug/L
RT: 7.951 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

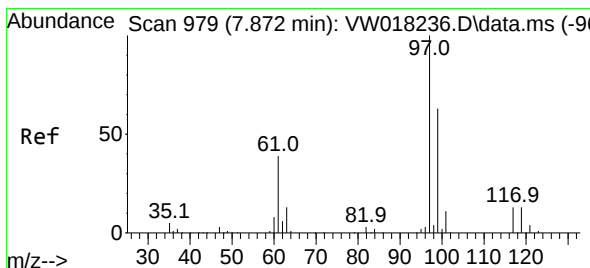
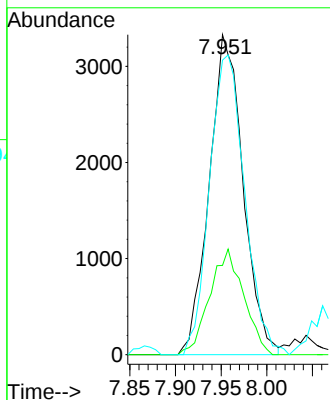
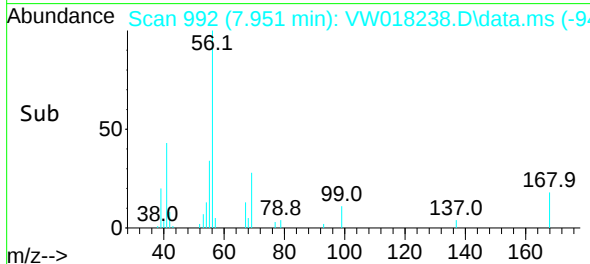
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04



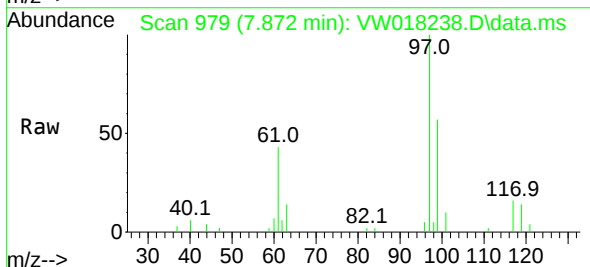
Tgt Ion:	56	Resp:	8575
Ion Ratio	Lower	Upper	
56	100		
69	33.2	24.5	36.7
84	97.1	75.0	112.4

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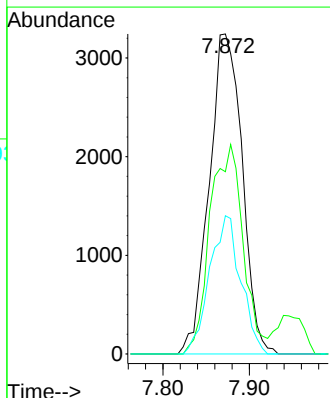
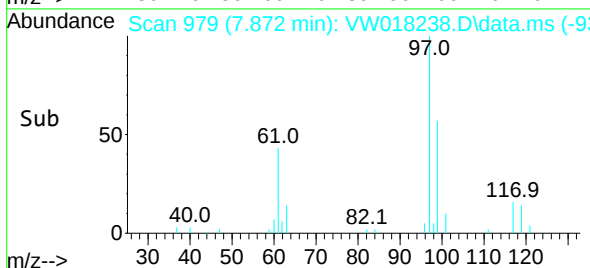
MMDadoda
3/1/2021 10:00:50 AM

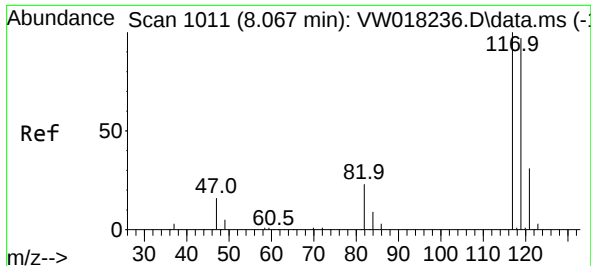


#30
1,1,1-Trichloroethane
Concen: 1.06 ug/L
RT: 7.872 min Scan# 979
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31



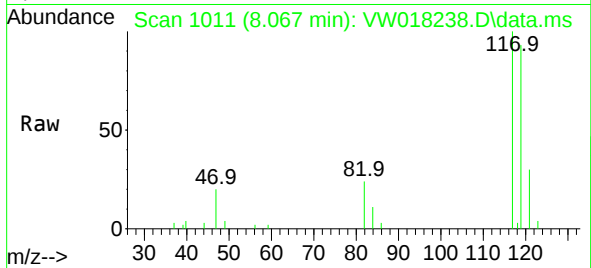
Tgt Ion:	97	Resp:	8591
Ion Ratio	Lower	Upper	
97	100		
99	35.0	51.4	77.2#
61	40.6	37.8	56.6





#31
Carbon tetrachloride
Concen: 1.05 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

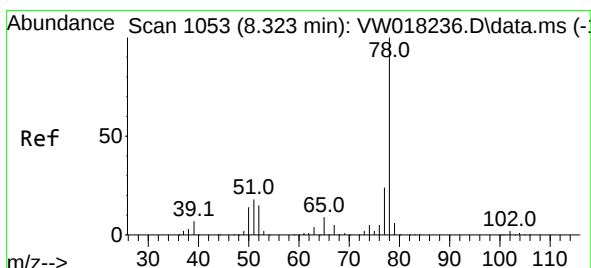
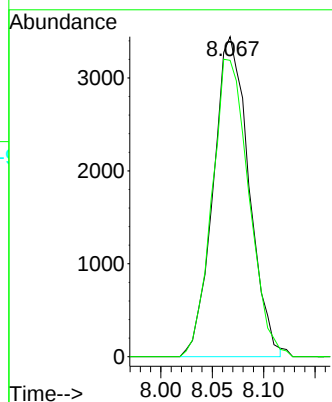
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04



Tgt Ion:117 Resp: 8287
Ion Ratio Lower Upper
117 100
119 96.0 76.5 114.7

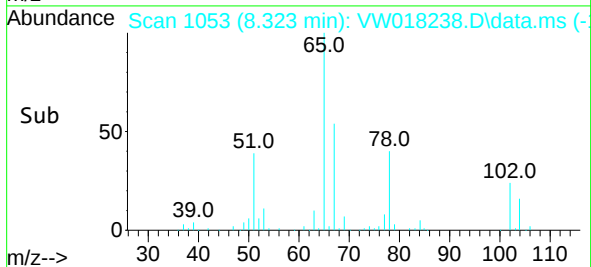
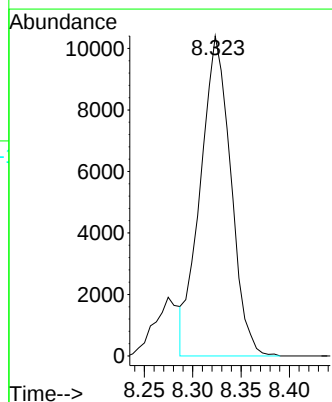
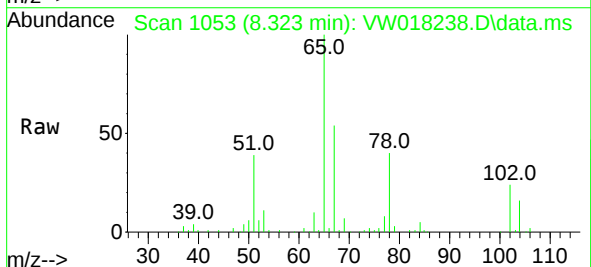
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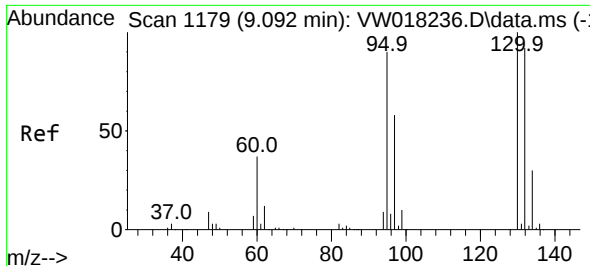
MMDadoda
3/1/2021 10:00:50 AM



#33
Benzene
Concen: 1.05 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 78 Resp: 22717





#34

Trichloroethene

Concen: 1.08 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW018238.D

Acq: 25 Feb 2021 10:31

Tgt Ion: 95 Resp: 6481

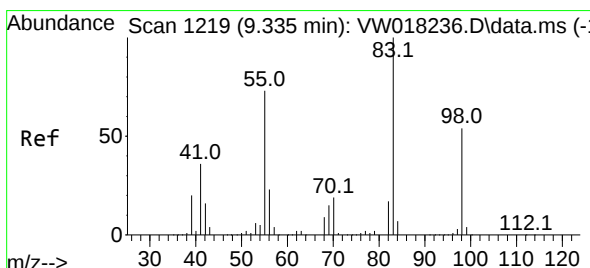
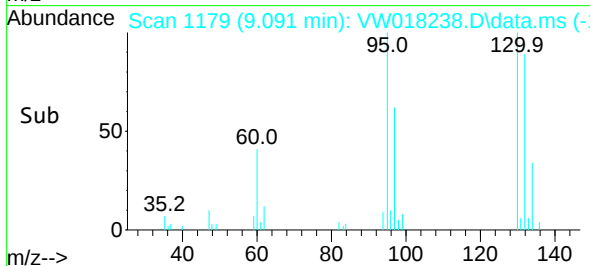
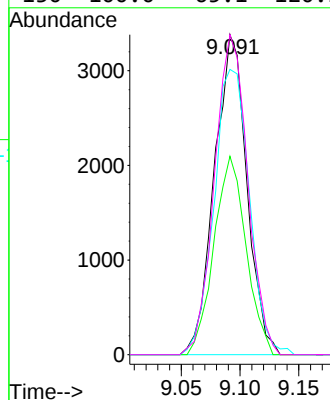
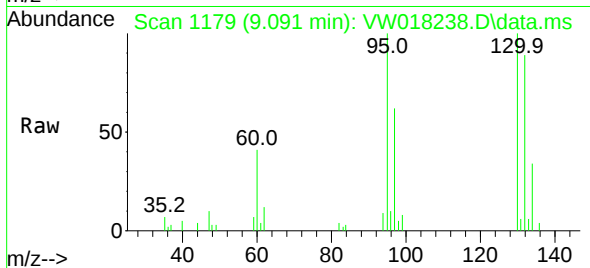
Ion Ratio Lower Upper

95 100

97 62.0 47.3 87.8

132 89.1 71.0 131.8

130 100.0 65.1 120.9



#35

Methylcyclohexane

Concen: 1.01 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW018238.D

Acq: 25 Feb 2021 10:31

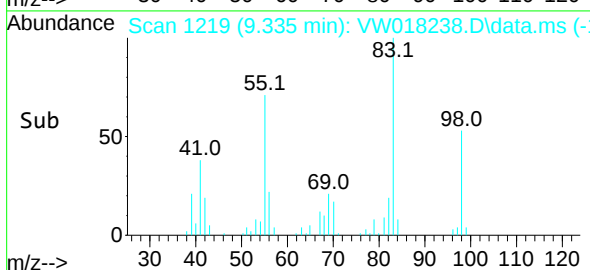
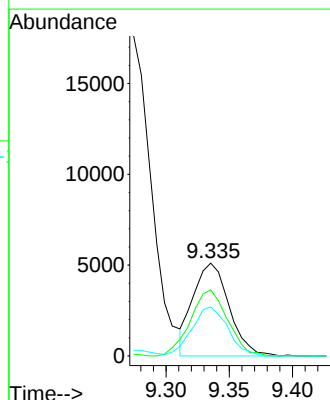
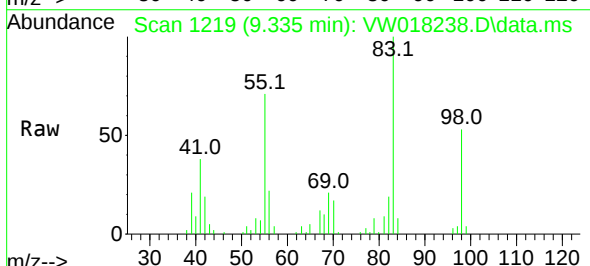
Tgt Ion: 83 Resp: 10102

Ion Ratio Lower Upper

83 100

55 73.5 58.9 88.3

98 52.9 40.1 60.1



Instrument :

MSVOA_W

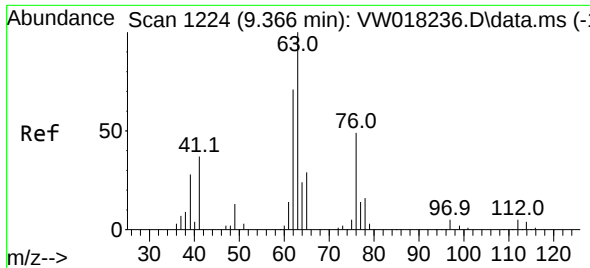
ClientSampleId :

MDL-SOIL-QT2-2021-04

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MMDadoda
3/1/2021 10:00:50 AM



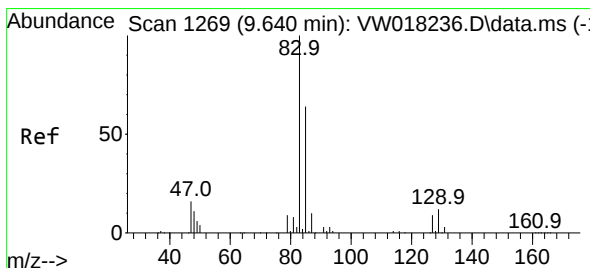
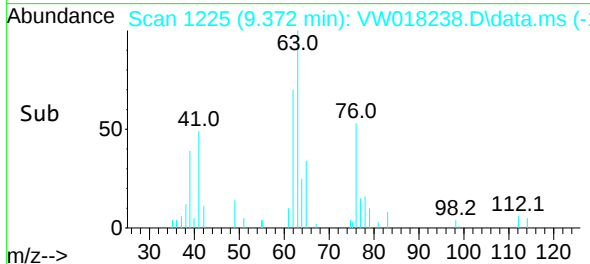
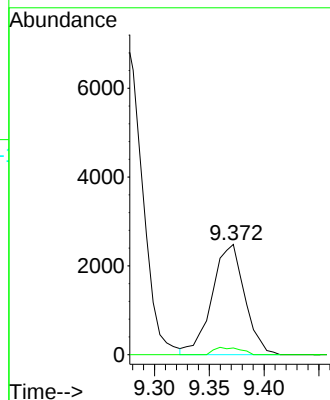
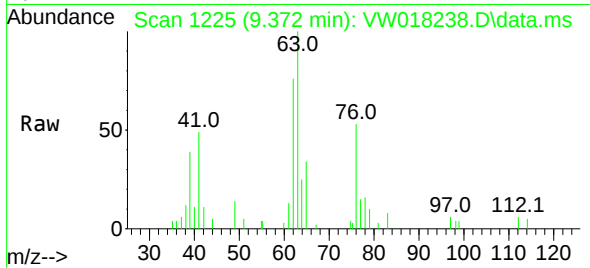
#37
1,2-Dichloropropane
Concen: 1.03 ug/L
RT: 9.372 min Scan# 1225
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 63 Resp: 5149
Ion Ratio Lower Upper
63 100
112 5.3 3.9 5.9

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

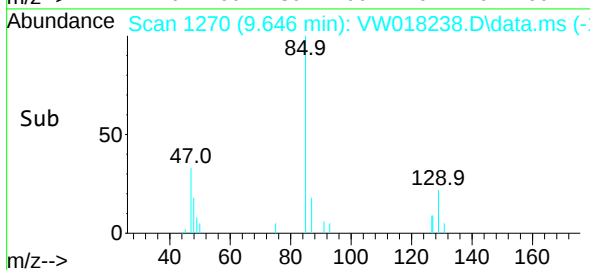
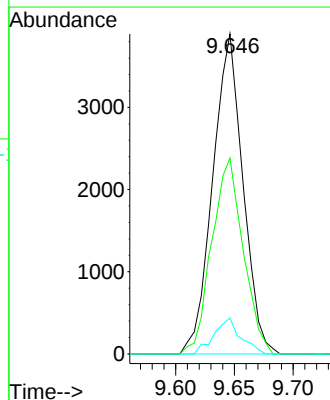
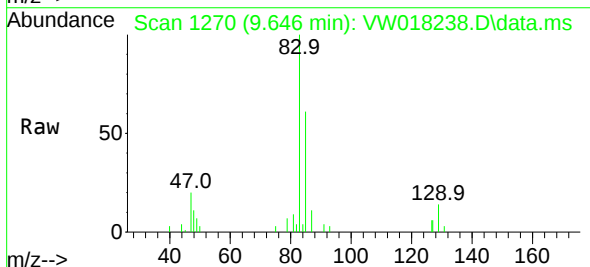
Manual Integrations
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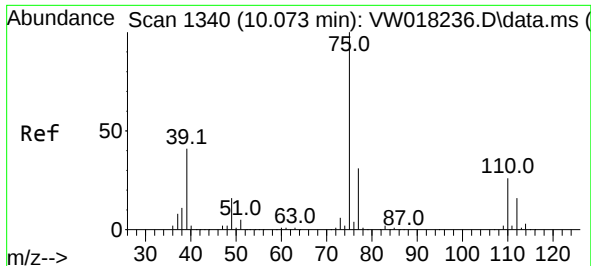
MMDadoda
3/1/2021 10:00:50 AM



#38
Bromodichloromethane
Concen: 1.00 ug/L
RT: 9.646 min Scan# 1270
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 83 Resp: 6957
Ion Ratio Lower Upper
83 100
85 61.2 42.3 78.5
127 11.2 6.6 9.8#





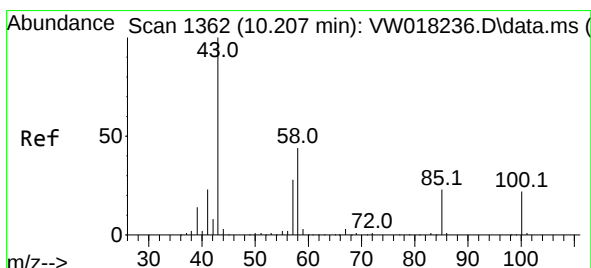
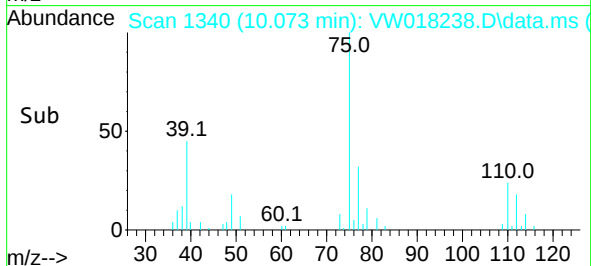
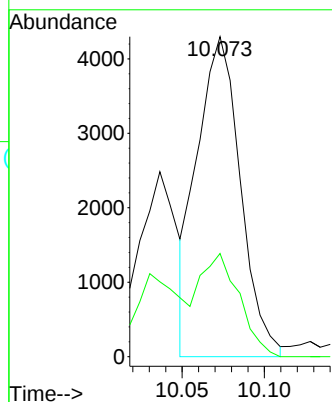
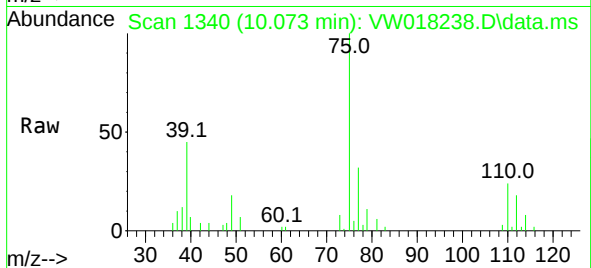
#39
cis-1,3-Dichloropropene
Concen: 0.99 ug/L
RT: 10.073 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 75 Resp: 7869
Ion Ratio Lower Upper
75 100
77 32.3 22.6 42.0

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

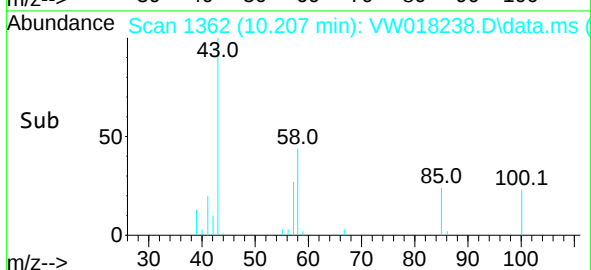
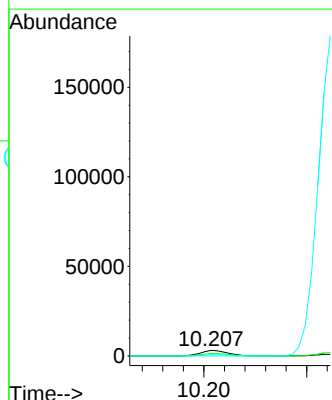
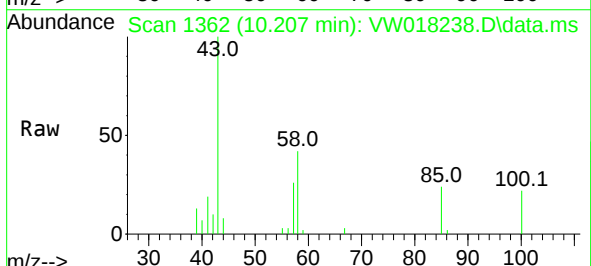
Manual Integrations
APPROVED

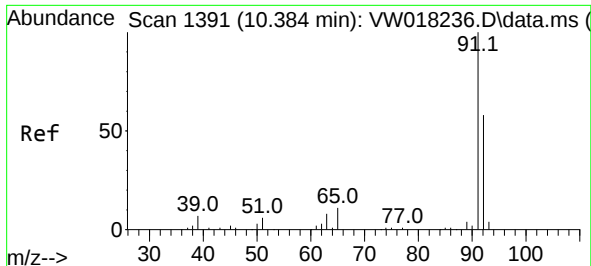
MMDadoda
3/1/2021 10:00:50 AM



#40
4-Methyl-2-pentanone
Concen: 2.27 ug/L
RT: 10.207 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 43 Resp: 5733
Ion Ratio Lower Upper
43 100
58 46.3 31.0 46.4
100 21.3 13.0 19.6#





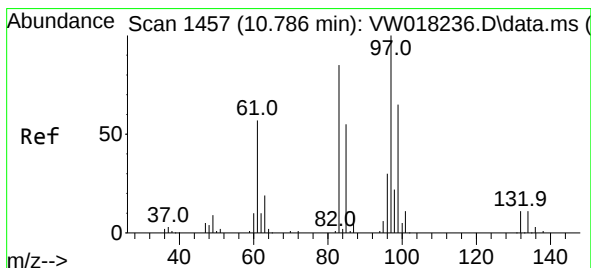
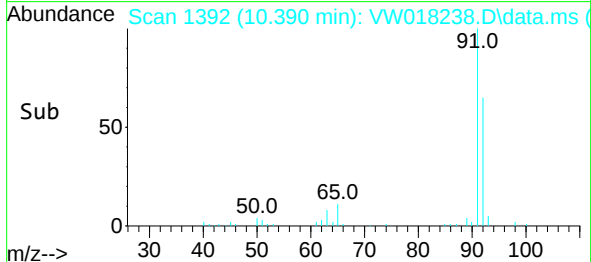
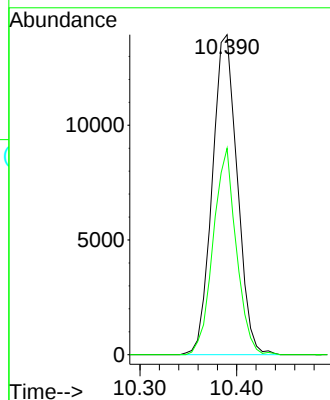
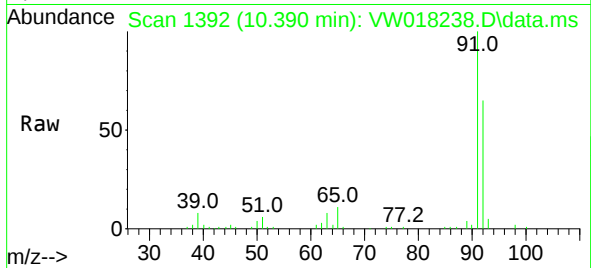
#42
Toluene
Concen: 1.05 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 91 Resp: 25038
Ion Ratio Lower Upper
91 100
92 64.5 39.5 73.3

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

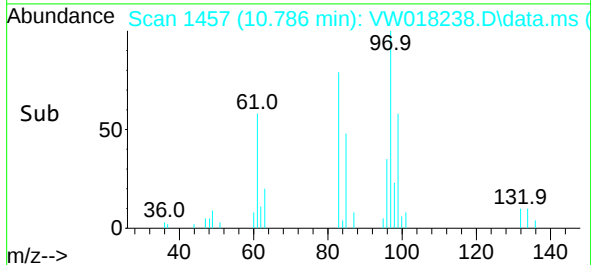
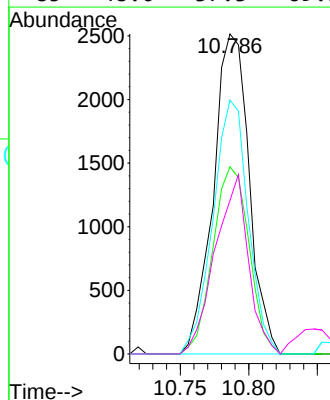
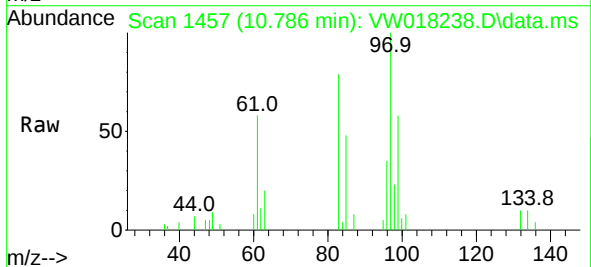
Manual Integrations
APPROVED

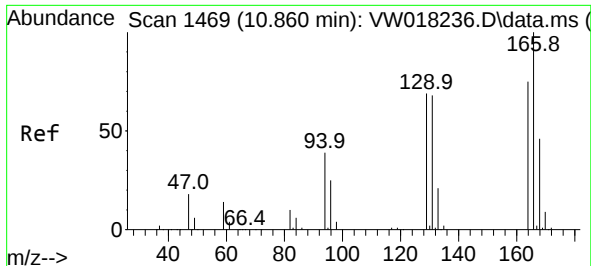
MMDadoda
3/1/2021 10:00:50 AM



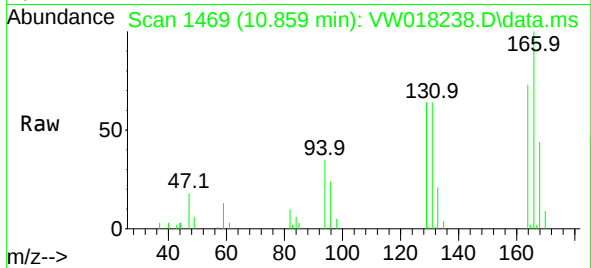
#45
1,1,2-Trichloroethane
Concen: 1.12 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 97 Resp: 4572
Ion Ratio Lower Upper
97 100
99 58.5 45.1 83.7
83 79.3 58.1 107.9
85 48.0 37.3 69.3

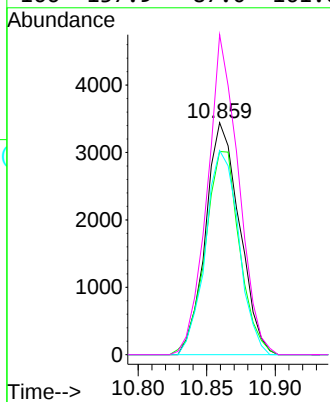
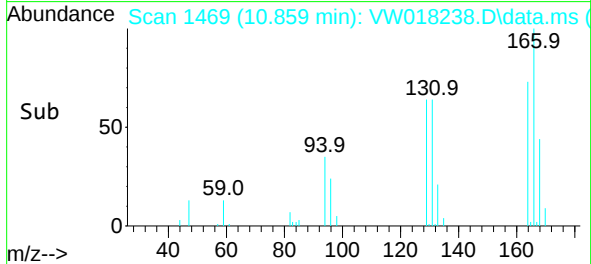




#46
Tetrachloroethene
Concen: 1.11 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31



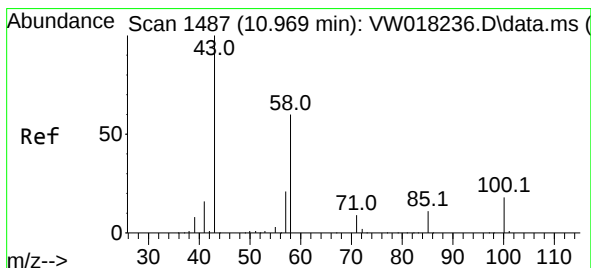
Tgt Ion:164 Resp: 5942
Ion Ratio Lower Upper
164 100
129 87.6 66.7 123.9
131 88.0 61.1 113.5
166 137.9 87.0 161.6



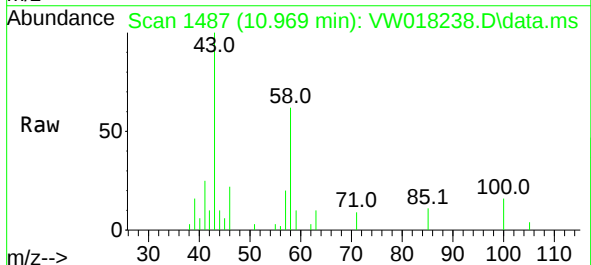
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

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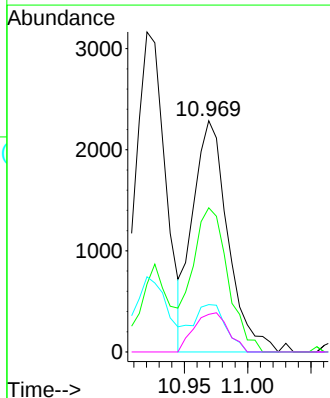
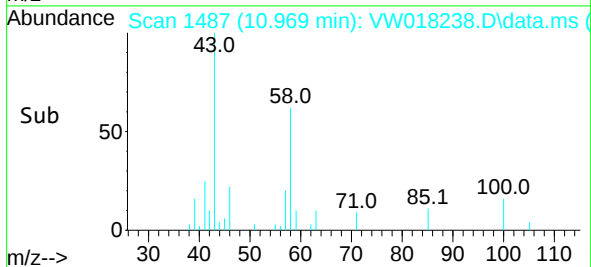
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3/1/2021 10:00:50 AM

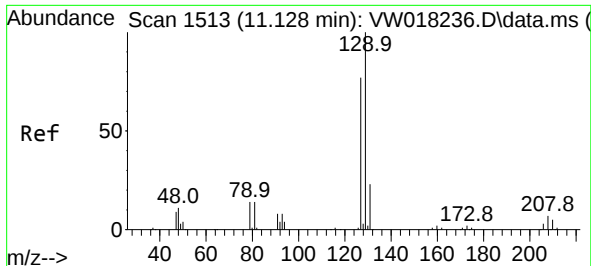


#48
2-Hexanone
Concen: 2.56 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31



Tgt Ion: 43 Resp: 4427
Ion Ratio Lower Upper
43 100
58 62.5 42.7 64.1
57 15.6 15.8 23.8#
100 16.5 10.0 15.0#





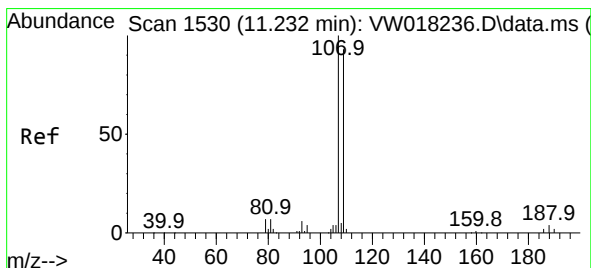
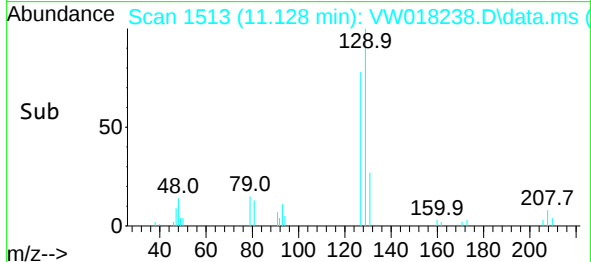
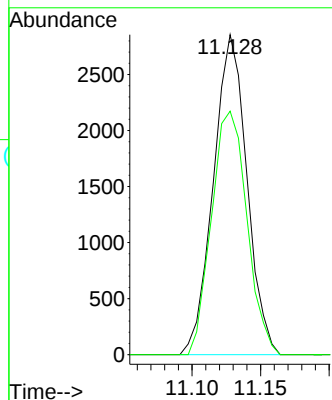
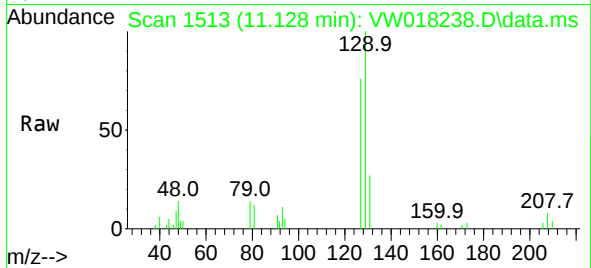
#49
Dibromochloromethane
Concen: 0.96 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion:129 Resp: 4856
Ion Ratio Lower Upper
129 100
127 76.1 51.7 95.9

Instrument :
MSVOA_W
ClientSampleId :
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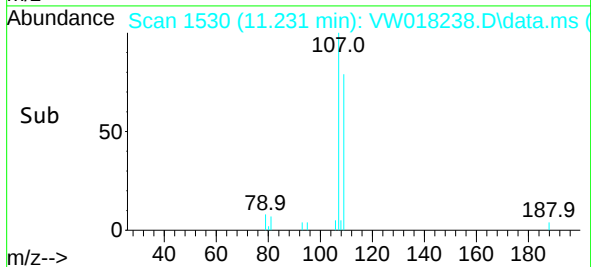
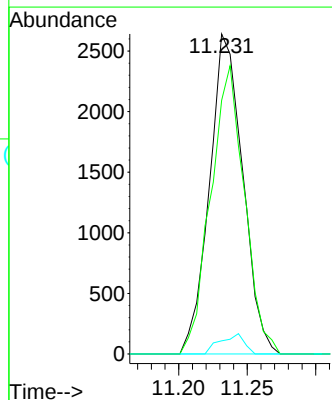
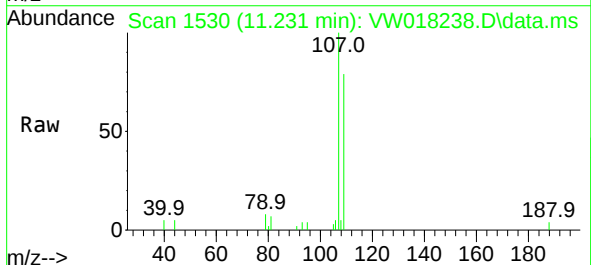
Manual Integrations
APPROVED

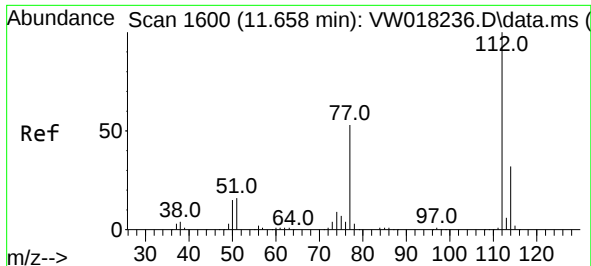
MMDadoda
3/1/2021 10:00:50 AM



#50
1,2-Dibromoethane
Concen: 1.12 ug/L
RT: 11.231 min Scan# 1530
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

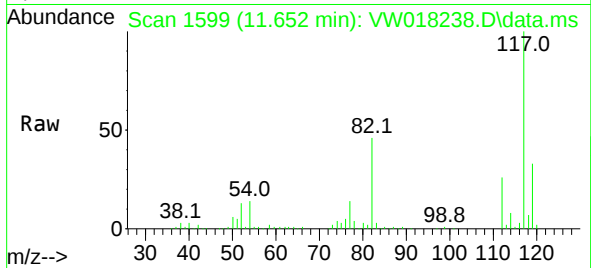
Tgt Ion:107 Resp: 4466
Ion Ratio Lower Upper
107 100
109 79.3 65.4 121.4
188 4.1 2.6 4.0#





#51
Chlorobenzene
Concen: 1.06 ug/L
RT: 11.652 min Scan# 1599
Delta R.T. -0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

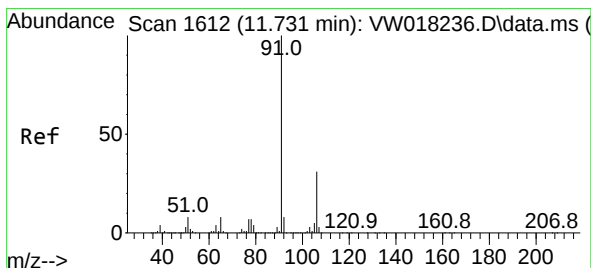
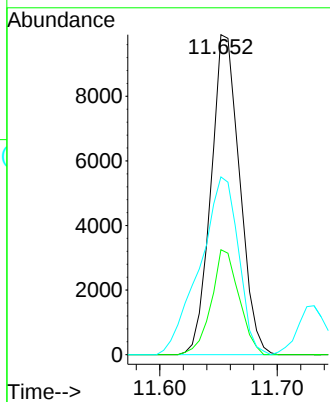
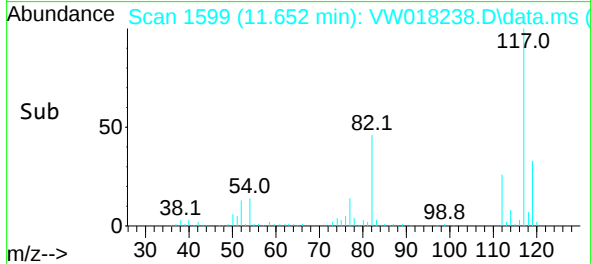
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04



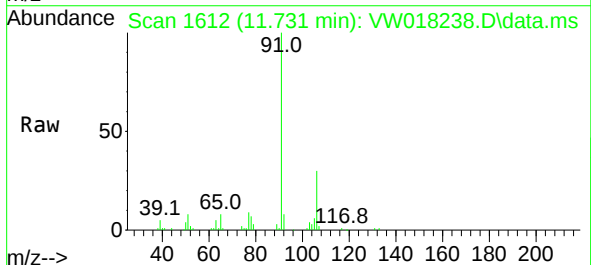
Tgt Ion: 112 Resp: 16793
Ion Ratio Lower Upper
112 100
114 32.8 23.4 43.6
77 55.5 47.6 71.4

Manual Integrations
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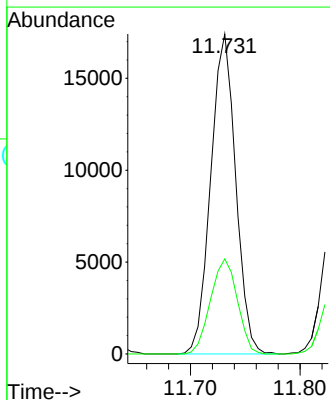
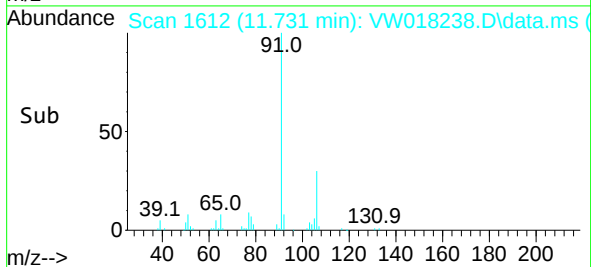
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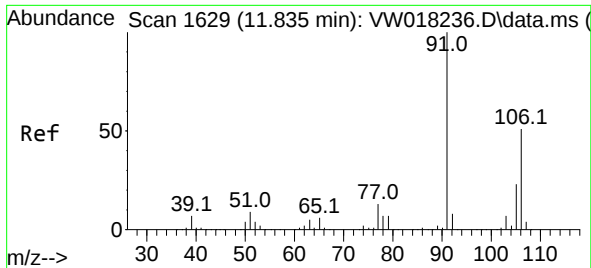


#52
Ethylbenzene
Concen: 1.03 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31



Tgt Ion: 91 Resp: 27543
Ion Ratio Lower Upper
91 100
106 29.7 22.5 41.7





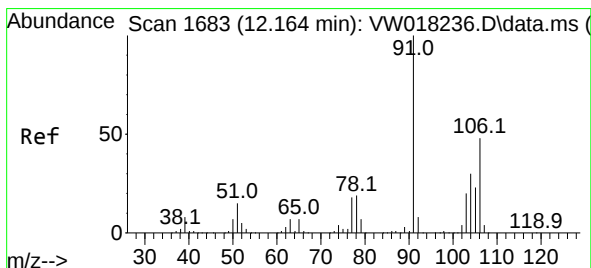
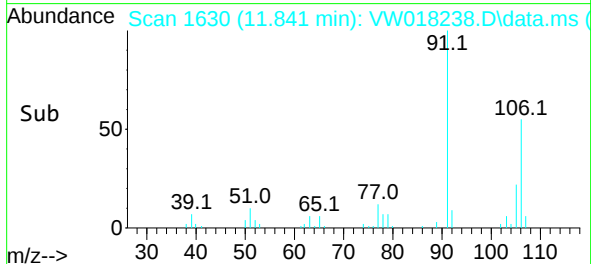
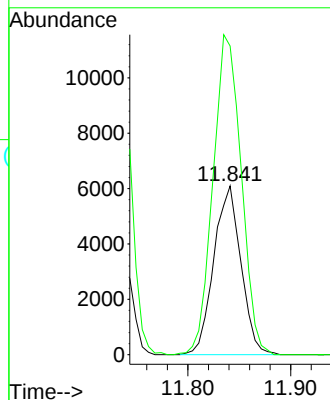
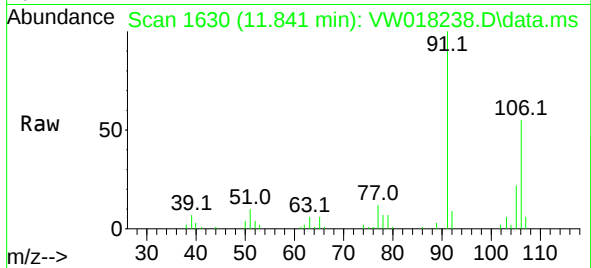
#53
m,p-Xylene
Concen: 1.07 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion:106 Resp: 11175
Ion Ratio Lower Upper
106 100
91 182.8 141.3 262.3

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

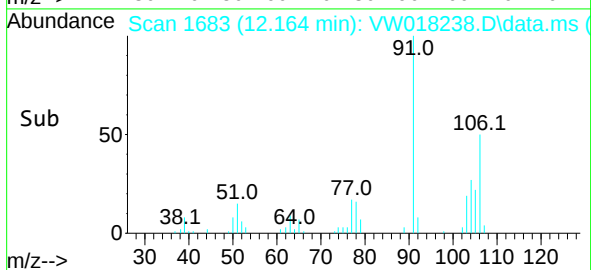
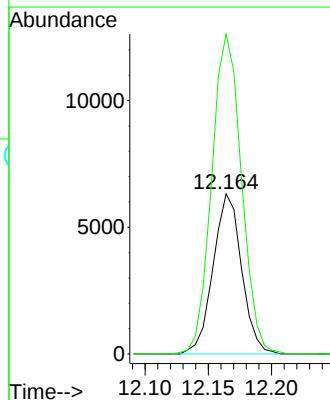
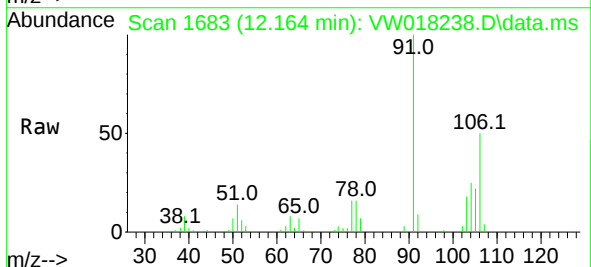
Manual Integrations
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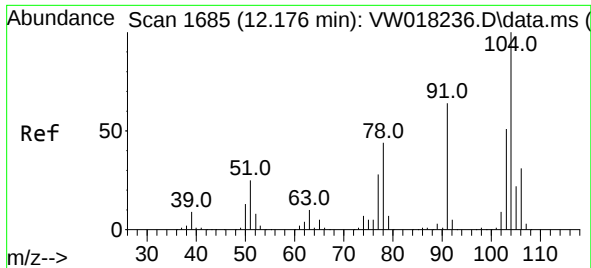
MMDadoda
3/1/2021 10:00:50 AM



#54
o-Xylene
Concen: 1.00 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion:106 Resp: 9890
Ion Ratio Lower Upper
106 100
91 199.7 150.0 278.6





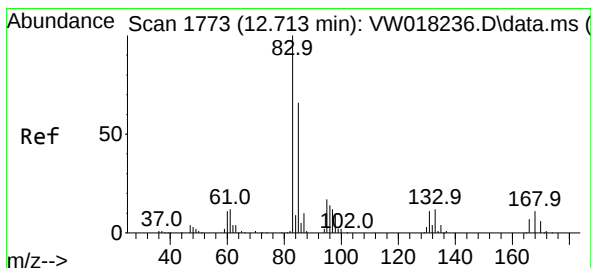
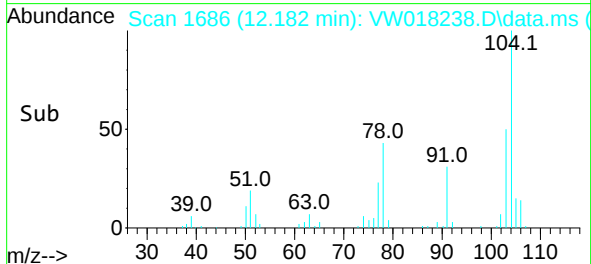
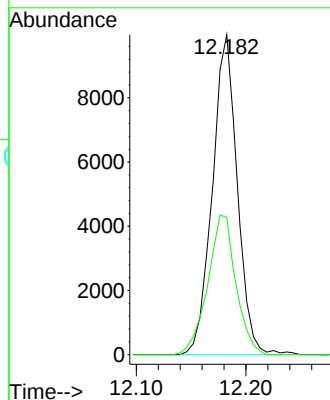
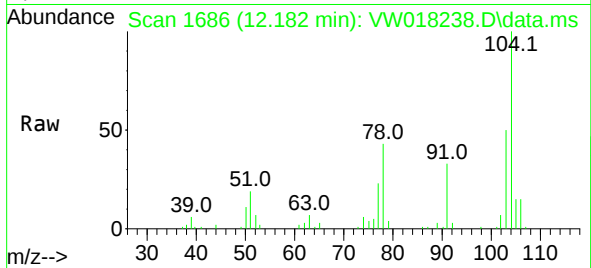
#55
Styrene
Concen: 0.95 ug/L
RT: 12.182 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion:104 Resp: 15718
Ion Ratio Lower Upper
104 100
78 43.0 32.5 60.3

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

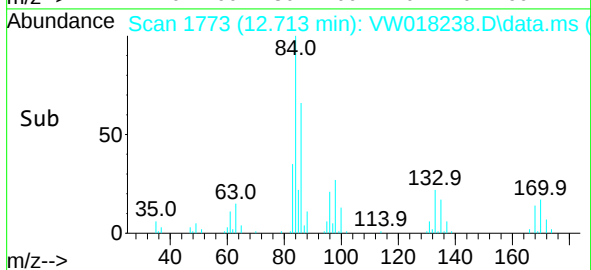
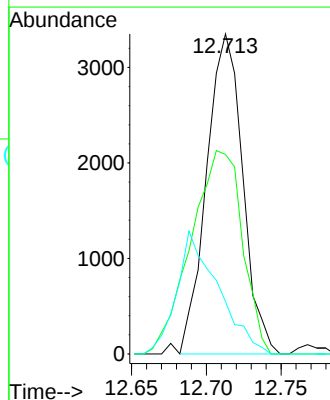
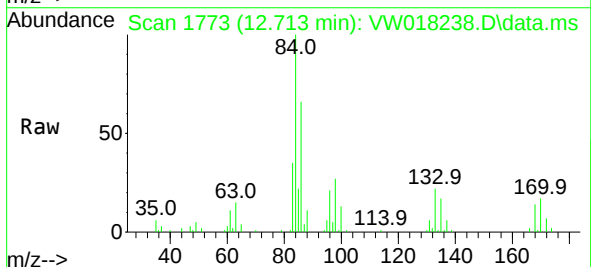
Manual Integrations
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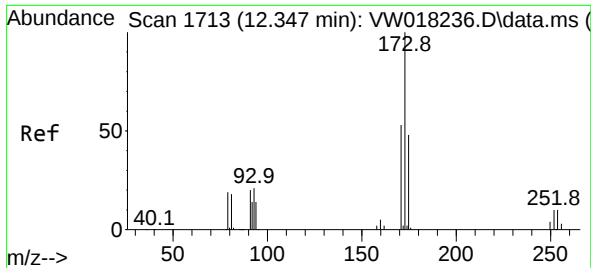
MMDadoda
3/1/2021 10:00:50 AM



#57
1,1,2,2-Tetrachloroethane
Concen: 1.23 ug/L
RT: 12.713 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

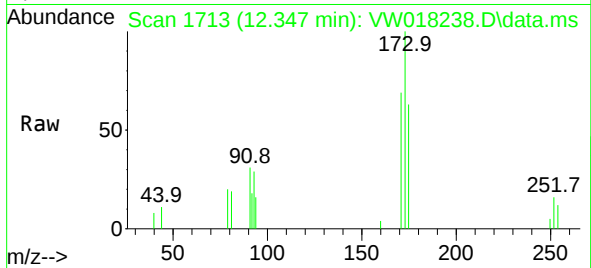
Tgt Ion: 83 Resp: 5633
Ion Ratio Lower Upper
83 100
85 62.4 44.4 82.4
131 16.4 8.2 12.4#





#59
Bromoform
Concen: 1.01 ug/L
RT: 12.347 min Scan# 1713
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

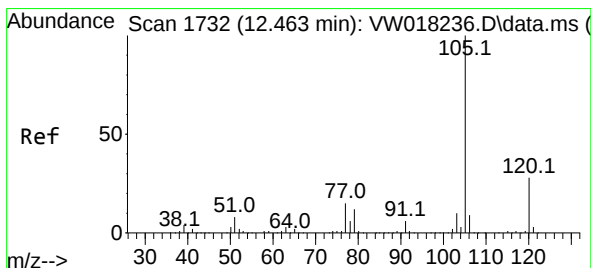
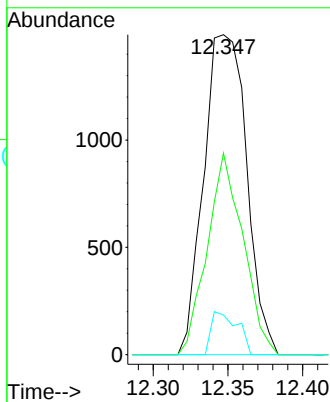
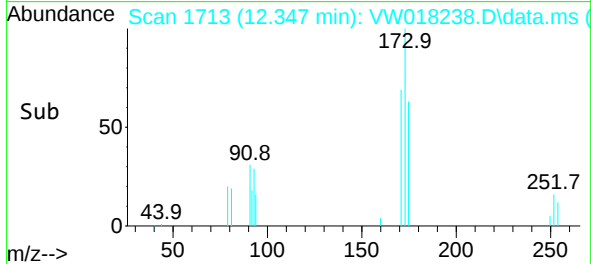
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04



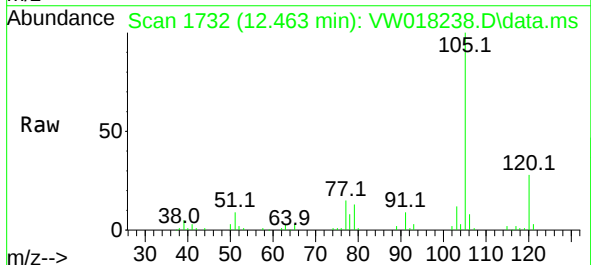
Tgt Ion:173 Resp: 2972
Ion Ratio Lower Upper
173 100
175 52.7 37.5 56.3
254 8.2 7.0 10.4

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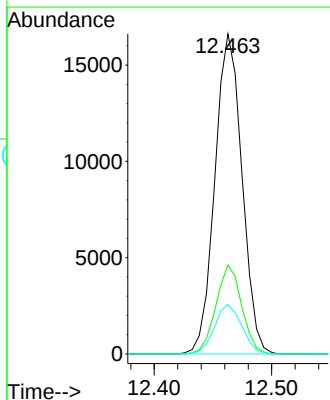
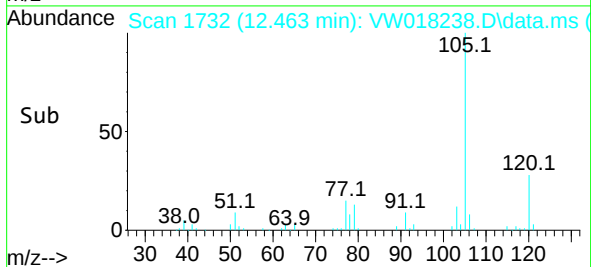
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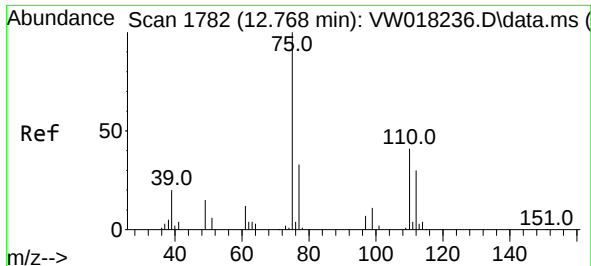


#60
Isopropylbenzene
Concen: 0.99 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31



Tgt Ion:105 Resp: 26632
Ion Ratio Lower Upper
105 100
120 26.4 21.1 31.7
77 15.6 13.2 19.8





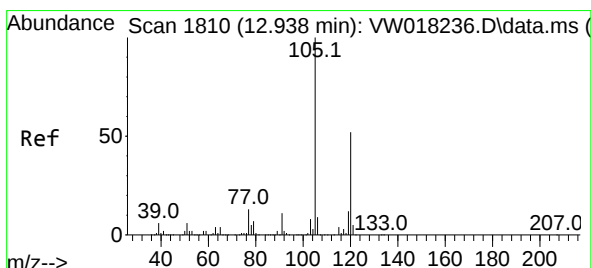
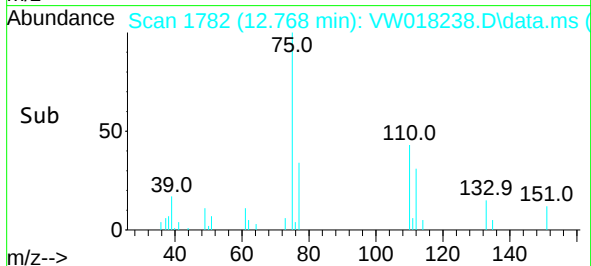
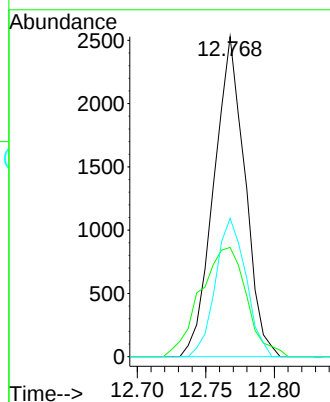
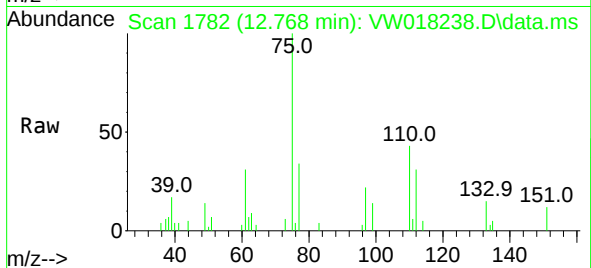
#61
1,2,3-Trichloropropane
Concen: 1.18 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	50.8	25.3	37.9#
110	42.3	32.6	48.8

Instrument :
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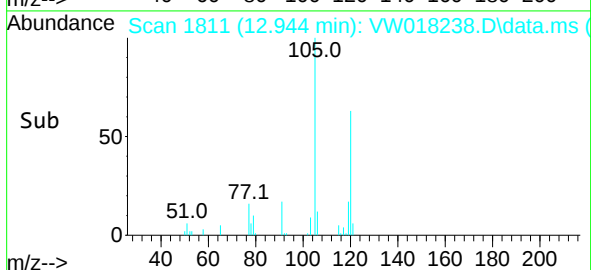
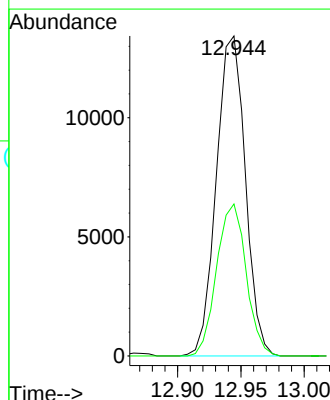
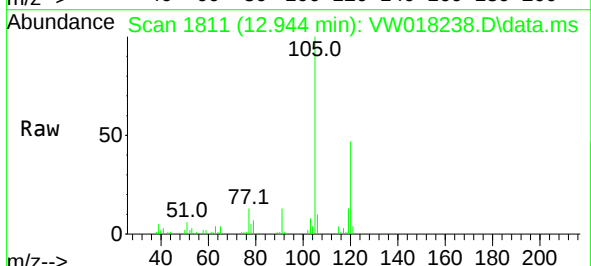
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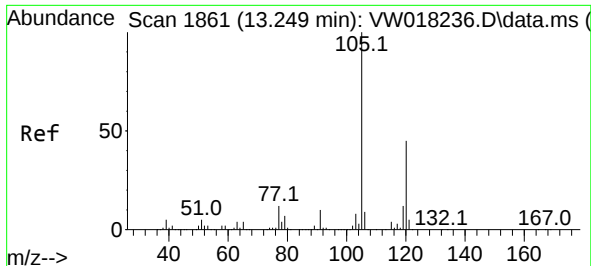
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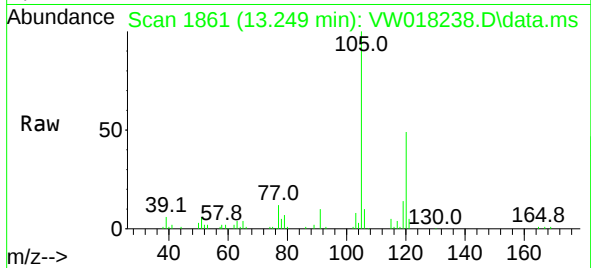
#62
1,3,5-Trimethylbenzene
Concen: 0.95 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.4	39.0	58.6

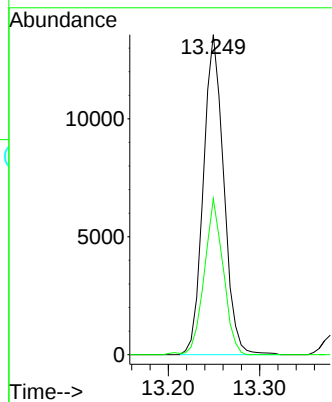
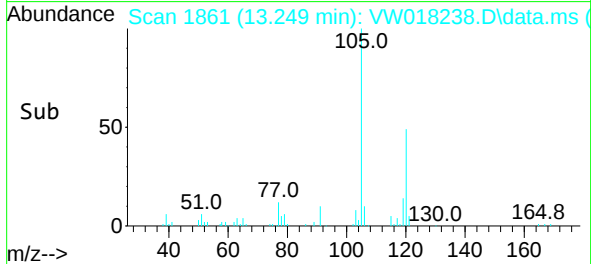




#63
1,2,4-Trimethylbenzene
Concen: 0.93 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31



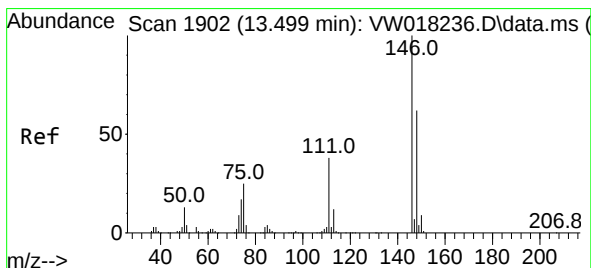
Tgt Ion:105 Resp: 20982
Ion Ratio Lower Upper
105 100
120 45.1 35.6 53.4



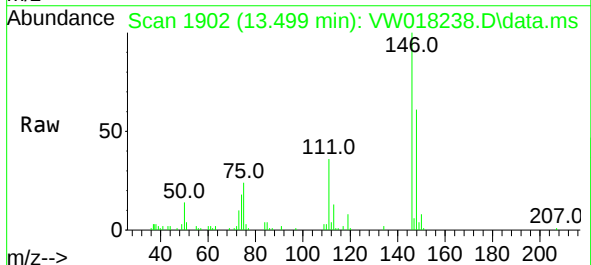
Instrument :
MSVOA_W
ClientSampleId :
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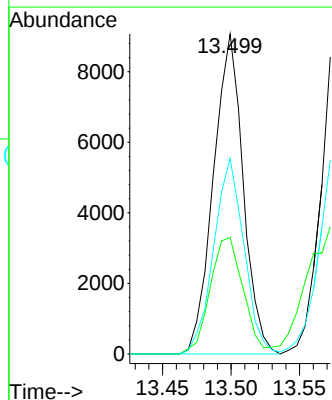
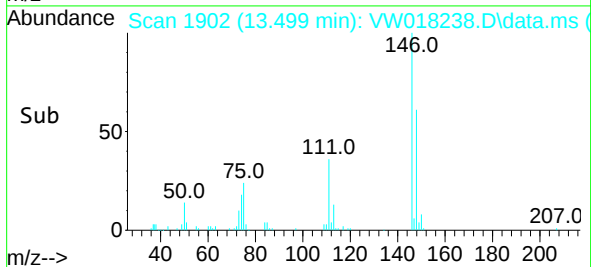
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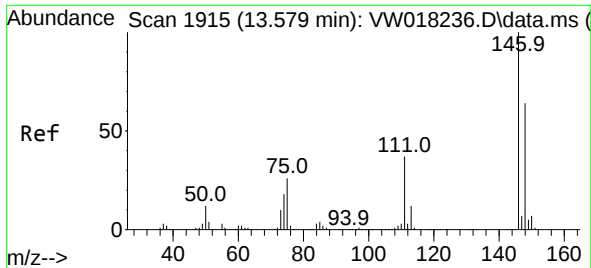


#64
1,3-Dichlorobenzene
Concen: 1.06 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

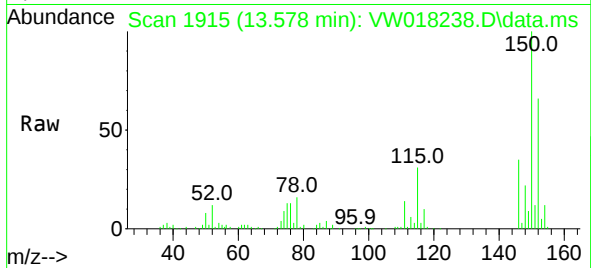


Tgt Ion:146 Resp: 13702
Ion Ratio Lower Upper
146 100
111 36.4 26.7 49.7
148 61.0 41.1 76.3

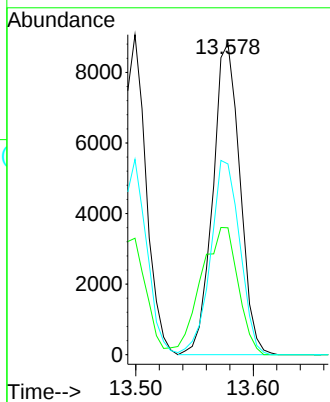
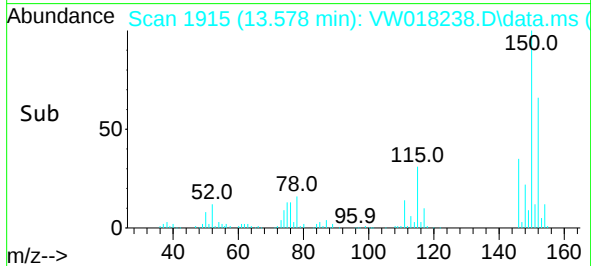




#65
1,4-Dichlorobenzene
Concen: 1.09 ug/L
RT: 13.578 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31



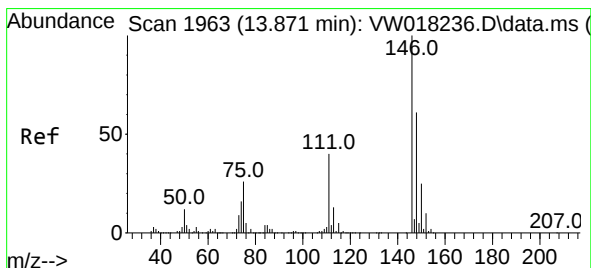
Tgt Ion:146 Resp: 14178
Ion Ratio Lower Upper
146 100
111 40.7 28.8 53.4
148 61.2 46.8 87.0



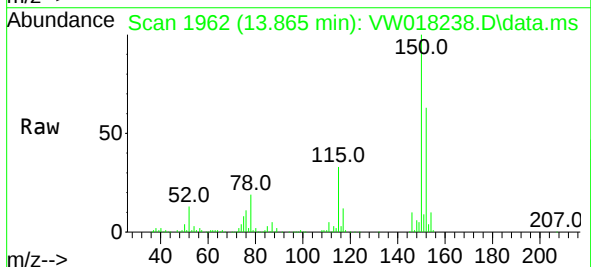
Instrument :
MSVOA_W
ClientSampleId :
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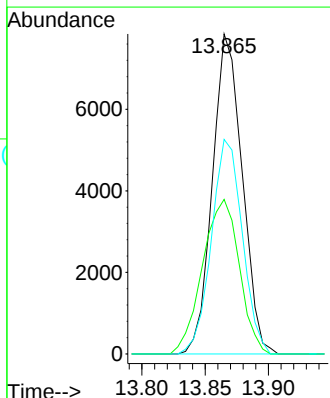
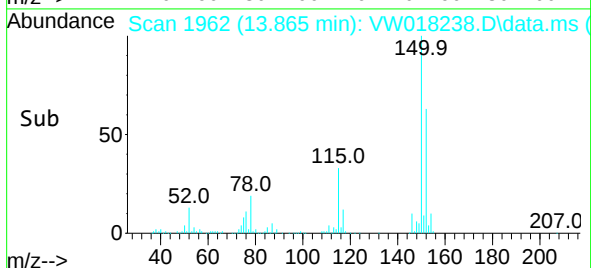
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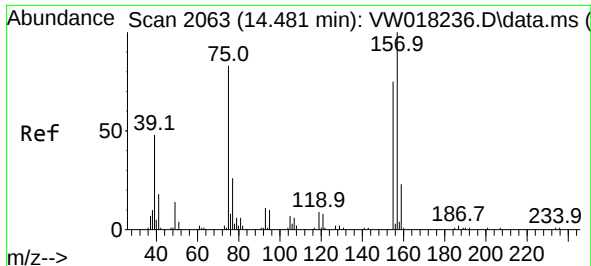


#67
1,2-Dichlorobenzene
Concen: 1.11 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

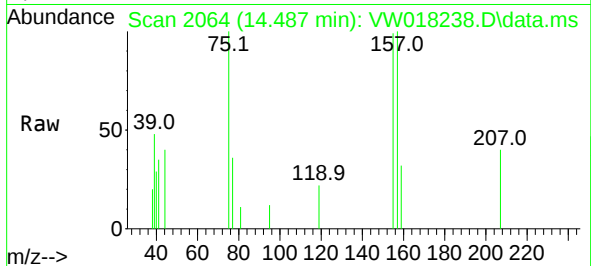


Tgt Ion:146 Resp: 12826
Ion Ratio Lower Upper
146 100
111 48.3 33.2 49.8
148 67.1 50.4 75.6





#68
1,2-Dibromo-3-chloropropane
Concen: 1.29 ug/L m
RT: 14.487 min Scan# 2064
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

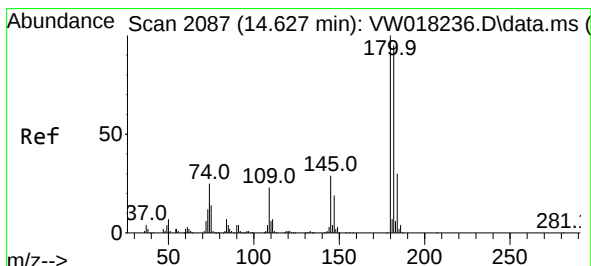
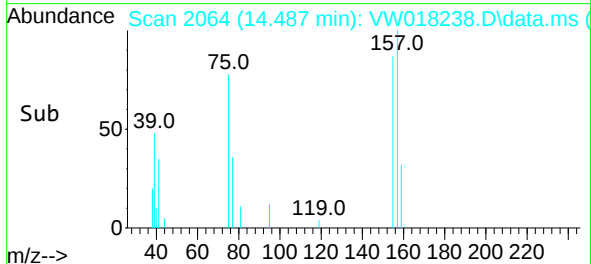
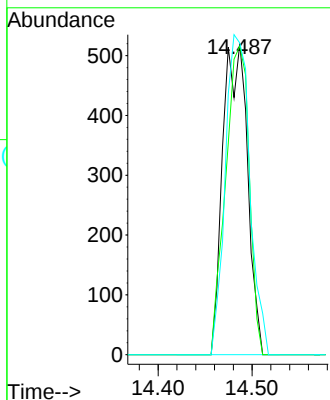


Tgt Ion: 75 Resp: 945
Ion Ratio Lower Upper
75 100
155 99.2 59.4 89.0#
157 100.2 72.2 108.2

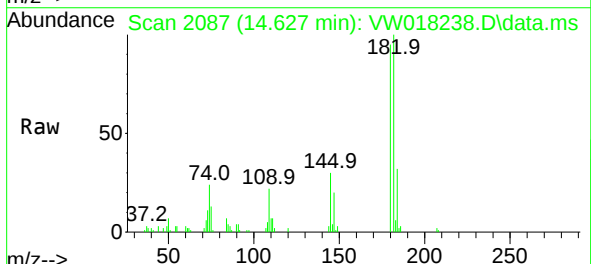
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

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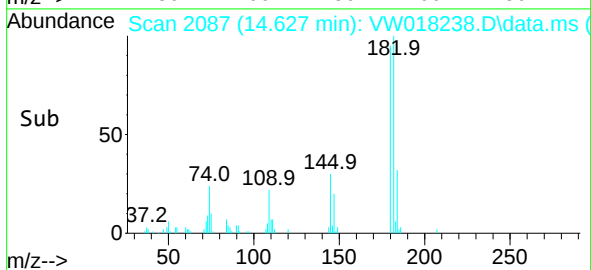
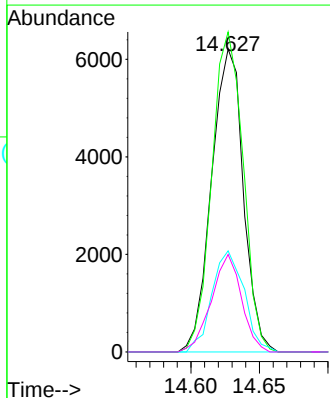
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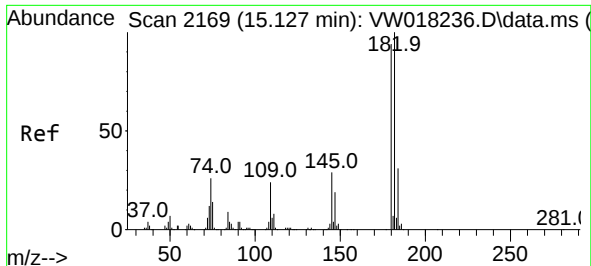


#69
1,3,5-Trichlorobenzene
Concen: 1.01 ug/L
RT: 14.627 min Scan# 2087
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

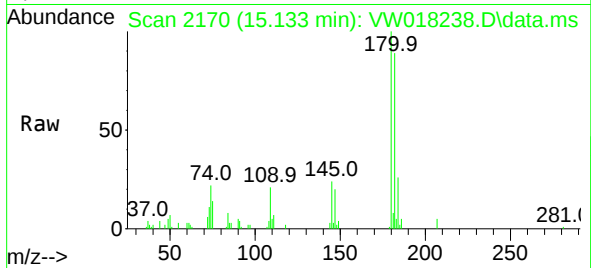


Tgt Ion: 180 Resp: 10012
Ion Ratio Lower Upper
180 100
182 104.0 73.4 110.2
184 33.9 23.6 35.4
145 30.5 24.9 37.3

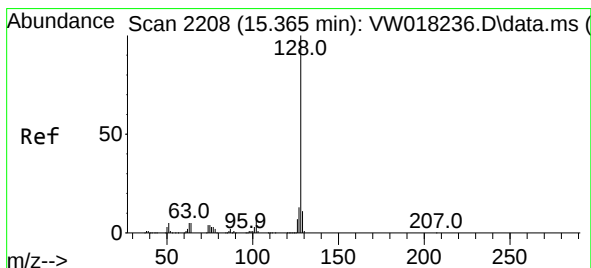
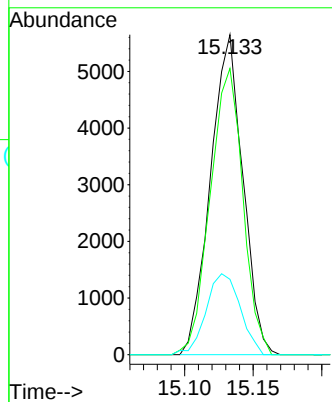
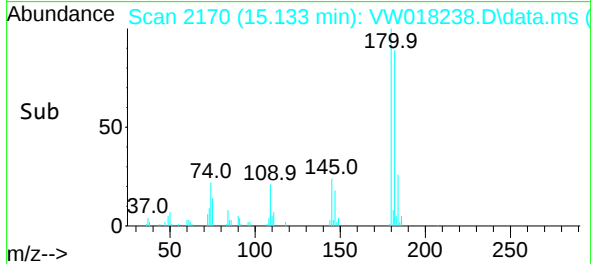




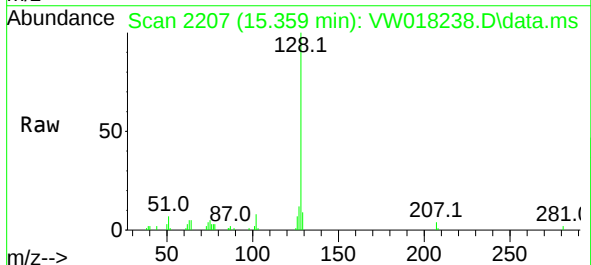
#70
1,2,4-trichlorobenzene
Concen: 1.13 ug/L
RT: 15.133 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31



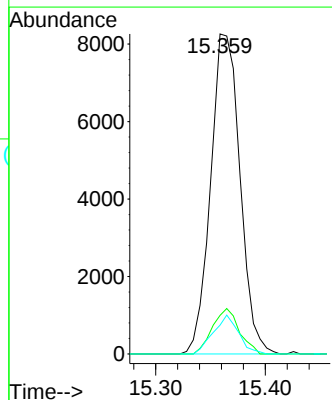
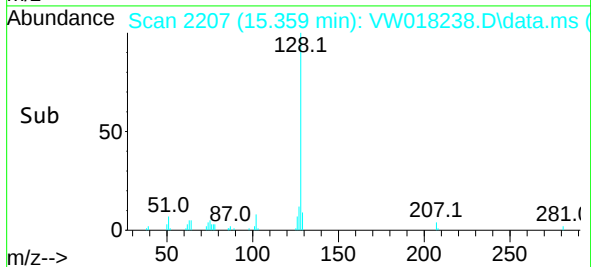
Tgt Ion:180 Resp: 9283
Ion Ratio Lower Upper
180 100
182 90.1 74.7 112.1
145 26.7 25.0 37.4



#71
Naphthalene
Concen: 1.07 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. -0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31



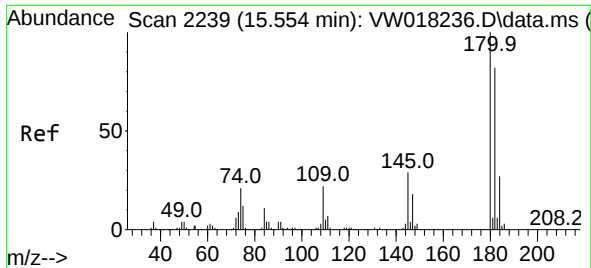
Tgt Ion:128 Resp: 15407
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.4 9.0 13.6



Instrument :
MSVOA_W
ClientSampleId :
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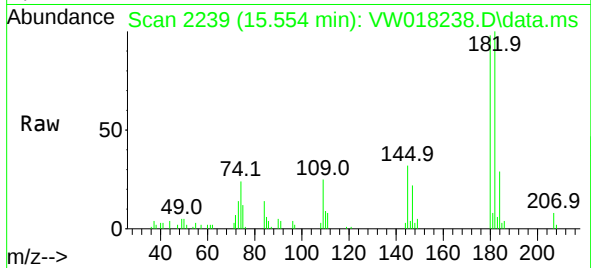
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#72
 1,2,3-Trichlorobenzene
 Concen: 1.13 ug/L
 RT: 15.554 min Scan# 2239
 Delta R.T. -0.000 min
 Lab File: VW018238.D
 Acq: 25 Feb 2021 10:31

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT2-2021-04



Tgt Ion:	180	Resp:	8146
Ion Ratio	Lower	Upper	
180	100		
182	96.9	76.7	115.1
145	30.0	28.9	43.3

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 3/1/2021 10:00:50 AM

