

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050721\
 Data File : VW021321.D
 Acq On : 07 May 2021 12:56
 Operator : SY/MD
 Sample : M2250-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-MED-SOIL-QT3-2021-06

Manual Integrations
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 5/11/2021 1:52:47 PM

Quant Time: May 08 00:36:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 08 00:36:06 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	640845	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	612546	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.255	152	327961	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	148636	52.29	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 104.58%			
7) Chloroethane-d5	1.571	69	128855	50.72	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.44%			
11) 1,1-Dichloroethene-d2	2.108	63	290469	36.63	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 73.26%			
21) 2-Butanone-d5	3.908	46	210108	92.11	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery = 92.11%			
24) Chloroform-d	4.352	84	437277	48.33	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.66%			
26) 1,2-Dichloroethane-d4	5.037	65	339182	50.08	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.16%			
32) Benzene-d6	5.053	84	723638	51.30	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.60%			
36) 1,2-Dichloropropane-d6	6.072	67	183359	50.60	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 101.20%			
41) Toluene-d8	7.320	98	729646	49.91	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.82%			
43) trans-1,3-Dichloroprop...	7.625	79	126193m	46.82	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 93.64%			
47) 2-Hexanone-d5	8.095	63	152260	90.99	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 90.99%			
56) 1,1,2,2-Tetrachloroeth...	10.220	84	265792	45.84	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 91.68%			
66) 1,2-Dichlorobenzene-d4	11.632	152	326203	50.47	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.94%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	10250	1.98	ug/L #	80
3) Chloromethane	1.243	50	7971	2.56	ug/L	100
5) Vinyl chloride	1.314	62	9936m	2.56	ug/L	
6) Bromomethane	1.523	94	8658	2.84	ug/L	95
8) Chloroethane	1.584	64	5515m	2.20	ug/L	
9) Trichlorofluoromethane	1.754	101	23982	2.36	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	13528	3.01	ug/L	87
12) 1,1-Dichloroethene	2.117	96	14072	3.51	ug/L #	1
13) Acetone	2.195	43	12680m	4.70	ug/L	
14) Carbon disulfide	2.294	76	22907	2.28	ug/L #	93
15) Methyl Acetate	2.449	43	8721m	2.68	ug/L	
16) Methylene chloride	2.513	84	12655	3.08	ug/L	89
17) trans-1,2-Dichloroethene	2.764	96	10230	2.55	ug/L	83
18) Methyl tert-butyl Ether	2.770	73	36630	2.54	ug/L #	87
19) 1,1-Dichloroethane	3.191	63	16711	2.40	ug/L #	91
20) cis-1,2-Dichloroethene	3.918	96	10438	2.36	ug/L	97
22) 2-Butanone	4.008	43	13751m	5.34	ug/L	
23) Bromochloromethane	4.259	128	7310m	2.89	ug/L	
25) Chloroform	4.384	83	26361m	2.88	ug/L	

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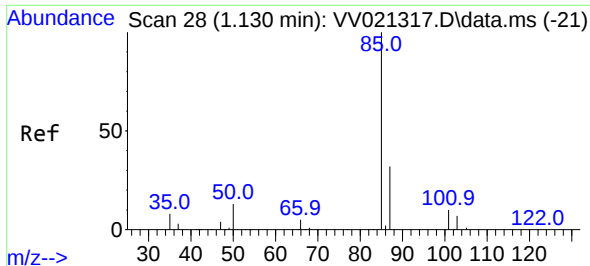
Manual Integrations
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.143	62	19374	2.32	ug/L	95
29) Cyclohexane	4.683	56	11963m	2.32	ug/L	
30) 1,1,1-Trichloroethane	4.609	97	24864m	2.60	ug/L	
31) Carbon tetrachloride	4.831	117	20588m	2.31	ug/L	
33) Benzene	5.104	78	36689m	2.34	ug/L	
34) Trichloroethene	5.924	95	12248	2.43	ug/L	90
35) Methylcyclohexane	6.137	83	14978	2.27	ug/L #	27
37) 1,2-Dichloropropane	6.178	63	7558	2.28	ug/L #	90
38) Bromodichloromethane	6.519	83	15896	2.26	ug/L #	95
39) cis-1,3-Dichloropropene	7.037	75	17080	2.65	ug/L	97
40) 4-Methyl-2-pentanone	7.236	43	20542	4.38	ug/L #	70
42) Toluene	7.397	91	54322	2.97	ug/L	92
44) trans-1,3-Dichloropropene	7.657	75	16013	2.27	ug/L	88
45) 1,1,2-Trichloroethane	7.844	97	10878m	2.56	ug/L	
46) Tetrachloroethene	7.982	164	11384	2.63	ug/L #	69
48) 2-Hexanone	8.149	43	32322	8.58	ug/L #	85
49) Dibromochloromethane	8.255	129	14652	2.43	ug/L	88
50) 1,2-Dibromoethane	8.362	107	11943	2.50	ug/L #	97
51) Chlorobenzene	8.889	112	32801	2.60	ug/L	90
52) Ethylbenzene	9.021	91	46765	2.22	ug/L	99
53) m,p-Xylene	9.146	106	19233	2.32	ug/L	92
54) o-Xylene	9.551	106	17705	2.22	ug/L	98
55) Styrene	9.570	104	26556	1.95	ug/L	84
57) 1,1,2,2-Tetrachloroethane	10.242	83	12048	2.10	ug/L #	82
59) Bromoform	9.741	173	9860	2.25	ug/L	96
60) Isopropylbenzene	9.937	105	47086	2.25	ug/L	97
61) 1,2,3-Trichloropropane	10.281	75	15230	2.84	ug/L	96
62) 1,3,5-Trimethylbenzene	10.545	105	43379	2.36	ug/L	98
63) 1,2,4-Trimethylbenzene	10.924	105	41113	2.23	ug/L	97
64) 1,3-Dichlorobenzene	11.194	146	22519	2.21	ug/L #	79
65) 1,4-Dichlorobenzene	11.281	146	29733	2.85	ug/L	87
67) 1,2-Dichlorobenzene	11.651	146	26253	2.55	ug/L #	82
68) 1,2-Dibromo-3-chloropr...	12.439	75	4603	2.47	ug/L #	74
69) 1,3,5-Trichlorobenzene	12.654	180	18131m	2.30	ug/L	
70) 1,2,4-trichlorobenzene	13.271	180	12629	1.97	ug/L	95
71) Naphthalene	13.516	128	24184	1.37	ug/L #	87
72) 1,2,3-Trichlorobenzene	13.750	180	11491	1.77	ug/L #	89

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



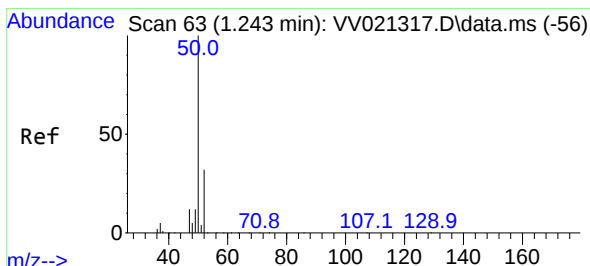
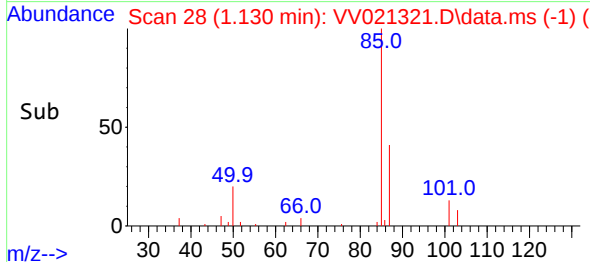
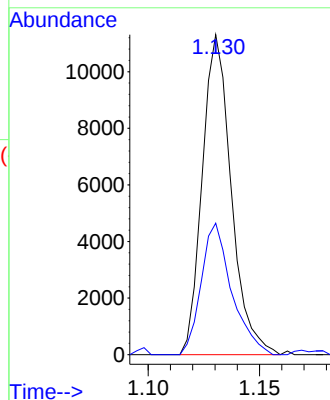
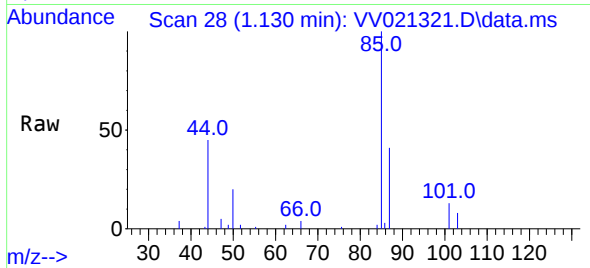
#2
 Dichlorodifluoromethane
 Concen: 1.98 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VV021321.D
 Acq: 07 May 2021 12:56

Tgt Ion: 85 Resp: 10250
 Ion Ratio Lower Upper
 85 100
 87 43.3 25.8 38.8#

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-MED-SOIL-QT3-2021-06

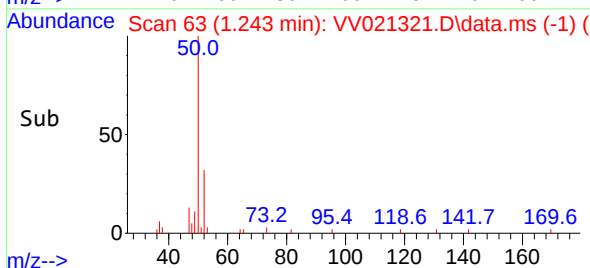
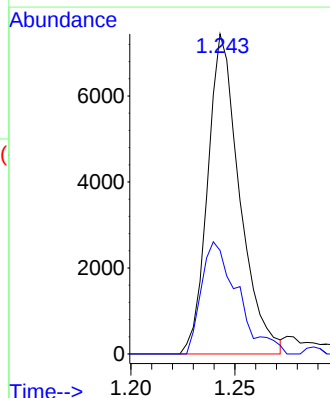
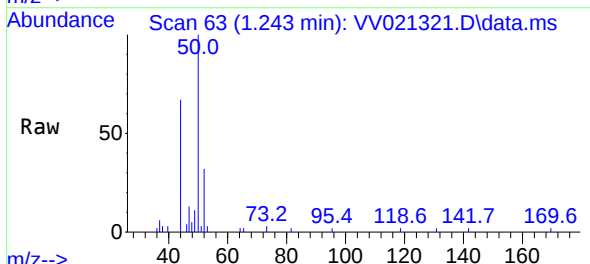
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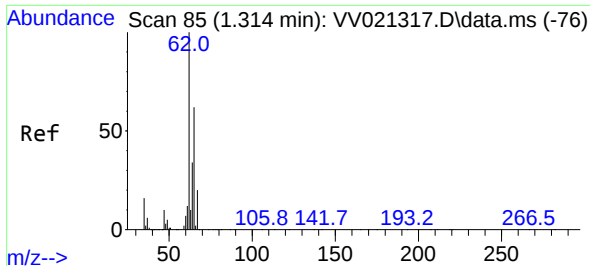
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#3
 Chloromethane
 Concen: 2.56 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.000 min
 Lab File: VV021321.D
 Acq: 07 May 2021 12:56

Tgt Ion: 50 Resp: 7971
 Ion Ratio Lower Upper
 50 100
 52 32.4 22.7 42.1





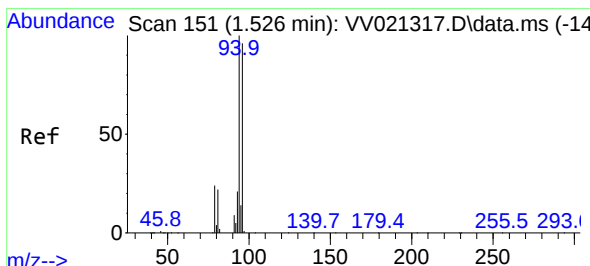
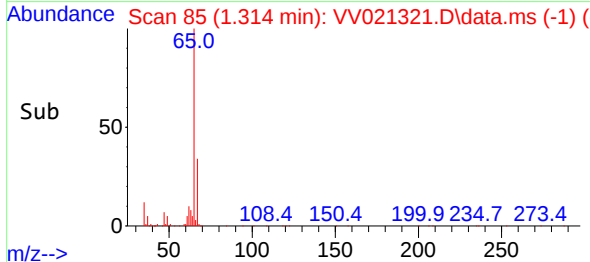
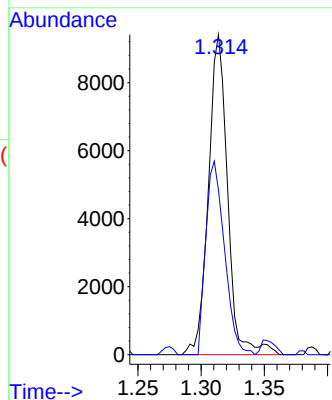
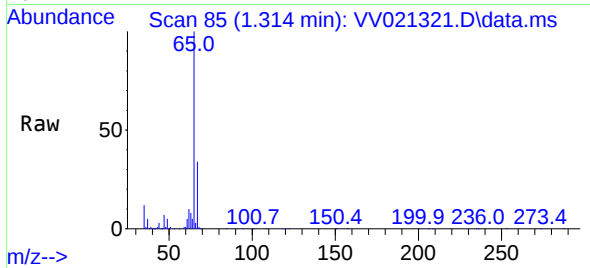
#5
 Vinyl chloride
 Concen: 2.56 ug/L m
 RT: 1.314 min Scan# 85
 Delta R.T. 0.000 min
 Lab File: VV021321.D
 Acq: 07 May 2021 12:56

Tgt Ion: 62 Resp: 9936
 Ion Ratio Lower Upper
 62 100
 64 51.5 23.2 43.2#

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-MED-SOIL-QT3-2021-06

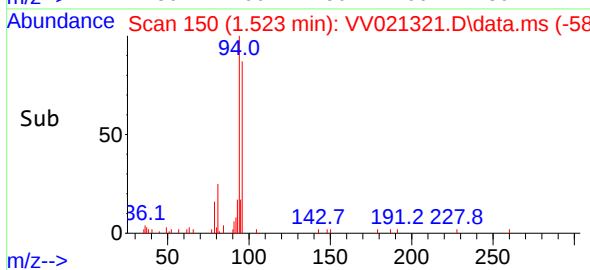
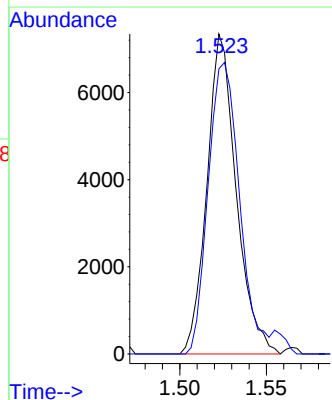
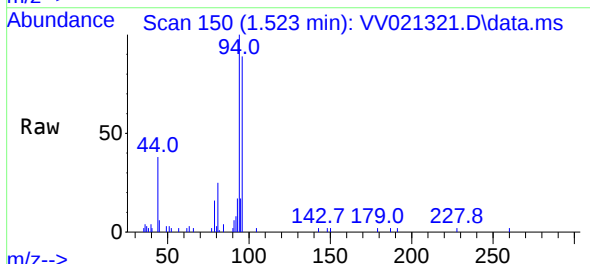
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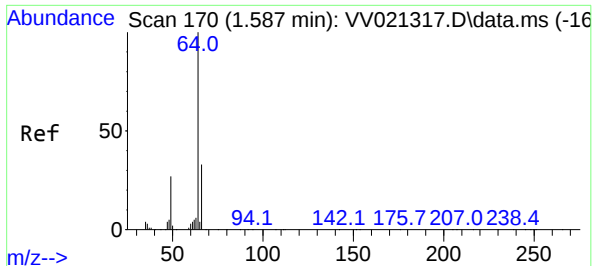
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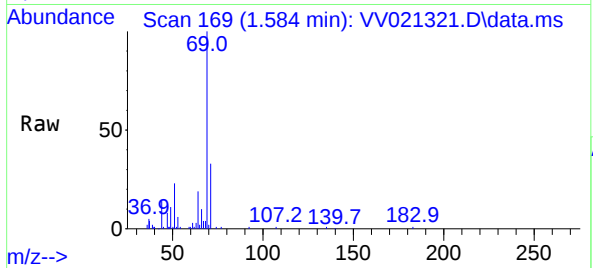
#6
 Bromomethane
 Concen: 2.84 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. -0.003 min
 Lab File: VV021321.D
 Acq: 07 May 2021 12:56

Tgt Ion: 94 Resp: 8658
 Ion Ratio Lower Upper
 94 100
 96 89.1 65.7 122.1

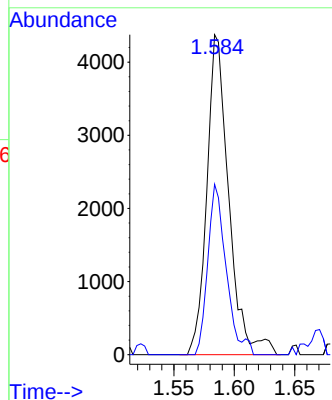




#8
Chloroethane
Concen: 2.20 ug/L m
RT: 1.584 min Scan# 169
Delta R.T. -0.003 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56



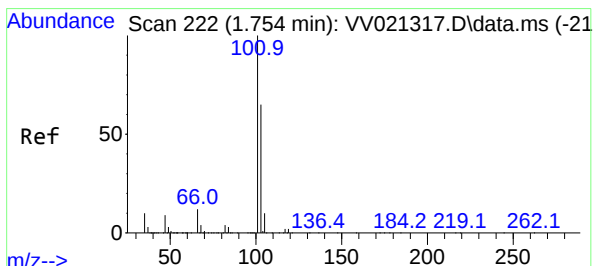
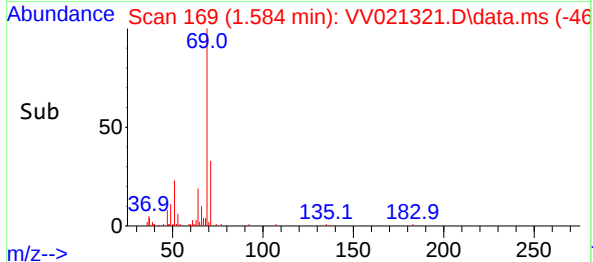
Tgt Ion: 64 Resp: 5515
Ion Ratio Lower Upper
64 100
66 53.3 23.7 43.9#



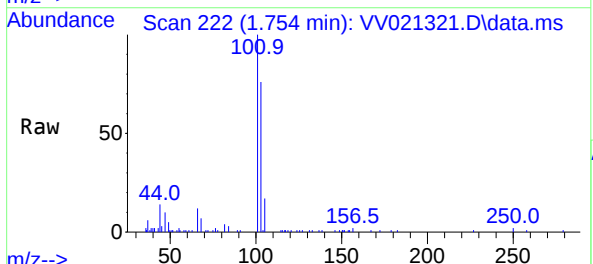
Instrument :
MSVOA_V
ClientSampleId :
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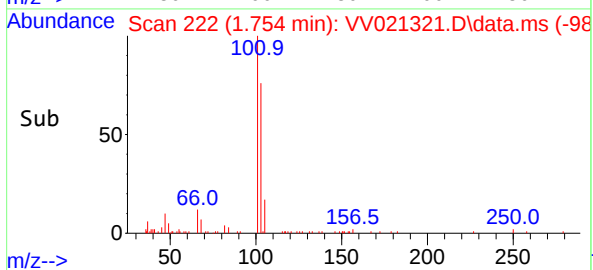
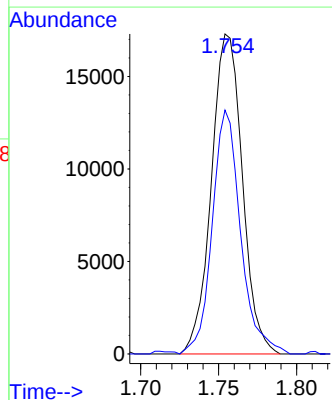
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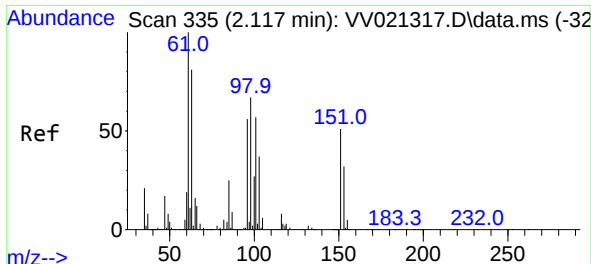


#9
Trichlorofluoromethane
Concen: 2.36 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.000 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56



Tgt Ion:101 Resp: 23982
Ion Ratio Lower Upper
101 100
103 69.6 53.0 79.6





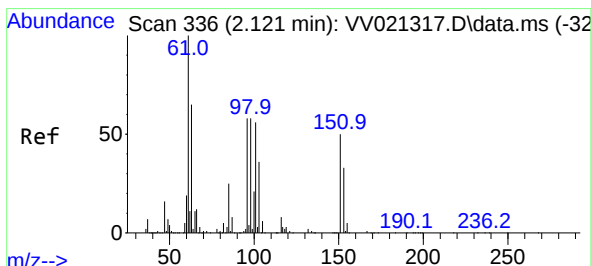
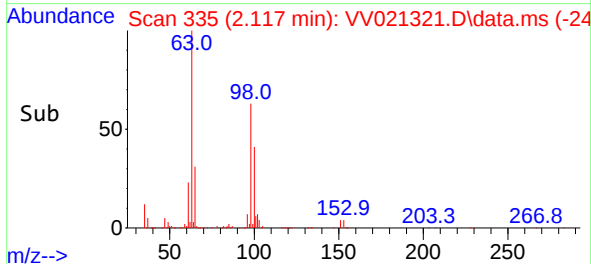
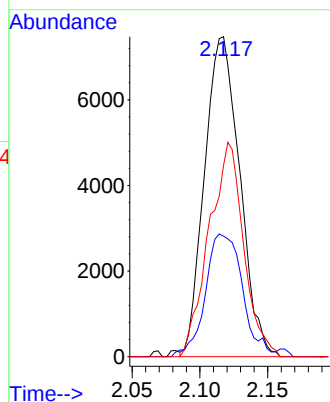
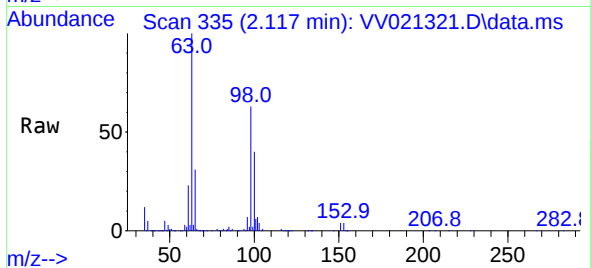
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.01 ug/L
RT: 2.117 min Scan# 335
Delta R.T. 0.000 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion:	101	Resp:	13528
Ion Ratio	Lower	Upper	
101	100		
85	39.1	35.4	53.2
151	65.8	63.9	95.9

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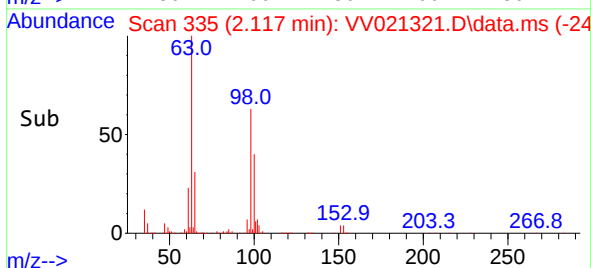
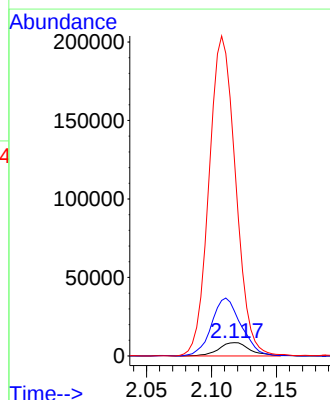
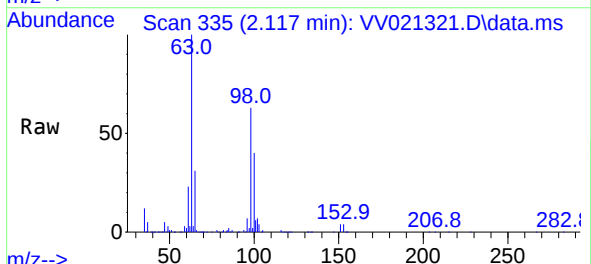
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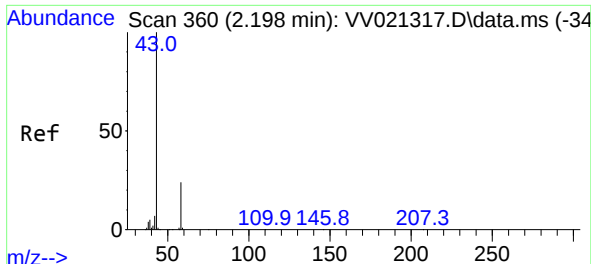
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#12
1,1-Dichloroethene
Concen: 3.51 ug/L
RT: 2.117 min Scan# 335
Delta R.T. -0.003 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion:	96	Resp:	14072
Ion Ratio	Lower	Upper	
96	100		
61	337.7	121.4	225.6#
63	1483.5	98.1	182.1#





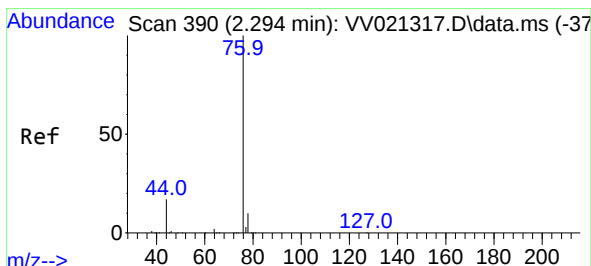
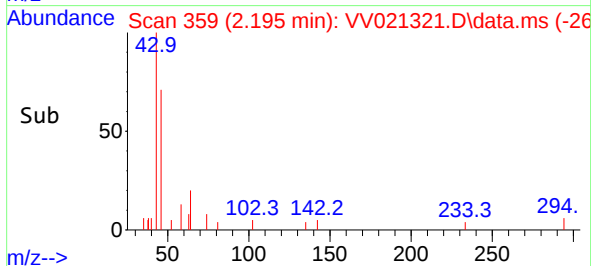
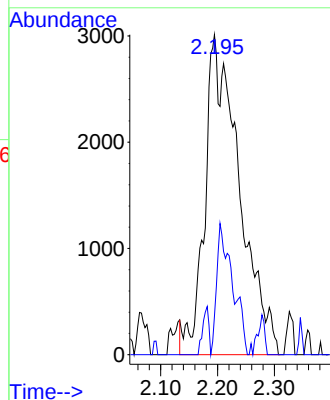
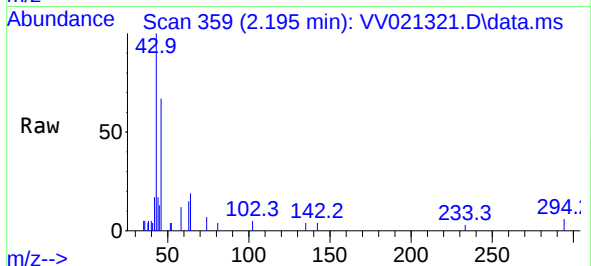
#13
Acetone
Concen: 4.70 ug/L m
RT: 2.195 min Scan# 359
Delta R.T. -0.003 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion: 43 Resp: 12680
Ion Ratio Lower Upper
43 100
58 0.6 0.0 30.8

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

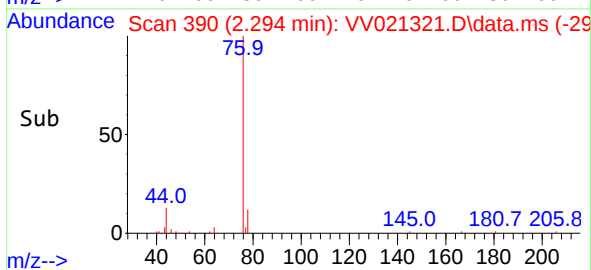
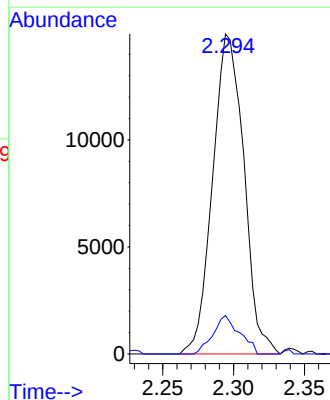
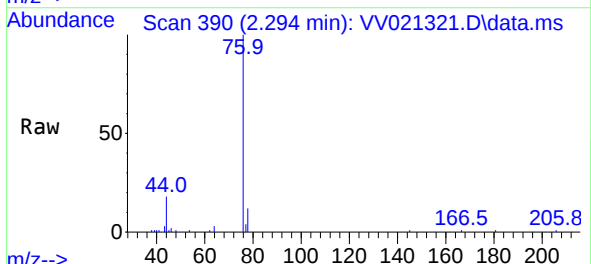
Manual Integrations
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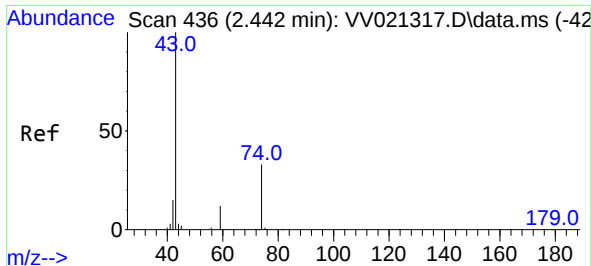
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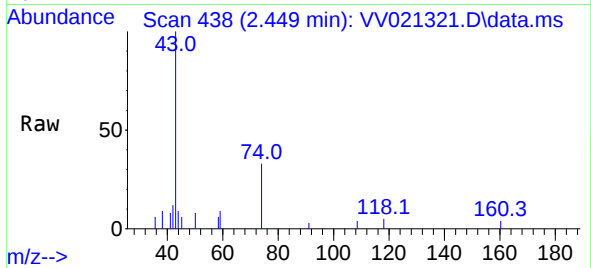
#14
Carbon disulfide
Concen: 2.28 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.000 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion: 76 Resp: 22907
Ion Ratio Lower Upper
76 100
78 12.0 7.4 11.2#

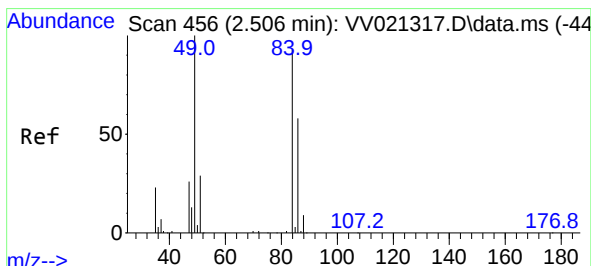
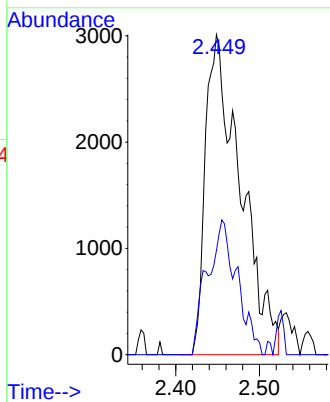
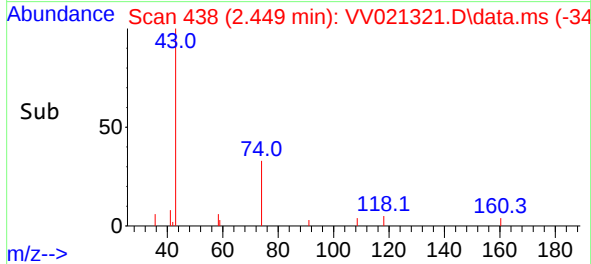




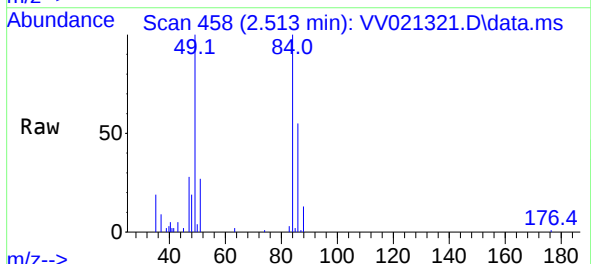
#15
Methyl Acetate
Concen: 2.68 ug/L m
RT: 2.449 min Scan# 438
Delta R.T. 0.006 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56



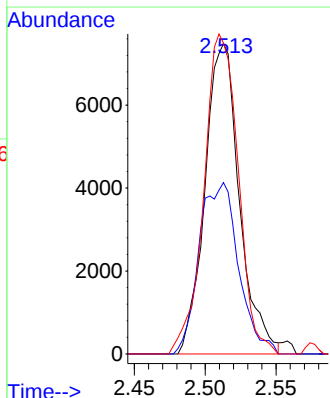
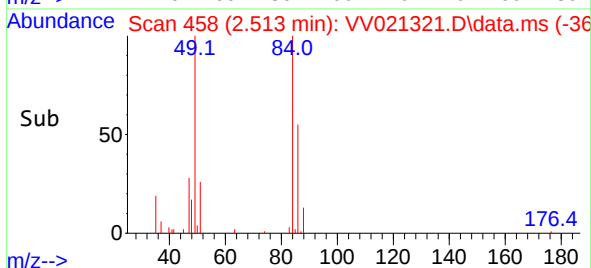
Tgt Ion: 43 Resp: 8721
Ion Ratio Lower Upper
43 100
74 0.5 21.2 31.8#



#16
Methylene chloride
Concen: 3.08 ug/L
RT: 2.513 min Scan# 458
Delta R.T. 0.006 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56



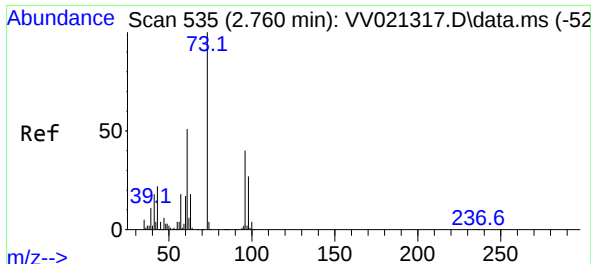
Tgt Ion: 84 Resp: 12655
Ion Ratio Lower Upper
84 100
86 55.2 44.9 83.5
49 100.1 78.1 145.1



Instrument :
MSVOA_V
ClientSampleId :
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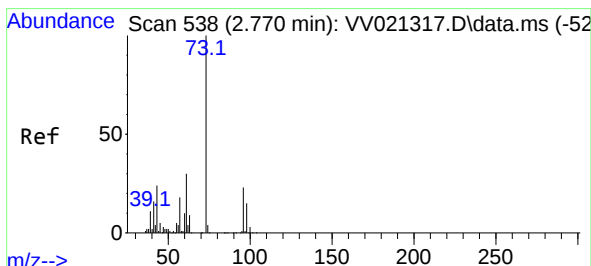
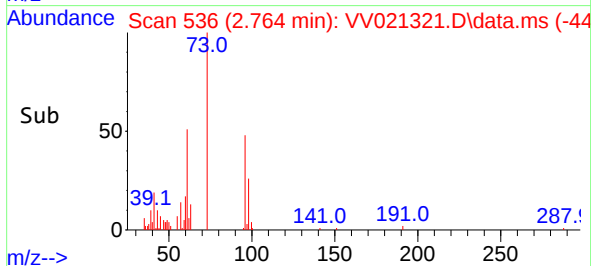
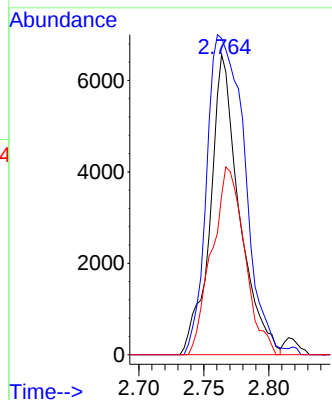
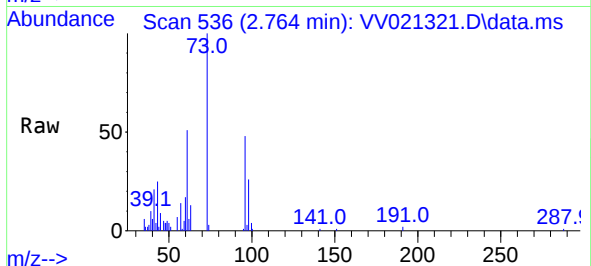
#17
trans-1,2-Dichloroethene
Concen: 2.55 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion:	96	Resp:	10230
Ion	Ratio	Lower	Upper
96	100		
61	105.4	89.3	165.9
98	53.1	44.1	81.9

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

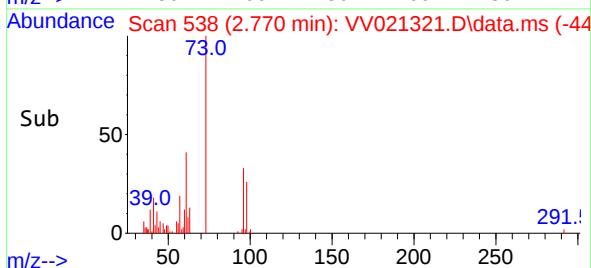
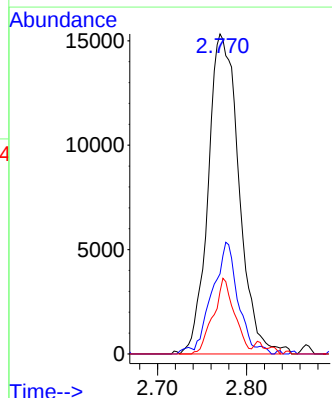
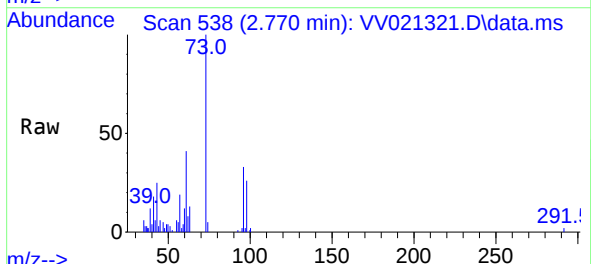
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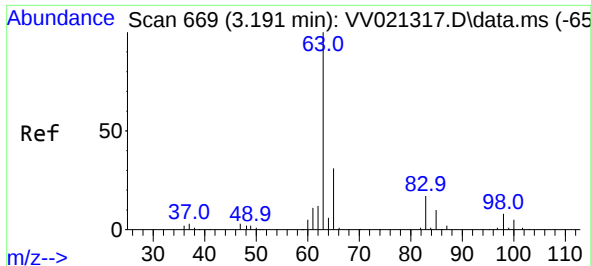
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#18
Methyl tert-butyl Ether
Concen: 2.54 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.000 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion:	73	Resp:	36630
Ion	Ratio	Lower	Upper
73	100		
43	27.0	14.7	22.1
57	16.4	15.9	23.9





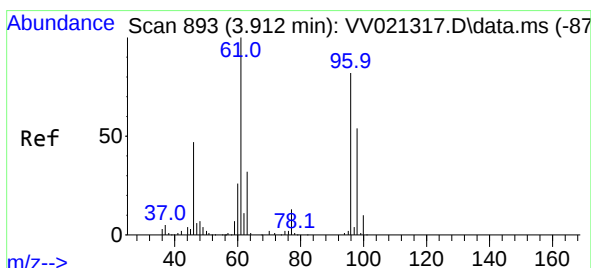
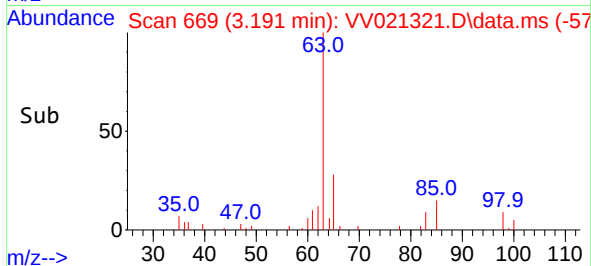
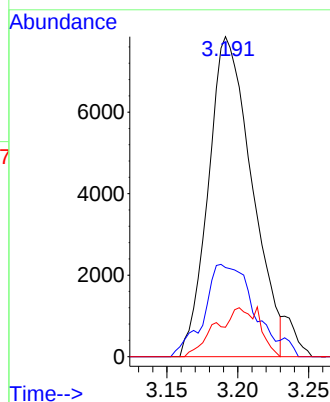
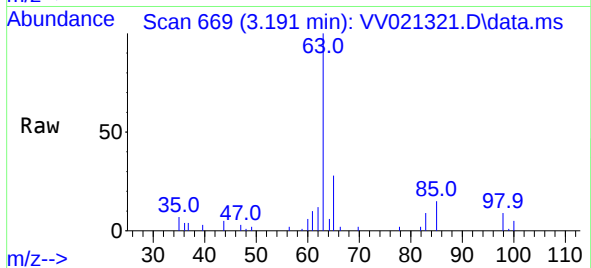
#19
1,1-Dichloroethane
Concen: 2.40 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.000 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion	Ratio	Lower	Upper
63	100		
65	27.8	21.9	40.7
83	9.2	10.6	19.6

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

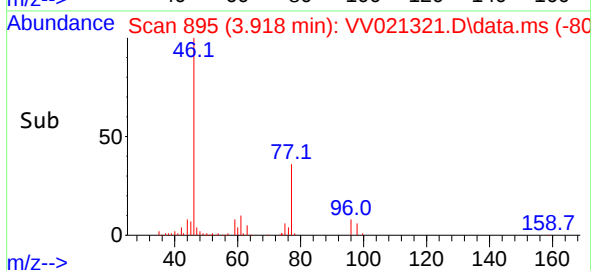
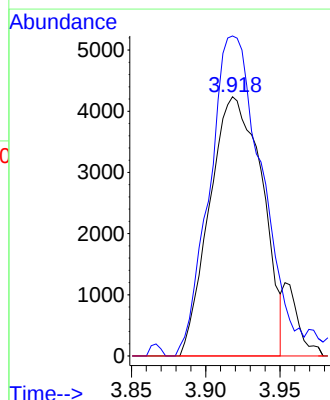
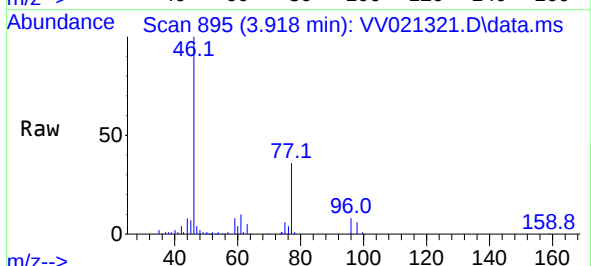
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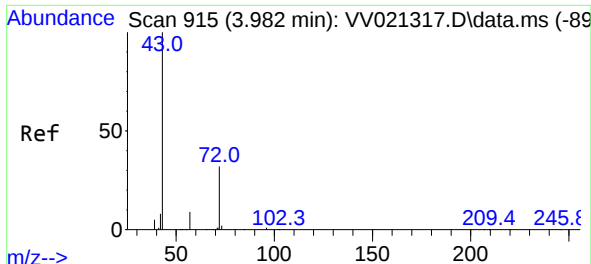
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#20
cis-1,2-Dichloroethene
Concen: 2.36 ug/L
RT: 3.918 min Scan# 895
Delta R.T. 0.006 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	123.5	84.4	156.7
68	0.0	0.0	0.0





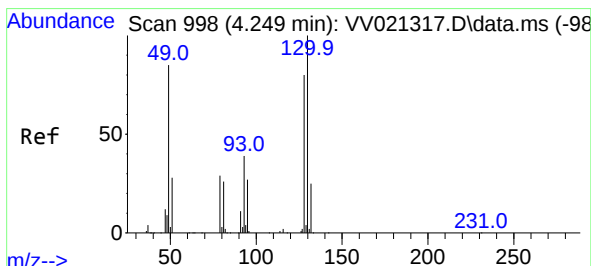
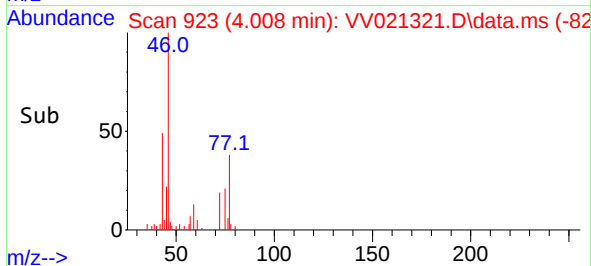
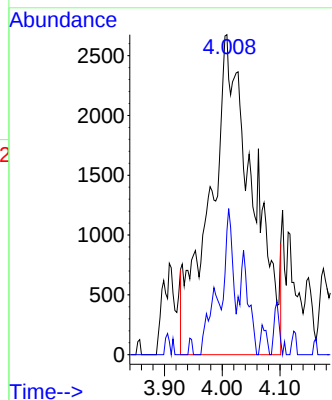
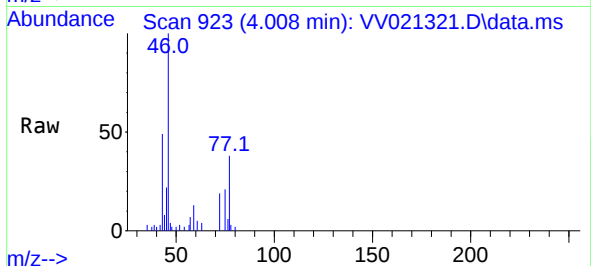
#22
2-Butanone
Concen: 5.34 ug/L m
RT: 4.008 min Scan# 923
Delta R.T. 0.026 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion: 43 Resp: 13751
Ion Ratio Lower Upper
43 100
72 2.6 13.2 39.6#

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

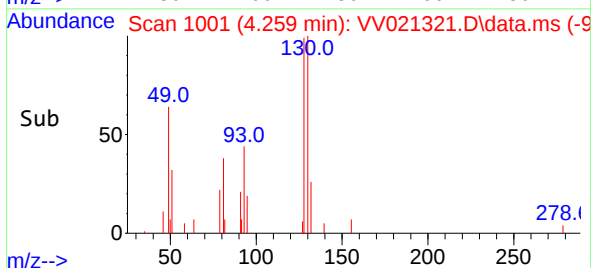
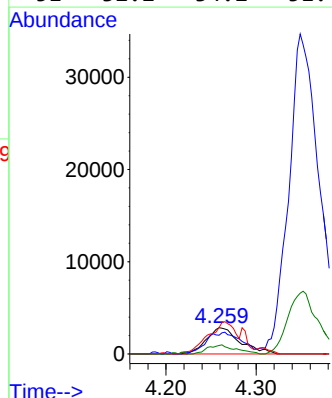
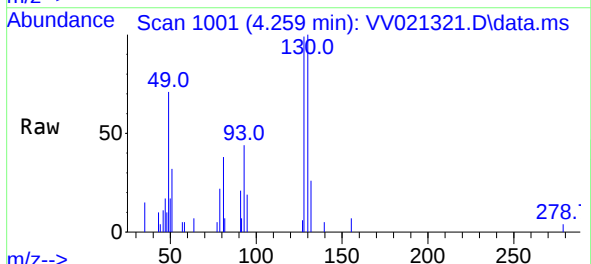
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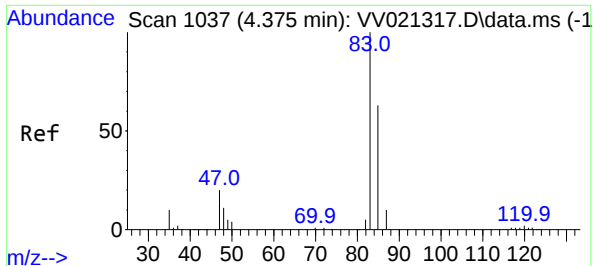
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#23
Bromochloromethane
Concen: 2.89 ug/L m
RT: 4.259 min Scan# 1001
Delta R.T. 0.010 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion: 128 Resp: 7310
Ion Ratio Lower Upper
128 100
49 71.2 91.3 169.6#
130 100.8 86.8 161.2
51 32.2 34.2 51.4#





#25

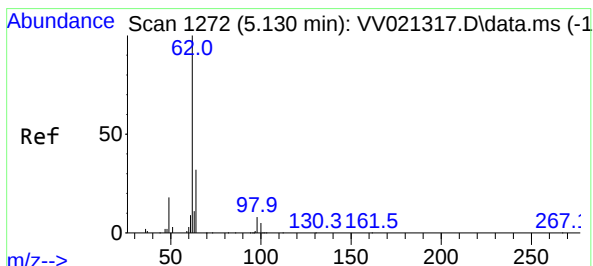
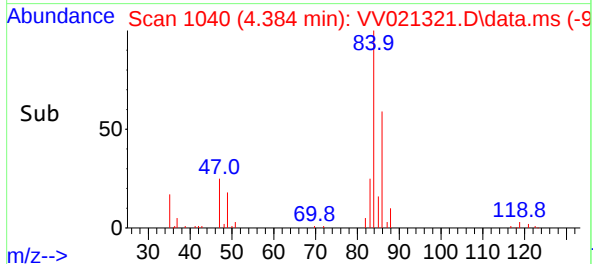
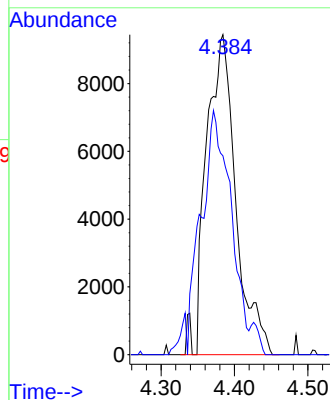
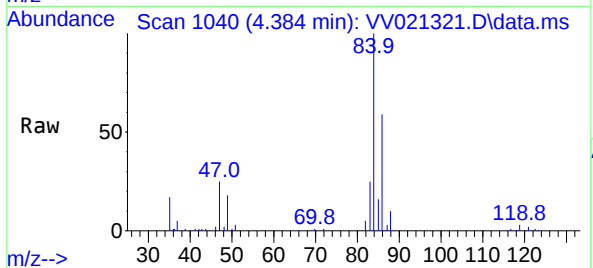
Chloroform
Concen: 2.88 ug/L m
RT: 4.384 min Scan# 1040
Delta R.T. 0.010 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion: 83 Resp: 26361
Ion Ratio Lower Upper
83 100
85 62.1 45.6 84.6

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

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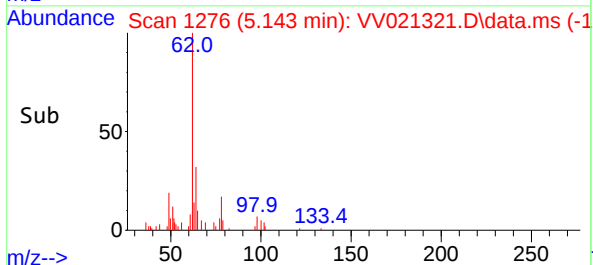
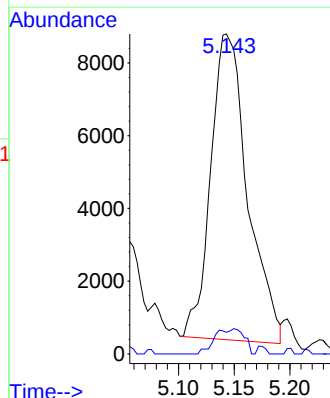
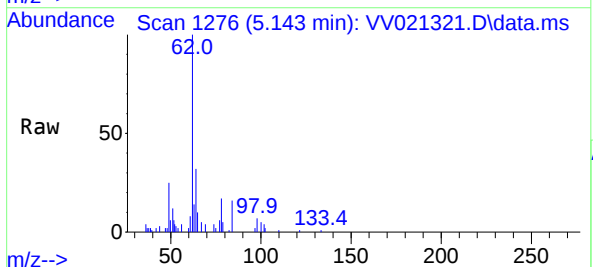
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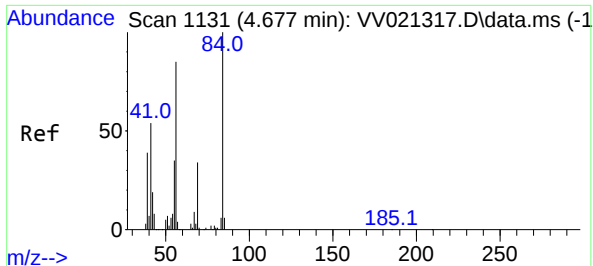


#27

1,2-Dichloroethane
Concen: 2.32 ug/L
RT: 5.143 min Scan# 1276
Delta R.T. 0.013 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion: 62 Resp: 19374
Ion Ratio Lower Upper
62 100
98 6.8 6.7 10.1





#29

Cyclohexane

Concen: 2.32 ug/L m

RT: 4.683 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VV021321.D

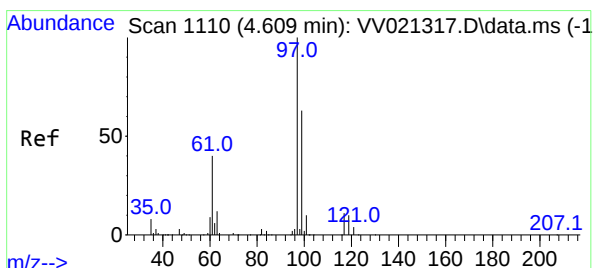
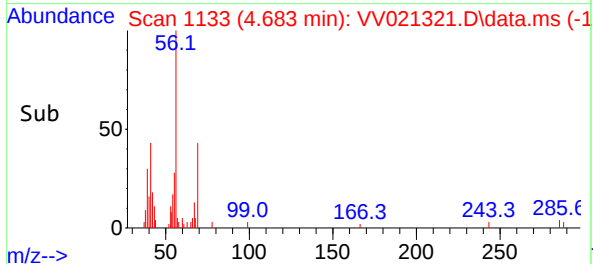
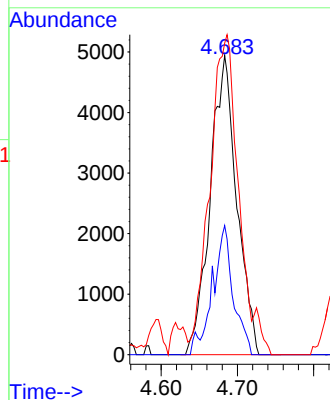
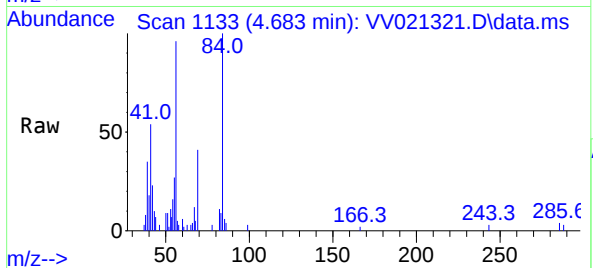
Acq: 07 May 2021 12:56

Tgt Ion:	56	Resp:	11963
Ion	Ratio	Lower	Upper
56	100		
69	7.6	25.7	38.5#
84	0.0	75.7	113.5#

Instrument :
MSVOA_V
ClientSampleId :
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#30

1,1,1-Trichloroethane

Concen: 2.60 ug/L m

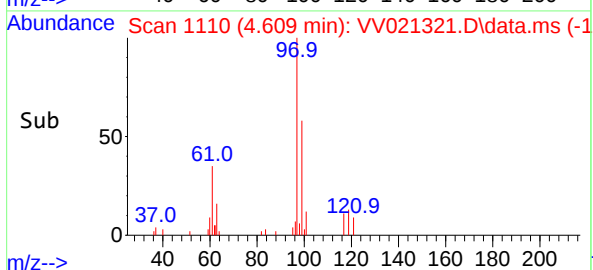
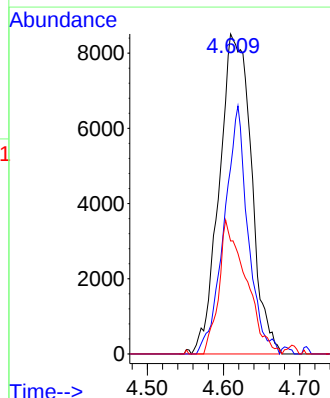
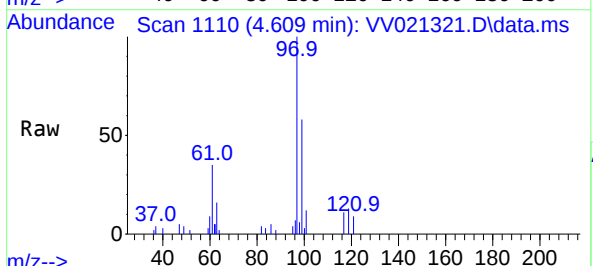
RT: 4.609 min Scan# 1110

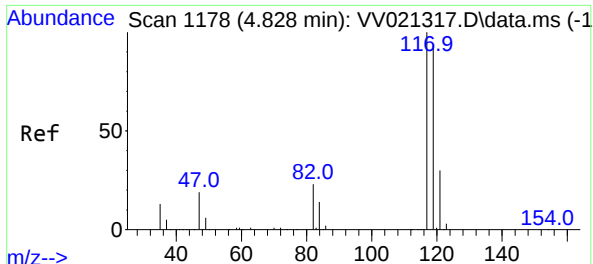
Delta R.T. 0.000 min

Lab File: VV021321.D

Acq: 07 May 2021 12:56

Tgt Ion:	97	Resp:	24864
Ion	Ratio	Lower	Upper
97	100		
99	57.1	51.6	77.4
61	33.8	32.1	48.1





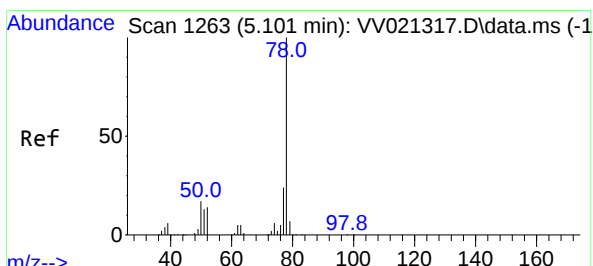
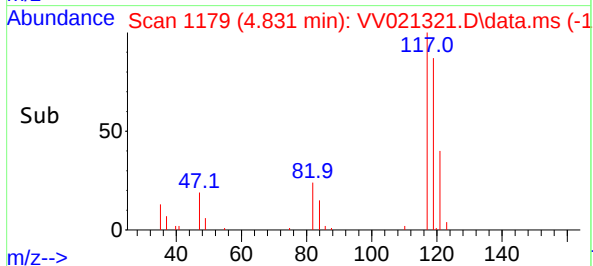
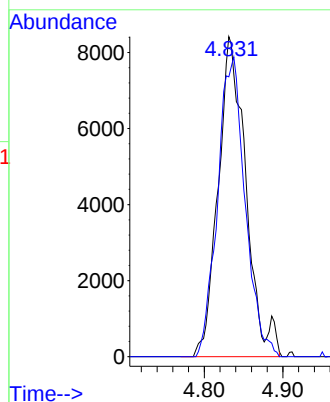
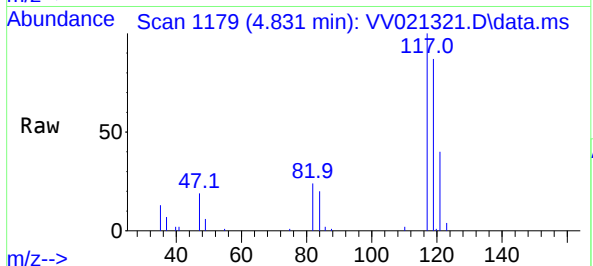
#31
Carbon tetrachloride
Concen: 2.31 ug/L m
RT: 4.831 min Scan# 1179
Delta R.T. 0.003 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Instrument :
MSVOA_V
ClientSampleId :
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Tgt Ion:117 Resp: 20588
Ion Ratio Lower Upper
117 100
119 8.0 75.4 113.2#

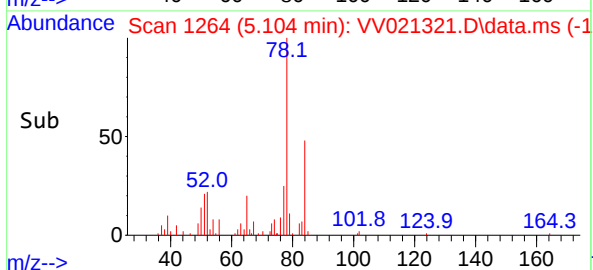
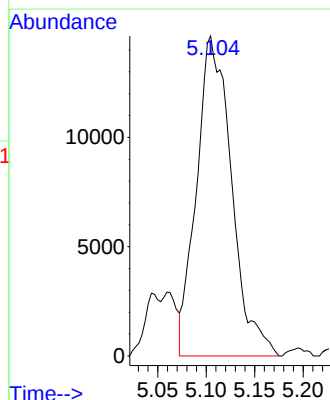
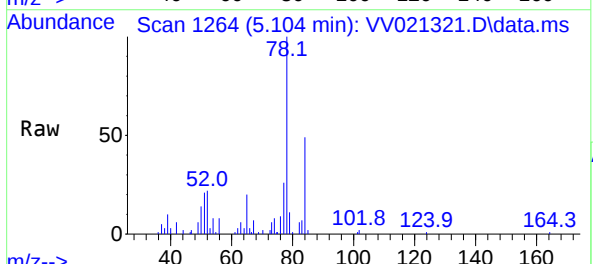
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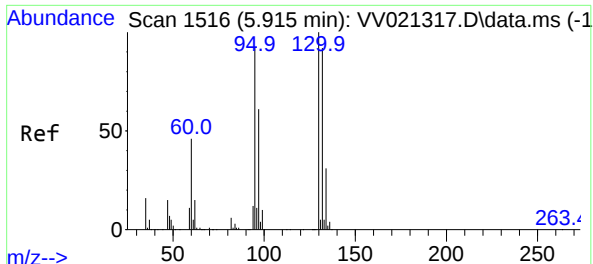
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#33
Benzene
Concen: 2.34 ug/L m
RT: 5.104 min Scan# 1264
Delta R.T. 0.003 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

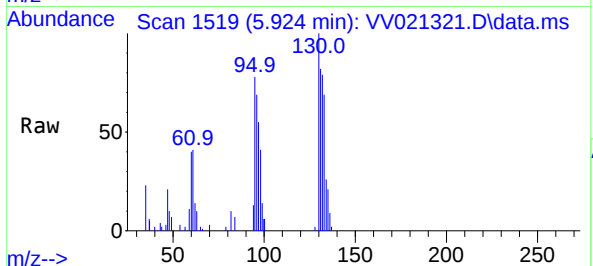
Tgt Ion: 78 Resp: 36689





#34
Trichloroethene
Concen: 2.43 ug/L
RT: 5.924 min Scan# 1519
Delta R.T. 0.010 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

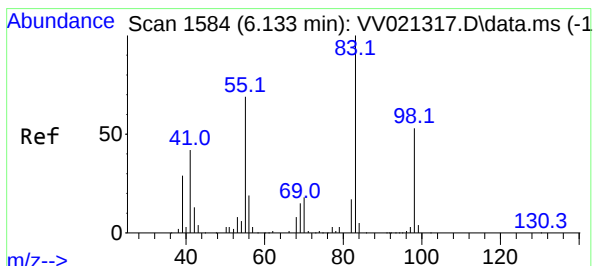
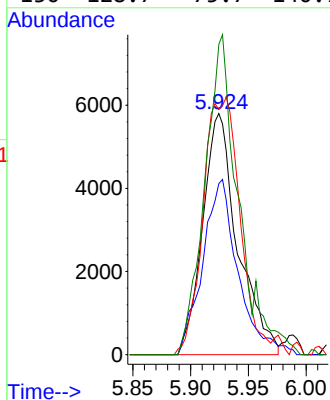
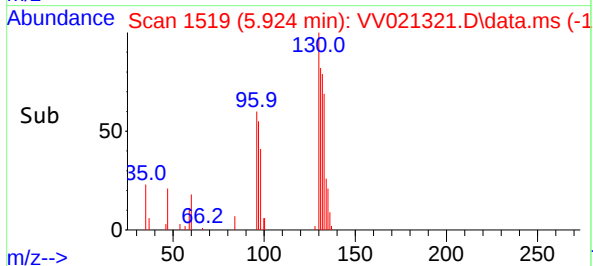


Tgt Ion: 95 Resp: 12248

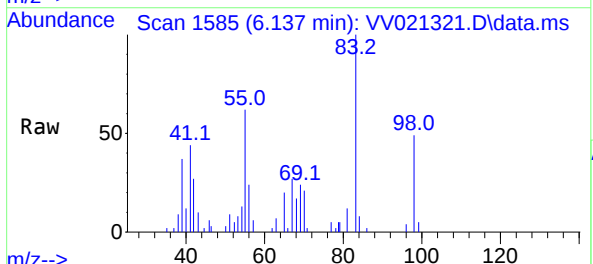
Ion	Ratio	Lower	Upper
95	100		
97	70.9	45.5	84.5
132	101.7	71.0	131.8
130	128.7	75.7	140.7

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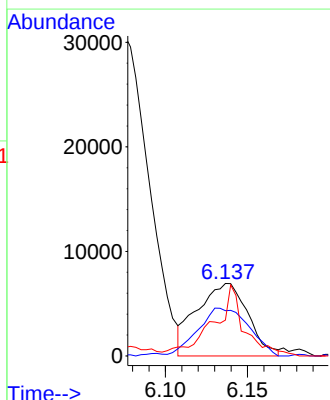
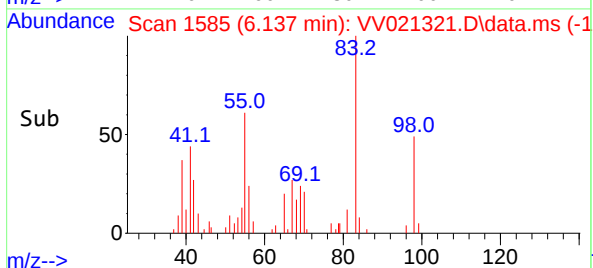


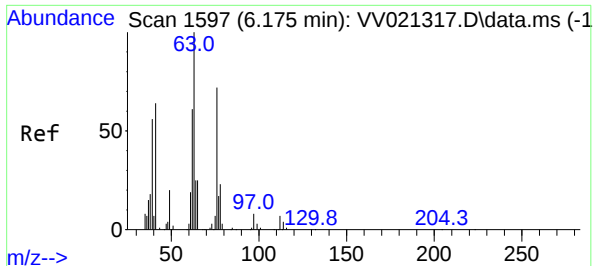
#35
Methylcyclohexane
Concen: 2.27 ug/L
RT: 6.137 min Scan# 1585
Delta R.T. 0.003 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56



Tgt Ion: 83 Resp: 14978

Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.2	87.2#
98	13.5	40.6	60.8#





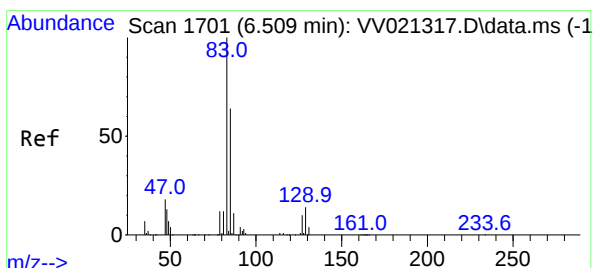
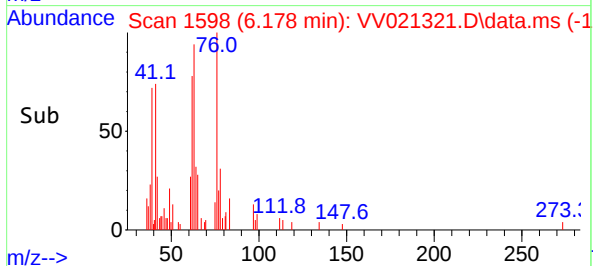
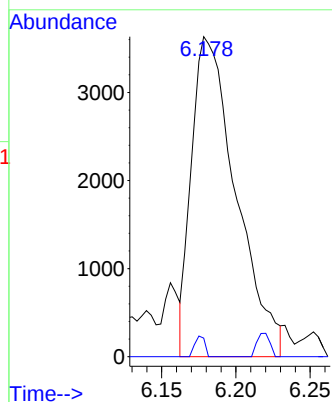
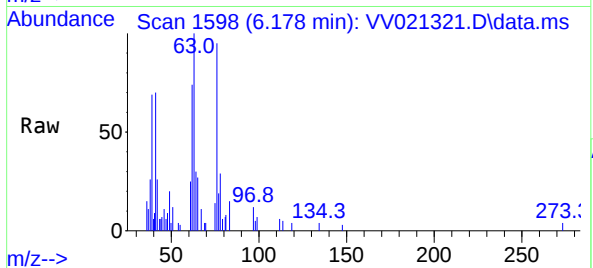
#37
1,2-Dichloropropane
Concen: 2.28 ug/L
RT: 6.178 min Scan# 1598
Delta R.T. 0.003 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion: 63 Resp: 7558
Ion Ratio Lower Upper
63 100
112 1.5 3.9 5.9#

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

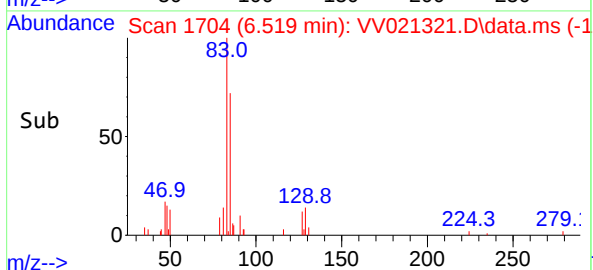
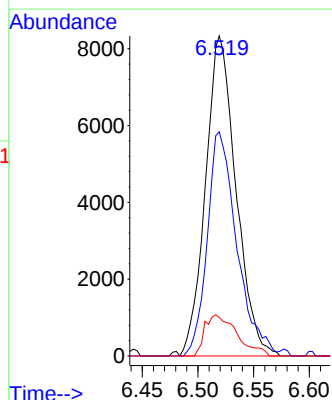
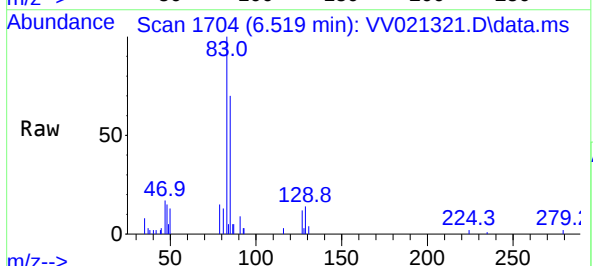
Manual Integrations
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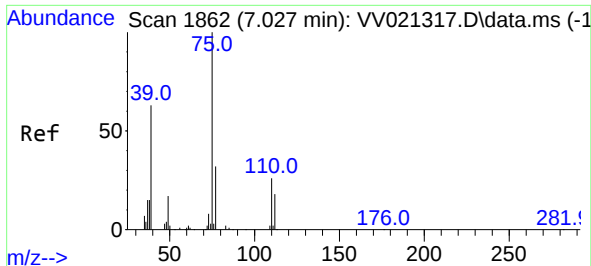
MMDadoda
5/11/2021 1:52:47 PM



#38
Bromodichloromethane
Concen: 2.26 ug/L
RT: 6.519 min Scan# 1704
Delta R.T. 0.010 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion: 83 Resp: 15896
Ion Ratio Lower Upper
83 100
85 70.0 46.2 85.8
127 12.0 7.4 11.0#





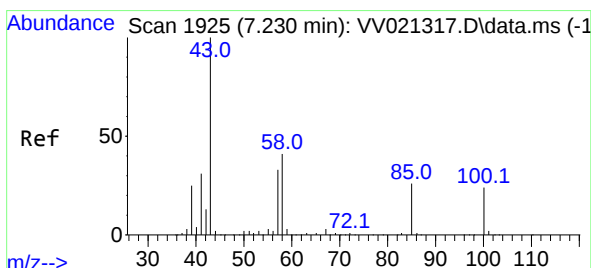
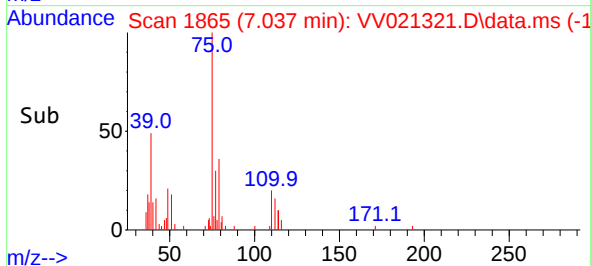
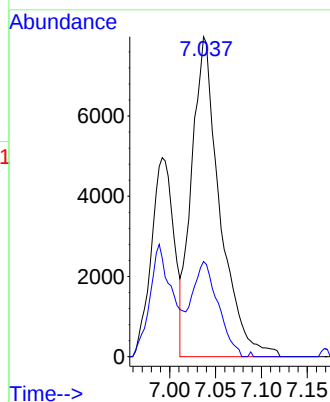
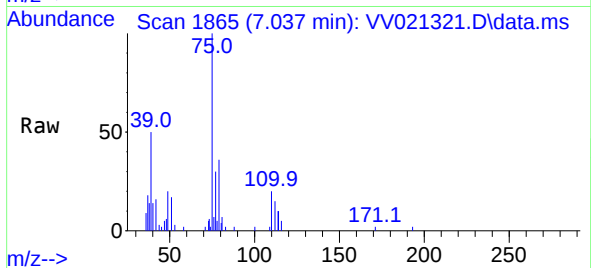
#39
cis-1,3-Dichloropropene
Concen: 2.65 ug/L
RT: 7.037 min Scan# 1865
Delta R.T. 0.010 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion: 75 Resp: 17080
Ion Ratio Lower Upper
75 100
77 29.7 21.8 40.6

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

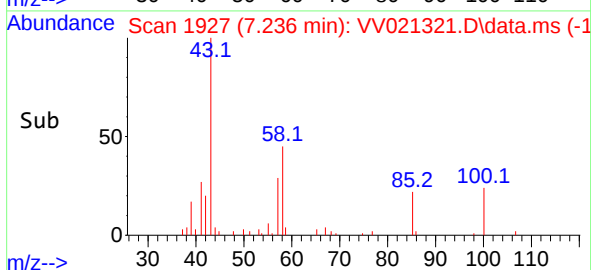
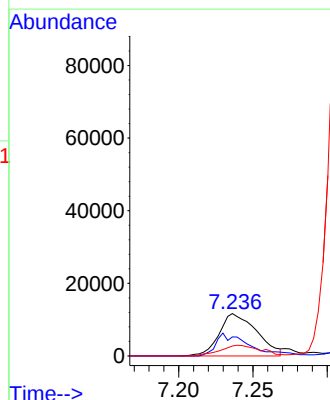
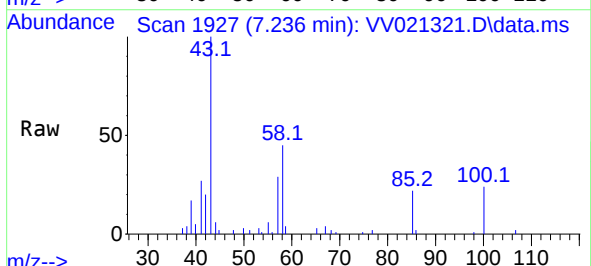
Manual Integrations
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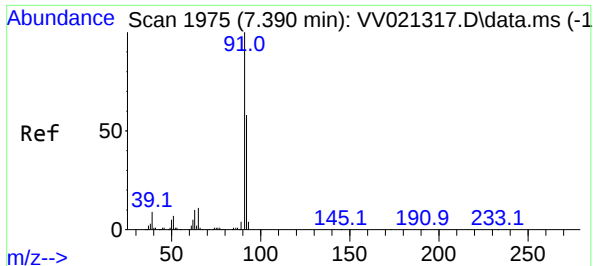
MMDadoda
5/11/2021 1:52:47 PM



#40
4-Methyl-2-pentanone
Concen: 4.38 ug/L
RT: 7.236 min Scan# 1927
Delta R.T. 0.006 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion: 43 Resp: 20542
Ion Ratio Lower Upper
43 100
58 18.2 34.5 51.7#
100 23.1 15.2 22.8#





#42

Toluene

Concen: 2.97 ug/L

RT: 7.397 min Scan# 1977

Delta R.T. 0.006 min

Lab File: VV021321.D

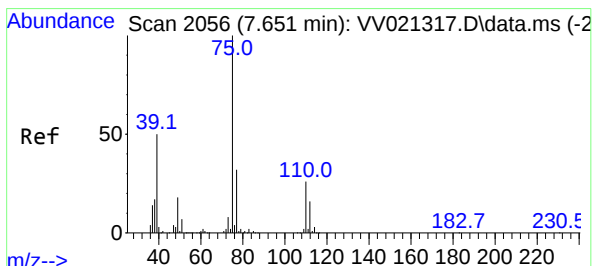
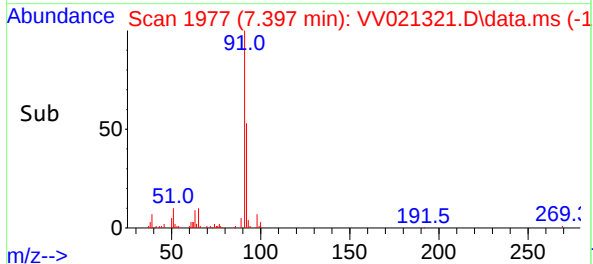
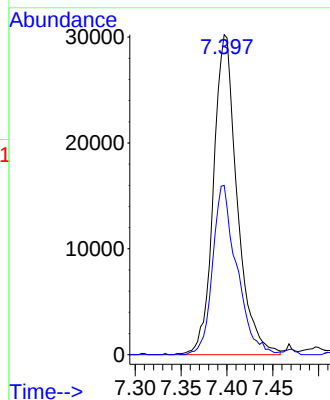
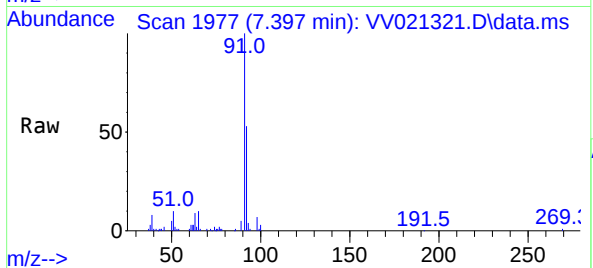
Acq: 07 May 2021 12:56

Tgt Ion: 91 Resp: 54322

Ion Ratio Lower Upper

91 100

92 52.9 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 2.27 ug/L

RT: 7.657 min Scan# 2058

Delta R.T. 0.006 min

Lab File: VV021321.D

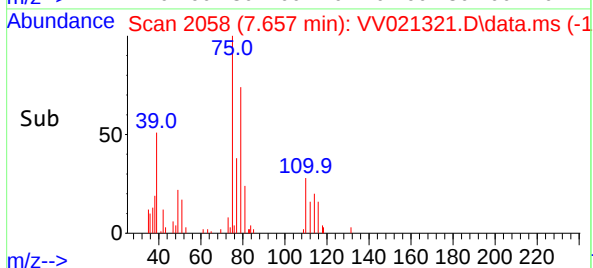
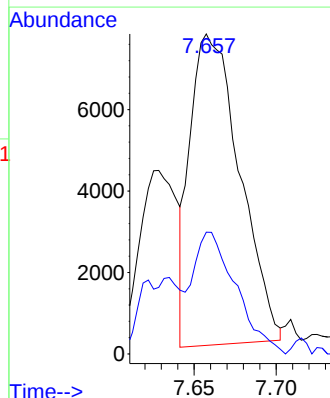
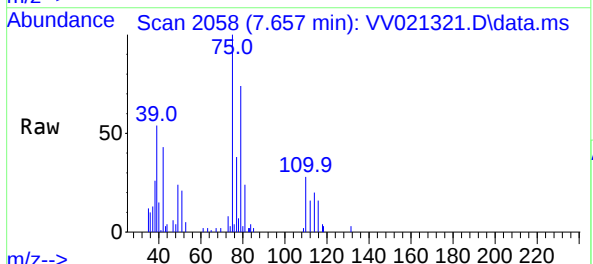
Acq: 07 May 2021 12:56

Tgt Ion: 75 Resp: 16013

Ion Ratio Lower Upper

75 100

77 38.0 21.8 40.6



Instrument :

MSVOA_V

ClientSampleId :

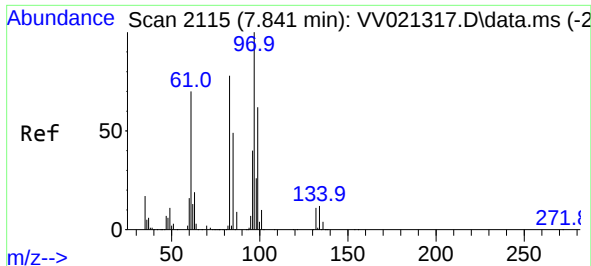
MDL-MED-MED-SOIL-QT3-2021-06

Manual Integrations

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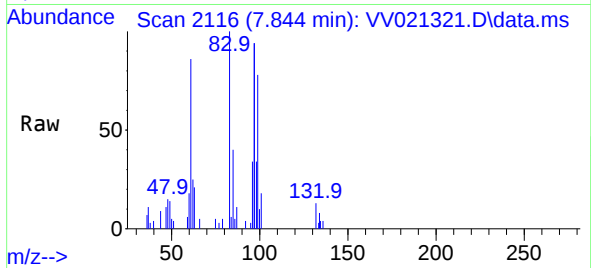
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#45
1,1,2-Trichloroethane
Concen: 2.56 ug/L m
RT: 7.844 min Scan# 2116
Delta R.T. 0.003 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

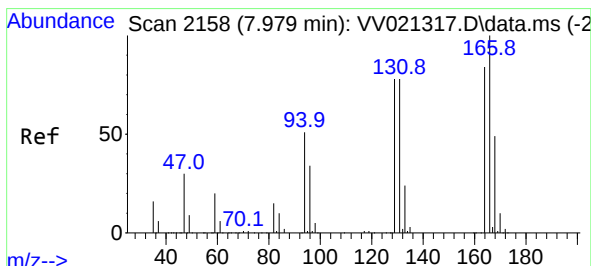
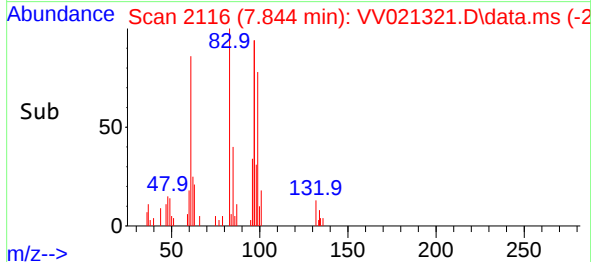
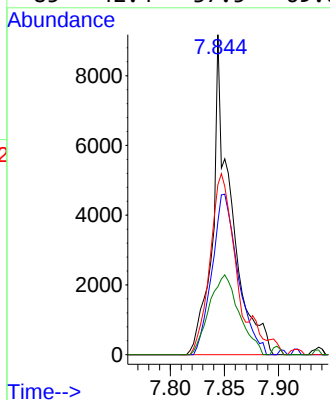
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06



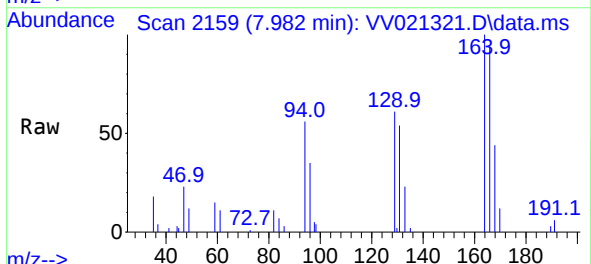
Tgt Ion: 97 Resp: 10878
Ion Ratio Lower Upper
97 100
99 82.7 43.7 81.1#
83 105.9 59.6 110.6
85 42.4 37.5 69.6

Manual Integrations
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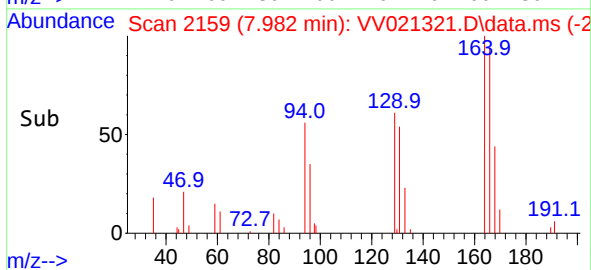
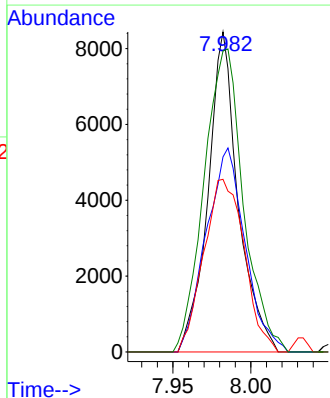
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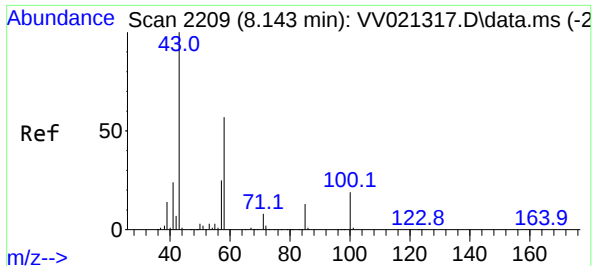


#46
Tetrachloroethene
Concen: 2.63 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. 0.003 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56



Tgt Ion: 164 Resp: 11384
Ion Ratio Lower Upper
164 100
129 61.0 63.8 118.4#
131 54.0 59.3 110.1#
166 94.1 87.7 162.9





#48
2-Hexanone
Concen: 8.58 ug/L
RT: 8.149 min Scan# 2211
Delta R.T. 0.006 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

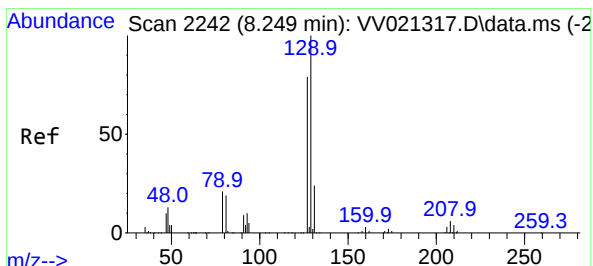
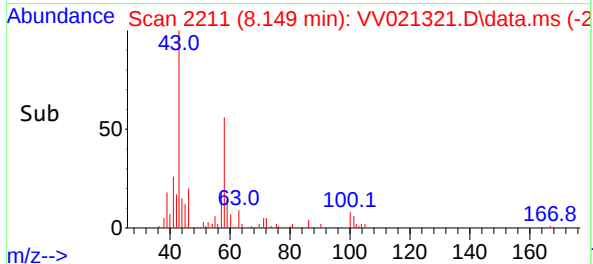
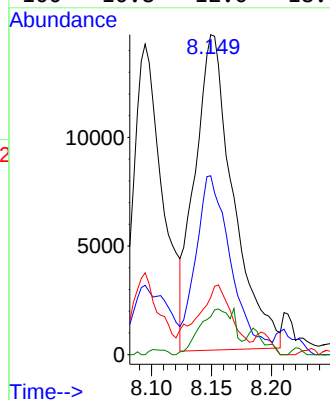
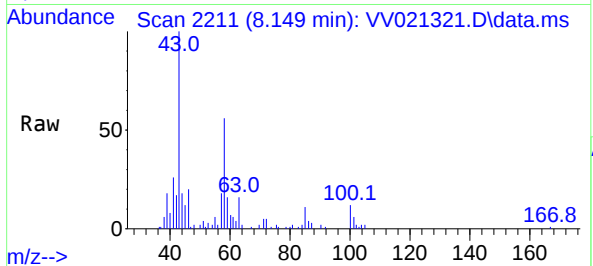
Tgt Ion: 43 Resp: 32322

Ion	Ratio	Lower	Upper
43	100		
58	44.4	46.8	70.2#
57	18.2	17.6	26.4
100	10.8	12.0	18.0#

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

Manual Integrations
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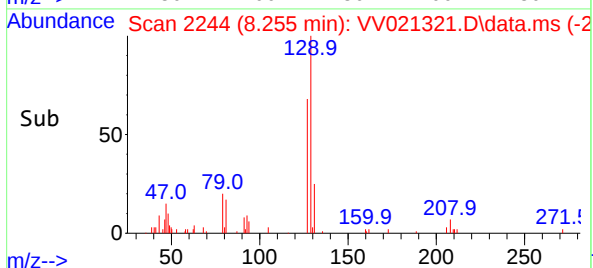
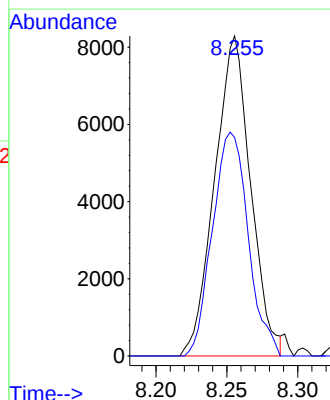
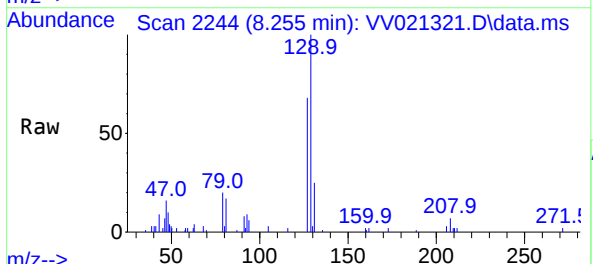
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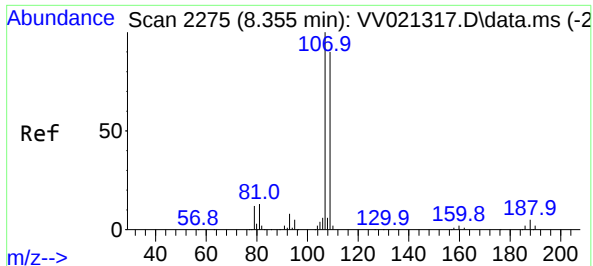


#49
Dibromochloromethane
Concen: 2.43 ug/L
RT: 8.255 min Scan# 2244
Delta R.T. 0.006 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion: 129 Resp: 14652

Ion	Ratio	Lower	Upper
129	100		
127	68.3	55.2	102.6





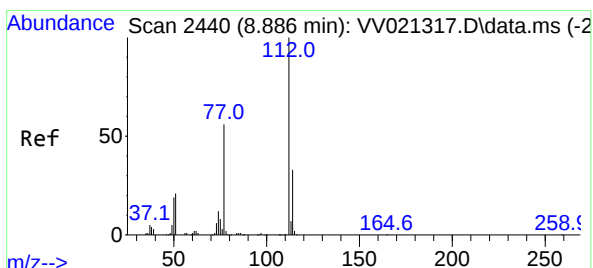
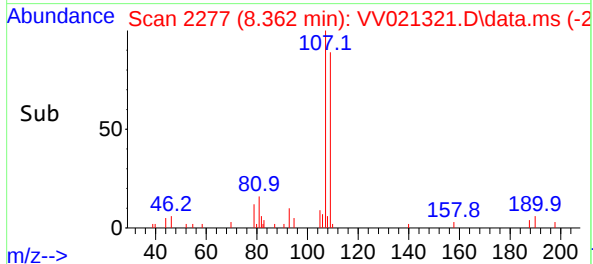
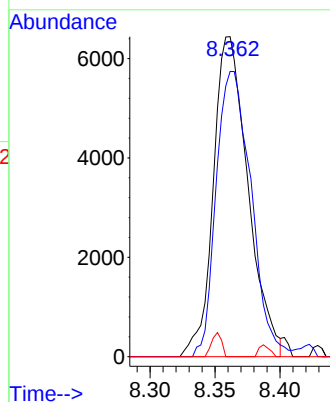
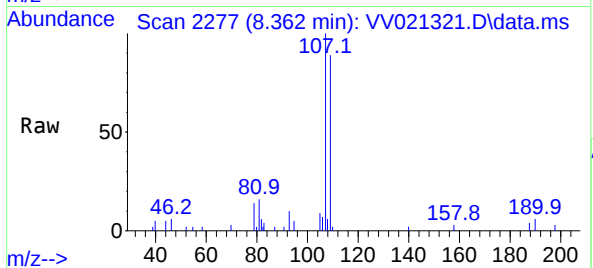
#50
1,2-Dibromoethane
Concen: 2.50 ug/L
RT: 8.362 min Scan# 2277
Delta R.T. 0.006 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion:	107	Resp:	11943
Ion	Ratio	Lower	Upper
107	100		
109	89.1	63.8	118.6
188	0.0	3.4	5.0#

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

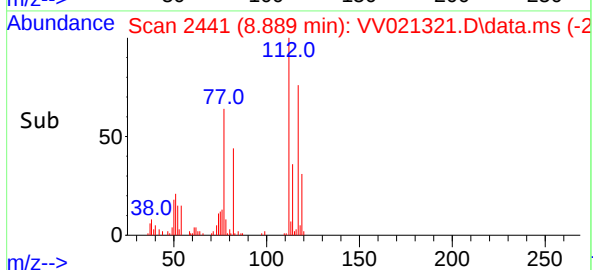
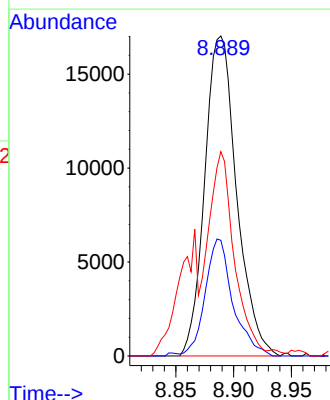
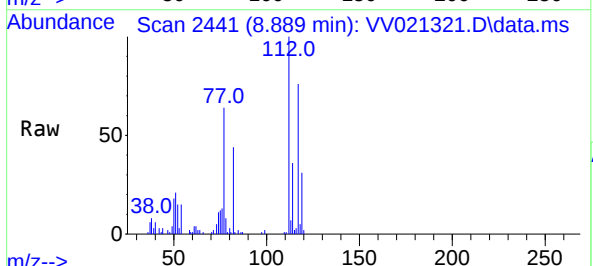
Manual Integrations
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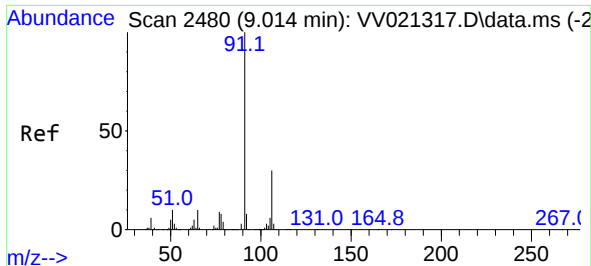
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#51
Chlorobenzene
Concen: 2.60 ug/L
RT: 8.889 min Scan# 2441
Delta R.T. 0.003 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion:	112	Resp:	32801
Ion	Ratio	Lower	Upper
112	100		
114	36.1	22.8	42.4
77	63.9	44.2	66.2





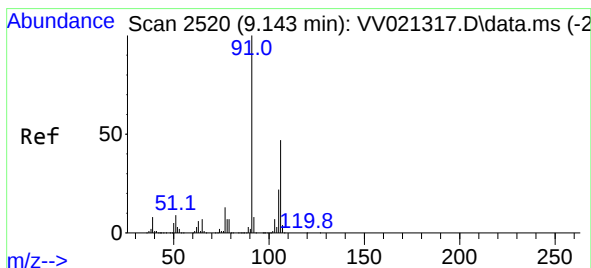
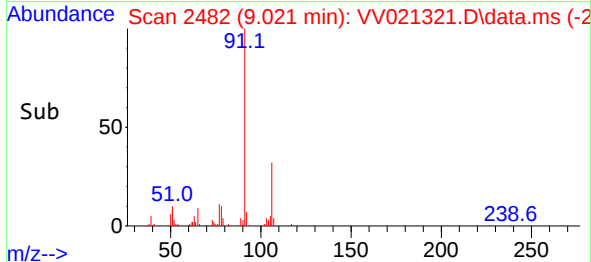
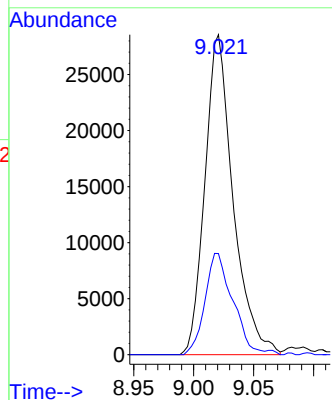
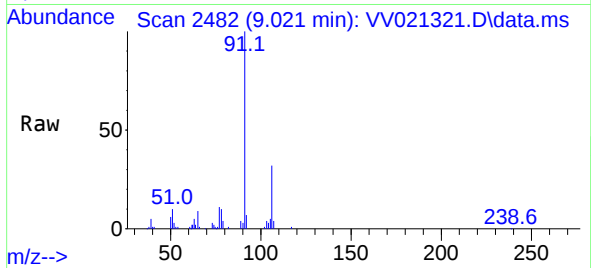
#52
Ethylbenzene
Concen: 2.22 ug/L
RT: 9.021 min Scan# 2482
Delta R.T. 0.006 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion: 91 Resp: 46765
Ion Ratio Lower Upper
91 100
106 31.6 21.8 40.4

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

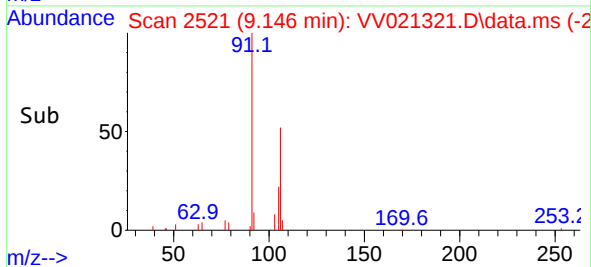
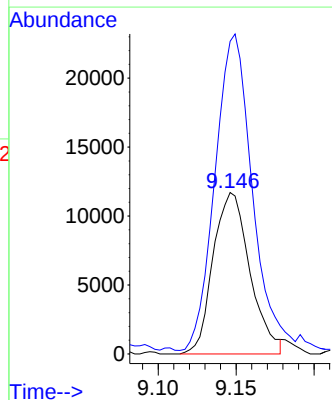
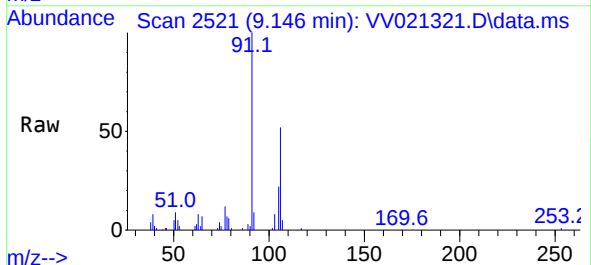
Manual Integrations
APPROVED

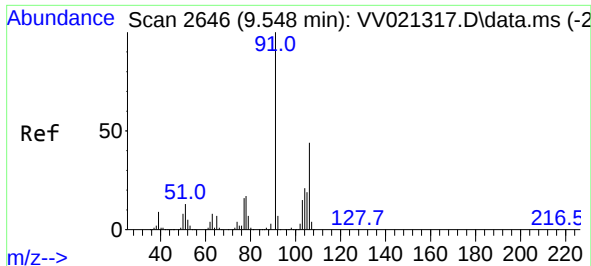
MMDadoda
5/11/2021 1:52:47 PM



#53
m,p-Xylene
Concen: 2.32 ug/L
RT: 9.146 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion: 106 Resp: 19233
Ion Ratio Lower Upper
106 100
91 193.6 144.3 267.9





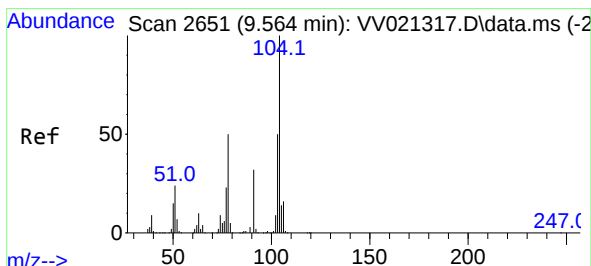
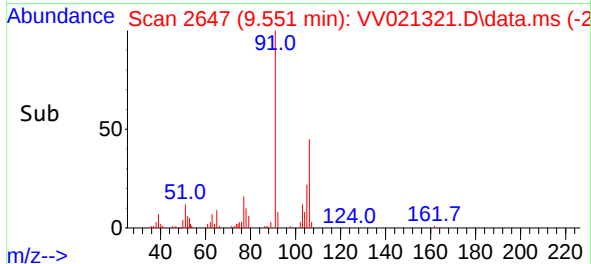
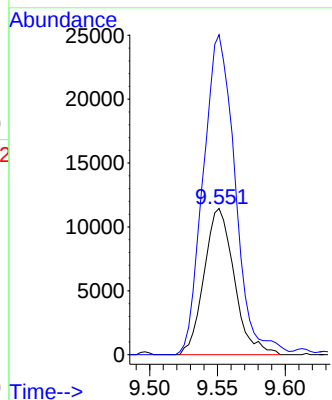
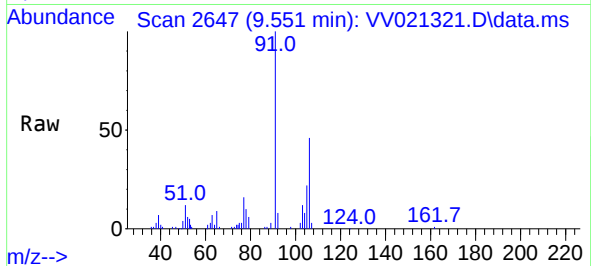
#54
o-Xylene
Concen: 2.22 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.003 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion:106 Resp: 17705
Ion Ratio Lower Upper
106 100
91 218.9 150.4 279.4

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

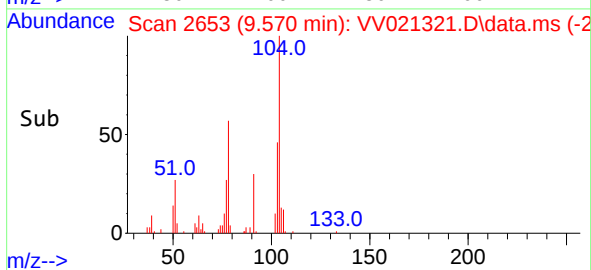
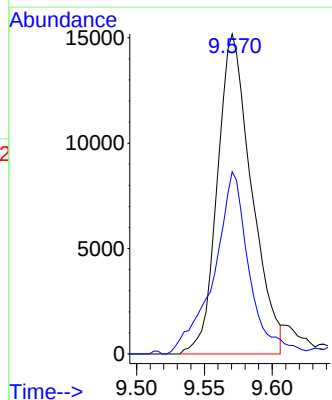
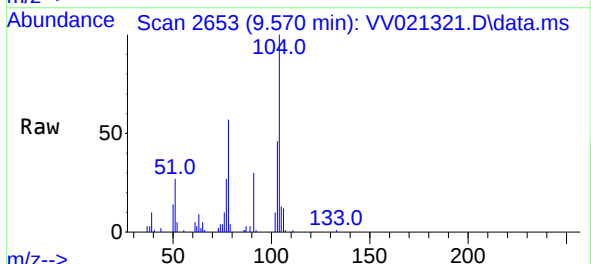
Manual Integrations
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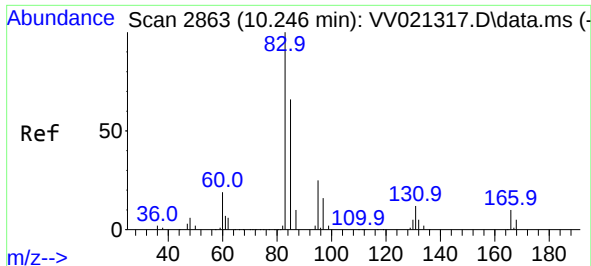
MMDadoda
5/11/2021 1:52:47 PM



#55
Styrene
Concen: 1.95 ug/L
RT: 9.570 min Scan# 2653
Delta R.T. 0.006 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion:104 Resp: 26556
Ion Ratio Lower Upper
104 100
78 56.9 32.4 60.2





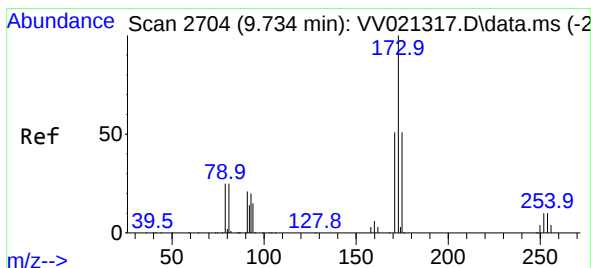
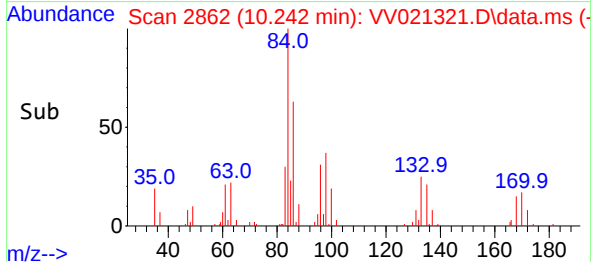
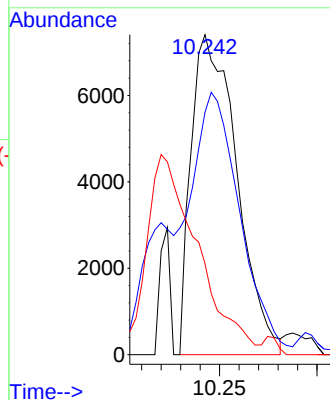
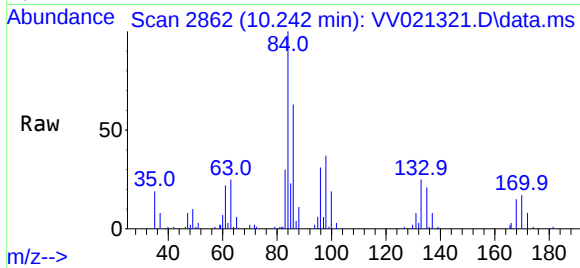
#57
1,1,2,2-Tetrachloroethane
Concen: 2.10 ug/L
RT: 10.242 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion:	83	Resp:	12048
Ion	Ratio	Lower	Upper
83	100		
85	75.8	45.8	85.0
131	28.5	8.8	13.2#

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

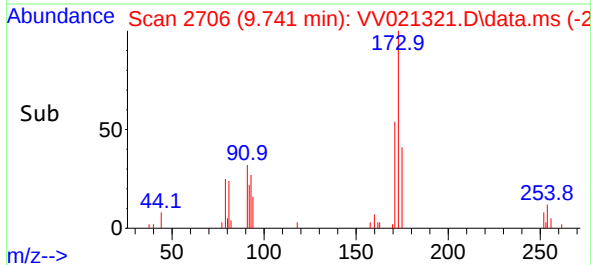
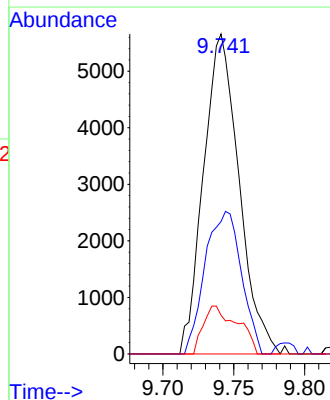
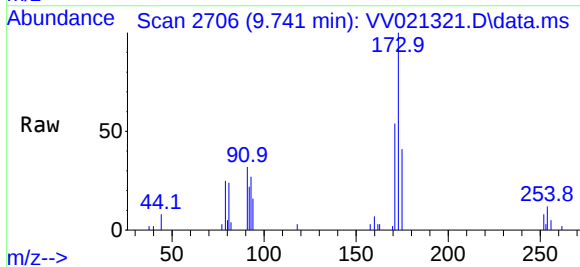
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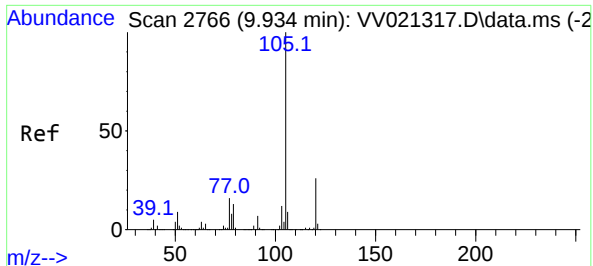
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#59
Bromoform
Concen: 2.25 ug/L
RT: 9.741 min Scan# 2706
Delta R.T. 0.006 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion:	173	Resp:	9860
Ion	Ratio	Lower	Upper
173	100		
175	45.6	38.9	58.3
254	12.0	8.3	12.5





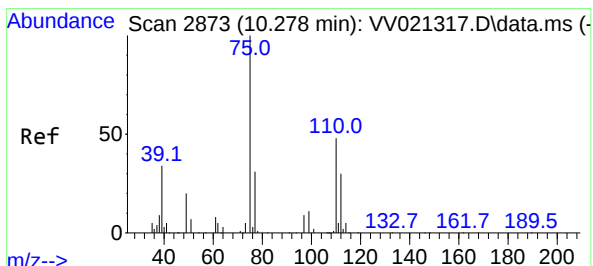
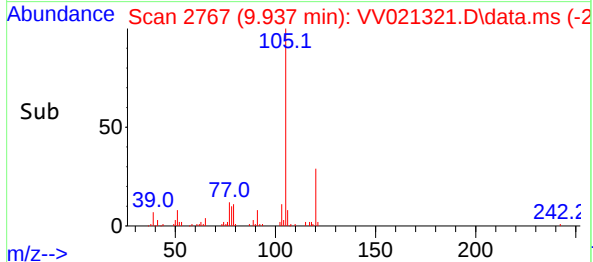
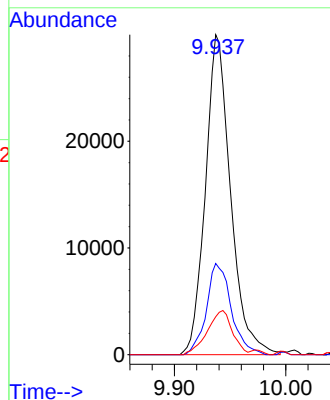
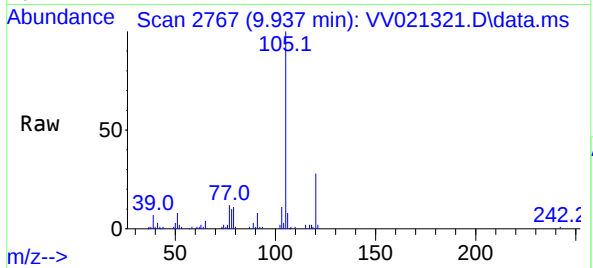
#60
Isopropylbenzene
Concen: 2.25 ug/L
RT: 9.937 min Scan# 2767
Delta R.T. 0.003 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion:	105	Resp:	47086
Ion Ratio	Lower	Upper	
105	100		
120	28.1	21.8	32.6
77	13.7	12.9	19.3

Instrument :
MSVOA_V
ClientSampleId :
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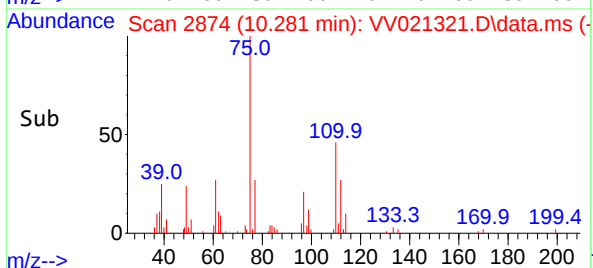
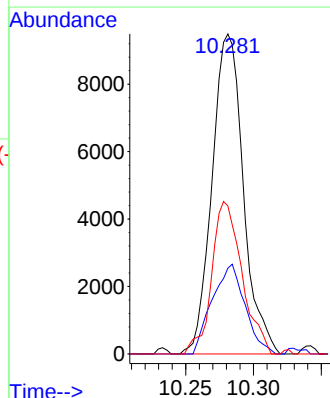
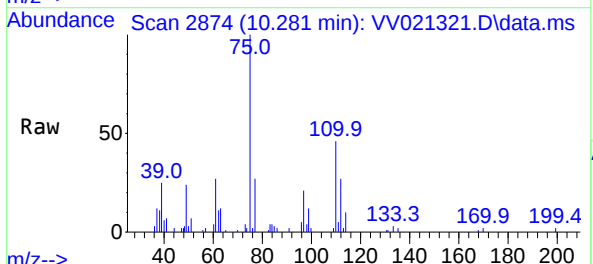
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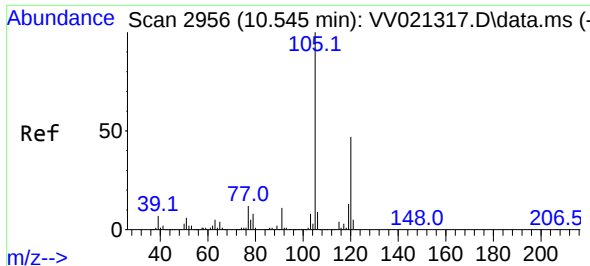
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#61
1,2,3-Trichloropropane
Concen: 2.84 ug/L
RT: 10.281 min Scan# 2874
Delta R.T. 0.003 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

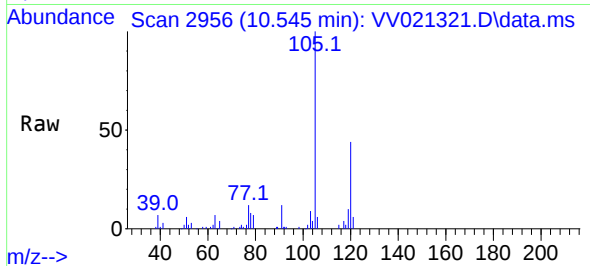
Tgt Ion:	75	Resp:	15230
Ion Ratio	Lower	Upper	
75	100		
77	29.4	25.8	38.8
110	46.1	34.9	52.3





#62
1,3,5-Trimethylbenzene
Concen: 2.36 ug/L
RT: 10.545 min Scan# 2956
Delta R.T. 0.000 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

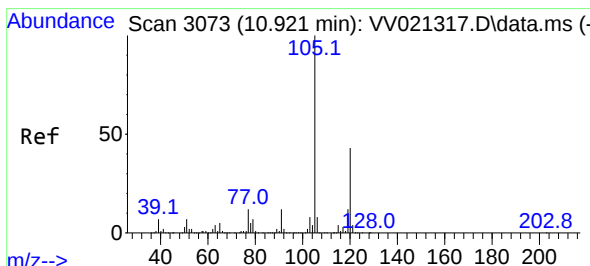
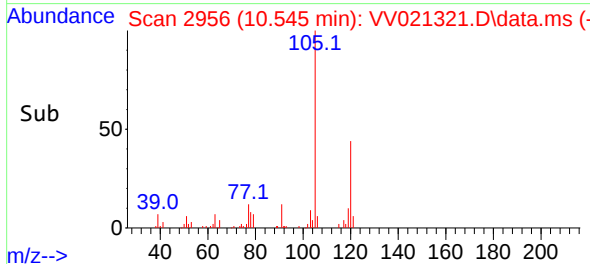
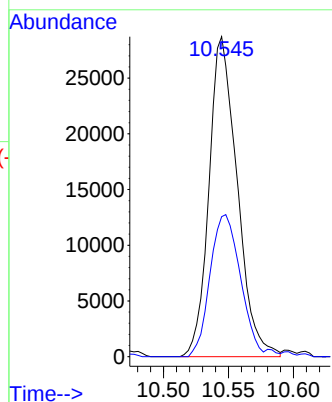
Instrument :
MSVOA_V
ClientSampleId :
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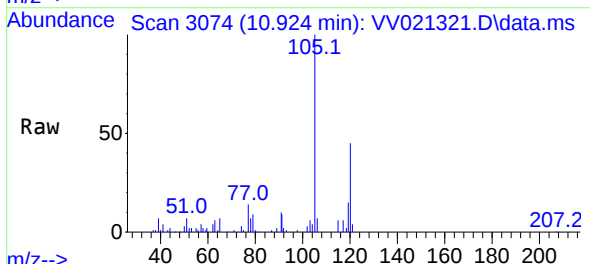
Tgt Ion:105 Resp: 43379
Ion Ratio Lower Upper
105 100
120 47.6 38.9 58.3

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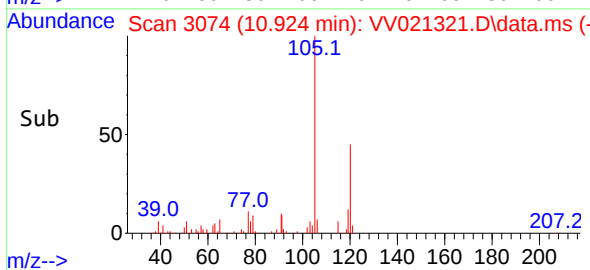
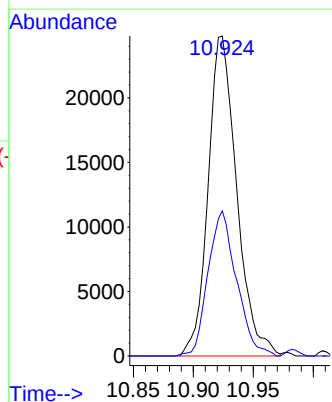
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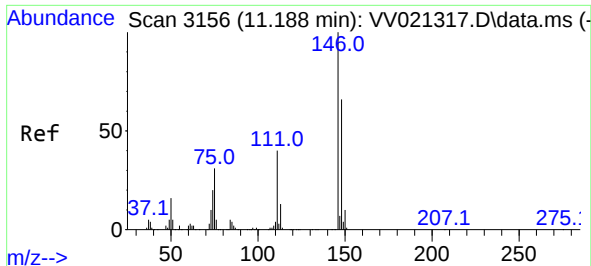


#63
1,2,4-Trimethylbenzene
Concen: 2.23 ug/L
RT: 10.924 min Scan# 3074
Delta R.T. 0.003 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56



Tgt Ion:105 Resp: 41113
Ion Ratio Lower Upper
105 100
120 45.1 37.7 56.5





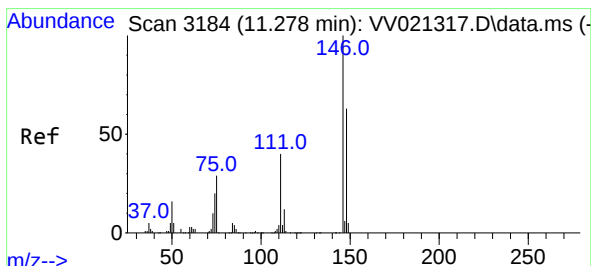
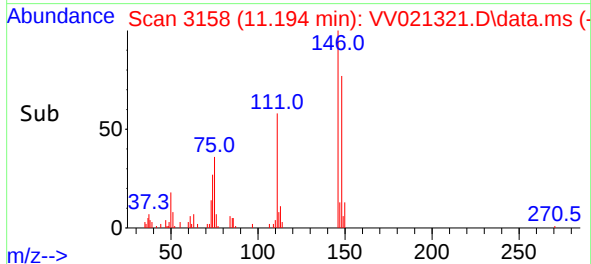
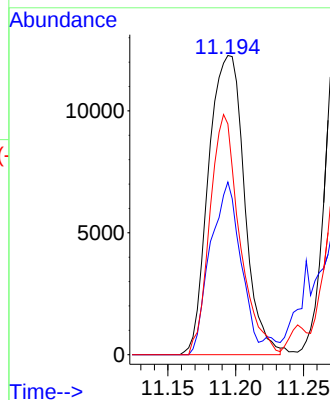
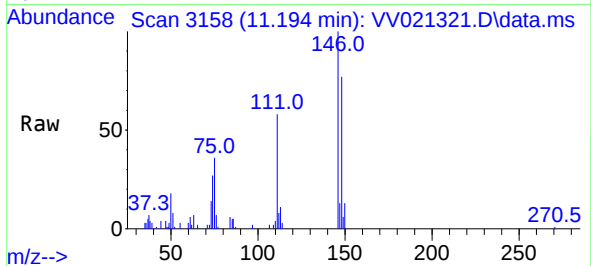
#64
1,3-Dichlorobenzene
Concen: 2.21 ug/L
RT: 11.194 min Scan# 3158
Delta R.T. 0.006 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion:146 Resp: 22519
Ion Ratio Lower Upper
146 100
111 57.7 27.6 51.2#
148 77.1 45.1 83.7

Instrument :
MSVOA_V
ClientSampleId :
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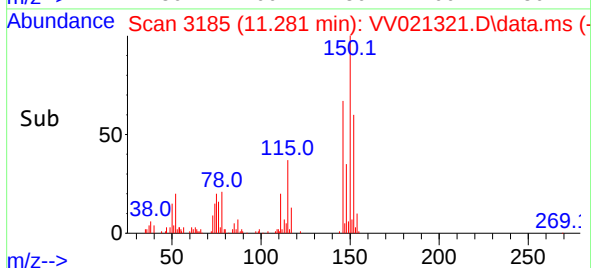
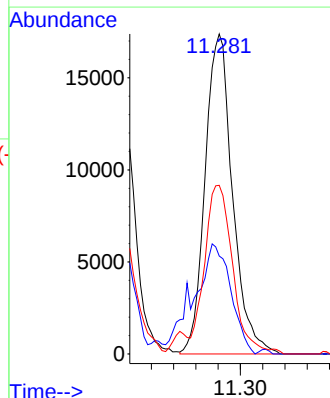
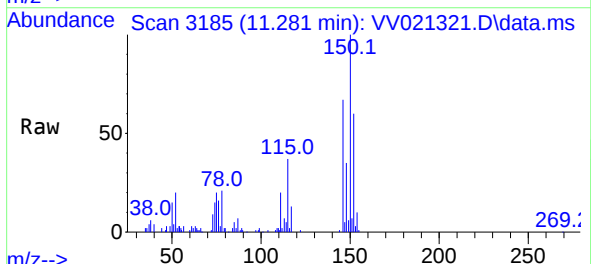
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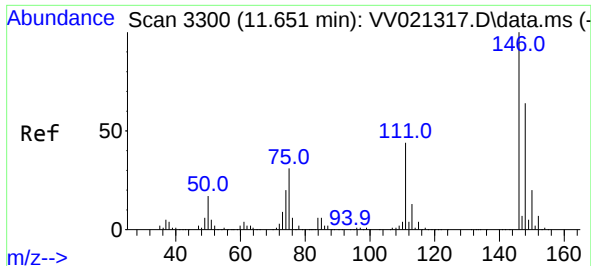
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#65
1,4-Dichlorobenzene
Concen: 2.85 ug/L
RT: 11.281 min Scan# 3185
Delta R.T. 0.003 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion:146 Resp: 29733
Ion Ratio Lower Upper
146 100
111 30.6 26.3 48.9
148 52.7 44.7 82.9





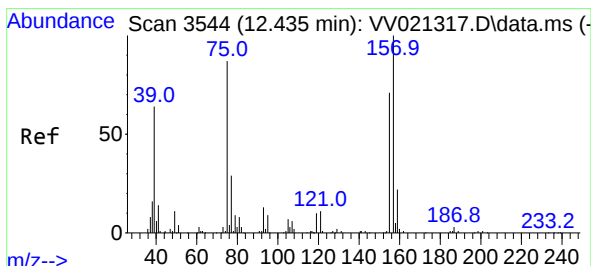
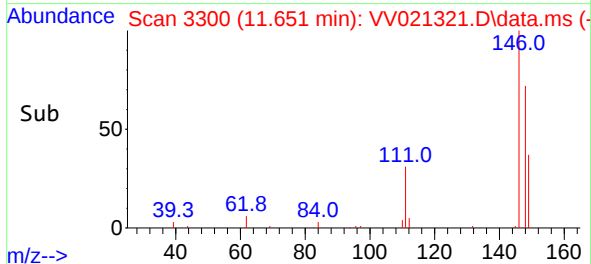
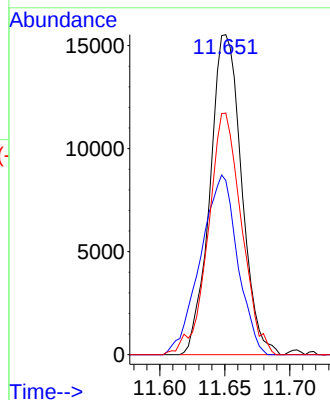
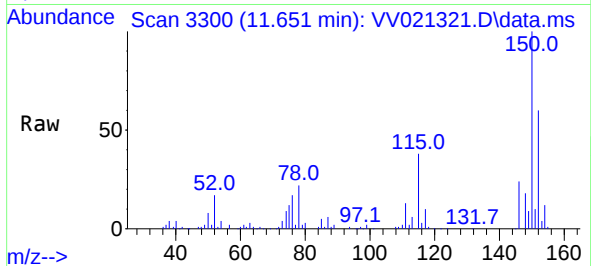
#67
1,2-Dichlorobenzene
Concen: 2.55 ug/L
RT: 11.651 min Scan# 3300
Delta R.T. 0.000 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion:	146	Resp:	26253
Ion	Ratio	Lower	Upper
146	100		
111	54.5	33.2	49.8#
148	75.5	50.6	75.8

Instrument :
MSVOA_V
ClientSampleId :
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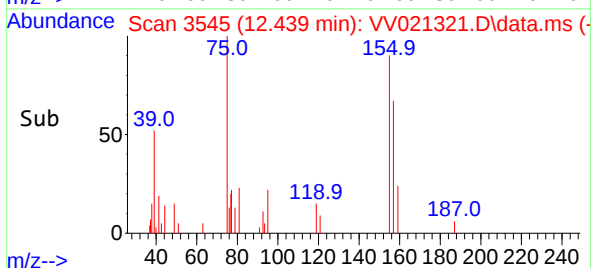
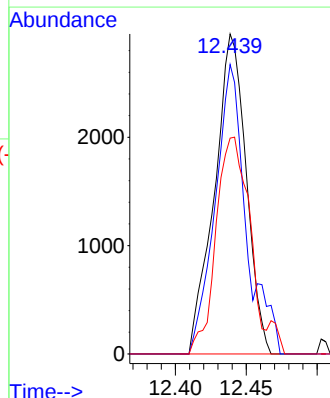
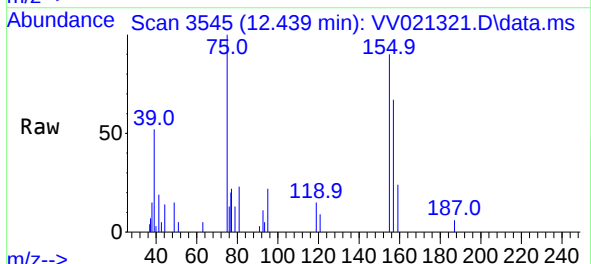
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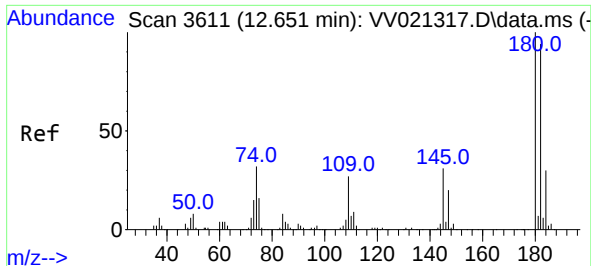
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#68
1,2-Dibromo-3-chloropropane
Concen: 2.47 ug/L
RT: 12.439 min Scan# 3545
Delta R.T. 0.003 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

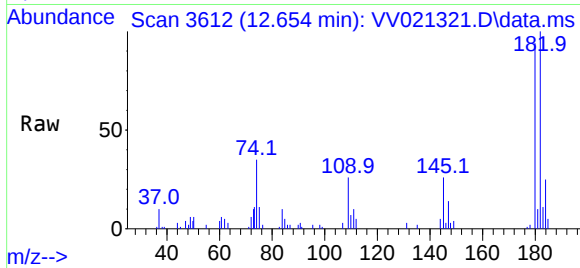
Tgt Ion:	75	Resp:	4603
Ion	Ratio	Lower	Upper
75	100		
155	90.5	72.8	109.2
157	67.5	94.6	142.0#





#69
1,3,5-Trichlorobenzene
Concen: 2.30 ug/L m
RT: 12.654 min Scan# 3612
Delta R.T. 0.003 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

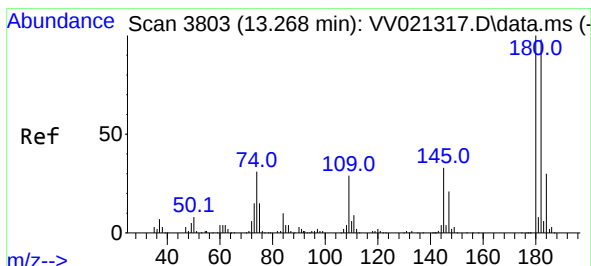
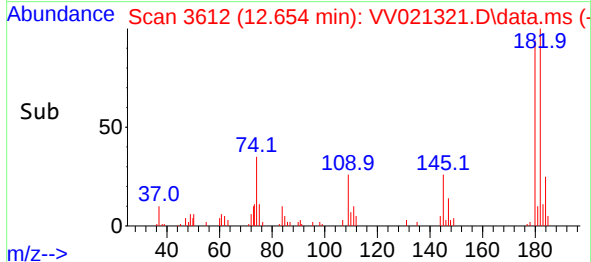
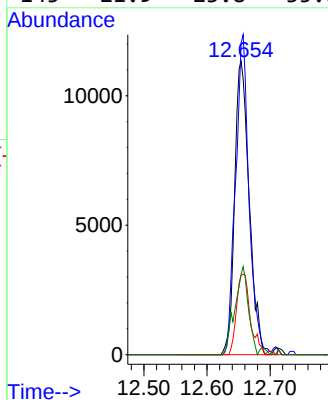
Instrument :
MSVOA_V
ClientSampleId :
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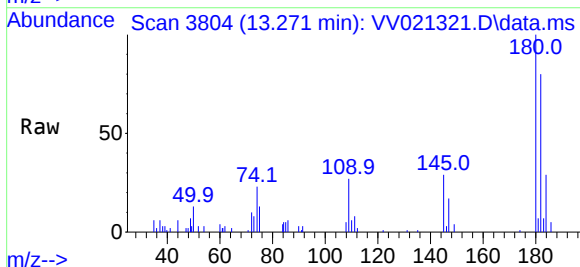
Tgt Ion:180 Resp: 18131
Ion Ratio Lower Upper
180 100
182 63.6 77.4 116.0#
184 18.7 24.1 36.1#
145 21.9 23.8 35.8#

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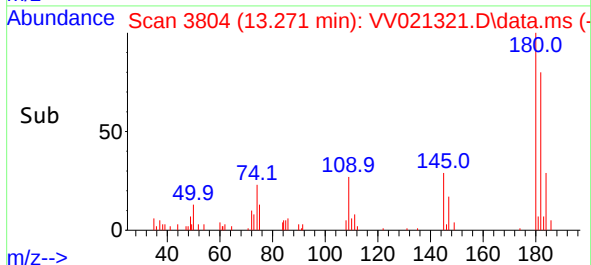
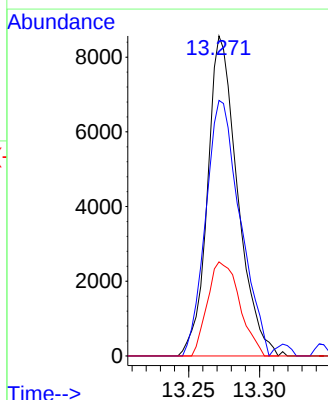
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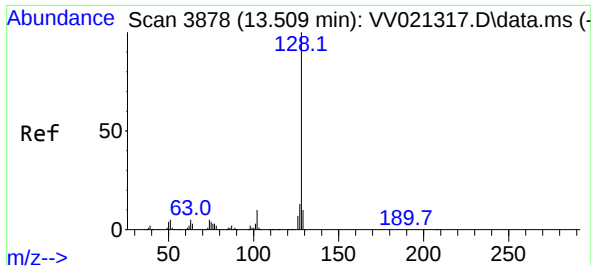


#70
1,2,4-trichlorobenzene
Concen: 1.97 ug/L
RT: 13.271 min Scan# 3804
Delta R.T. 0.003 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56



Tgt Ion:180 Resp: 12629
Ion Ratio Lower Upper
180 100
182 91.4 77.5 116.3
145 31.5 24.3 36.5





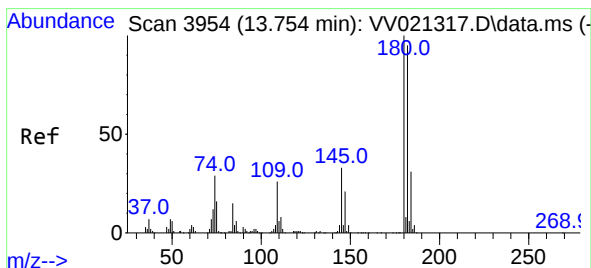
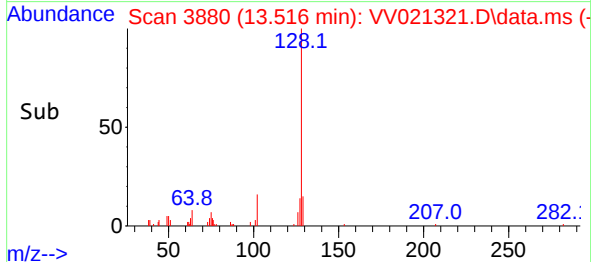
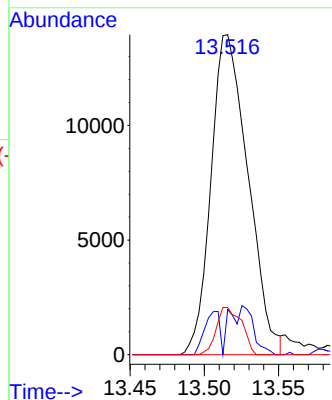
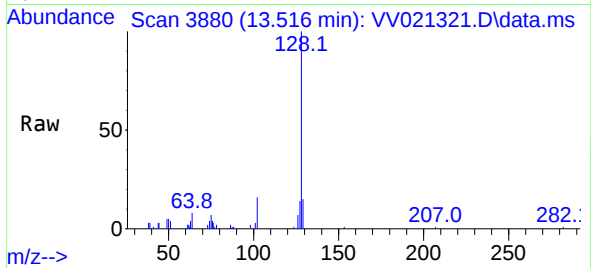
#71
Naphthalene
Concen: 1.37 ug/L
RT: 13.516 min Scan# 3880
Delta R.T. 0.006 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion	Ratio	Lower	Upper
128	100		
127	4.0	10.3	15.5#
129	10.1	8.6	13.0

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

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#72
1,2,3-Trichlorobenzene
Concen: 1.77 ug/L
RT: 13.750 min Scan# 3953
Delta R.T. -0.003 min
Lab File: VV021321.D
Acq: 07 May 2021 12:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	104.8	75.9	113.9
145	38.4	25.0	37.6#

