

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022621\
 Data File : VW020404.D
 Acq On : 24 Feb 2021 20:15
 Operator : SY/MD
 Sample : M1344-05
 Misc : 5.0G/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2021-03

Manual Integrations
 APPROVED

MMDadoda

3/11/2021 9:59:55 AM

Quant Time: Feb 25 00:39:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022621WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 24 17:44:20 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	560761	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	538355	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.255	152	272118	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	136790	49.30	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	98.60%		
7) Chloroethane-d5	1.571	69	128327	51.75	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	103.50%		
11) 1,1-Dichloroethene-d2	2.108	63	205287	35.85	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	71.70%		
21) 2-Butanone-d5	3.892	46	229153	109.69	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	109.69%		
24) Chloroform-d	4.352	84	315267	49.69	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.38%		
26) 1,2-Dichloroethane-d4	5.037	65	215458	53.75	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	107.50%		
32) Benzene-d6	5.053	84	632446	53.93	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	107.86%		
36) 1,2-Dichloropropane-d6	6.072	67	201478	54.88	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	109.76%		
41) Toluene-d8	7.320	98	572746	51.22	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.44%		
43) trans-1,3-Dichloroprop...	7.625	79	88158	49.78	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	99.56%		
47) 2-Hexanone-d5	8.091	63	147886	101.62	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	101.62%		
56) 1,1,2,2-Tetrachloroeth...	10.223	84	264894	50.88	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	101.76%		
66) 1,2-Dichlorobenzene-d4	11.632	152	262307	55.17	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	110.34%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.130	85	8435	1.85	ug/L	99
3) Chloromethane	1.243	50	8481	2.16	ug/L	97
5) Vinyl chloride	1.310	62	9192	2.16	ug/L #	77
6) Bromomethane	1.526	94	5892	2.11	ug/L	93
8) Chloroethane	1.587	64	5560	2.14	ug/L	94
9) Trichlorofluoromethane	1.754	101	12002	1.88	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	7813	2.24	ug/L #	79
12) 1,1-Dichloroethene	2.117	96	8092	2.49	ug/L #	1
13) Acetone	2.185	43	6149	4.00	ug/L	85
14) Carbon disulfide	2.298	76	16856	1.98	ug/L	97
15) Methyl Acetate	2.445	43	6303	1.97	ug/L	92
16) Methylene chloride	2.510	84	8510	2.30	ug/L	93
17) trans-1,2-Dichloroethene	2.767	96	6937	2.04	ug/L	95
18) Methyl tert-butyl Ether	2.770	73	19440	1.90	ug/L	98
19) 1,1-Dichloroethane	3.198	63	11555	1.87	ug/L	98
20) cis-1,2-Dichloroethene	3.921	96	7004	1.86	ug/L	92
22) 2-Butanone	4.002	43	9465m	4.34	ug/L	
23) Bromochloromethane	4.256	128	4057	2.00	ug/L	96
25) Chloroform	4.381	83	22906	3.38	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.146	62	9227	1.84	ug/L	100
29) Cyclohexane	4.680	56	8405	1.76	ug/L #	83
30) 1,1,1-Trichloroethane	4.616	97	11139	1.97	ug/L #	81
31) Carbon tetrachloride	4.834	117	9006	1.83	ug/L	98
33) Benzene	5.111	78	27726	2.05	ug/L	100
34) Trichloroethene	5.921	95	8352	2.13	ug/L	95
35) Methylcyclohexane	6.133	83	9460	1.80	ug/L	94
37) 1,2-Dichloropropane	6.185	63	6868	2.00	ug/L #	95
38) Bromodichloromethane	6.522	83	8538	1.81	ug/L	94
39) cis-1,3-Dichloropropene	7.037	75	9093	1.74	ug/L	97
40) 4-Methyl-2-pentanone	7.236	43	15477	3.64	ug/L	96
42) Toluene	7.397	91	28977	1.96	ug/L	97
44) trans-1,3-Dichloropropene	7.664	75	9336	1.83	ug/L	97
45) 1,1,2-Trichloroethane	7.847	97	7328	2.03	ug/L	94
46) Tetrachloroethene	7.985	164	6201	1.96	ug/L	96
48) 2-Hexanone	8.149	43	27489	8.36	ug/L #	93
49) Dibromochloromethane	8.252	129	7354	1.89	ug/L	98
50) 1,2-Dibromoethane	8.362	107	7691	2.01	ug/L #	98
51) Chlorobenzene	8.889	112	20260	1.96	ug/L	96
52) Ethylbenzene	9.021	91	29768	1.82	ug/L	99
53) m,p-Xylene	9.146	106	10916	1.74	ug/L	96
54) o-Xylene	9.551	106	10806	1.76	ug/L	98
55) Styrene	9.571	104	16520	1.56	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.246	83	11161	2.10	ug/L #	97
59) Bromoform	9.741	173	4652	1.83	ug/L #	96
60) Isopropylbenzene	9.937	105	27156	1.82	ug/L	99
61) 1,2,3-Trichloropropane	10.281	75	9388	2.19	ug/L	97
62) 1,3,5-Trimethylbenzene	10.548	105	20688	1.69	ug/L	97
63) 1,2,4-Trimethylbenzene	10.921	105	20301	1.62	ug/L	99
64) 1,3-Dichlorobenzene	11.191	146	14808	1.89	ug/L	96
65) 1,4-Dichlorobenzene	11.281	146	17337	2.13	ug/L	99
67) 1,2-Dichlorobenzene	11.648	146	17254	2.20	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.439	75	1817	1.83	ug/L	93
69) 1,3,5-Trichlorobenzene	12.654	180	11658	1.91	ug/L	98
70) 1,2,4-trichlorobenzene	13.271	180	9934	1.87	ug/L	95
71) Naphthalene	13.516	128	22218	1.51	ug/L	99
72) 1,2,3-Trichlorobenzene	13.754	180	9436	1.77	ug/L	97

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

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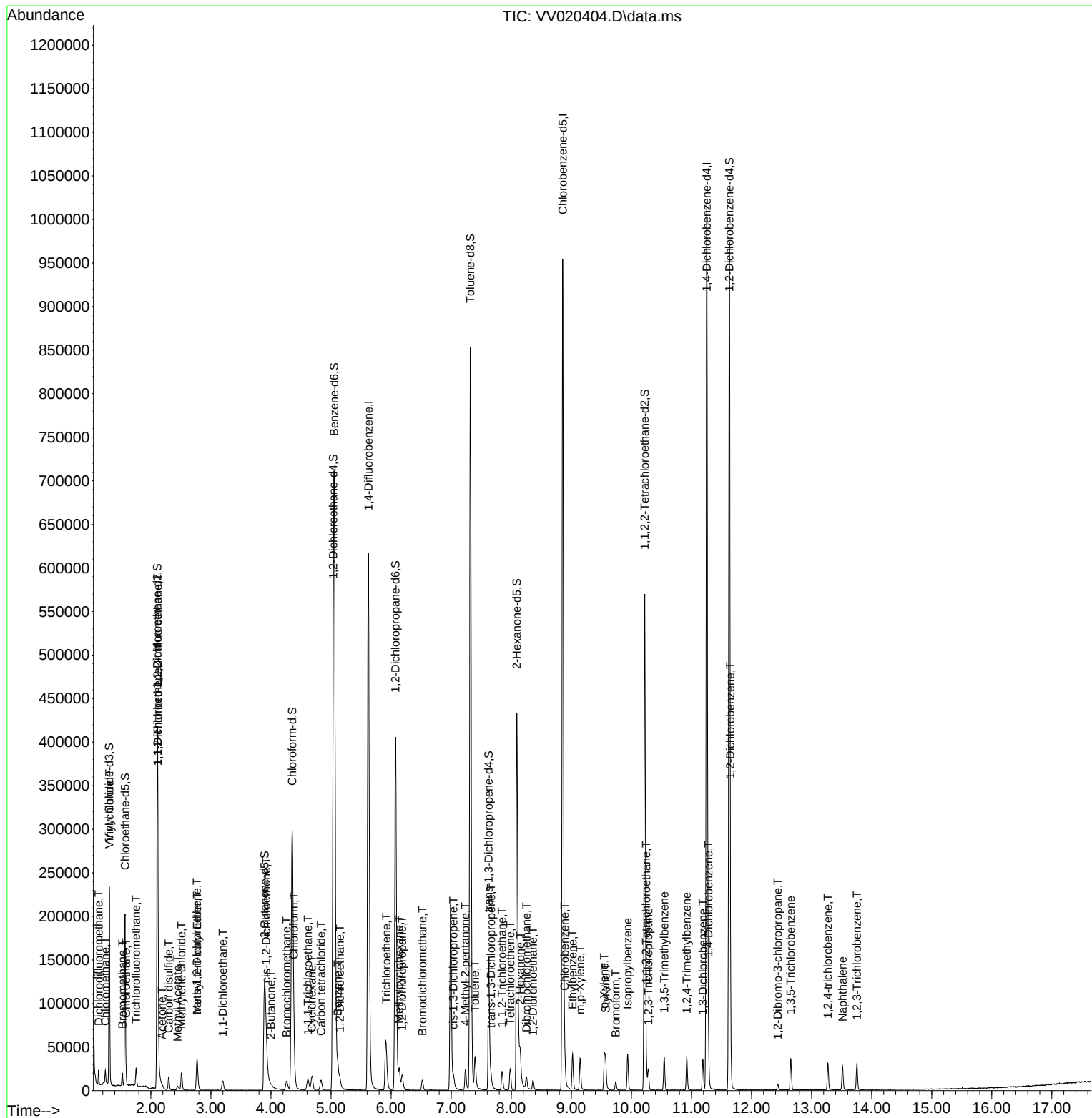
Instrument :
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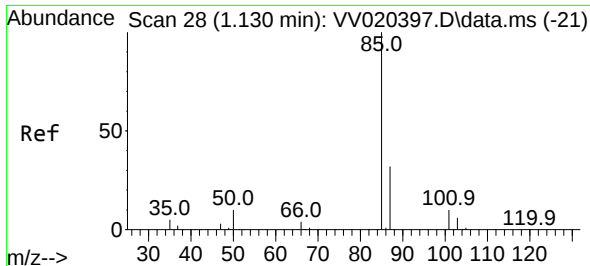
Manual Integrations
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3/17/2021 9:59:55 AM

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#2
 Dichlorodifluoromethane
 Concen: 1.85 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VV020404.D
 Acq: 24 Feb 2021 20:15

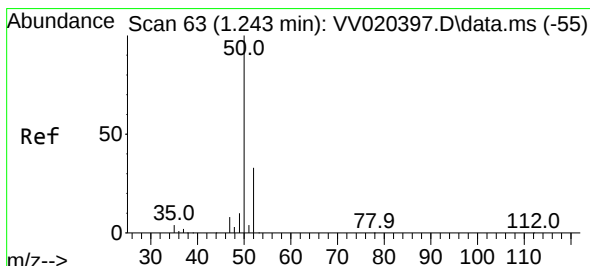
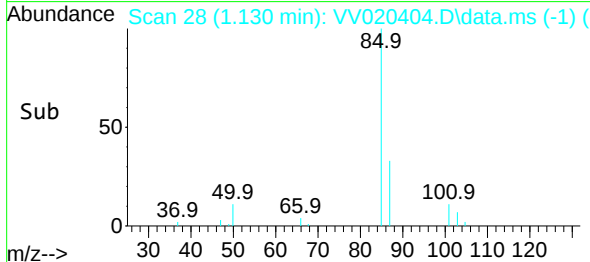
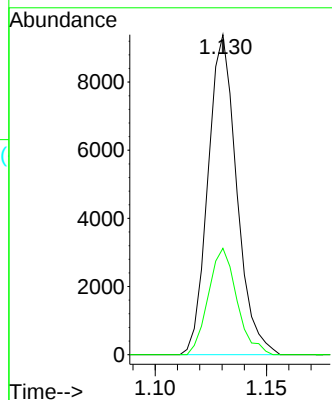
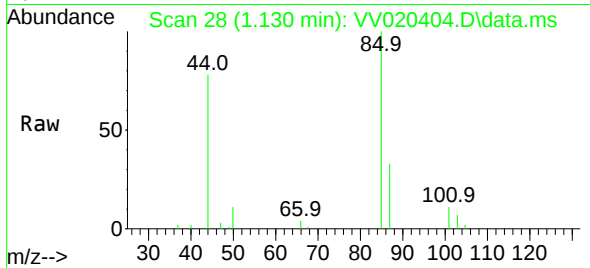
Tgt Ion: 85 Resp: 8435
 Ion Ratio Lower Upper
 85 100
 87 33.0 26.2 39.2

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2021-03

Manual Integrations
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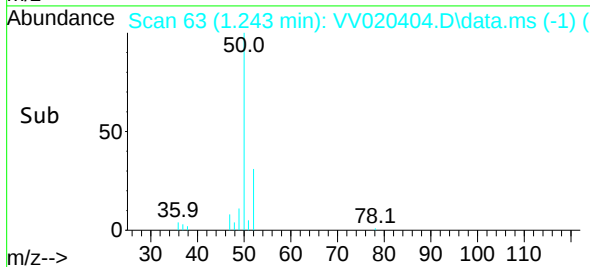
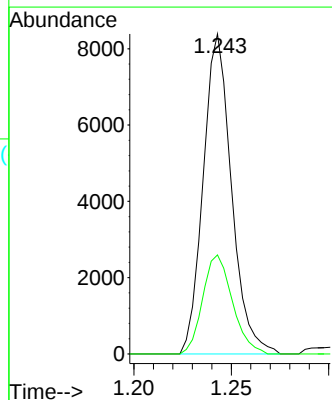
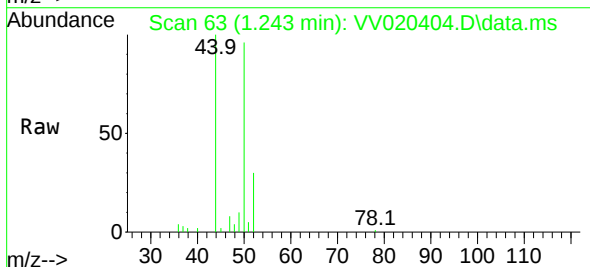
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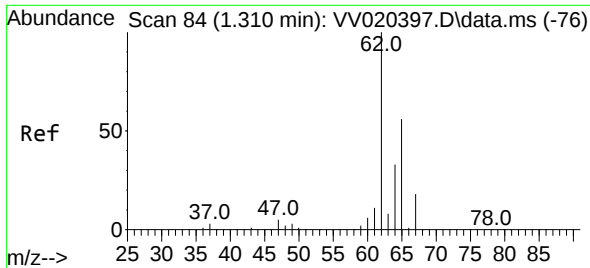
3/1/2021 9:59:55 AM



#3
 Chloromethane
 Concen: 2.16 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.000 min
 Lab File: VV020404.D
 Acq: 24 Feb 2021 20:15

Tgt Ion: 50 Resp: 8481
 Ion Ratio Lower Upper
 50 100
 52 31.0 22.9 42.5





#5
 Vinyl chloride
 Concen: 2.16 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV020404.D
 Acq: 24 Feb 2021 20:15

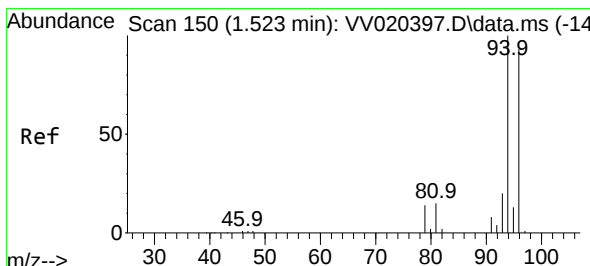
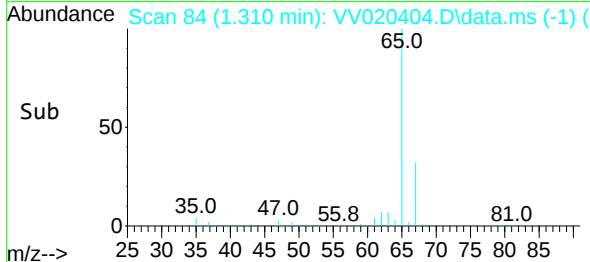
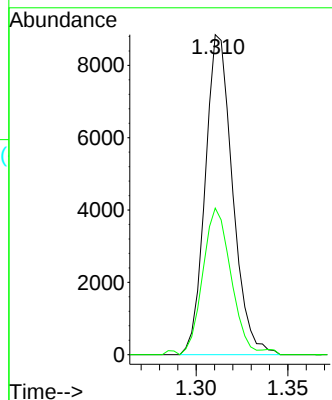
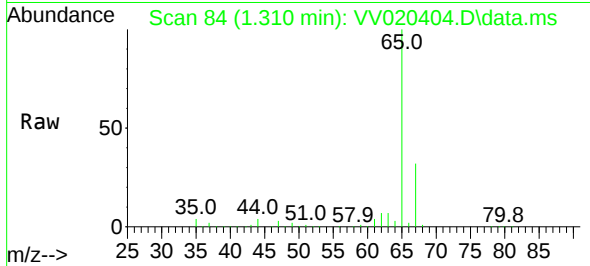
Tgt Ion: 62 Resp: 9192
 Ion Ratio Lower Upper
 62 100
 64 45.8 23.1 42.9#

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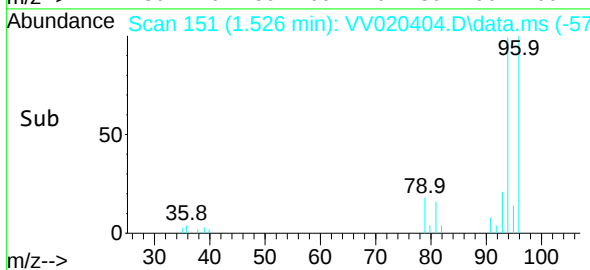
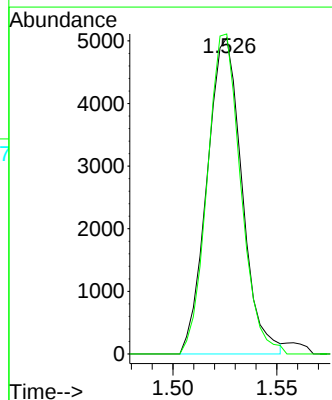
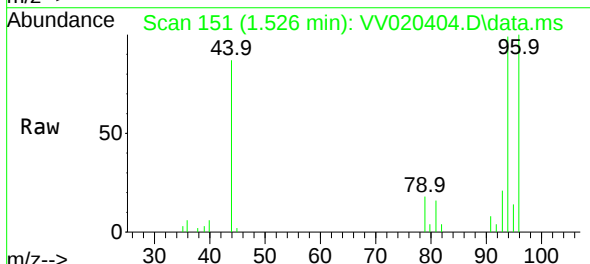
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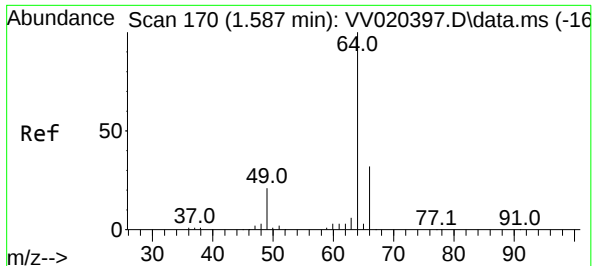
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#6
 Bromomethane
 Concen: 2.11 ug/L
 RT: 1.526 min Scan# 151
 Delta R.T. 0.003 min
 Lab File: VV020404.D
 Acq: 24 Feb 2021 20:15

Tgt Ion: 94 Resp: 5892
 Ion Ratio Lower Upper
 94 100
 96 101.3 65.9 122.5





#8
Chloroethane
Concen: 2.14 ug/L
RT: 1.587 min Scan# 170
Delta R.T. 0.000 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

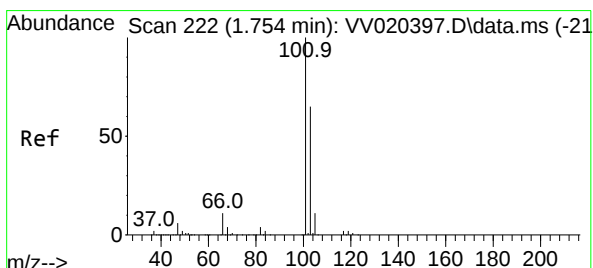
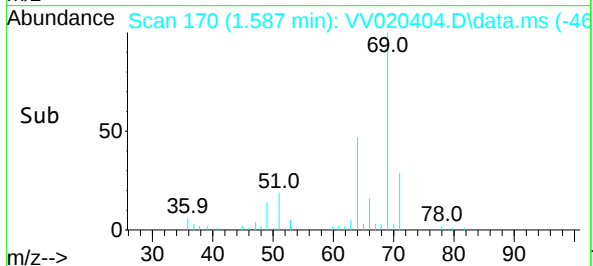
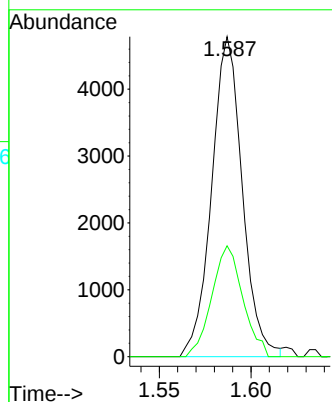
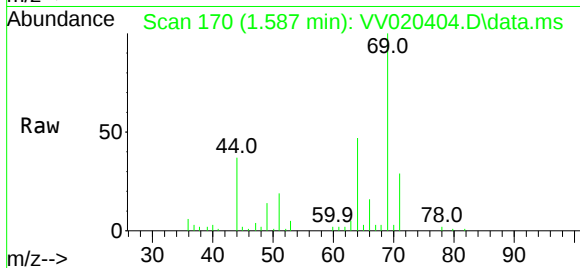
Tgt Ion: 64 Resp: 5560
Ion Ratio Lower Upper
64 100
66 34.7 21.8 40.4

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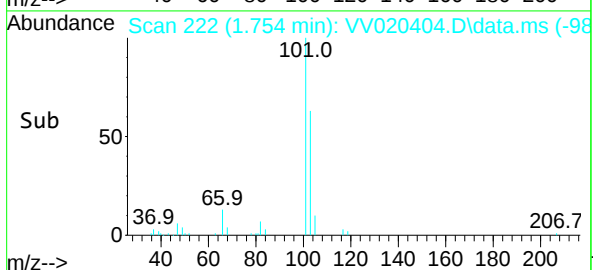
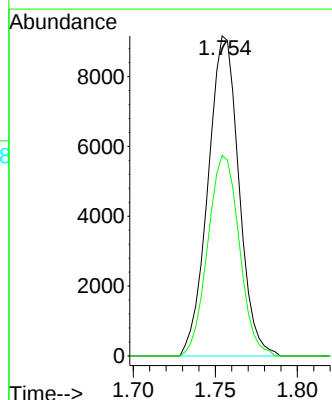
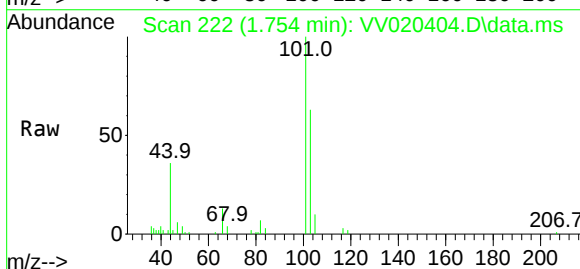
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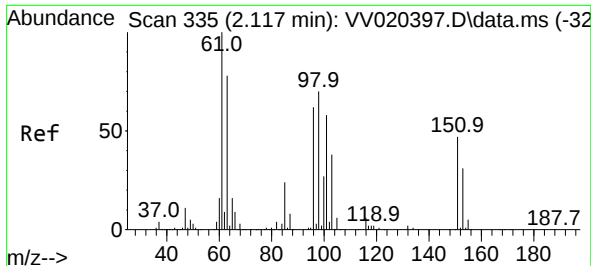
3/1/2021 9:59:55 AM



#9
Trichlorofluoromethane
Concen: 1.88 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.000 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

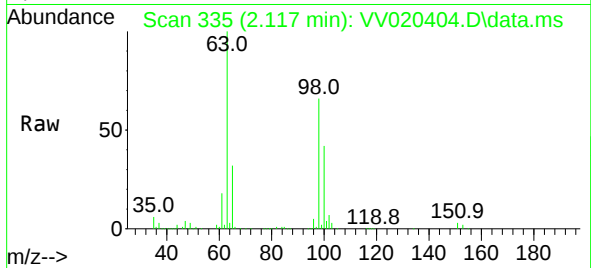
Tgt Ion:101 Resp: 12002
Ion Ratio Lower Upper
101 100
103 63.8 51.8 77.6





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.24 ug/L
RT: 2.117 min Scan# 335
Delta R.T. 0.000 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

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MDL-MED-SOIL-QT2-2021-03

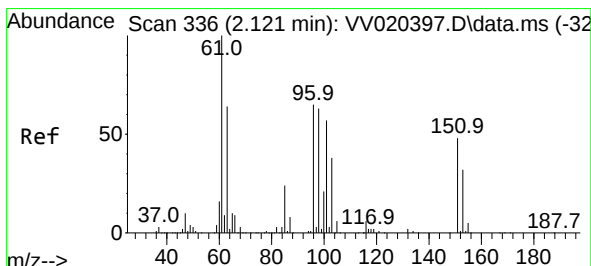
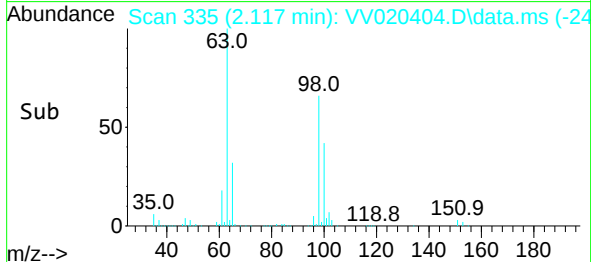
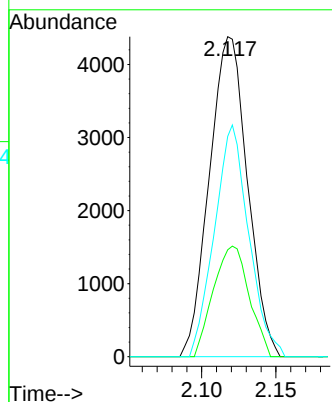


Tgt Ion:101 Resp: 7813
Ion Ratio Lower Upper
101 100
85 32.4 32.4 48.6
151 65.2 71.0 106.6#

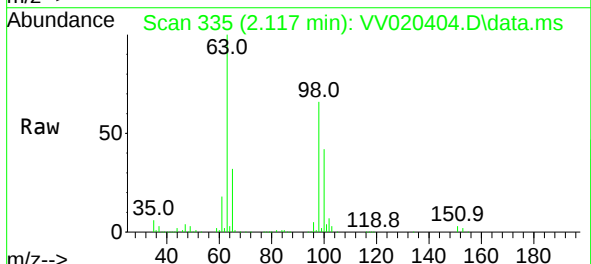
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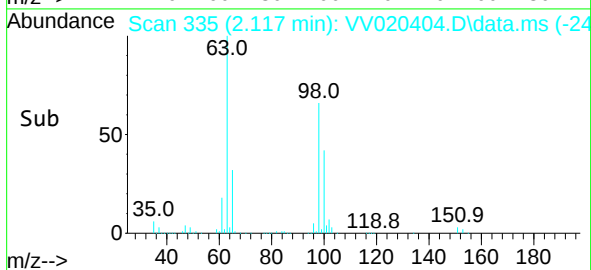
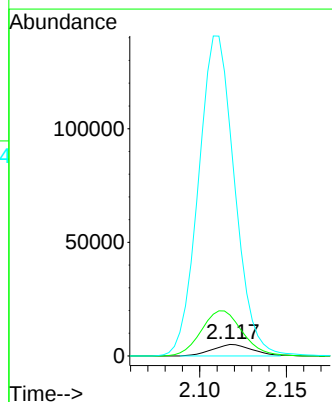
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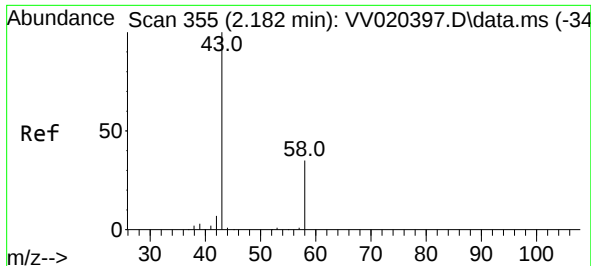


#12
1,1-Dichloroethene
Concen: 2.49 ug/L
RT: 2.117 min Scan# 335
Delta R.T. -0.003 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15



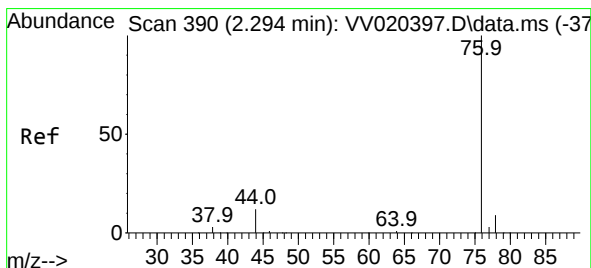
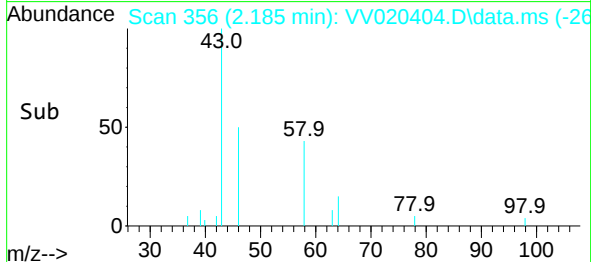
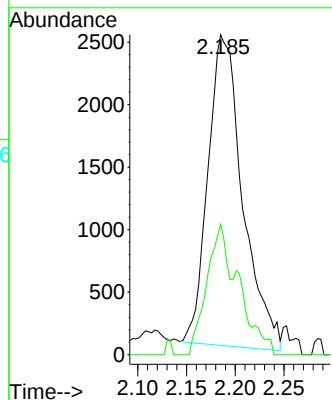
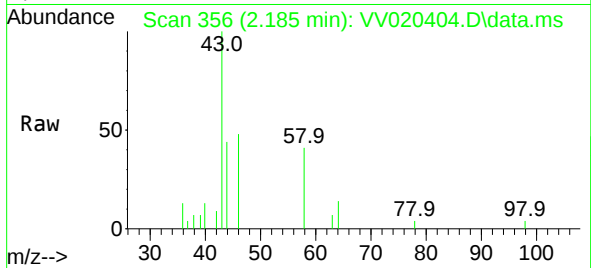
Tgt Ion: 96 Resp: 8092
Ion Ratio Lower Upper
96 100
61 355.4 110.9 206.1#
63 1961.7 82.1 152.5#





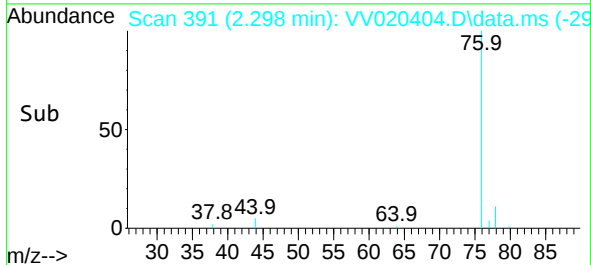
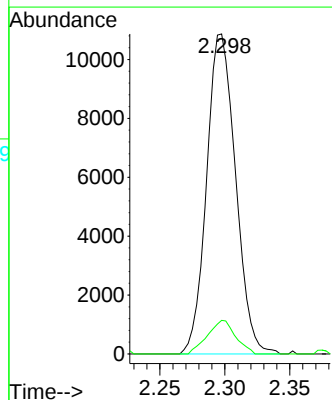
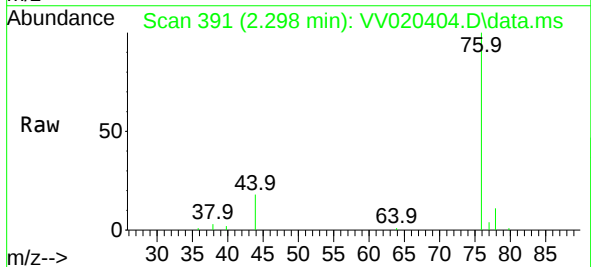
#13
Acetone
Concen: 4.00 ug/L
RT: 2.185 min Scan# 356
Delta R.T. 0.003 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

Tgt Ion: 43 Resp: 6149
Ion Ratio Lower Upper
43 100
58 25.1 0.0 68.0



#14
Carbon disulfide
Concen: 1.98 ug/L
RT: 2.298 min Scan# 391
Delta R.T. 0.003 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

Tgt Ion: 76 Resp: 16856
Ion Ratio Lower Upper
76 100
78 10.5 7.4 11.2

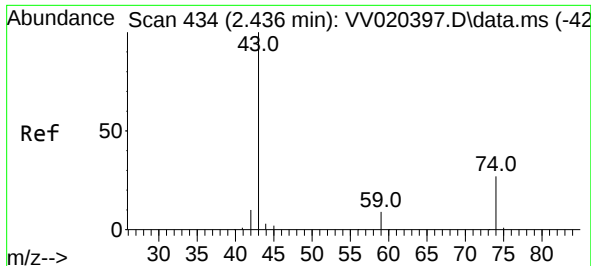


Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

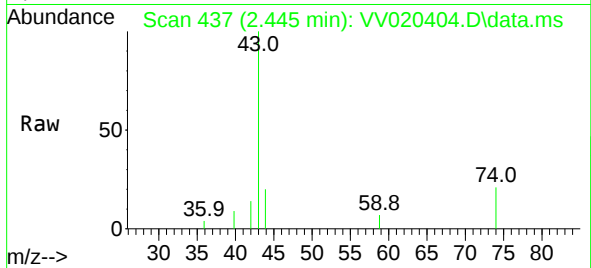
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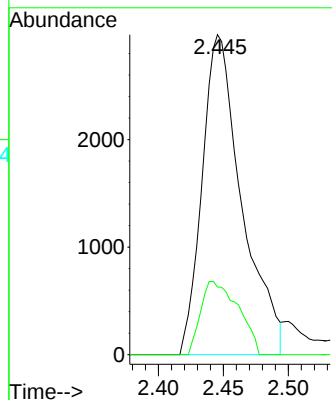
3/1/2021 9:59:55 AM



#15
Methyl Acetate
Concen: 1.97 ug/L
RT: 2.445 min Scan# 437
Delta R.T. 0.010 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15



Tgt Ion: 43 Resp: 6303
Ion Ratio Lower Upper
43 100
74 21.7 20.6 30.8

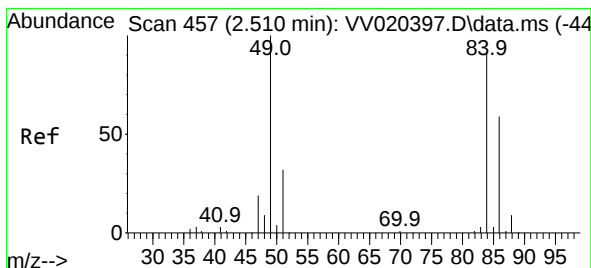


Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

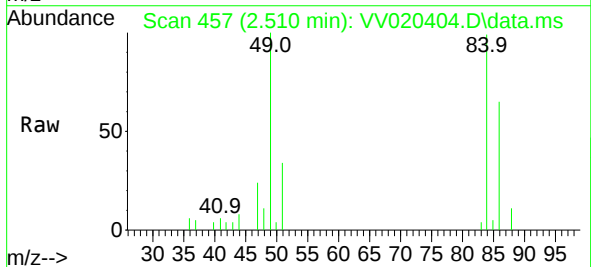
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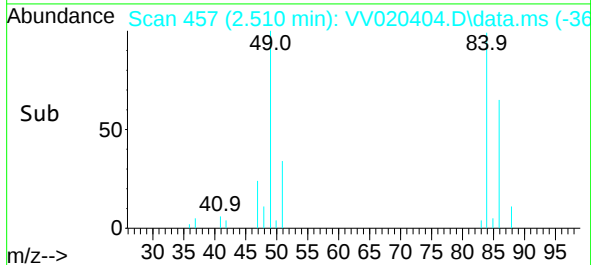
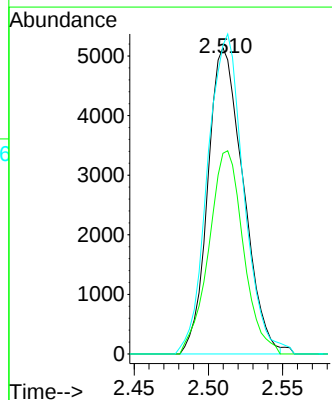
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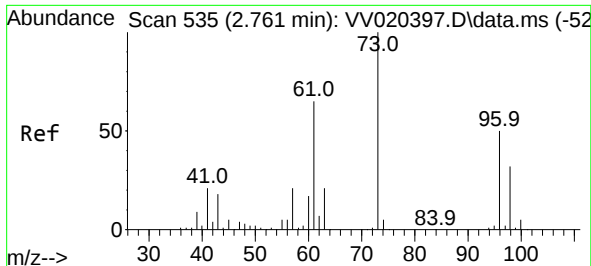


#16
Methylene chloride
Concen: 2.30 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.000 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15



Tgt Ion: 84 Resp: 8510
Ion Ratio Lower Upper
84 100
86 65.5 44.8 83.2
49 100.8 78.5 145.7





#17
trans-1,2-Dichloroethene
Concen: 2.04 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.006 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

Tgt Ion: 96 Resp: 6937

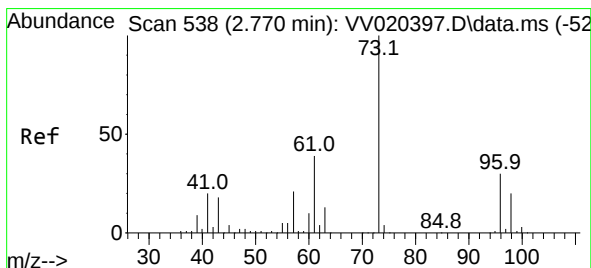
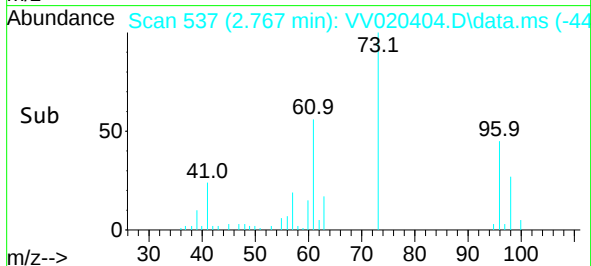
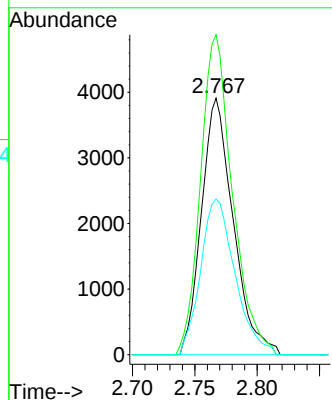
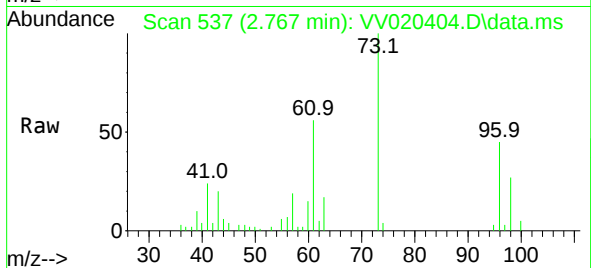
Ion	Ratio	Lower	Upper
96	100		
61	124.8	92.0	170.9
98	60.7	44.2	82.2

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

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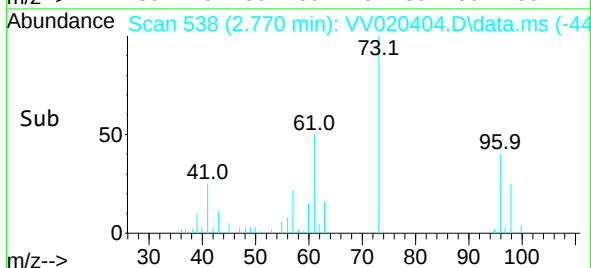
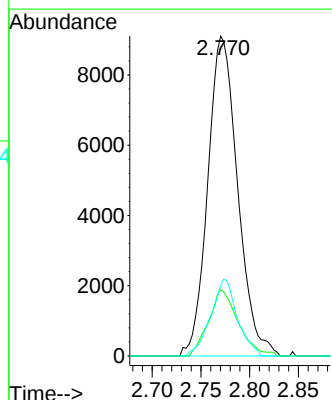
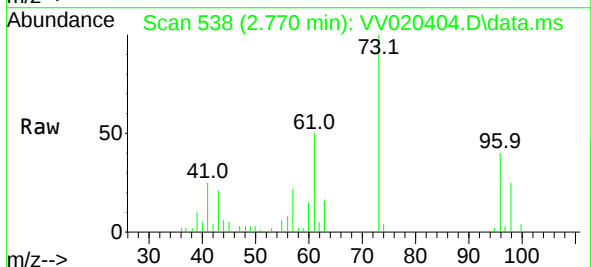
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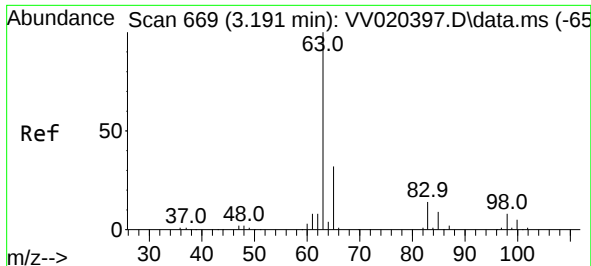


#18
Methyl tert-butyl Ether
Concen: 1.90 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.000 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

Tgt Ion: 73 Resp: 19440

Ion	Ratio	Lower	Upper
73	100		
43	20.3	15.0	22.6
57	21.3	17.2	25.8





#19
1,1-Dichloroethane
Concen: 1.87 ug/L
RT: 3.198 min Scan# 671
Delta R.T. 0.006 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

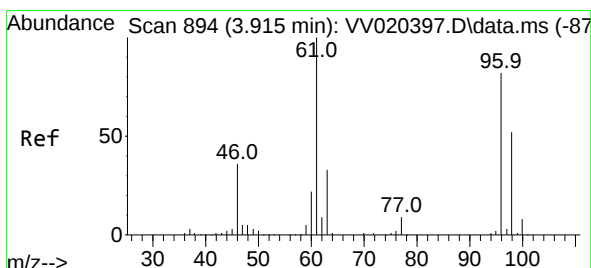
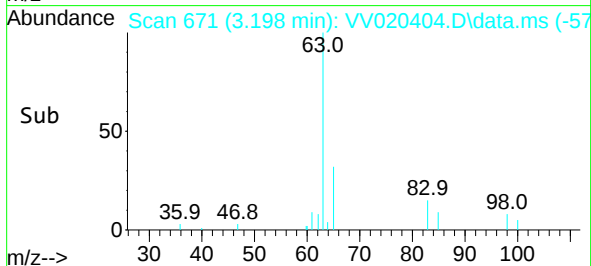
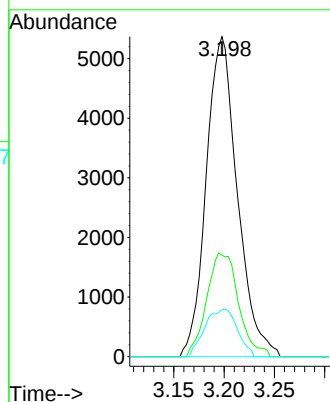
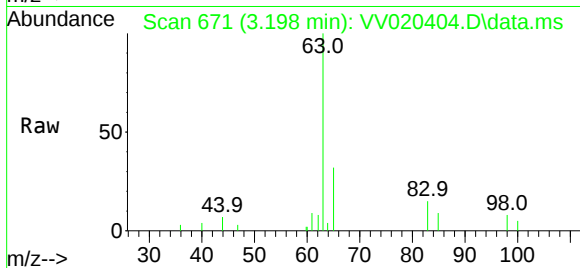
Tgt Ion: 63	Resp: 11555
Ion Ratio	Lower Upper
63 100	
65 31.7	21.8 40.4
83 14.6	9.4 17.4

Instrument :
MSVOA_V
ClientSampleId :
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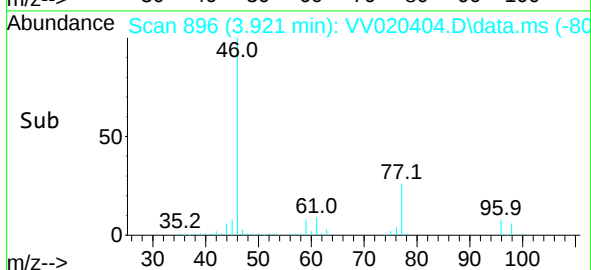
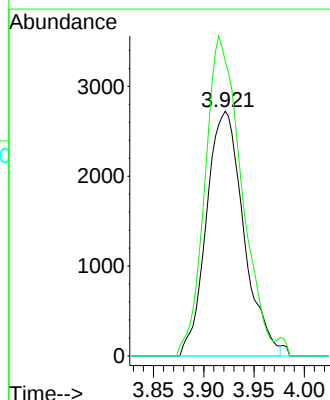
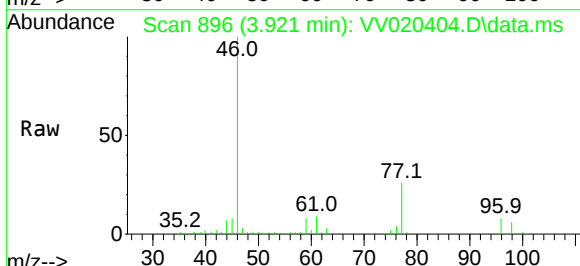
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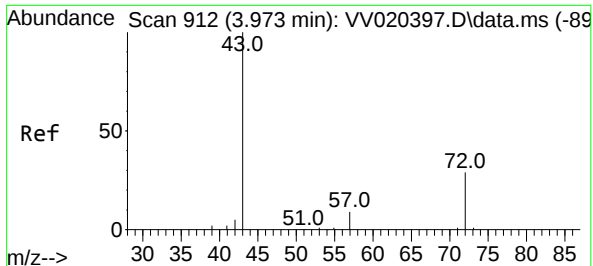
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#20
cis-1,2-Dichloroethene
Concen: 1.86 ug/L
RT: 3.921 min Scan# 896
Delta R.T. 0.006 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

Tgt Ion: 96	Resp: 7004
Ion Ratio	Lower Upper
96 100	
61 120.7	90.6 168.3
68 0.0	0.0 0.0





#22
2-Butanone
Concen: 4.34 ug/L m
RT: 4.002 min Scan# 921
Delta R.T. 0.029 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

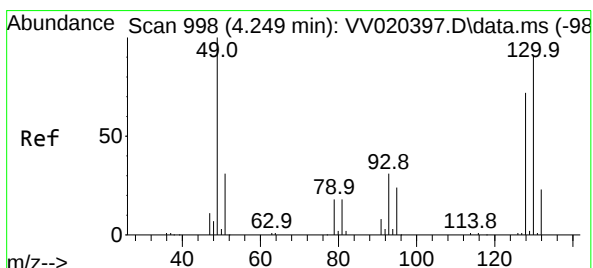
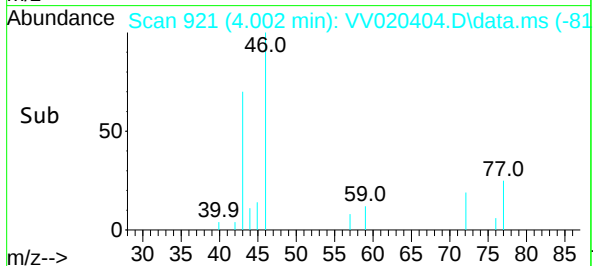
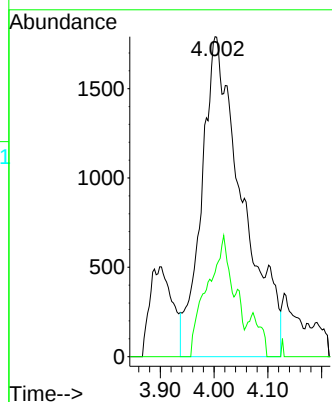
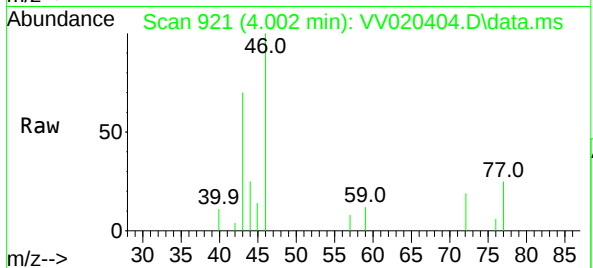
Tgt Ion: 43 Resp: 9465
Ion Ratio Lower Upper
43 100
72 0.8 12.7 38.1#

Instrument :
MSVOA_V
ClientSampleId :
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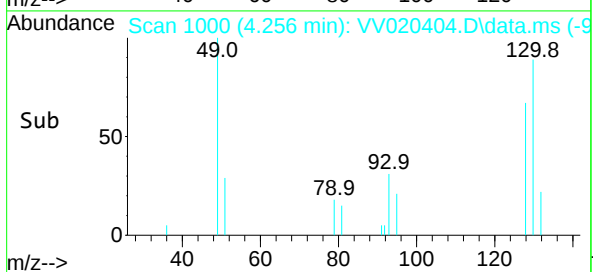
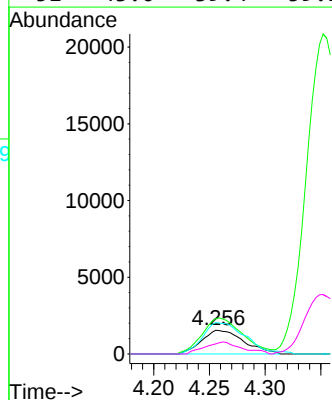
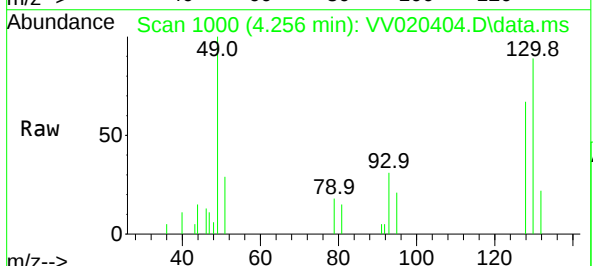
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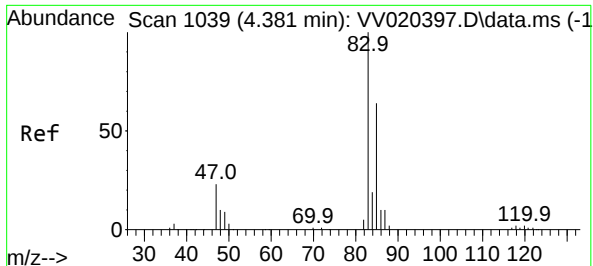
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#23
Bromochloromethane
Concen: 2.00 ug/L
RT: 4.256 min Scan# 1000
Delta R.T. 0.006 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

Tgt Ion:128 Resp: 4057
Ion Ratio Lower Upper
128 100
49 149.4 109.8 203.8
130 132.4 92.8 172.4
51 43.0 39.4 59.2





#25

Chloroform

Concen: 3.38 ug/L

RT: 4.381 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VV020404.D

Acq: 24 Feb 2021 20:15

Tgt Ion: 83 Resp: 22906

Ion Ratio Lower Upper

83 100

85 66.0 44.6 82.8

Instrument :

MSVOA_V

ClientSampleId :

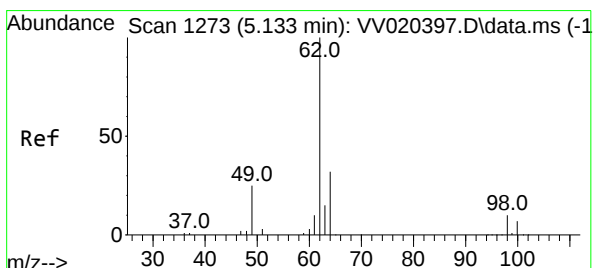
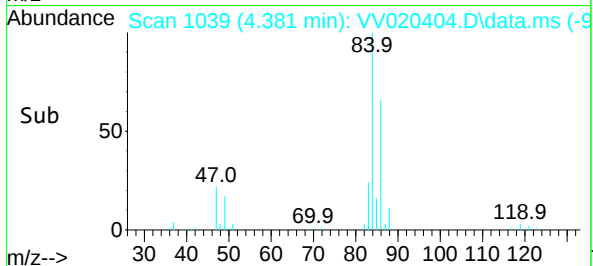
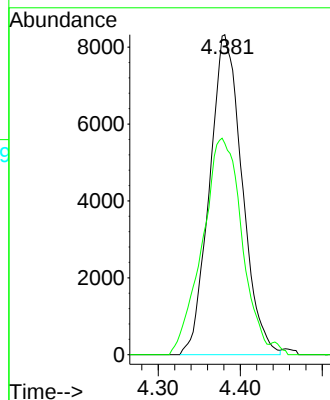
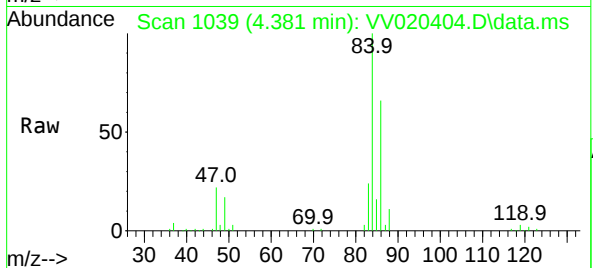
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#27

1,2-Dichloroethane

Concen: 1.84 ug/L

RT: 5.146 min Scan# 1277

Delta R.T. 0.013 min

Lab File: VV020404.D

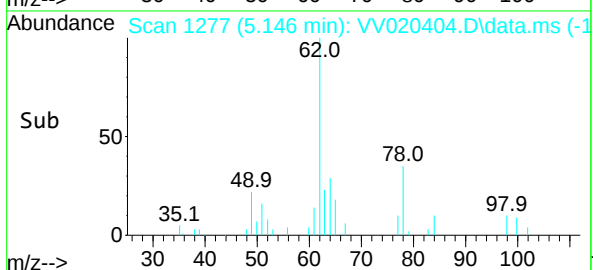
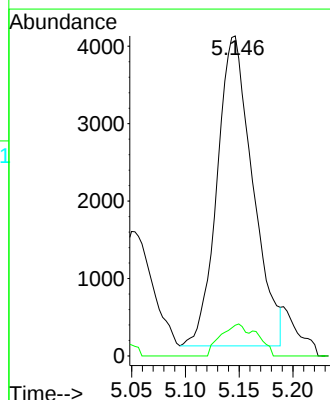
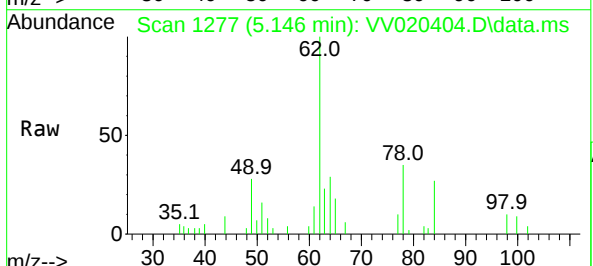
Acq: 24 Feb 2021 20:15

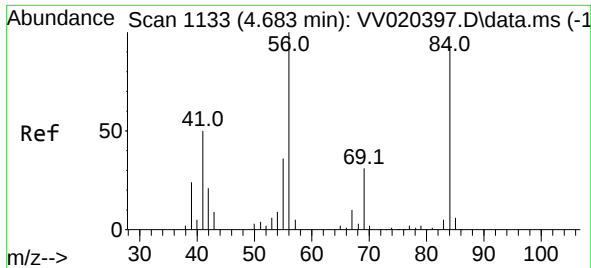
Tgt Ion: 62 Resp: 9227

Ion Ratio Lower Upper

62 100

98 9.6 7.8 11.6





#29
Cyclohexane
Concen: 1.76 ug/L
RT: 4.680 min Scan# 1132
Delta R.T. -0.003 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

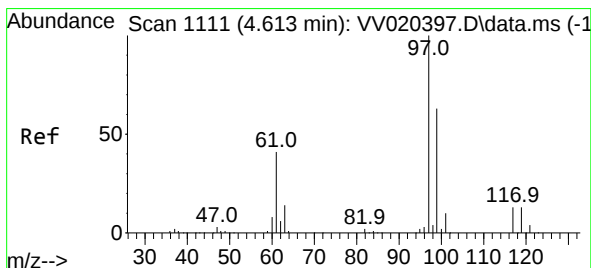
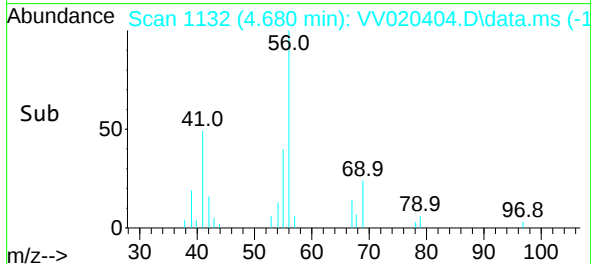
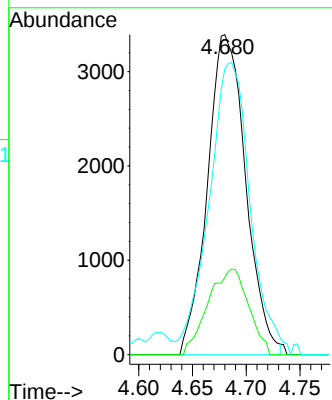
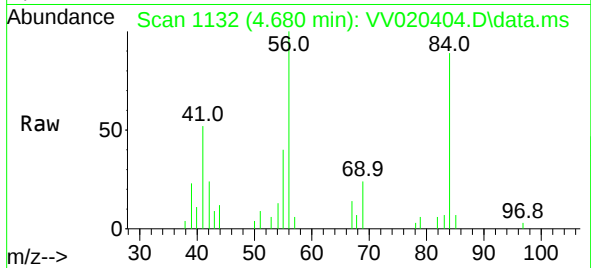
Tgt Ion:	56	Resp:	8405
Ion Ratio	Lower	Upper	
56	100		
69	11.4	25.1	37.7#
84	98.2	70.6	106.0

Instrument :
MSVOA_V
ClientSampleId :
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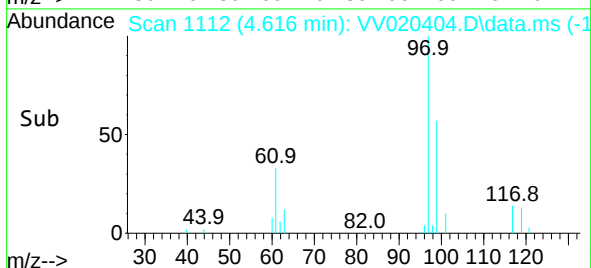
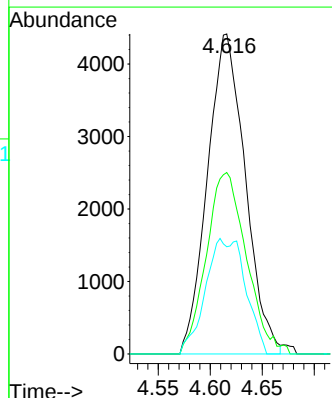
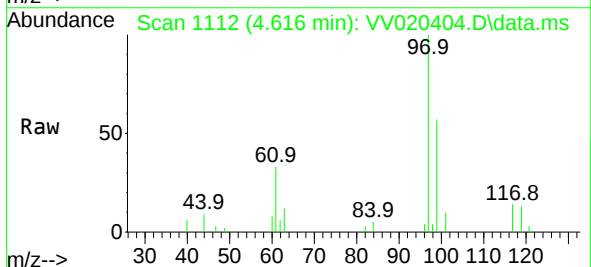
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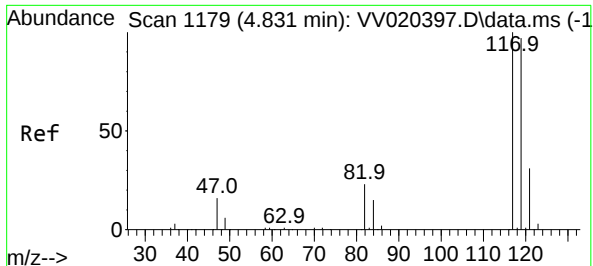
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#30
1,1,1-Trichloroethane
Concen: 1.97 ug/L
RT: 4.616 min Scan# 1112
Delta R.T. 0.003 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

Tgt Ion:	97	Resp:	11139
Ion Ratio	Lower	Upper	
97	100		
99	58.9	51.9	77.9
61	21.1	35.4	53.2#





#31
Carbon tetrachloride
Concen: 1.83 ug/L
RT: 4.834 min Scan# 1180
Delta R.T. 0.003 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

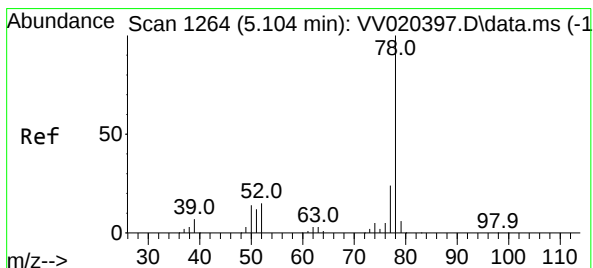
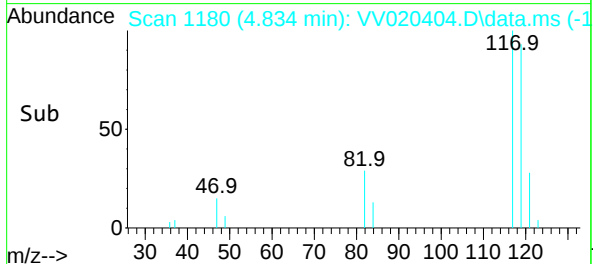
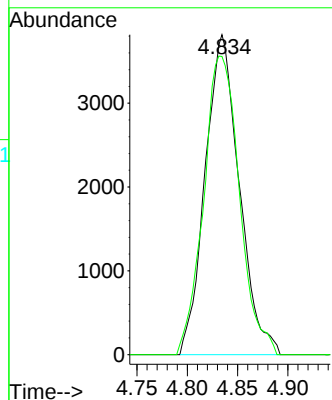
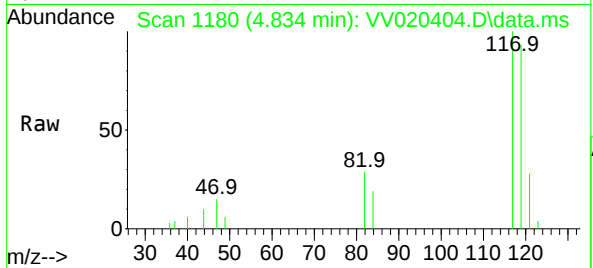
Tgt Ion: 117 Resp: 9006
Ion Ratio Lower Upper
117 100
119 98.1 76.9 115.3

Instrument :
MSVOA_V
ClientSampleId :
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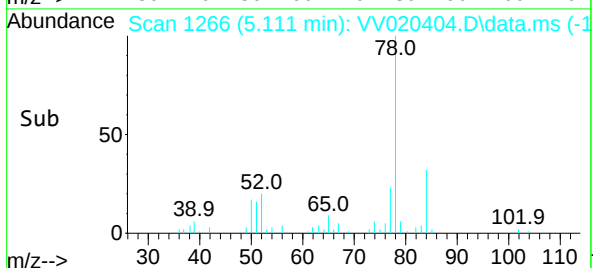
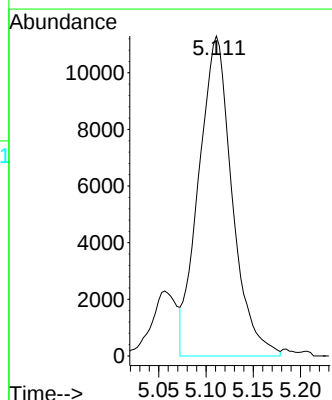
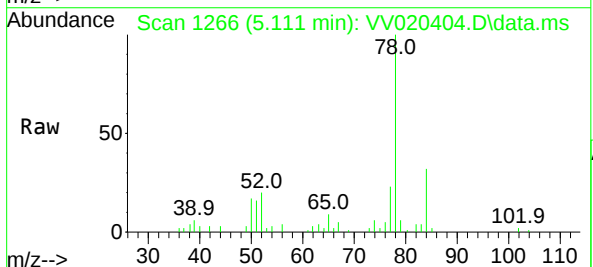
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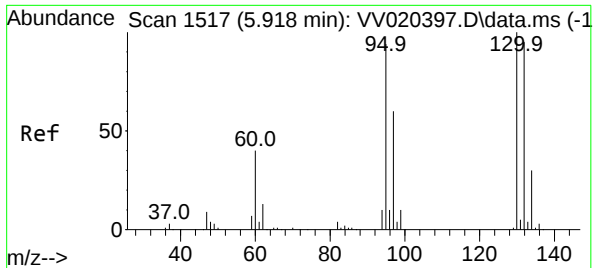
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#33
Benzene
Concen: 2.05 ug/L
RT: 5.111 min Scan# 1266
Delta R.T. 0.006 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

Tgt Ion: 78 Resp: 27726





#34
Trichloroethene
Concen: 2.13 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.003 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

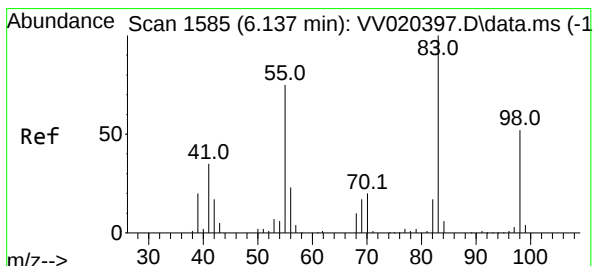
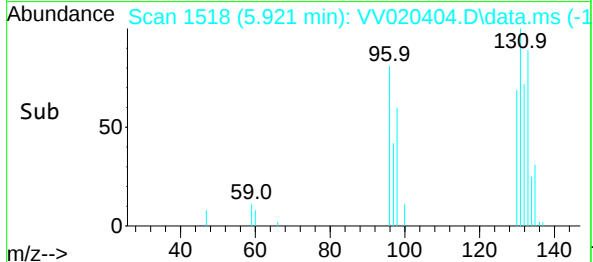
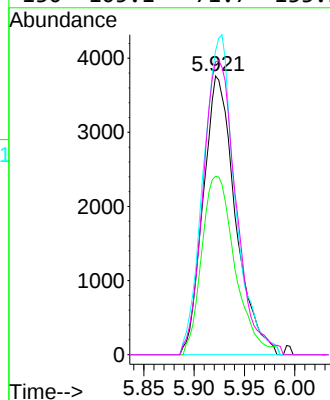
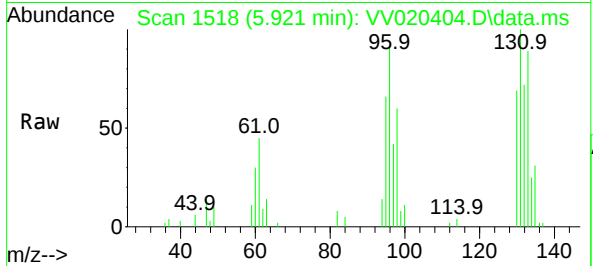
Tgt Ion: 95	Resp: 8352
Ion Ratio	Lower Upper
95 100	
97 64.0	45.4 84.4
132 109.1	68.7 127.7
130 105.1	71.7 133.1

Instrument :
MSVOA_V
ClientSampleId :
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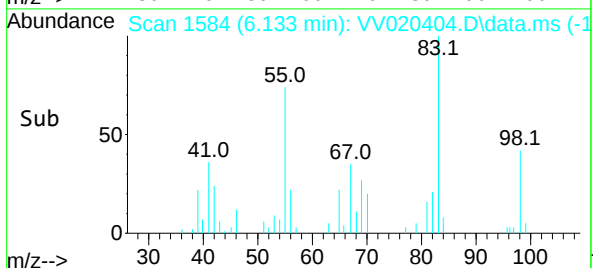
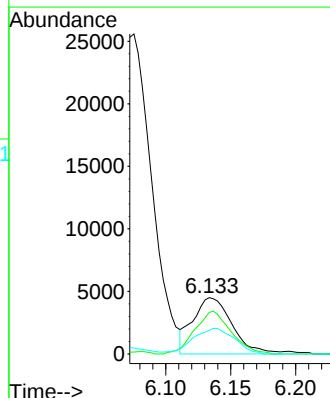
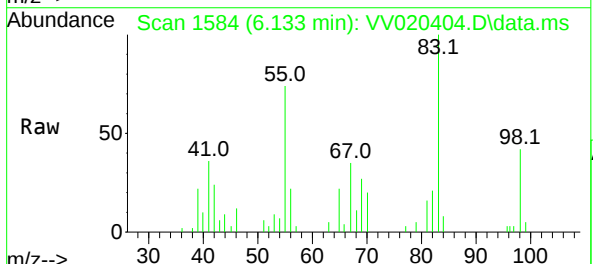
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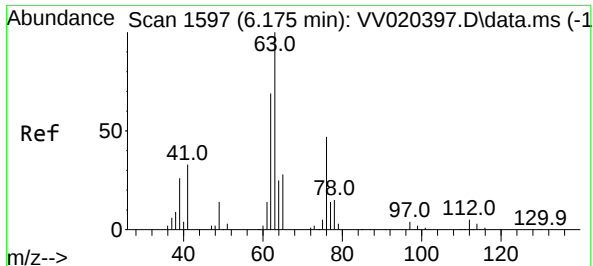
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#35
Methylcyclohexane
Concen: 1.80 ug/L
RT: 6.133 min Scan# 1584
Delta R.T. -0.003 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

Tgt Ion: 83	Resp: 9460
Ion Ratio	Lower Upper
83 100	
55 70.1	61.4 92.0
98 48.0	39.9 59.9





#37
1,2-Dichloropropane
Concen: 2.00 ug/L
RT: 6.185 min Scan# 1600
Delta R.T. 0.010 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

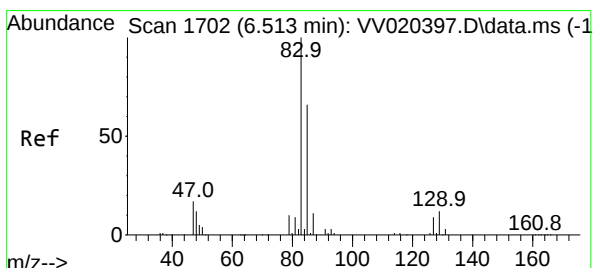
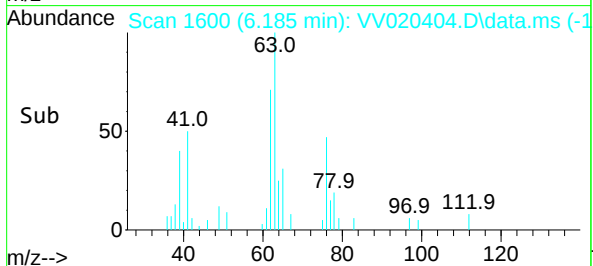
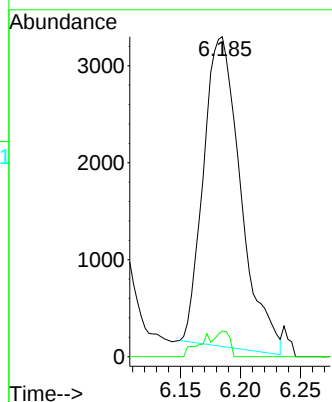
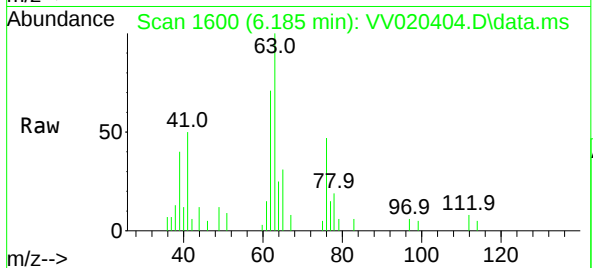
Tgt Ion: 63 Resp: 6868
Ion Ratio Lower Upper
63 100
112 3.2 3.9 5.9#

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

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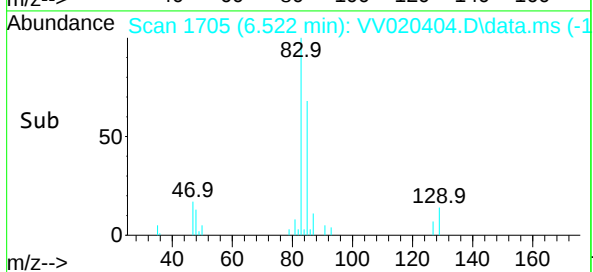
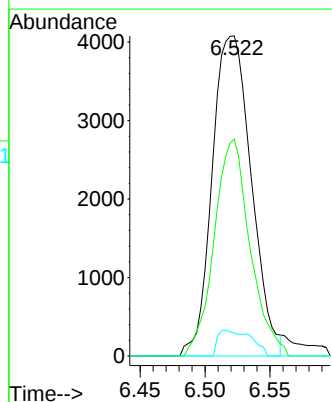
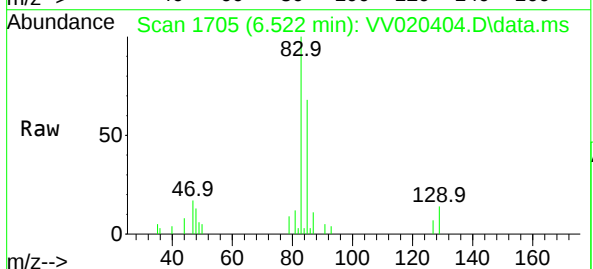
MMDadoda

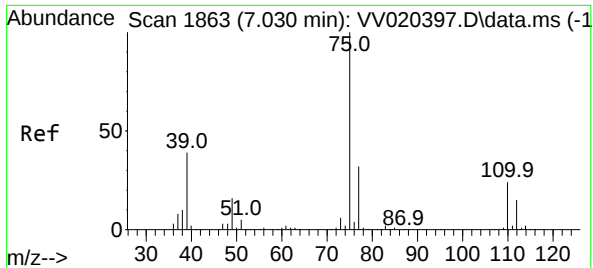
3/1/2021 9:59:55 AM



#38
Bromodichloromethane
Concen: 1.81 ug/L
RT: 6.522 min Scan# 1705
Delta R.T. 0.010 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

Tgt Ion: 83 Resp: 8538
Ion Ratio Lower Upper
83 100
85 67.8 44.2 82.2
127 7.1 6.8 10.2





#39
 cis-1,3-Dichloropropene
 Concen: 1.74 ug/L
 RT: 7.037 min Scan# 1865
 Delta R.T. 0.006 min
 Lab File: VV020404.D
 Acq: 24 Feb 2021 20:15

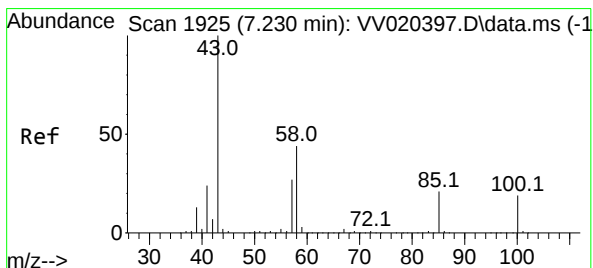
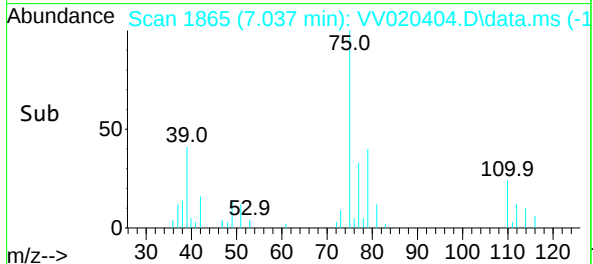
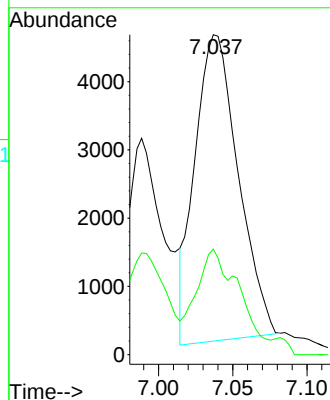
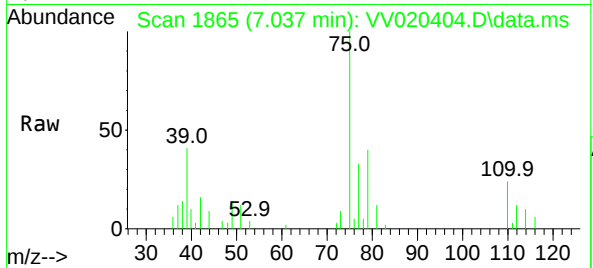
Tgt Ion: 75 Resp: 9093
 Ion Ratio Lower Upper
 75 100
 77 33.0 21.8 40.6

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2021-03

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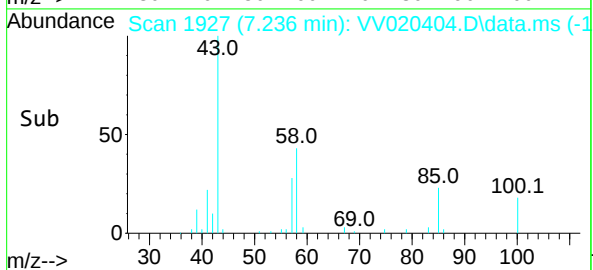
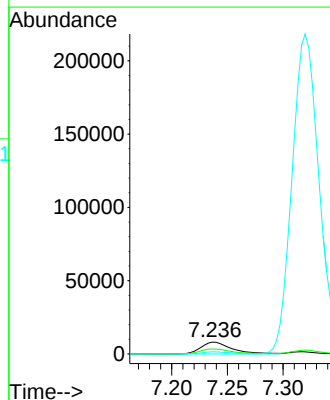
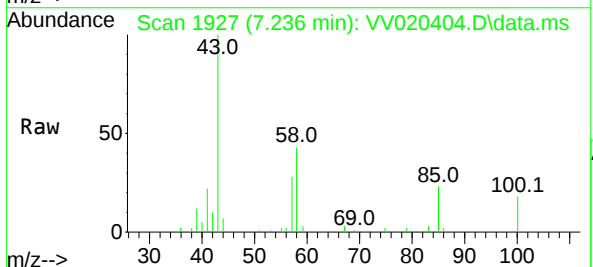
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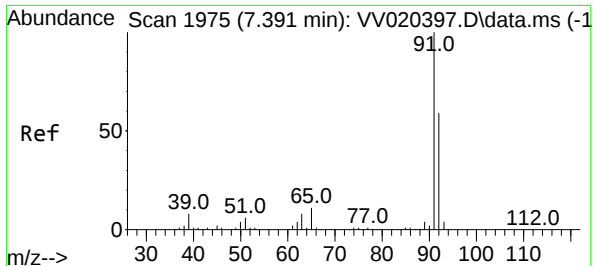
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#40
 4-Methyl-2-pentanone
 Concen: 3.64 ug/L
 RT: 7.236 min Scan# 1927
 Delta R.T. 0.006 min
 Lab File: VV020404.D
 Acq: 24 Feb 2021 20:15

Tgt Ion: 43 Resp: 15477
 Ion Ratio Lower Upper
 43 100
 58 43.4 32.1 48.1
 100 17.1 13.4 20.0





#42

Toluene

Concen: 1.96 ug/L

RT: 7.397 min Scan# 1977

Delta R.T. 0.006 min

Lab File: VV020404.D

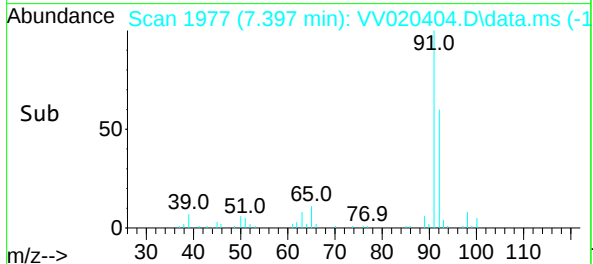
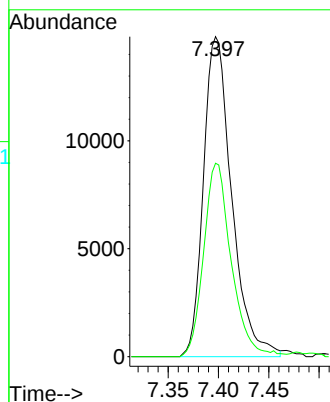
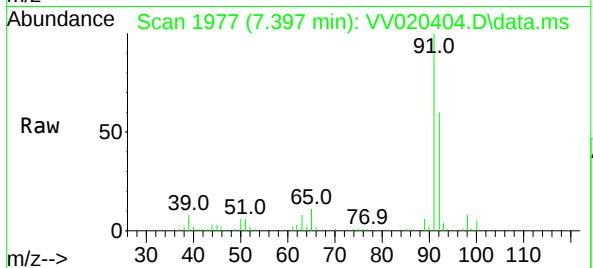
Acq: 24 Feb 2021 20:15

Tgt Ion: 91 Resp: 28977

Ion Ratio Lower Upper

91 100

92 60.5 40.9 75.9



Instrument :

MSVOA_V

ClientSampleId :

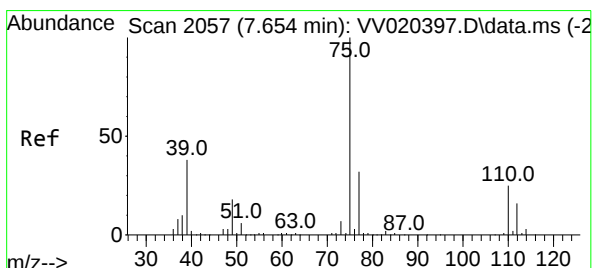
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#44

trans-1,3-Dichloropropene

Concen: 1.83 ug/L

RT: 7.664 min Scan# 2060

Delta R.T. 0.010 min

Lab File: VV020404.D

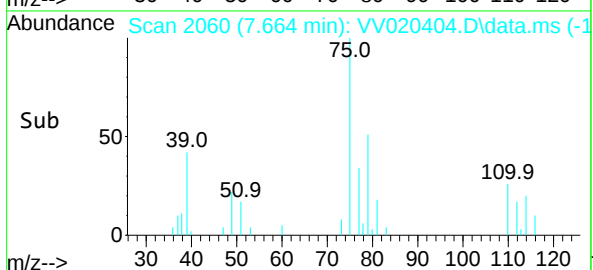
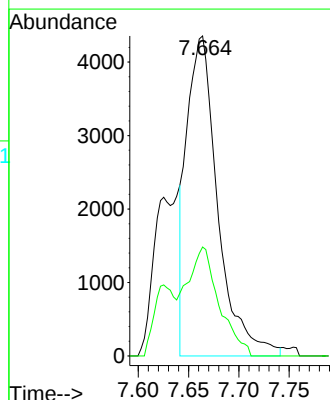
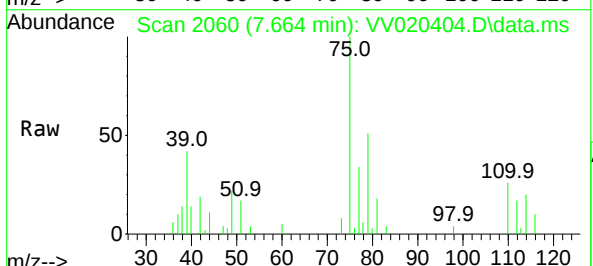
Acq: 24 Feb 2021 20:15

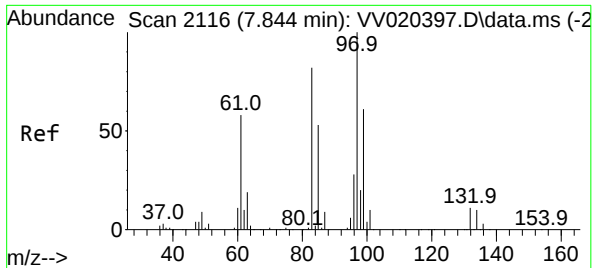
Tgt Ion: 75 Resp: 9336

Ion Ratio Lower Upper

75 100

77 34.0 22.5 41.7





#45
1,1,2-Trichloroethane
Concen: 2.03 ug/L
RT: 7.847 min Scan# 2117
Delta R.T. 0.003 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

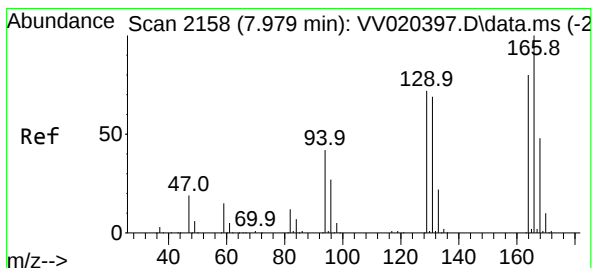
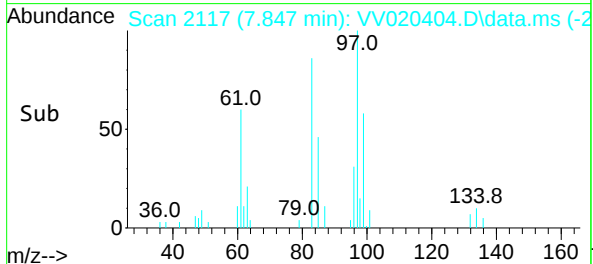
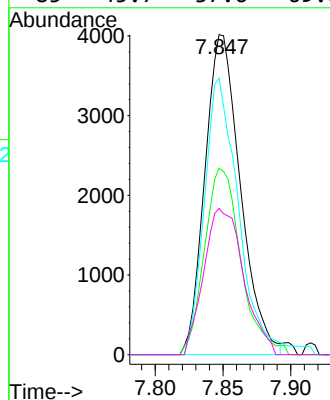
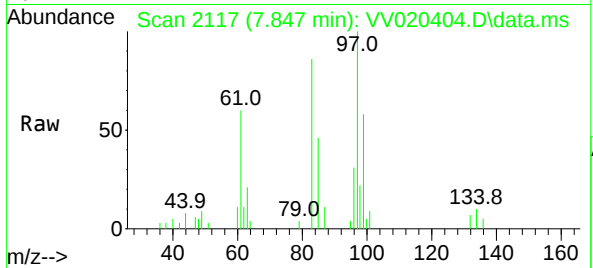
Tgt Ion:	97	Resp:	7328
Ion	Ratio	Lower	Upper
97	100		
99	58.3	43.0	79.8
83	86.4	57.8	107.4
85	45.7	37.6	69.8

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

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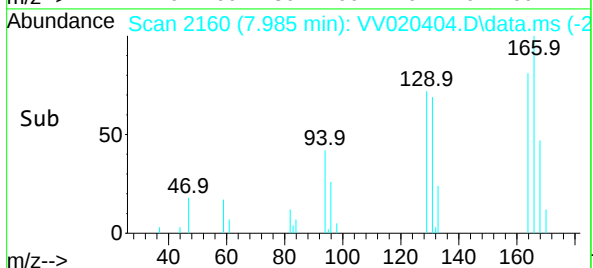
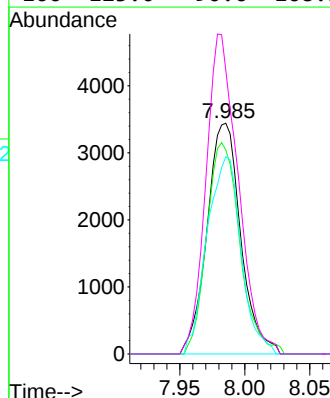
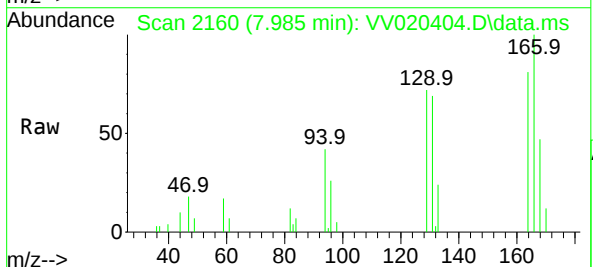
MMDadoda

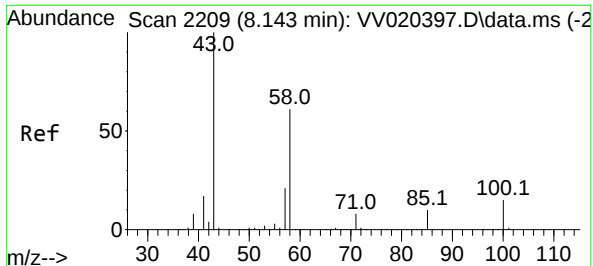
3/1/2021 9:59:55 AM



#46
Tetrachloroethene
Concen: 1.96 ug/L
RT: 7.985 min Scan# 2160
Delta R.T. 0.006 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

Tgt Ion:	164	Resp:	6201
Ion	Ratio	Lower	Upper
164	100		
129	88.5	64.0	118.8
131	85.4	61.2	113.8
166	123.0	90.6	168.3





#48
2-Hexanone
Concen: 8.36 ug/L
RT: 8.149 min Scan# 2211
Delta R.T. 0.006 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

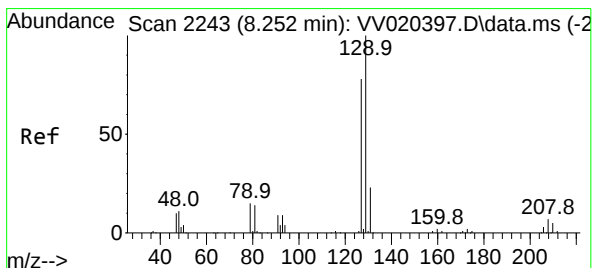
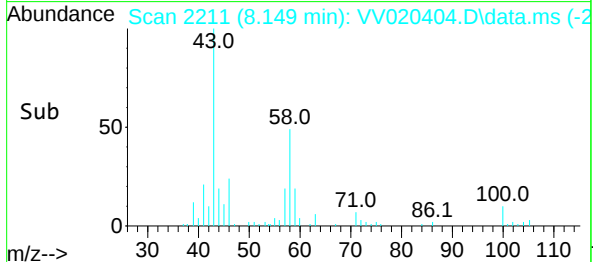
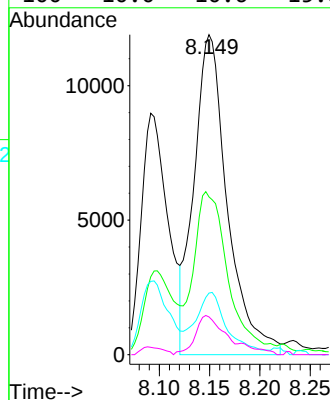
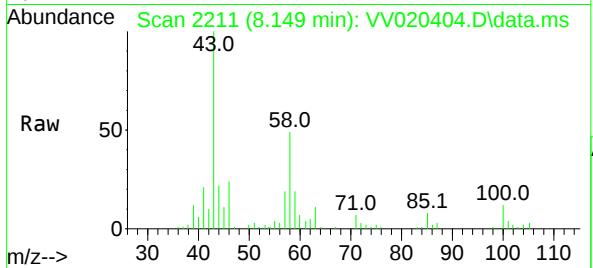
Tgt Ion:	43	Resp:	27489
Ion Ratio	Lower	Upper	
43	100		
58	51.4	45.3	67.9
57	16.1	15.8	23.6
100	10.0	10.6	15.8#

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

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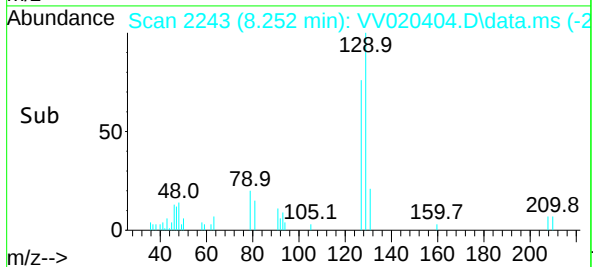
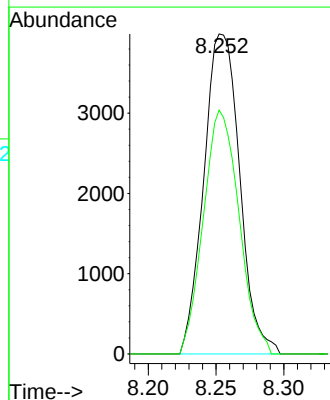
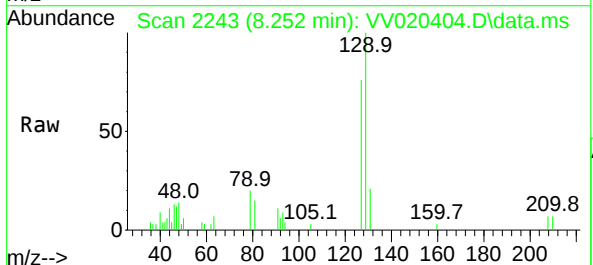
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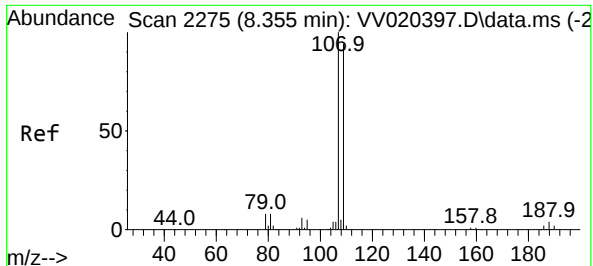
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#49
Dibromochloromethane
Concen: 1.89 ug/L
RT: 8.252 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

Tgt Ion:	129	Resp:	7354
Ion Ratio	Lower	Upper	
129	100		
127	76.2	54.7	101.7





#50

1,2-Dibromoethane

Concen: 2.01 ug/L

RT: 8.362 min Scan# 2277

Delta R.T. 0.006 min

Lab File: VV020404.D

Acq: 24 Feb 2021 20:15

Tgt Ion:	107	Resp:	7691
Ion	Ratio	Lower	Upper
107	100		
109	93.1	66.2	123.0
188	3.2	3.6	5.4#

Instrument :

MSVOA_V

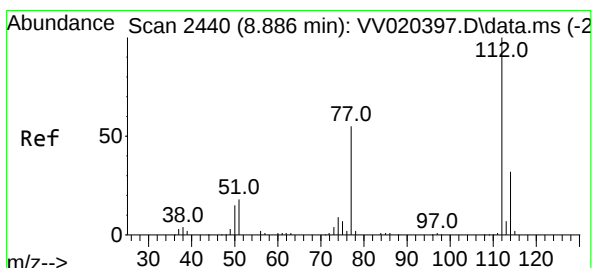
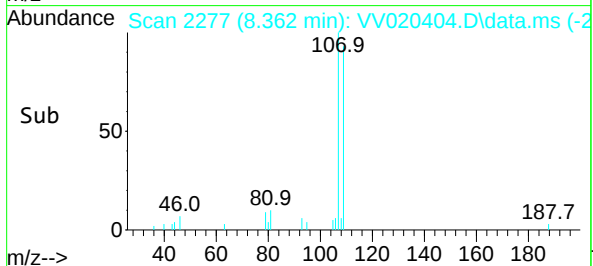
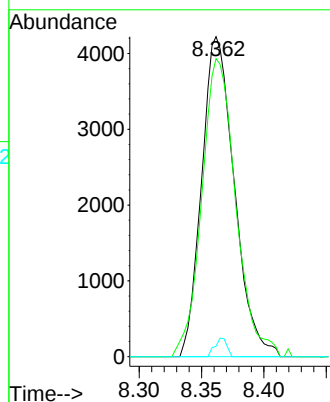
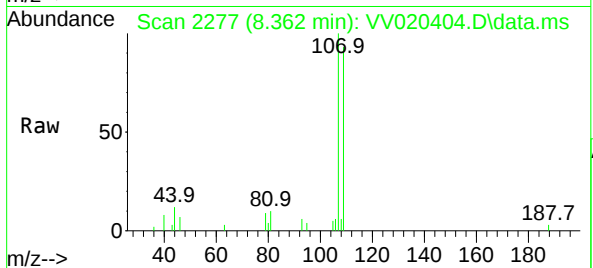
ClientSampleId :

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#51

Chlorobenzene

Concen: 1.96 ug/L

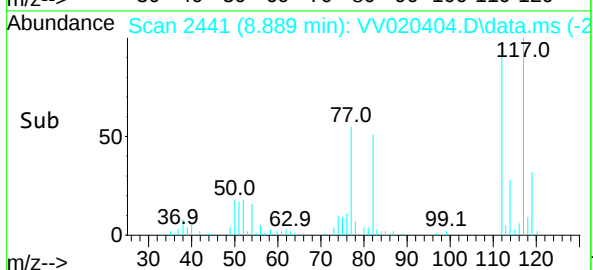
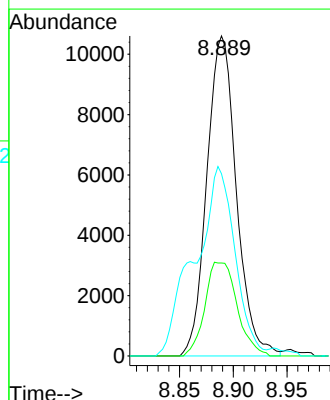
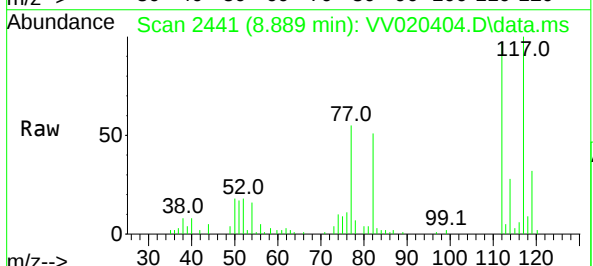
RT: 8.889 min Scan# 2441

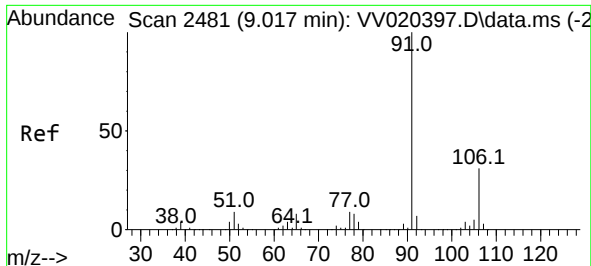
Delta R.T. 0.003 min

Lab File: VV020404.D

Acq: 24 Feb 2021 20:15

Tgt Ion:	112	Resp:	20260
Ion	Ratio	Lower	Upper
112	100		
114	29.0	22.5	41.7
77	57.0	47.3	70.9





#52

Ethylbenzene

Concen: 1.82 ug/L

RT: 9.021 min Scan# 2482

Delta R.T. 0.003 min

Lab File: VV020404.D

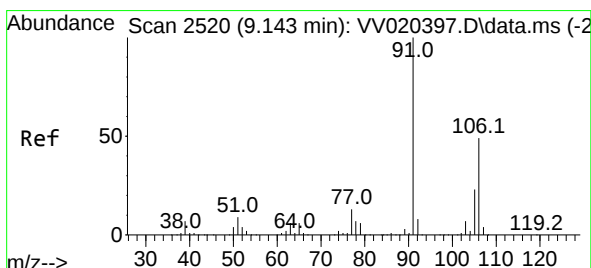
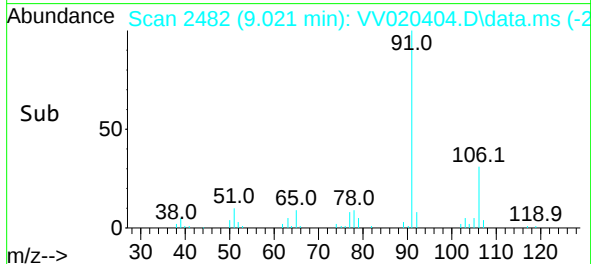
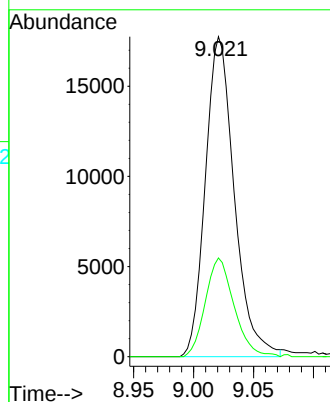
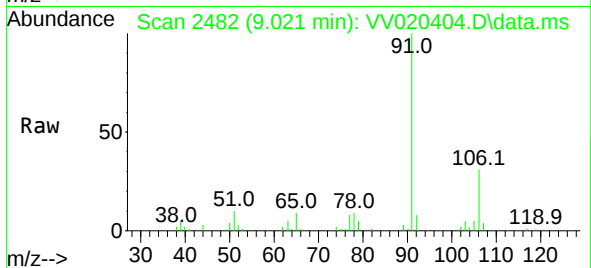
Acq: 24 Feb 2021 20:15

Tgt Ion: 91 Resp: 29768

Ion Ratio Lower Upper

91 100

106 30.8 21.3 39.6



#53

m,p-Xylene

Concen: 1.74 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.003 min

Lab File: VV020404.D

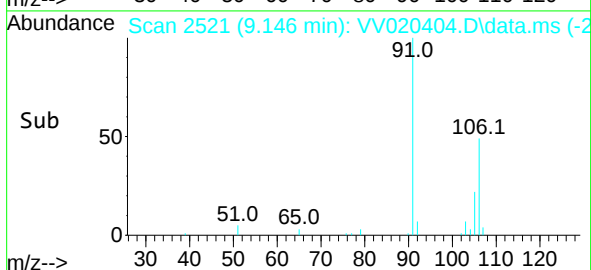
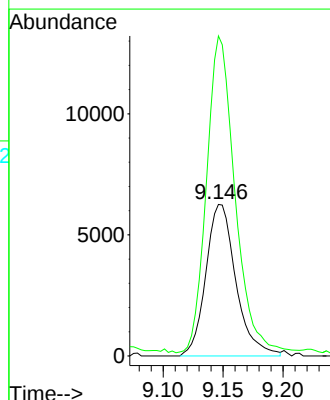
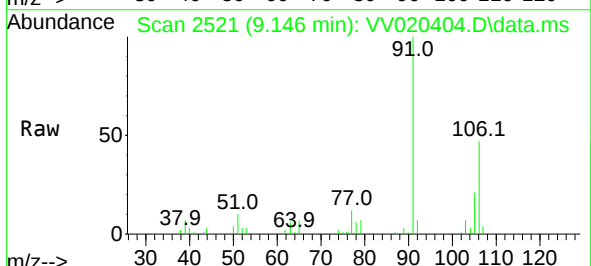
Acq: 24 Feb 2021 20:15

Tgt Ion: 106 Resp: 10916

Ion Ratio Lower Upper

106 100

91 211.2 143.1 265.7



Instrument :

MSVOA_V

ClientSampleId :

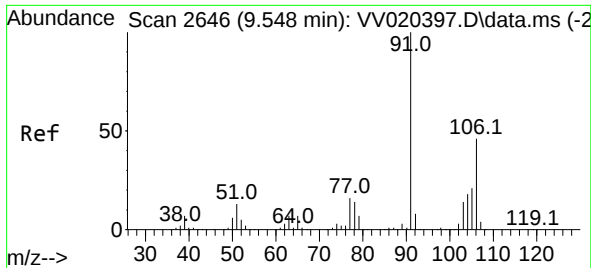
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#54
o-Xylene
Concen: 1.76 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.003 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

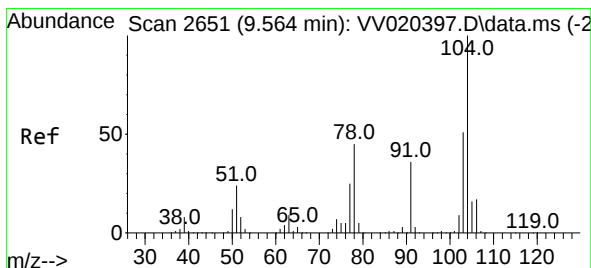
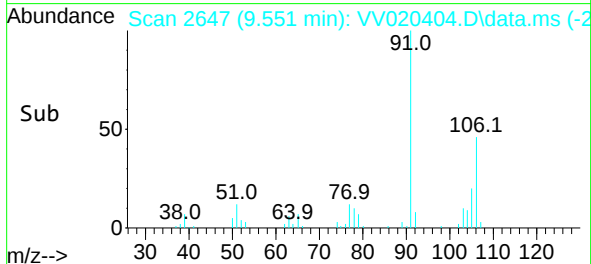
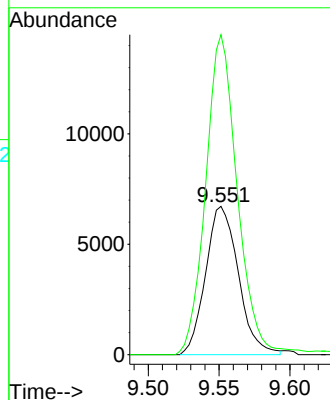
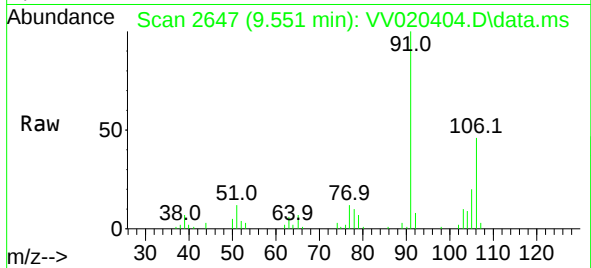
Tgt Ion:106 Resp: 10806
Ion Ratio Lower Upper
106 100
91 215.8 153.6 285.3

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

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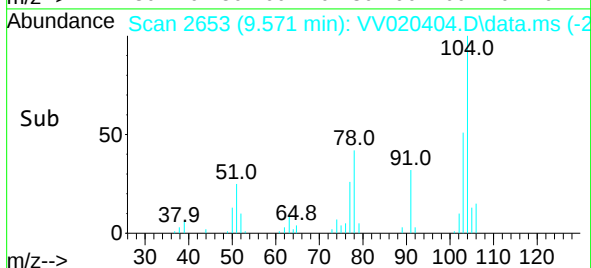
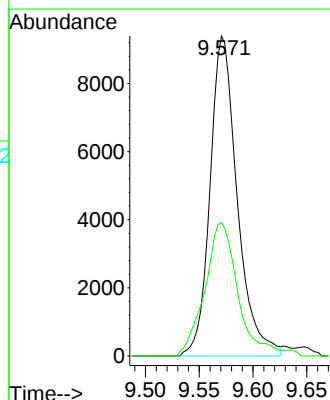
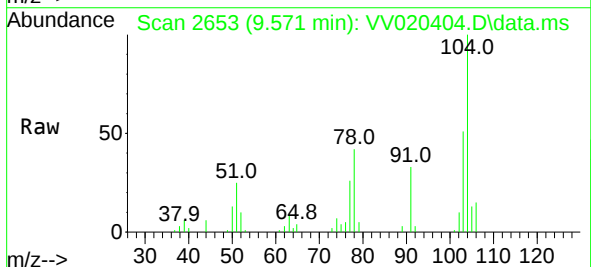
MMDadoda

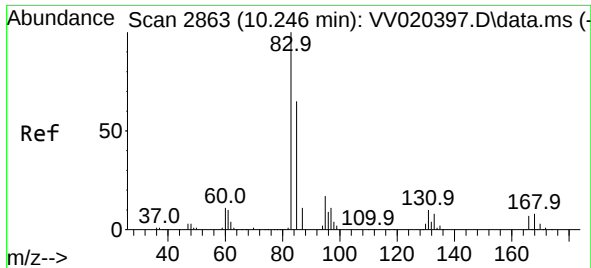
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#55
Styrene
Concen: 1.56 ug/L
RT: 9.571 min Scan# 2653
Delta R.T. 0.006 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

Tgt Ion:104 Resp: 16520
Ion Ratio Lower Upper
104 100
78 41.7 31.6 58.8





#57
1,1,2,2-Tetrachloroethane
Concen: 2.10 ug/L
RT: 10.246 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

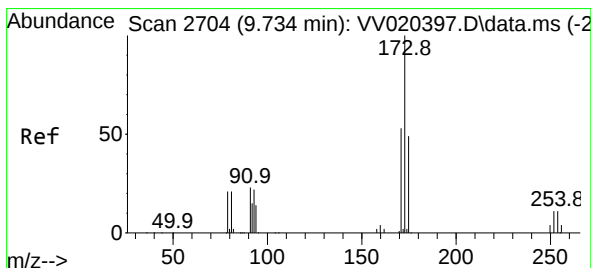
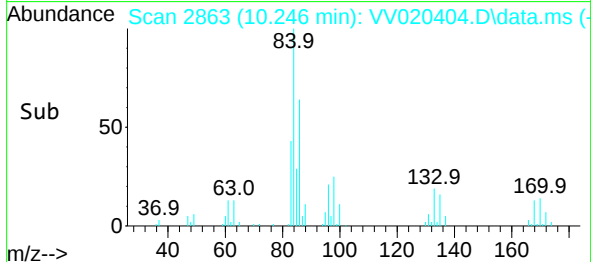
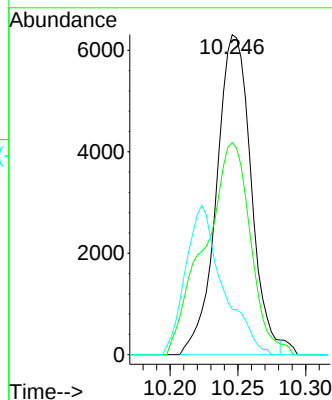
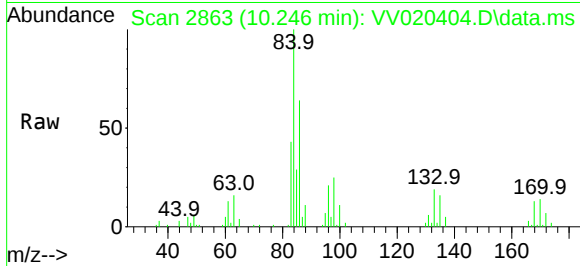
Tgt Ion:	83	Resp:	11161
Ion	Ratio	Lower	Upper
83	100		
85	66.3	45.4	84.4
131	14.2	8.6	12.8#

Instrument :
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ClientSampleId :
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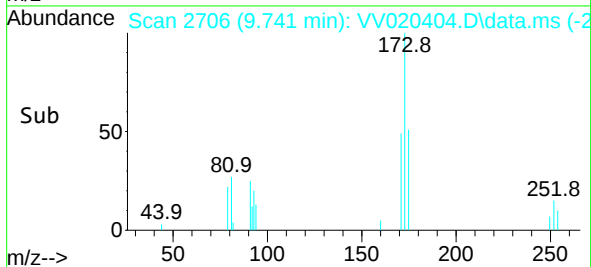
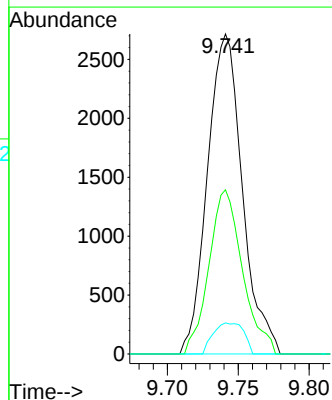
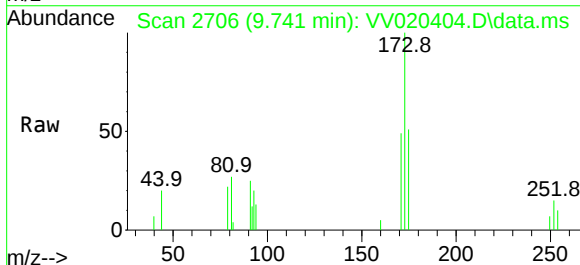
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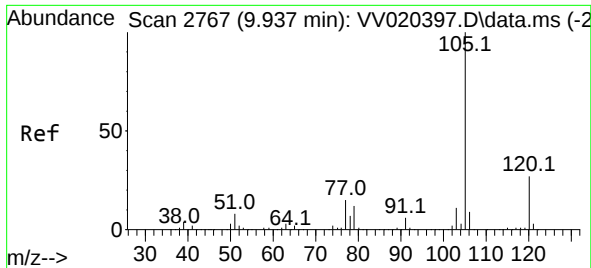
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#59
Bromoform
Concen: 1.83 ug/L
RT: 9.741 min Scan# 2706
Delta R.T. 0.006 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

Tgt Ion:	173	Resp:	4652
Ion	Ratio	Lower	Upper
173	100		
175	49.4	39.0	58.6
254	5.1	9.5	14.3#





#60
Isopropylbenzene
Concen: 1.82 ug/L
RT: 9.937 min Scan# 2767
Delta R.T. 0.000 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

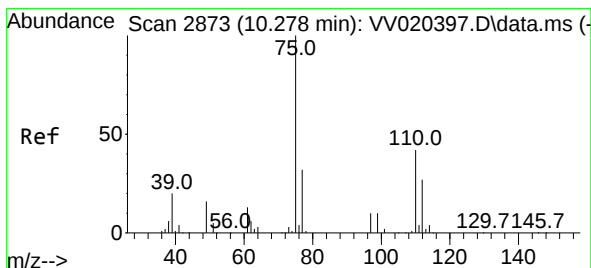
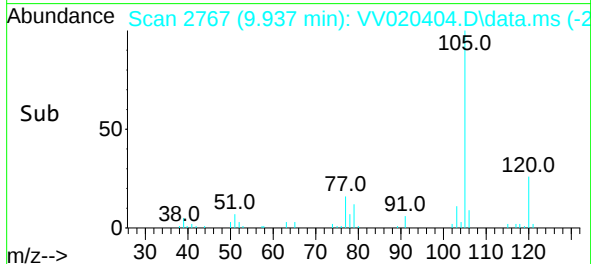
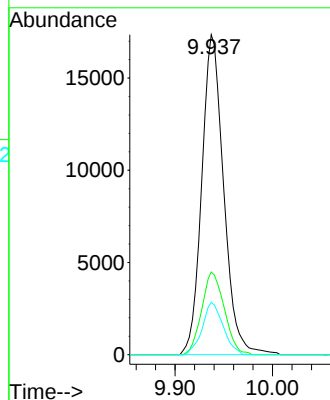
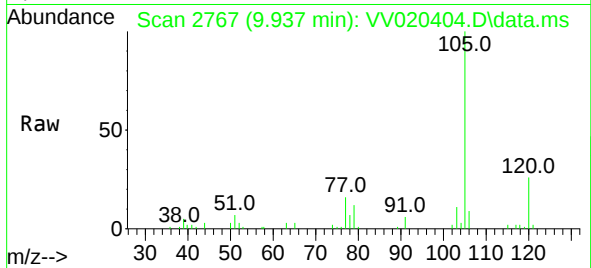
Tgt Ion:	105	Resp:	27156
Ion Ratio	Lower	Upper	
105	100		
120	26.6	21.2	31.8
77	15.5	11.8	17.6

Instrument :
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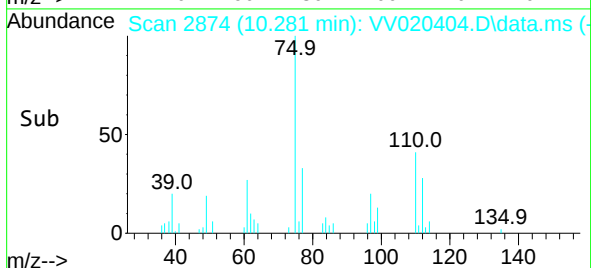
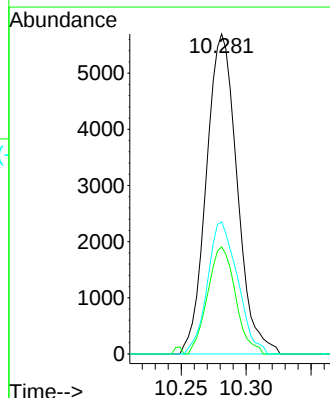
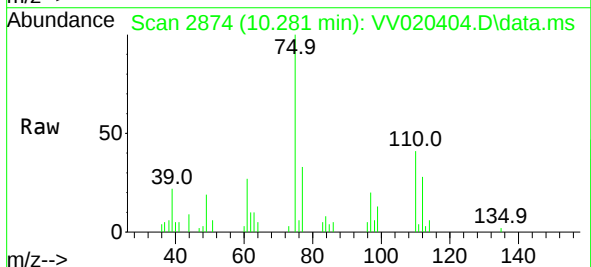
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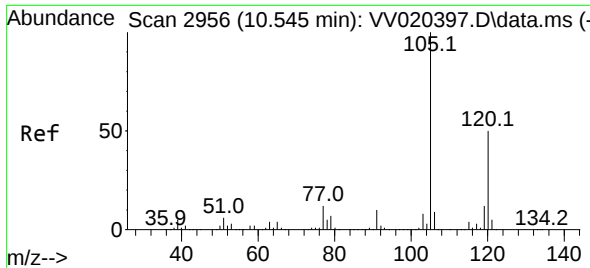
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#61
1,2,3-Trichloropropane
Concen: 2.19 ug/L
RT: 10.281 min Scan# 2874
Delta R.T. 0.003 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

Tgt Ion:	75	Resp:	9388
Ion Ratio	Lower	Upper	
75	100		
77	30.3	25.7	38.5
110	40.3	33.3	49.9





#62
1,3,5-Trimethylbenzene
Concen: 1.69 ug/L
RT: 10.548 min Scan# 2957
Delta R.T. 0.003 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

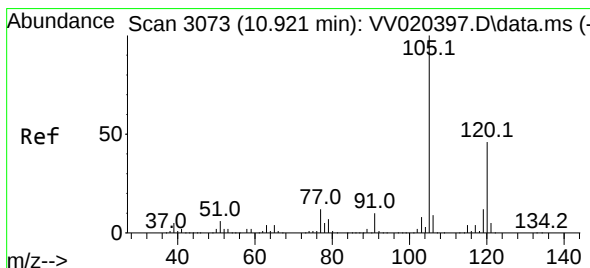
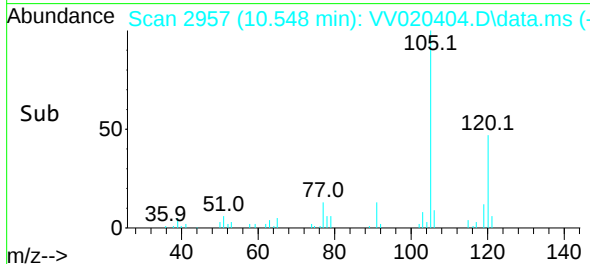
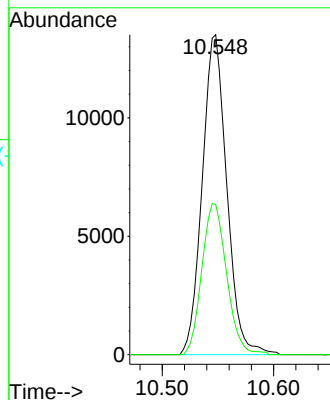
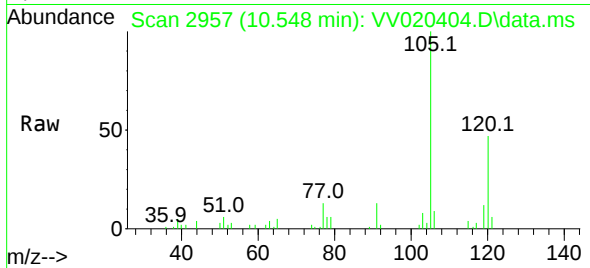
Tgt Ion:105 Resp: 20688
Ion Ratio Lower Upper
105 100
120 47.6 39.9 59.9

Instrument :
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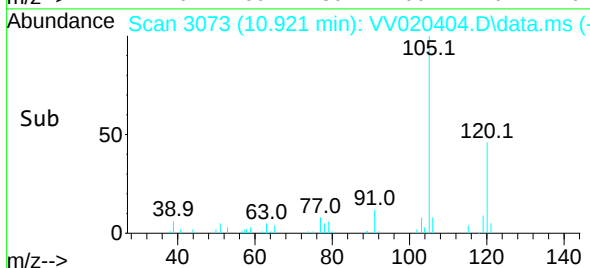
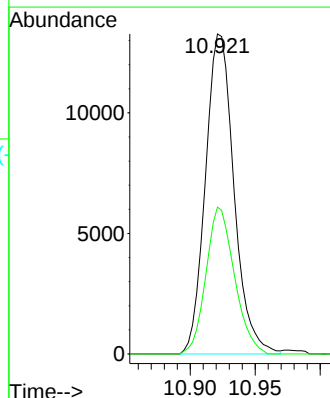
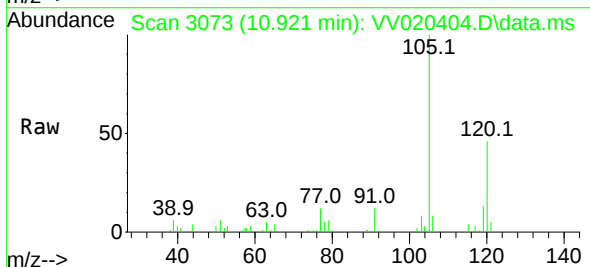
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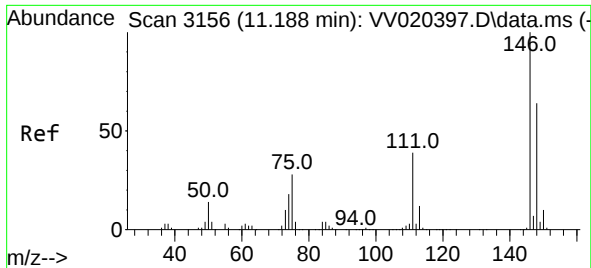
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#63
1,2,4-Trimethylbenzene
Concen: 1.62 ug/L
RT: 10.921 min Scan# 3073
Delta R.T. 0.000 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

Tgt Ion:105 Resp: 20301
Ion Ratio Lower Upper
105 100
120 45.7 37.0 55.6





#64
1,3-Dichlorobenzene
Concen: 1.89 ug/L
RT: 11.191 min Scan# 3157
Delta R.T. 0.003 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

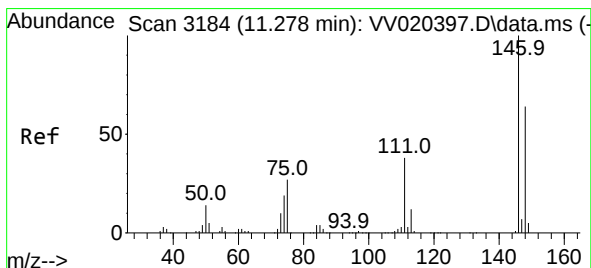
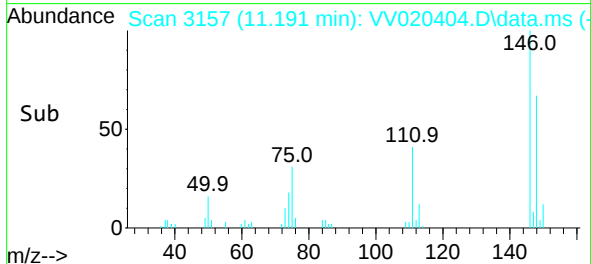
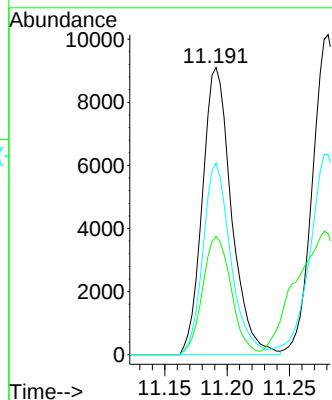
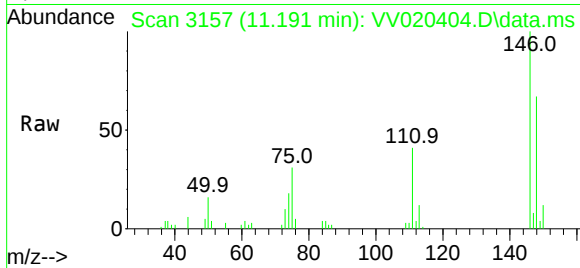
Tgt Ion:146 Resp: 14808
Ion Ratio Lower Upper
146 100
111 41.2 27.4 51.0
148 66.7 44.1 81.9

Instrument :
MSVOA_V
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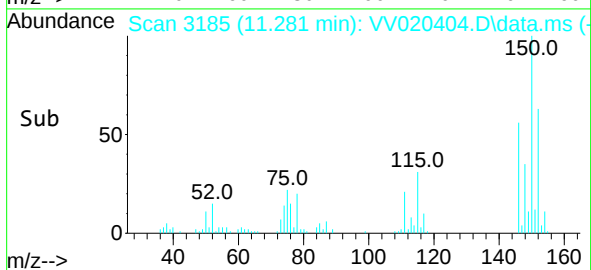
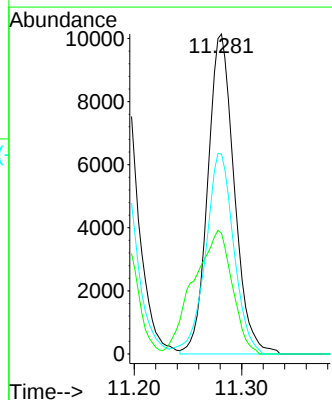
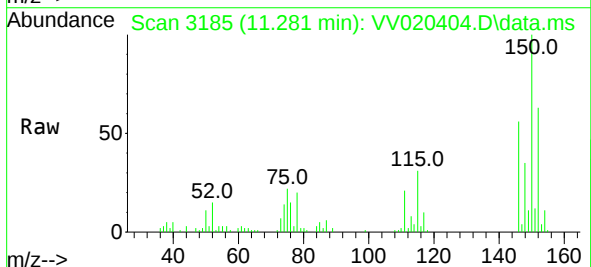
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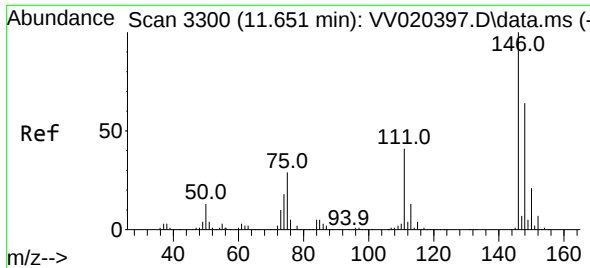
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#65
1,4-Dichlorobenzene
Concen: 2.13 ug/L
RT: 11.281 min Scan# 3185
Delta R.T. 0.003 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

Tgt Ion:146 Resp: 17337
Ion Ratio Lower Upper
146 100
111 37.7 26.1 48.5
148 62.5 44.6 82.8





#67
1,2-Dichlorobenzene
Concen: 2.20 ug/L
RT: 11.648 min Scan# 3299
Delta R.T. -0.003 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

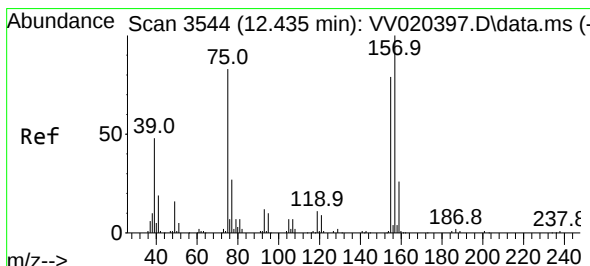
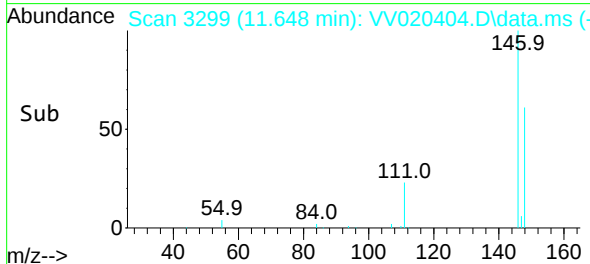
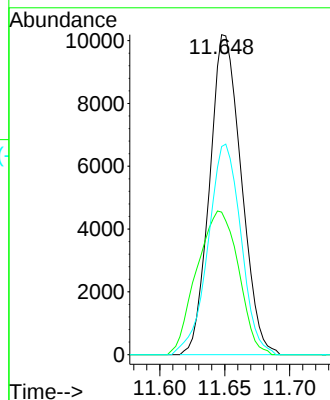
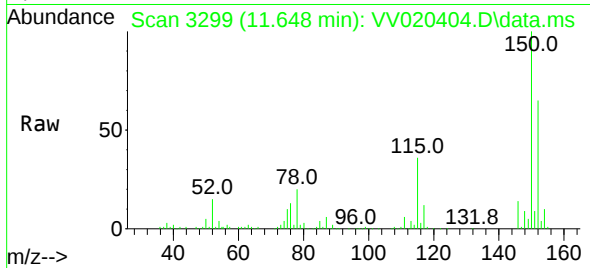
Tgt Ion:	146	Resp:	17254
Ion Ratio	Lower	Upper	
146	100		
111	44.5	32.4	48.6
148	65.0	51.0	76.4

Instrument :
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ClientSampleId :
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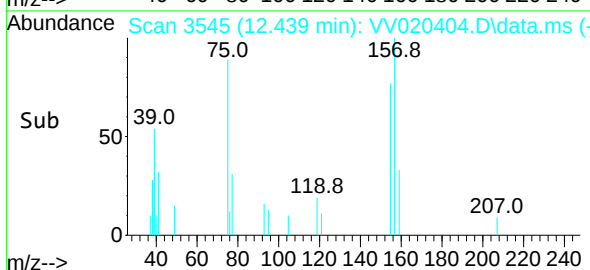
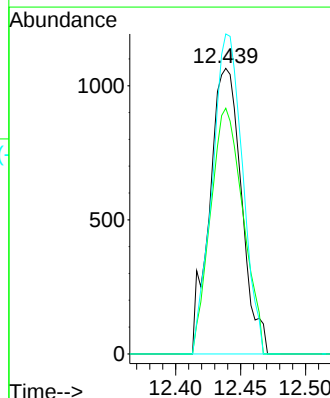
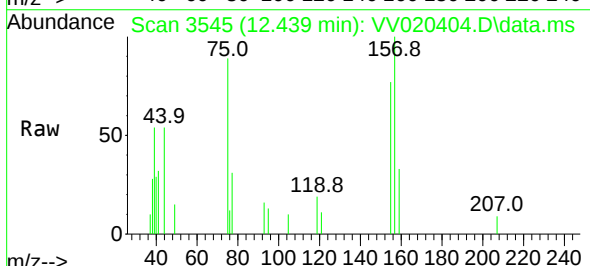
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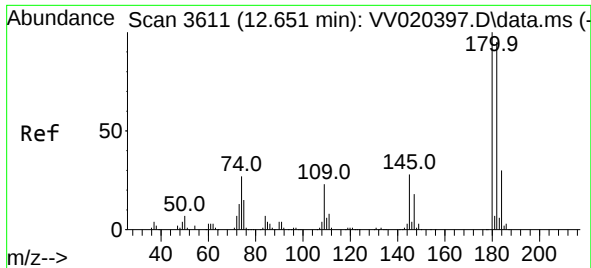
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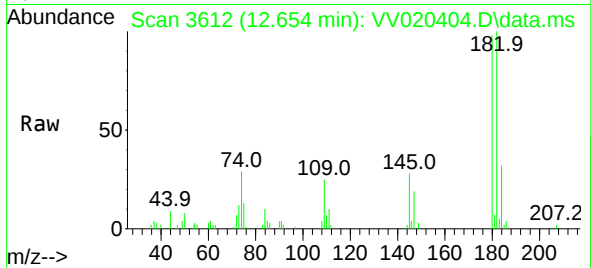
#68
1,2-Dibromo-3-chloropropane
Concen: 1.83 ug/L
RT: 12.439 min Scan# 3545
Delta R.T. 0.003 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15

Tgt Ion:	75	Resp:	1817
Ion Ratio	Lower	Upper	
75	100		
155	86.0	74.1	111.1
157	112.0	95.8	143.8

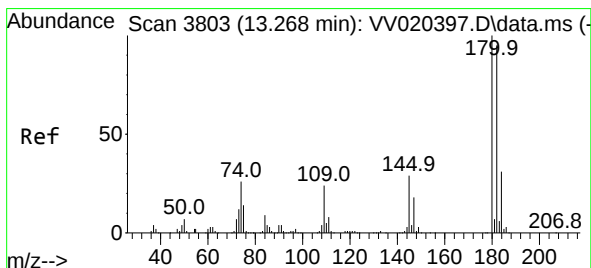
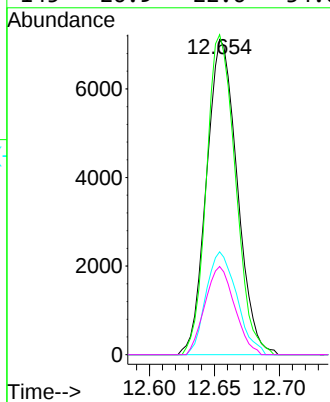
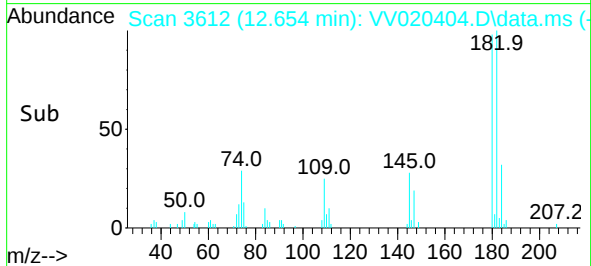




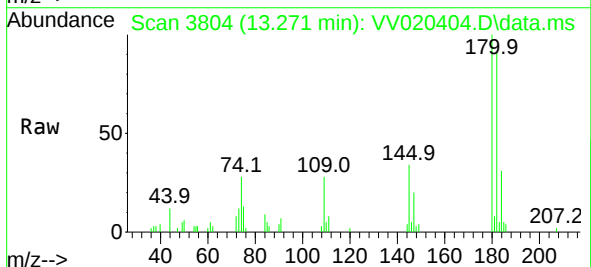
#69
1,3,5-Trichlorobenzene
Concen: 1.91 ug/L
RT: 12.654 min Scan# 3612
Delta R.T. 0.003 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15



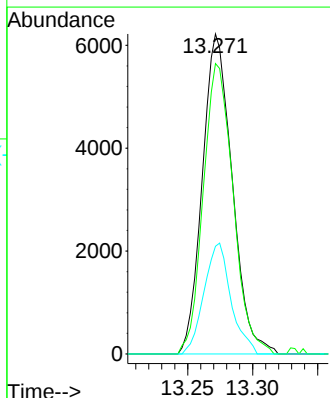
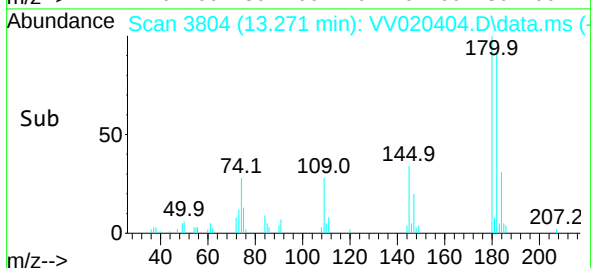
Tgt Ion:	180	Resp:	11658
Ion Ratio	Lower	Upper	
180	100		
182	96.2	76.1	114.1
184	32.7	24.1	36.1
145	26.9	22.6	34.0



#70
1,2,4-trichlorobenzene
Concen: 1.87 ug/L
RT: 13.271 min Scan# 3804
Delta R.T. 0.003 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15



Tgt Ion:	180	Resp:	9934
Ion Ratio	Lower	Upper	
180	100		
182	90.8	77.1	115.7
145	31.2	23.4	35.2

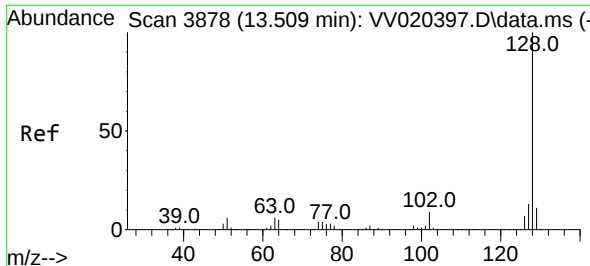


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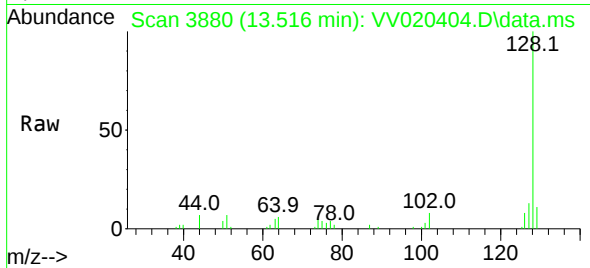
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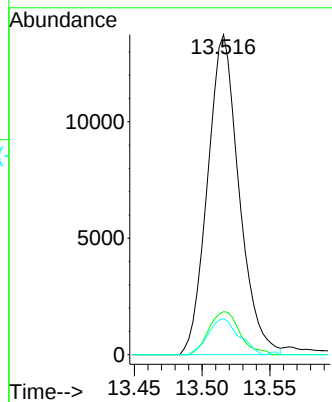
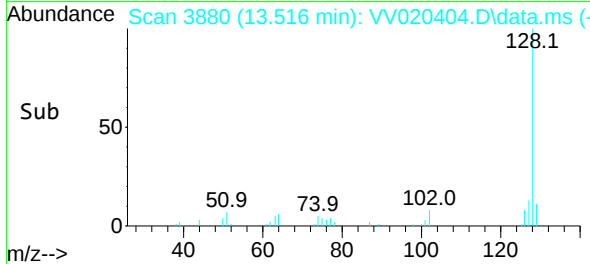
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#71
Naphthalene
Concen: 1.51 ug/L
RT: 13.516 min Scan# 3880
Delta R.T. 0.006 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15



Tgt Ion:128 Resp: 22218
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 11.0 8.6 12.8

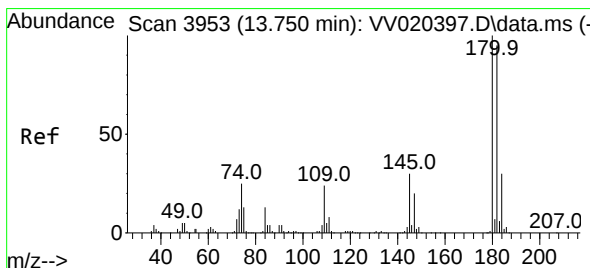


Instrument :
MSVOA_V
ClientSampleId :
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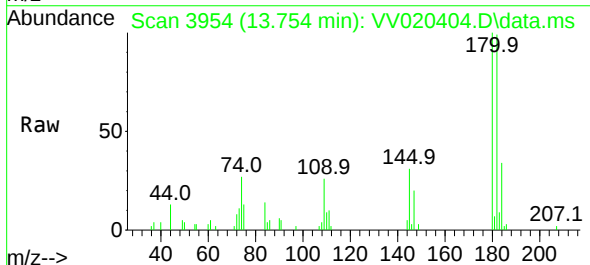
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#72
1,2,3-Trichlorobenzene
Concen: 1.77 ug/L
RT: 13.754 min Scan# 3954
Delta R.T. 0.003 min
Lab File: VV020404.D
Acq: 24 Feb 2021 20:15



Tgt Ion:180 Resp: 9436
Ion Ratio Lower Upper
180 100
182 99.2 76.6 114.8
145 31.3 24.5 36.7

