

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022621\
 Data File : VX020929.D
 Acq On : 26 Feb 2021 15:55
 Operator : JC/MD
 Sample : M1344-05
 Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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3/4/2021 11:58:35 AM

Quant Time: Feb 27 02:44:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML022621WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 26 12:33:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.829	114	291910	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.094	117	263418	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.059	152	117625	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.387	65	98775	50.36	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 100.72%			
7) Chloroethane-d5	1.693	69	86024	52.78	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.56%			
11) 1,1-Dichloroethene-d2	2.346	63	141002	38.04	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 76.08%			
21) 2-Butanone-d5	4.523	46	136946	114.41	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 114.41%			
24) Chloroform-d	5.141	84	194853	53.04	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 106.08%			
26) 1,2-Dichloroethane-d4	6.029	65	126085	53.18	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 106.36%			
32) Benzene-d6	6.047	84	404998	51.97	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.94%			
36) 1,2-Dichloropropane-d6	7.370	67	125792	52.35	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 104.70%			
41) Toluene-d8	8.694	98	371178	53.06	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.12%			
43) trans-1,3-Dichloroprop...	8.994	79	65599	52.41	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 104.82%			
47) 2-Hexanone-d5	9.424	63	107807	110.59	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 110.59%			
56) 1,1,2,2-Tetrachloroeth...	11.230	84	159855	53.59	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 107.18%			
66) 1,2-Dichlorobenzene-d4	12.359	152	127399	56.58	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 113.16%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	5018	2.28	ug/L	95
3) Chloromethane	1.311	50	5058	2.57	ug/L	97
5) Vinyl chloride	1.393	62	5649	2.43	ug/L #	59
6) Bromomethane	1.629	94	3814	3.46	ug/L	99
8) Chloroethane	1.717	64	3579	2.46	ug/L	100
9) Trichlorofluoromethane	1.917	101	7221	2.38	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.364	101	6185	3.08	ug/L #	77
12) 1,1-Dichloroethene	2.352	96	5783	2.96	ug/L #	1
13) Acetone	2.417	43	4954	4.87	ug/L	93
14) Carbon disulfide	2.552	76	13451	2.37	ug/L	98
15) Methyl Acetate	2.746	43	4743	2.47	ug/L	97
16) Methylene chloride	2.835	84	6737	3.09	ug/L	99
17) trans-1,2-Dichloroethene	3.140	96	4895	2.34	ug/L	84
18) Methyl tert-butyl Ether	3.164	73	15380	2.24	ug/L	96
19) 1,1-Dichloroethane	3.670	63	8185	2.23	ug/L	99
20) cis-1,2-Dichloroethene	4.564	96	5366	2.29	ug/L	83
22) 2-Butanone	4.641	43	6175	4.28	ug/L	97
23) Bromochloromethane	4.982	128	2685	2.31	ug/L	95
25) Chloroform	5.176	83	10610	2.71	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.164	62	6998	2.43	ug/L	100
29) Cyclohexane	5.547	56	7258	2.17	ug/L	95
30) 1,1,1-Trichloroethane	5.470	97	7688m	2.28	ug/L	
31) Carbon tetrachloride	5.753	117	6141	2.19	ug/L	100
33) Benzene	6.111	78	19045	2.21	ug/L	100
34) Trichloroethene	7.188	95	5049	2.20	ug/L	92
35) Methylcyclohexane	7.435	83	7866	2.24	ug/L	95
37) 1,2-Dichloropropane	7.488	63	4990	2.31	ug/L	99
38) Bromodichloromethane	7.870	83	6584	2.20	ug/L	98
39) cis-1,3-Dichloropropene	8.412	75	7846	2.22	ug/L	95
40) 4-Methyl-2-pentanone	8.618	43	11721	4.44	ug/L	98
42) Toluene	8.765	91	20729	2.31	ug/L	93
44) trans-1,3-Dichloropropene	9.018	75	9670	2.86	ug/L	100
45) 1,1,2-Trichloroethane	9.194	97	4943	2.30	ug/L	97
46) Tetrachloroethene	9.318	164	3890	2.37	ug/L	89
48) 2-Hexanone	9.471	43	10230	5.08	ug/L	99
49) Dibromochloromethane	9.565	129	5321	2.35	ug/L	96
50) 1,2-Dibromoethane	9.653	107	5104	2.29	ug/L	100
51) Chlorobenzene	10.118	112	13069	2.30	ug/L	98
52) Ethylbenzene	10.236	91	22694	2.30	ug/L	100
53) m,p-Xylene	10.341	106	8365	2.25	ug/L	94
54) o-Xylene	10.677	106	8042	2.22	ug/L	92
55) Styrene	10.694	104	13317	2.11	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.247	83	7520	2.45	ug/L #	98
59) Bromoform	10.841	173	3563	2.40	ug/L	99
60) Isopropylbenzene	11.000	105	21342	2.37	ug/L	99
61) 1,2,3-Trichloropropane	11.277	75	5706	2.42	ug/L	99
62) 1,3,5-Trimethylbenzene	11.489	105	16697	2.26	ug/L	96
63) 1,2,4-Trimethylbenzene	11.789	105	16778	2.26	ug/L	100
64) 1,3-Dichlorobenzene	12.006	146	9324	2.42	ug/L	84
65) 1,4-Dichlorobenzene	12.083	146	9235	2.39	ug/L	95
67) 1,2-Dichlorobenzene	12.371	146	9094	2.39	ug/L #	93
68) 1,2-Dibromo-3-chloropr...	12.983	75	1468	2.26	ug/L	98
69) 1,3,5-Trichlorobenzene	13.154	180	5665	2.16	ug/L	95
70) 1,2,4-trichlorobenzene	13.624	180	5358	2.31	ug/L	99
71) Naphthalene	13.818	128	16143	1.92	ug/L	98
72) 1,2,3-Trichlorobenzene	14.001	180	5160	2.19	ug/L	96

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

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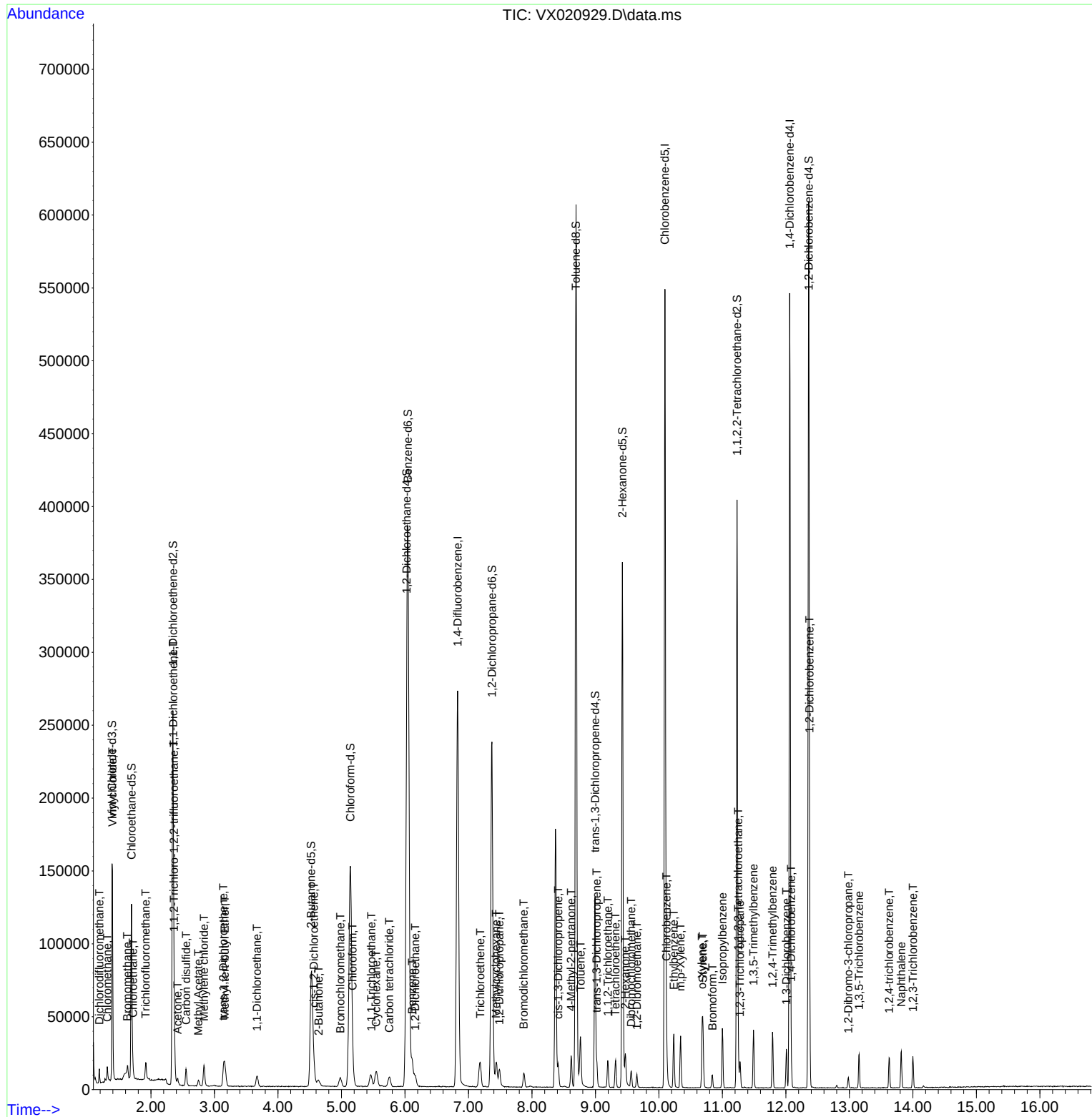
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 MDL-MED-SOIL-QT2-2021-03

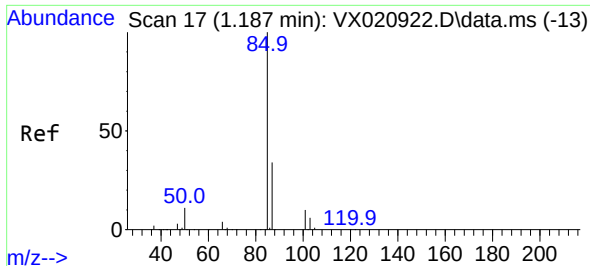
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#2
Dichlorodifluoromethane
Concen: 2.28 ug/L
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

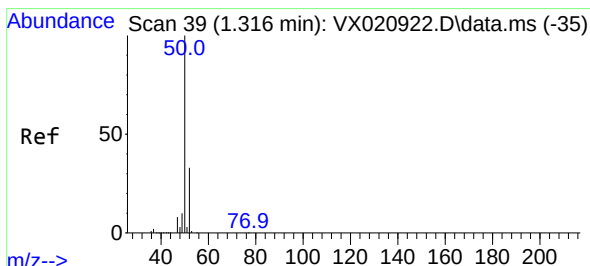
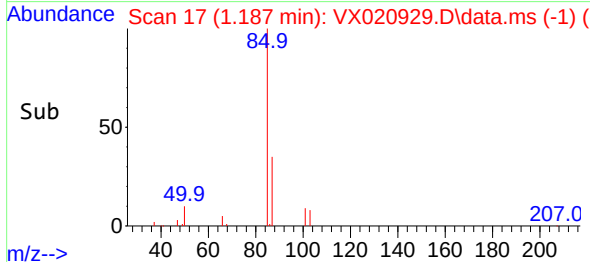
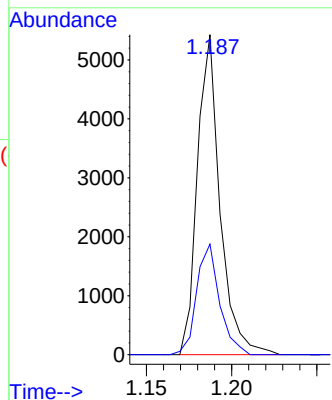
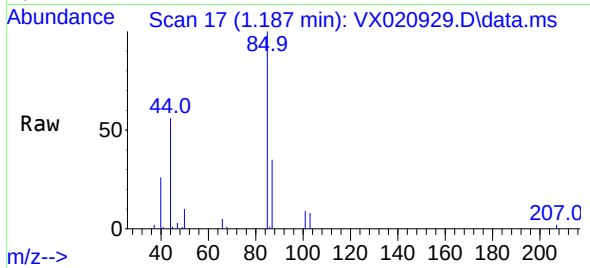
Tgt Ion: 85 Resp: 5018
Ion Ratio Lower Upper
85 100
87 35.0 25.9 38.9

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

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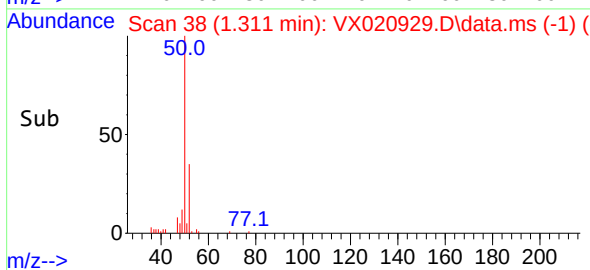
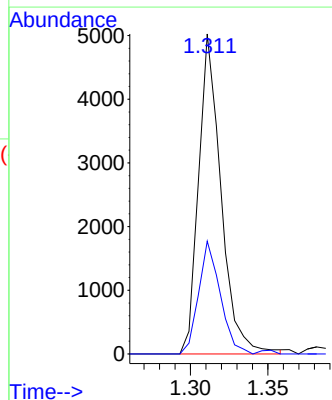
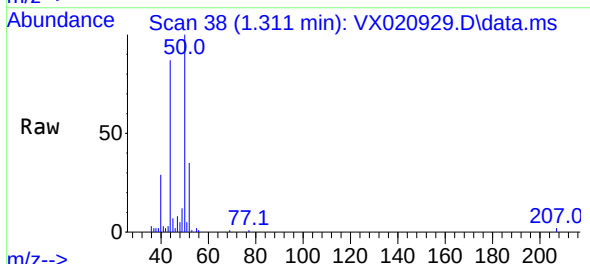
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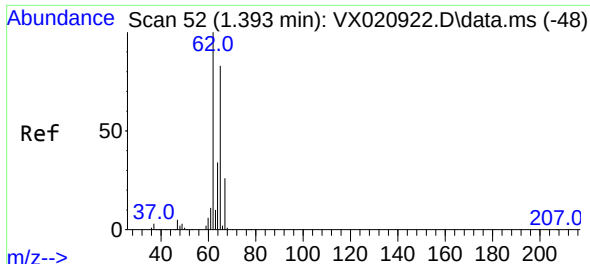
3/4/2021 11:58:35 AM



#3
Chloromethane
Concen: 2.57 ug/L
RT: 1.311 min Scan# 38
Delta R.T. -0.006 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

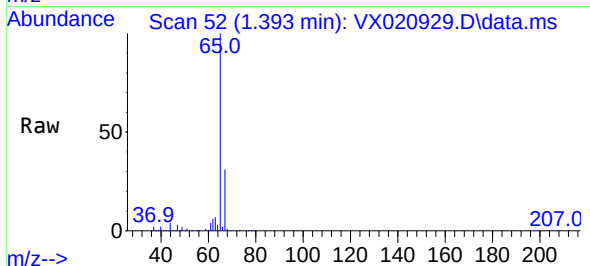
Tgt Ion: 50 Resp: 5058
Ion Ratio Lower Upper
50 100
52 35.2 23.7 43.9





#5
 Vinyl chloride
 Concen: 2.43 ug/L
 RT: 1.393 min Scan# 52
 Delta R.T. 0.000 min
 Lab File: VX020929.D
 Acq: 26 Feb 2021 15:55

Instrument :
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 ClientSampleId :
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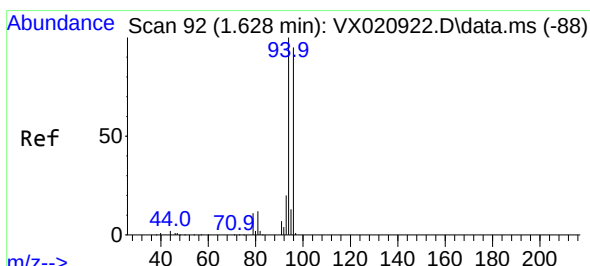
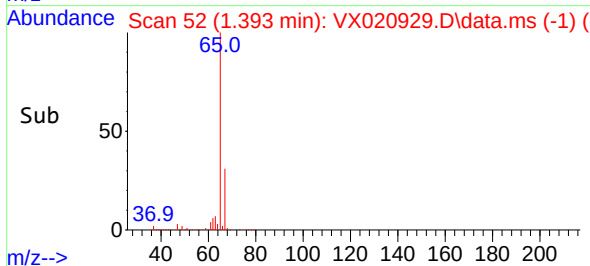
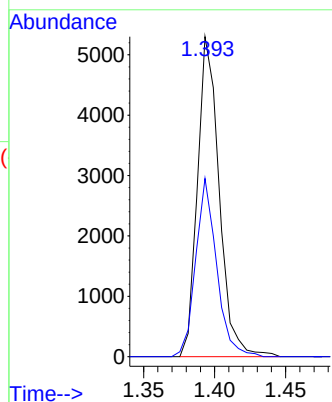


Tgt Ion: 62 Resp: 5649
 Ion Ratio Lower Upper
 62 100
 64 55.7 22.7 42.3#

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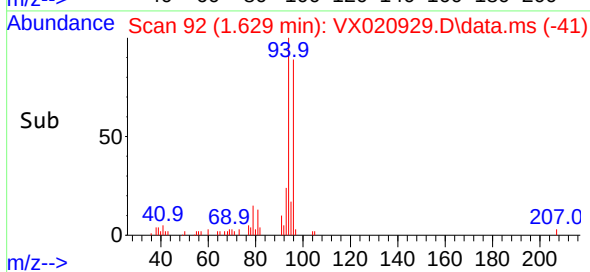
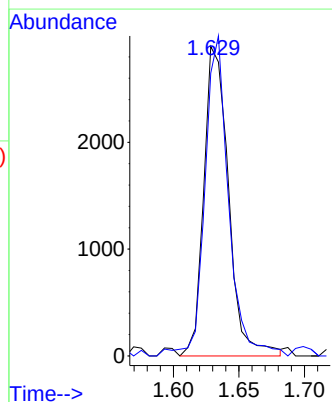
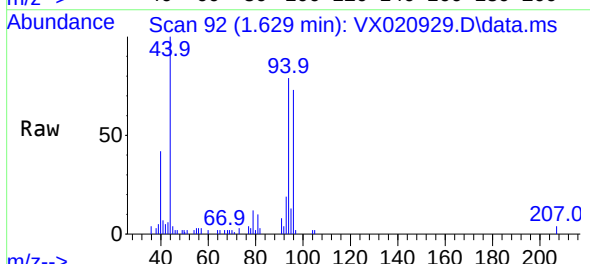
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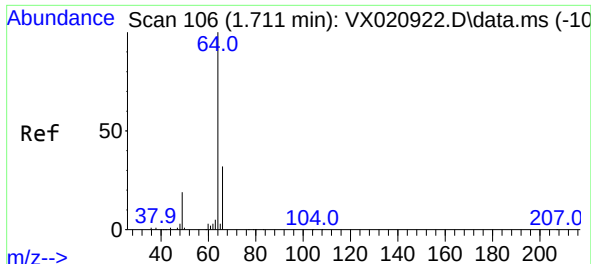
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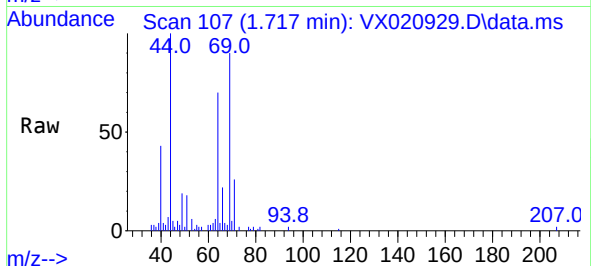
#6
 Bromomethane
 Concen: 3.46 ug/L
 RT: 1.629 min Scan# 92
 Delta R.T. 0.000 min
 Lab File: VX020929.D
 Acq: 26 Feb 2021 15:55

Tgt Ion: 94 Resp: 3814
 Ion Ratio Lower Upper
 94 100
 96 91.4 64.8 120.3

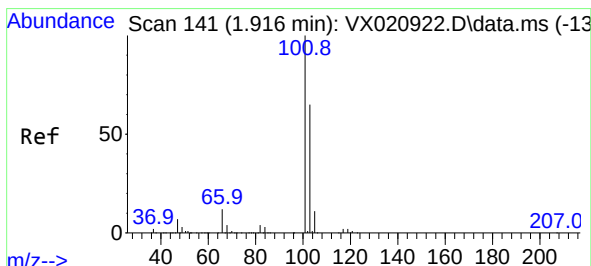
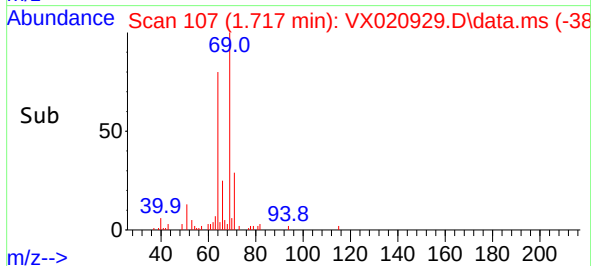
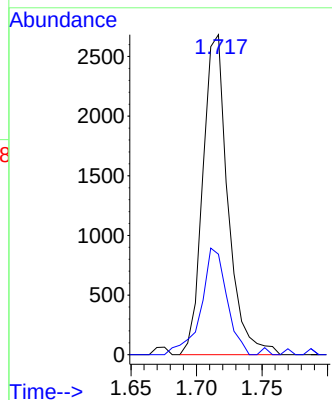




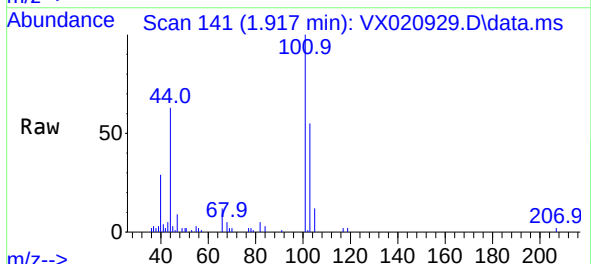
#8
Chloroethane
Concen: 2.46 ug/L
RT: 1.717 min Scan# 107
Delta R.T. 0.006 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55



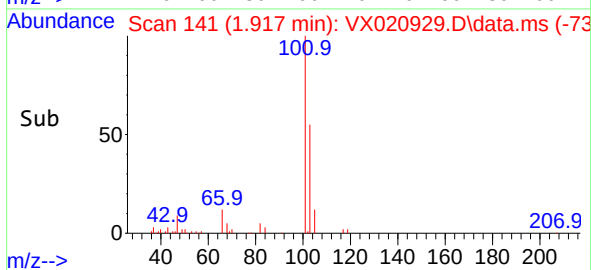
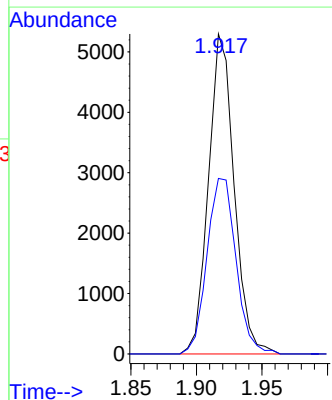
Tgt Ion: 64 Resp: 3579
Ion Ratio Lower Upper
64 100
66 31.4 22.0 41.0



#9
Trichlorofluoromethane
Concen: 2.38 ug/L
RT: 1.917 min Scan# 141
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55



Tgt Ion: 101 Resp: 7221
Ion Ratio Lower Upper
101 100
103 62.0 52.2 78.2

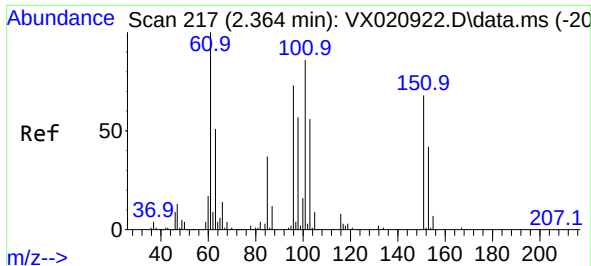


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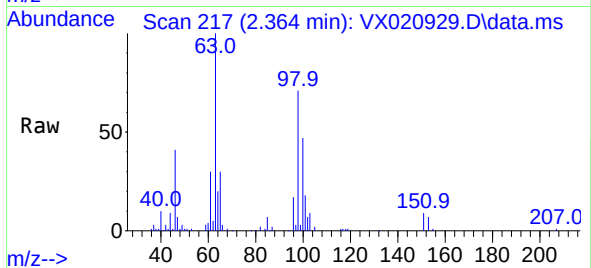
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3/4/2021 11:58:35 AM



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.08 ug/L
RT: 2.364 min Scan# 217
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

Instrument :
MSVOA_X
ClientSampleId :
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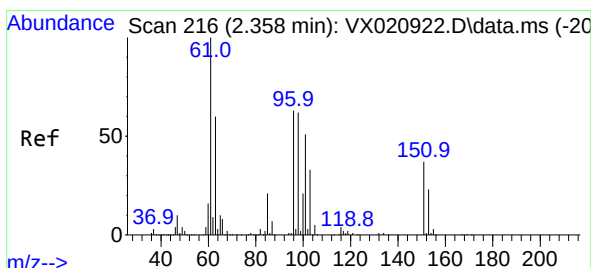
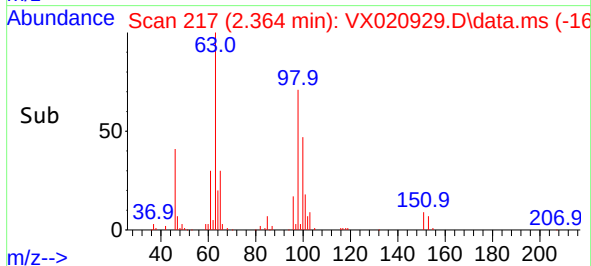
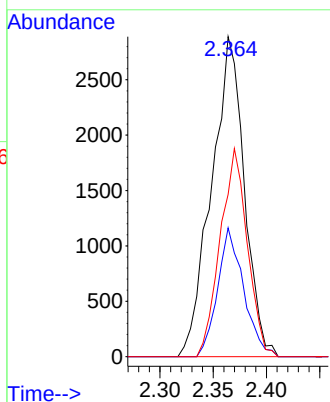


Tgt Ion:101 Resp: 6185
Ion Ratio Lower Upper
101 100
85 31.9 34.3 51.5#
151 53.9 60.7 91.1#

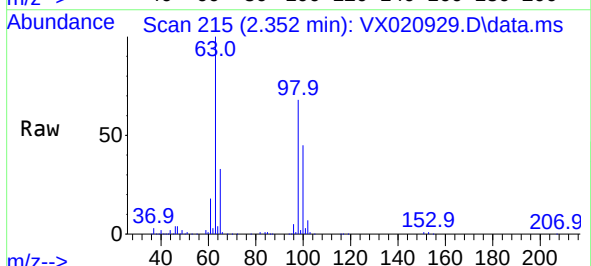
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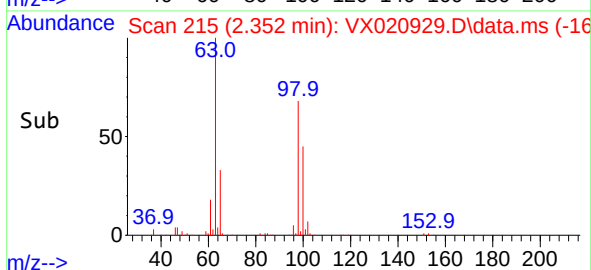
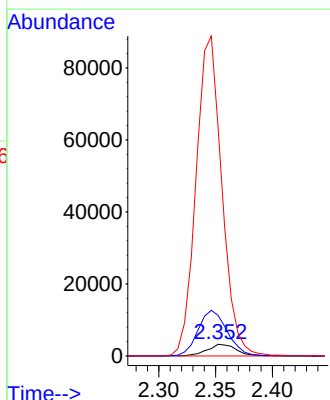
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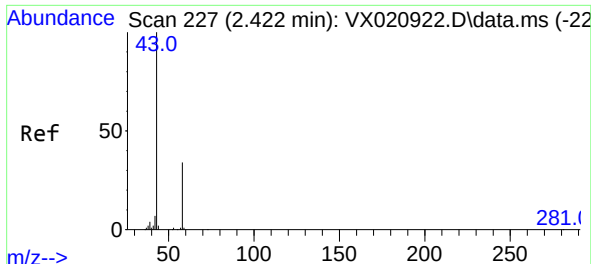


#12
1,1-Dichloroethene
Concen: 2.96 ug/L
RT: 2.352 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55



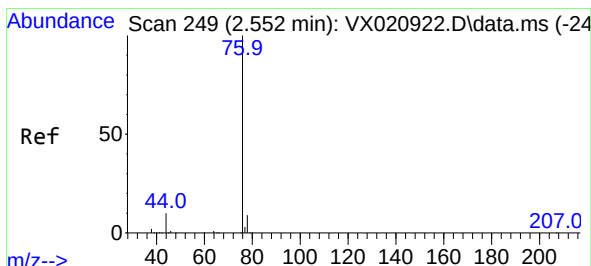
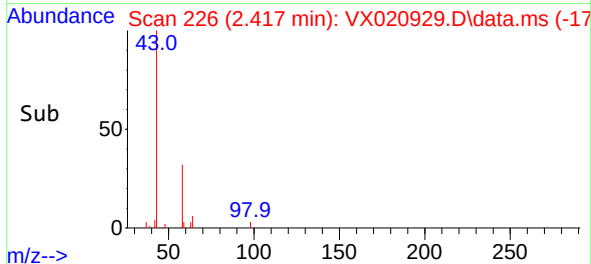
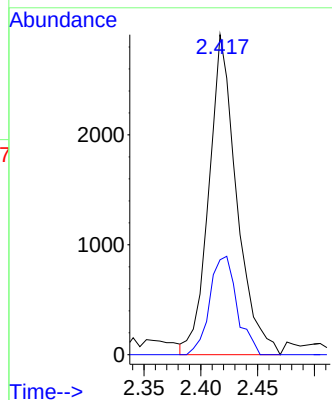
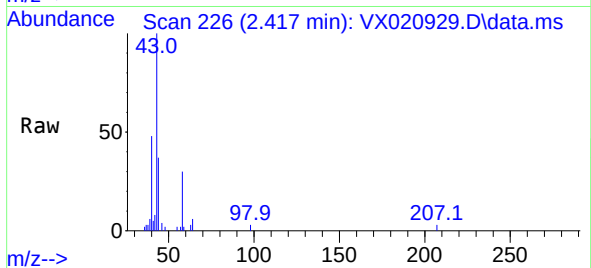
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Ion Ratio Lower Upper
96 100
61 350.5 115.5 214.5#
63 1974.3 77.3 143.7#





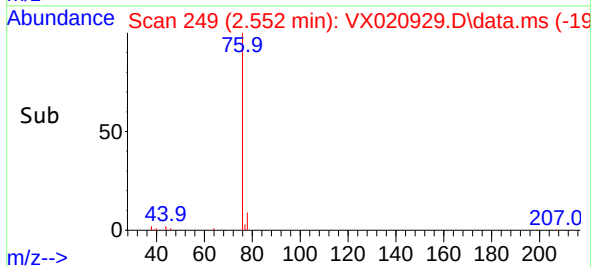
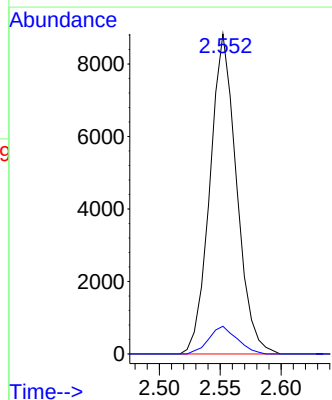
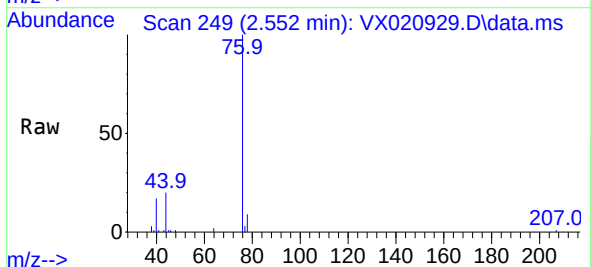
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Acetone
Concen: 4.87 ug/L
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

Tgt Ion: 43 Resp: 4954
Ion Ratio Lower Upper
43 100
58 30.2 0.0 68.2



#14
Carbon disulfide
Concen: 2.37 ug/L
RT: 2.552 min Scan# 249
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

Tgt Ion: 76 Resp: 13451
Ion Ratio Lower Upper
76 100
78 8.6 7.6 11.4

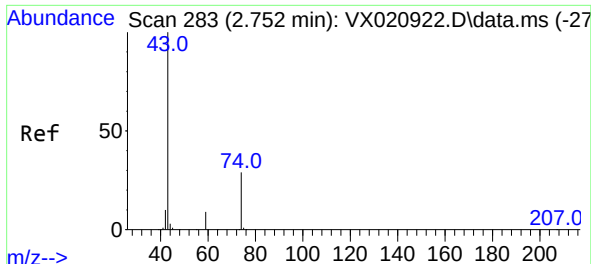


Instrument :
MSVOA_X
ClientSampleId :
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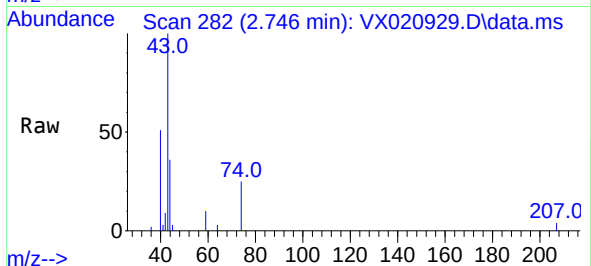
MMDadoda

3/4/2021 11:58:35 AM



#15
Methyl Acetate
Concen: 2.47 ug/L
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

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

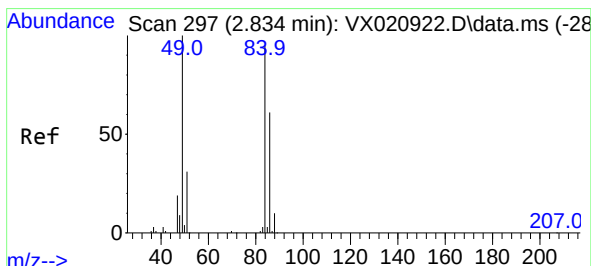
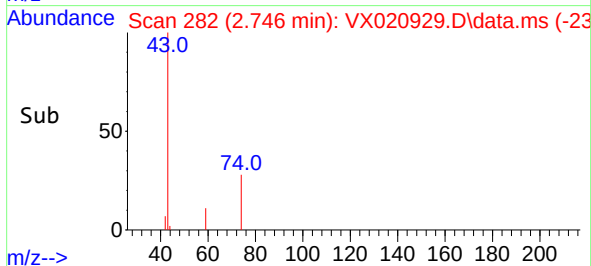
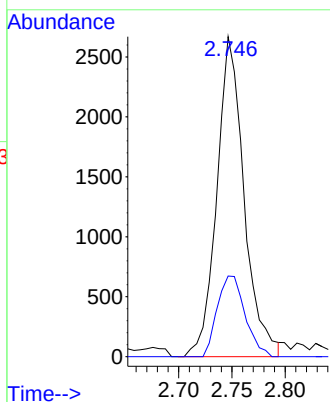


Tgt Ion: 43 Resp: 4743
Ion Ratio Lower Upper
43 100
74 25.7 21.7 32.5

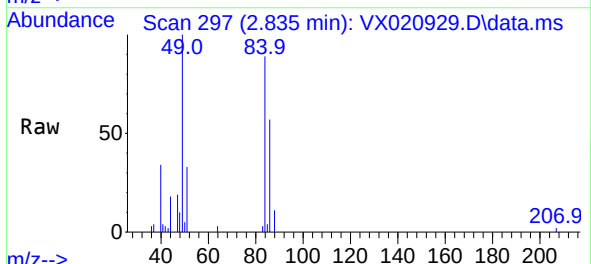
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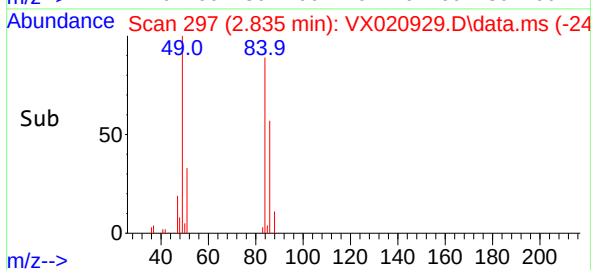
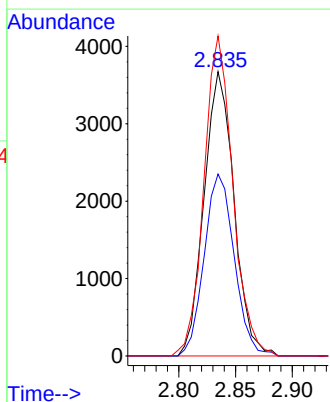
3/4/2021 11:58:35 AM

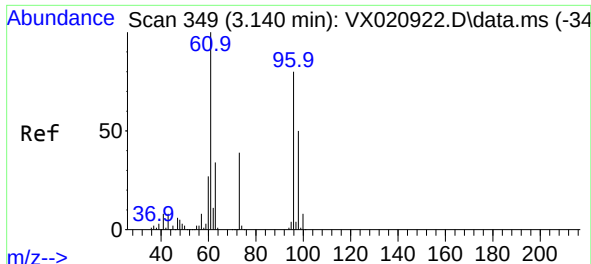


#16
Methylene chloride
Concen: 3.09 ug/L
RT: 2.835 min Scan# 297
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55



Tgt Ion: 84 Resp: 6737
Ion Ratio Lower Upper
84 100
86 64.0 44.2 82.0
49 112.6 77.8 144.6





#17
trans-1,2-Dichloroethene
Concen: 2.34 ug/L
RT: 3.140 min Scan# 349
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

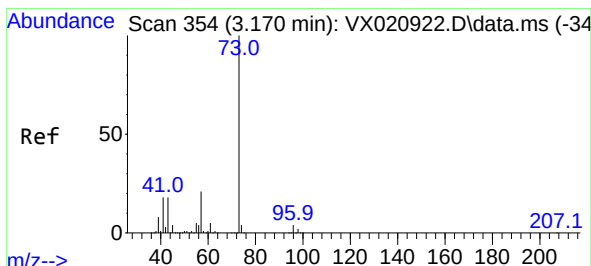
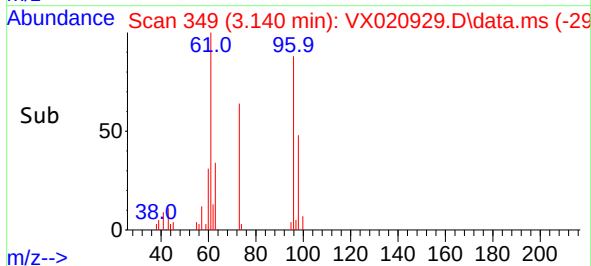
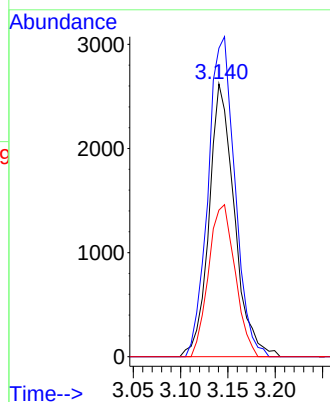
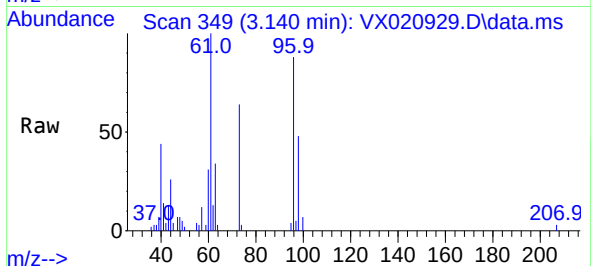
Tgt Ion:	96	Resp:	4895
Ion	Ratio	Lower	Upper
96	100		
61	113.0	92.3	171.3
98	53.7	46.3	85.9

Instrument :
MSVOA_X
ClientSampleId :
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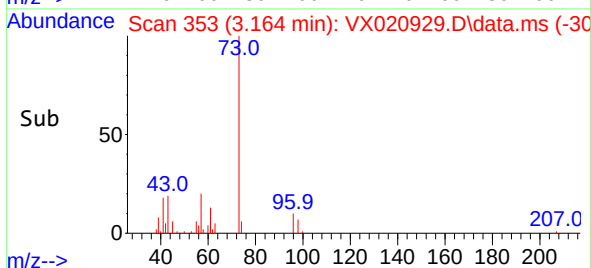
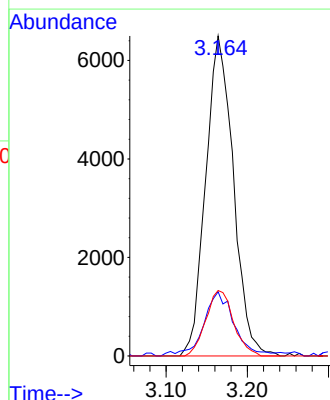
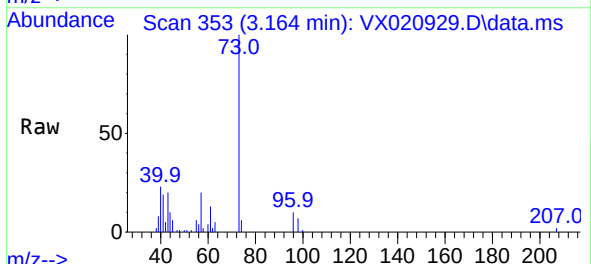
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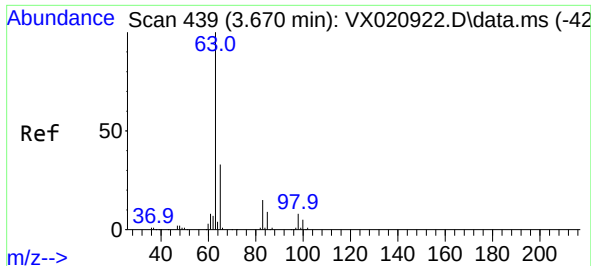
3/4/2021 11:58:35 AM



#18
Methyl tert-butyl Ether
Concen: 2.24 ug/L
RT: 3.164 min Scan# 353
Delta R.T. -0.006 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

Tgt Ion:	73	Resp:	15380
Ion	Ratio	Lower	Upper
73	100		
43	21.2	15.1	22.7
57	20.4	17.4	26.2





#19

1,1-Dichloroethane

Concen: 2.23 ug/L

RT: 3.670 min Scan# 439

Delta R.T. 0.000 min

Lab File: VX020929.D

Acq: 26 Feb 2021 15:55

Tgt Ion:	63	Resp:	8185
Ion	Ratio	Lower	Upper
63	100		
65	32.6	22.4	41.6
83	14.4	9.5	17.7

Instrument :

MSVOA_X

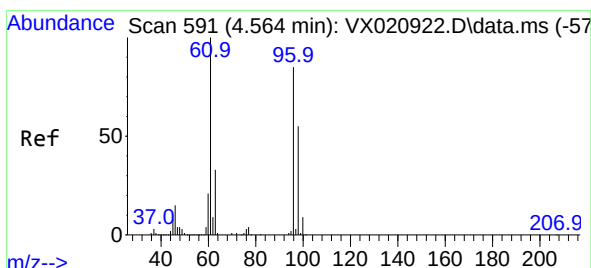
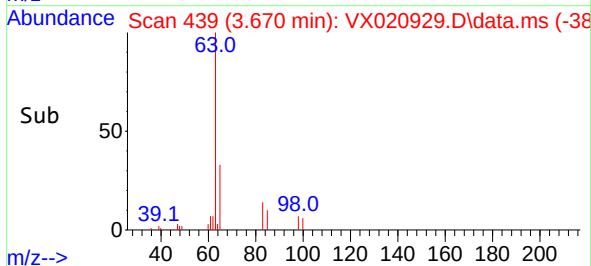
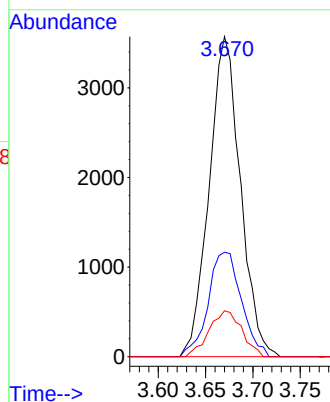
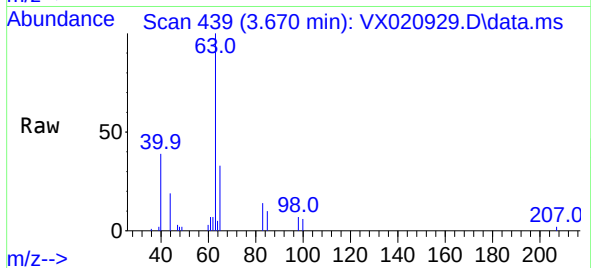
ClientSampleId :

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3/4/2021 11:58:35 AM



#20

cis-1,2-Dichloroethene

Concen: 2.29 ug/L

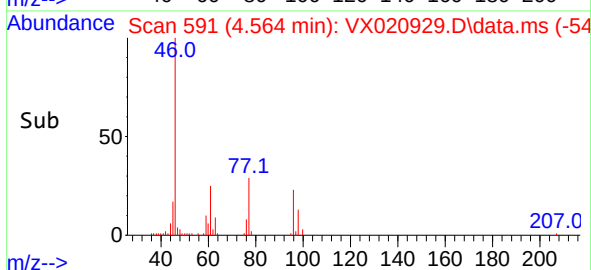
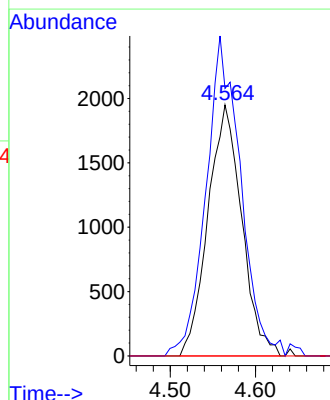
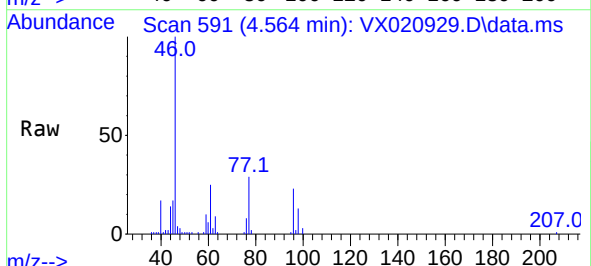
RT: 4.564 min Scan# 591

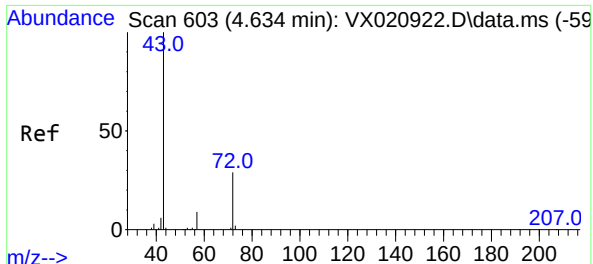
Delta R.T. 0.000 min

Lab File: VX020929.D

Acq: 26 Feb 2021 15:55

Tgt Ion:	96	Resp:	5366
Ion	Ratio	Lower	Upper
96	100		
61	106.6	87.8	163.0
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.28 ug/L

RT: 4.641 min Scan# 604

Delta R.T. 0.006 min

Lab File: VX020929.D

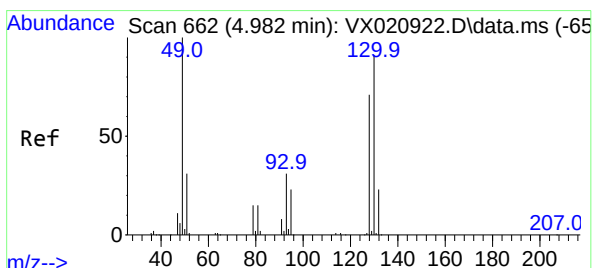
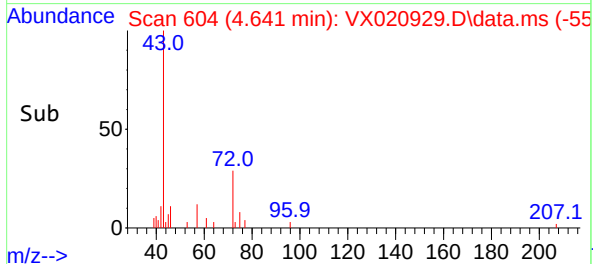
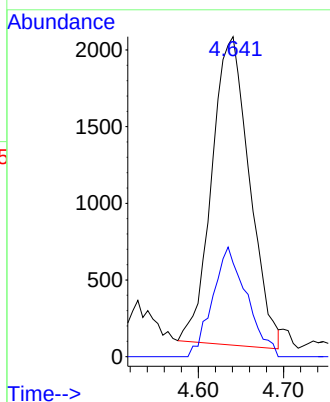
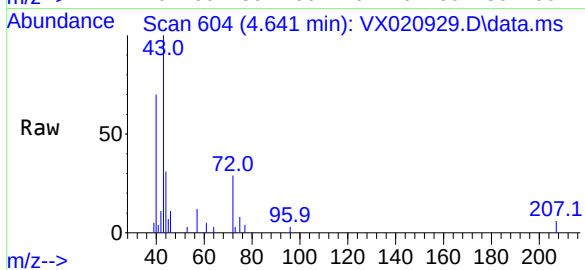
Acq: 26 Feb 2021 15:55

Tgt Ion: 43 Resp: 6175

Ion Ratio Lower Upper

43 100

72 32.2 15.3 45.8



#23

Bromochloromethane

Concen: 2.31 ug/L

RT: 4.982 min Scan# 662

Delta R.T. 0.000 min

Lab File: VX020929.D

Acq: 26 Feb 2021 15:55

Tgt Ion: 128 Resp: 2685

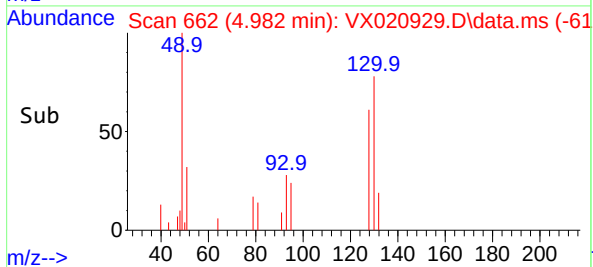
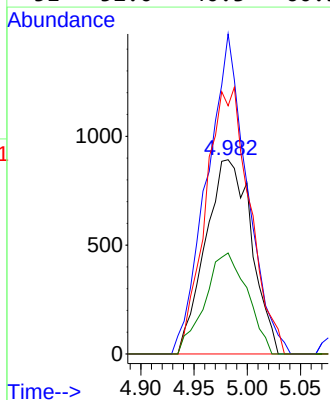
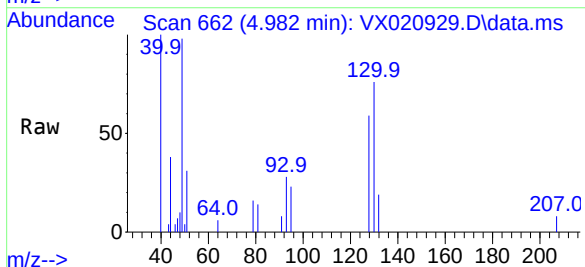
Ion Ratio Lower Upper

128 100

49 164.8 107.5 199.7

130 127.8 91.1 169.3

51 52.0 40.3 60.5



Instrument :

MSVOA_X

ClientSampleId :

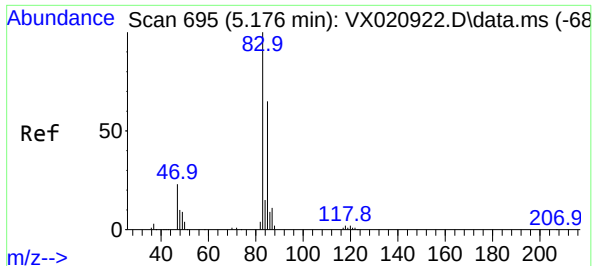
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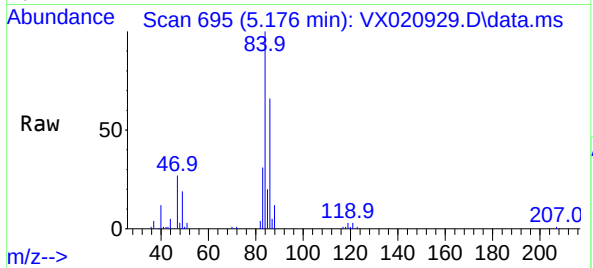
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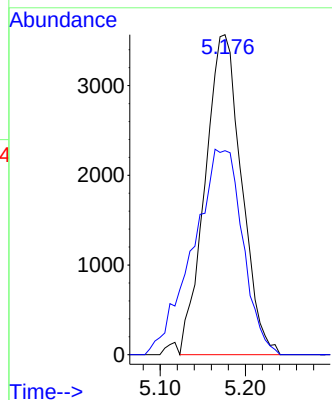
3/4/2021 11:58:35 AM



#25
Chloroform
Concen: 2.71 ug/L
RT: 5.176 min Scan# 695
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55



Tgt Ion: 83 Resp: 10610
Ion Ratio Lower Upper
83 100
85 63.7 46.3 85.9

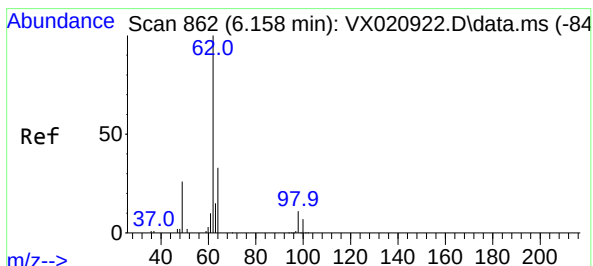


Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

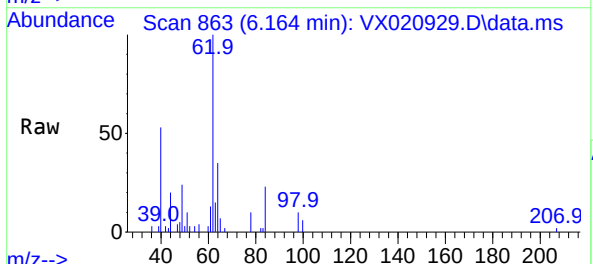
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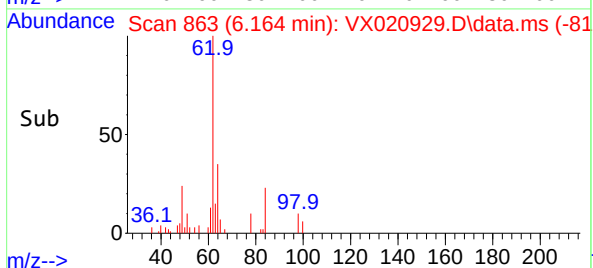
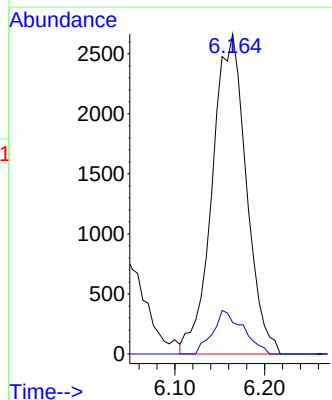
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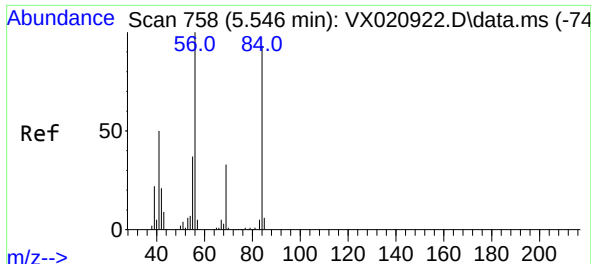


#27
1,2-Dichloroethane
Concen: 2.43 ug/L
RT: 6.164 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55



Tgt Ion: 62 Resp: 6998
Ion Ratio Lower Upper
62 100
98 9.8 7.9 11.9





#29

Cyclohexane

Concen: 2.17 ug/L

RT: 5.547 min Scan# 758

Delta R.T. 0.000 min

Lab File: VX020929.D

Acq: 26 Feb 2021 15:55

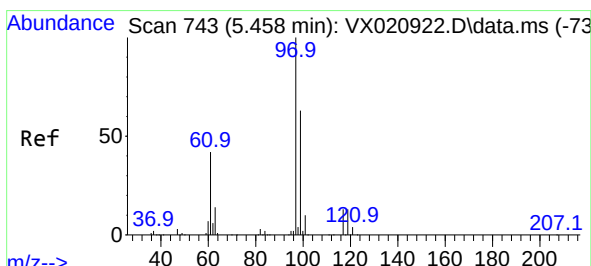
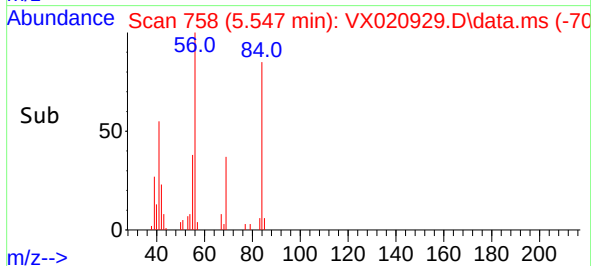
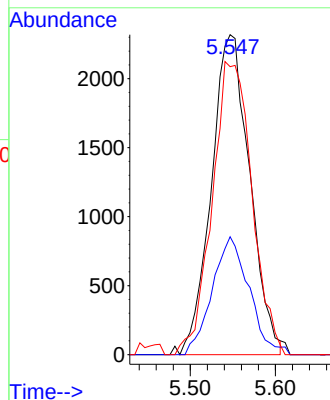
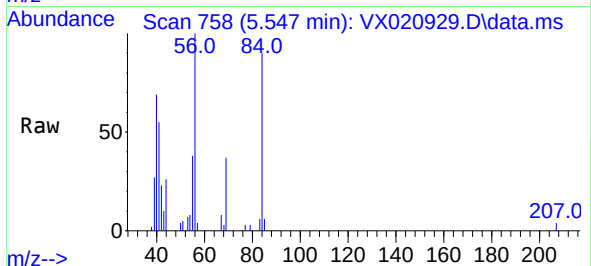
Tgt Ion:	56	Resp:	7258
Ion	Ratio	Lower	Upper
56	100		
69	35.1	25.7	38.5
84	94.6	72.4	108.6

Instrument :
MSVOA_X
ClientSampleId :
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3/4/2021 11:58:35 AM



#30

1,1,1-Trichloroethane

Concen: 2.28 ug/L m

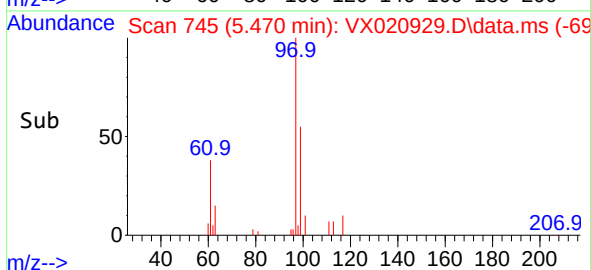
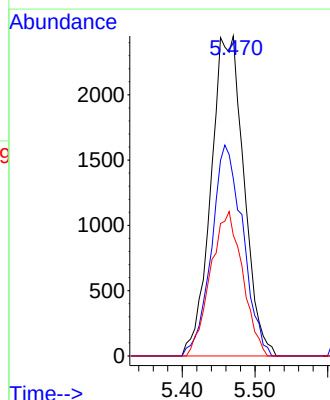
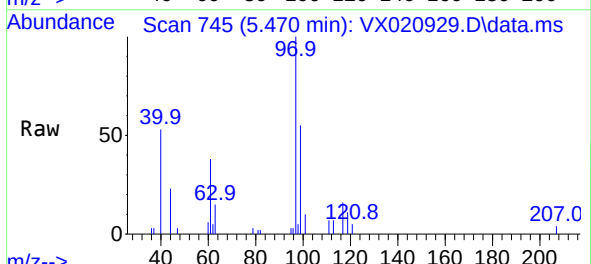
RT: 5.470 min Scan# 745

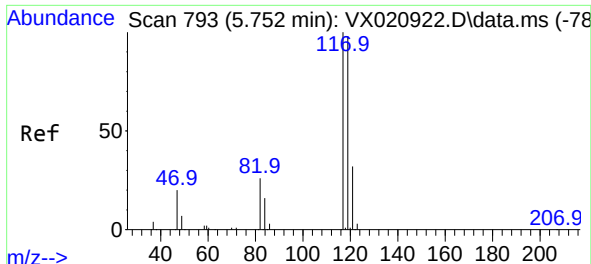
Delta R.T. 0.012 min

Lab File: VX020929.D

Acq: 26 Feb 2021 15:55

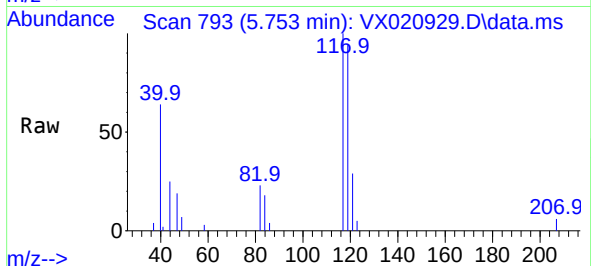
Tgt Ion:	97	Resp:	7688
Ion	Ratio	Lower	Upper
97	100		
99	62.9	52.1	78.1
61	44.1	35.3	52.9





#31
Carbon tetrachloride
Concen: 2.19 ug/L
RT: 5.753 min Scan# 793
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

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

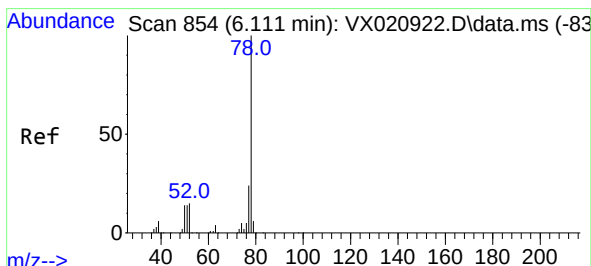
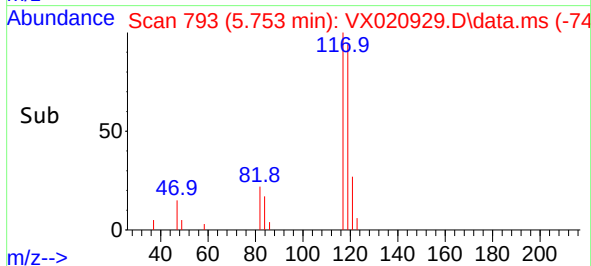
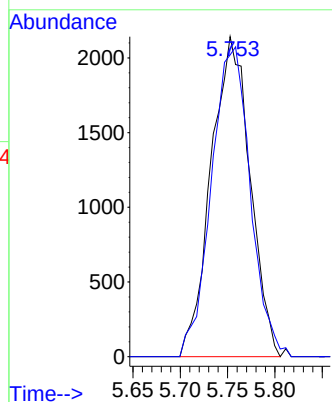


Tgt Ion:117 Resp: 6141
Ion Ratio Lower Upper
117 100
119 96.6 77.5 116.3

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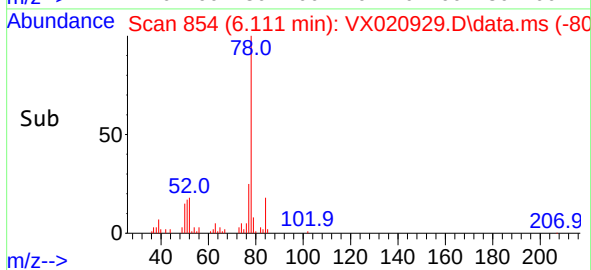
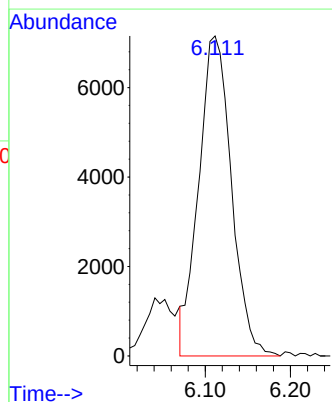
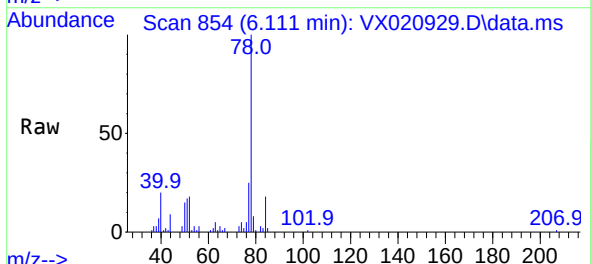
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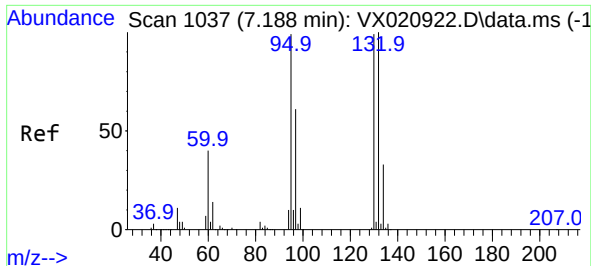
3/4/2021 11:58:35 AM



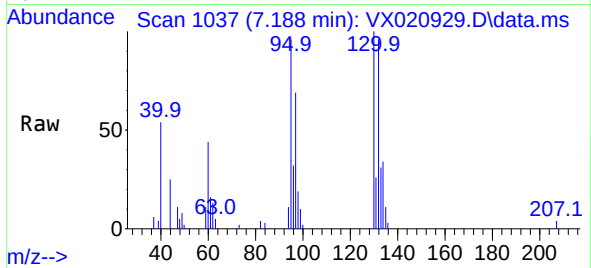
#33
Benzene
Concen: 2.21 ug/L
RT: 6.111 min Scan# 854
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

Tgt Ion: 78 Resp: 19045

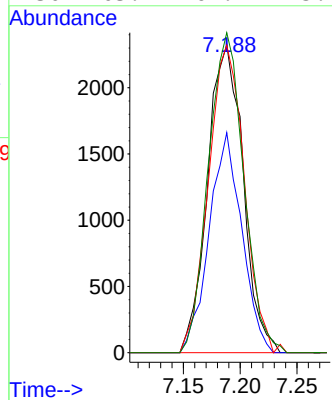




#34
Trichloroethene
Concen: 2.20 ug/L
RT: 7.188 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55



Tgt Ion: 95 Resp: 5049
Ion Ratio Lower Upper
95 100
97 71.4 44.5 82.7
132 99.8 65.2 121.0
130 103.9 67.7 125.7

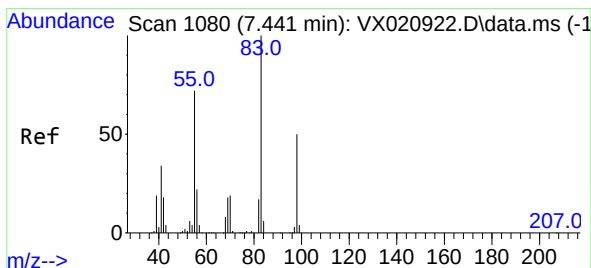


Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

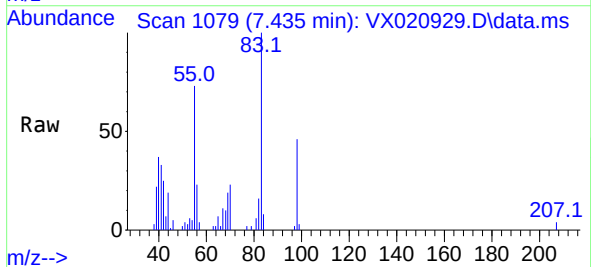
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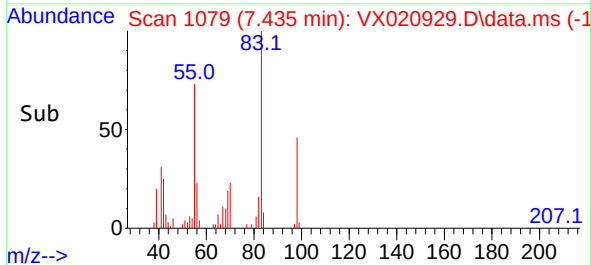
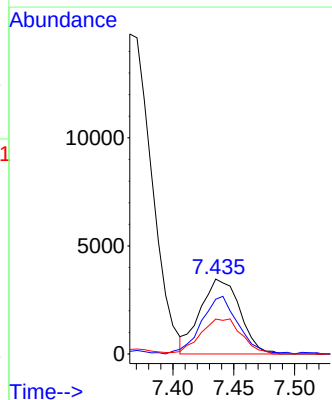
3/4/2021 11:58:35 AM

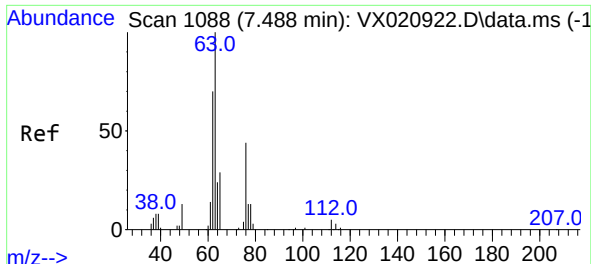


#35
Methylcyclohexane
Concen: 2.24 ug/L
RT: 7.435 min Scan# 1079
Delta R.T. -0.006 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55



Tgt Ion: 83 Resp: 7866
Ion Ratio Lower Upper
83 100
55 70.4 61.2 91.8
98 48.1 38.7 58.1





#37
1,2-Dichloropropane
Concen: 2.31 ug/L
RT: 7.488 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

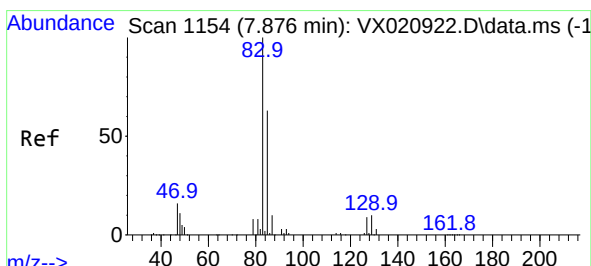
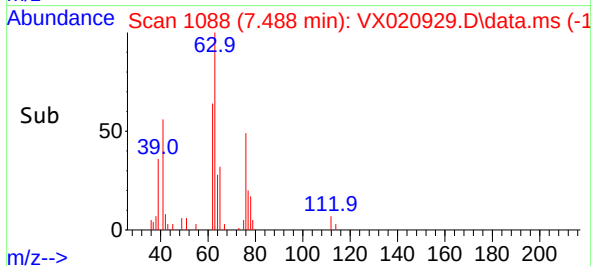
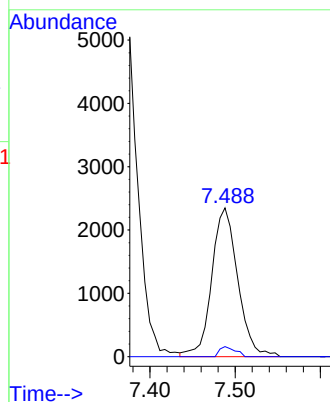
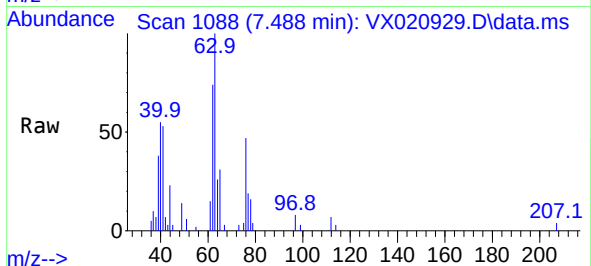
Tgt Ion: 63 Resp: 4990
Ion Ratio Lower Upper
63 100
112 4.1 3.6 5.4

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

Manual Integrations
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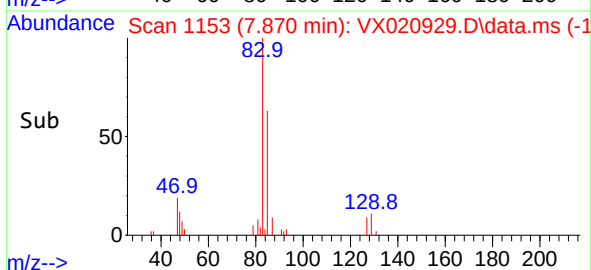
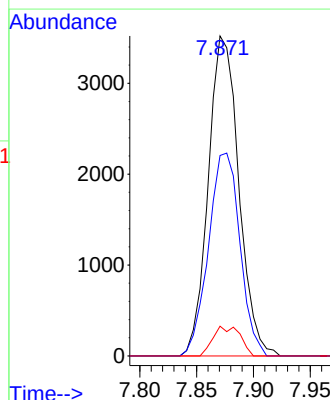
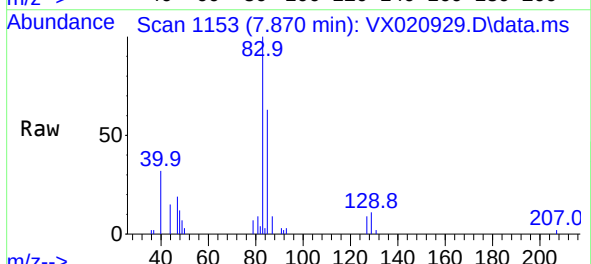
MMDadoda

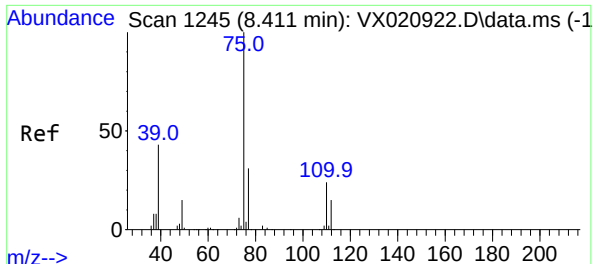
3/4/2021 11:58:35 AM



#38
Bromodichloromethane
Concen: 2.20 ug/L
RT: 7.870 min Scan# 1153
Delta R.T. -0.006 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

Tgt Ion: 83 Resp: 6584
Ion Ratio Lower Upper
83 100
85 62.6 45.1 83.7
127 9.3 6.6 10.0





#39

cis-1,3-Dichloropropene
Concen: 2.22 ug/L
RT: 8.412 min Scan# 1245
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

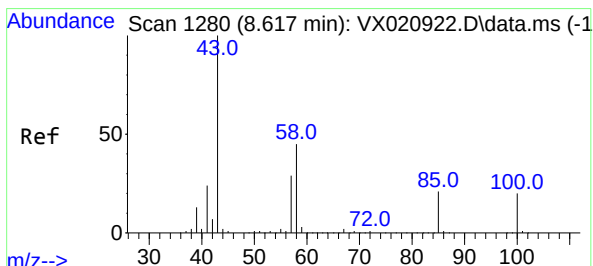
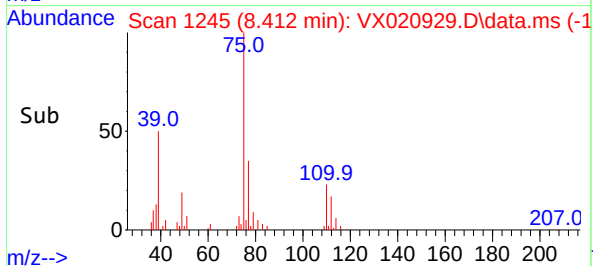
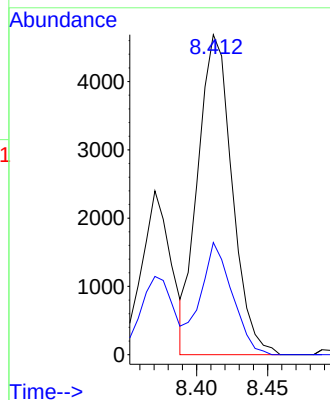
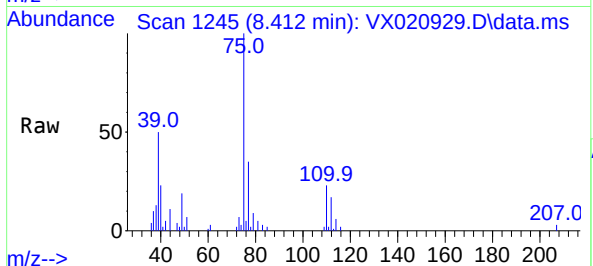
Tgt Ion: 75 Resp: 7846
Ion Ratio Lower Upper
75 100
77 35.1 22.7 42.3

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

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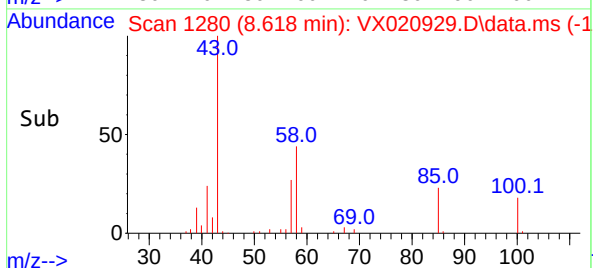
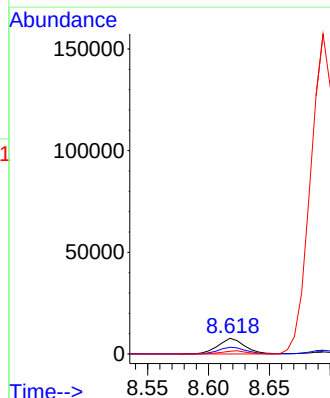
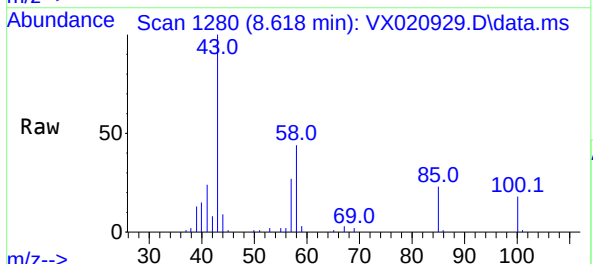
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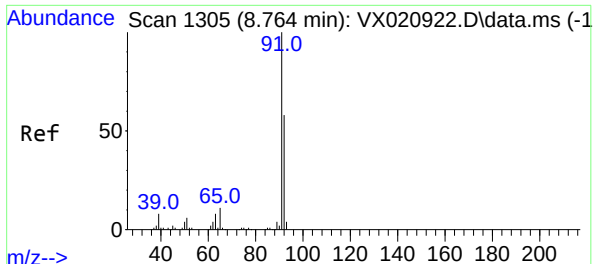


#40

4-Methyl-2-pentanone
Concen: 4.44 ug/L
RT: 8.618 min Scan# 1280
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

Tgt Ion: 43 Resp: 11721
Ion Ratio Lower Upper
43 100
58 44.5 35.0 52.4
100 19.1 14.2 21.4





#42
Toluene
Concen: 2.31 ug/L
RT: 8.765 min Scan# 1305
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

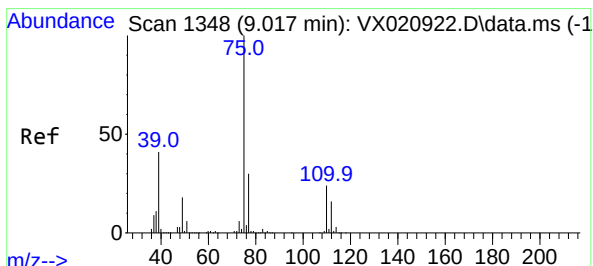
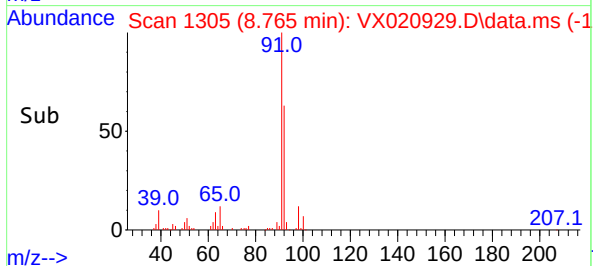
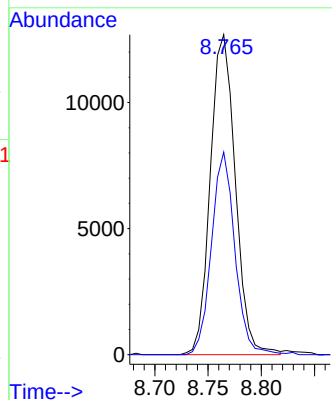
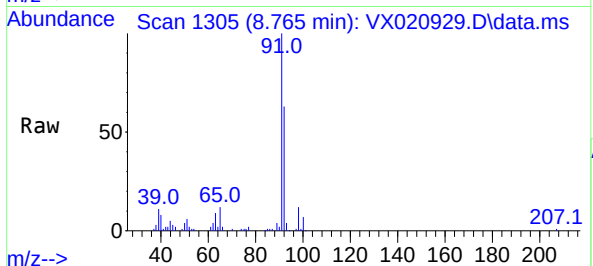
Tgt Ion: 91 Resp: 20729
Ion Ratio Lower Upper
91 100
92 63.3 40.5 75.1

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

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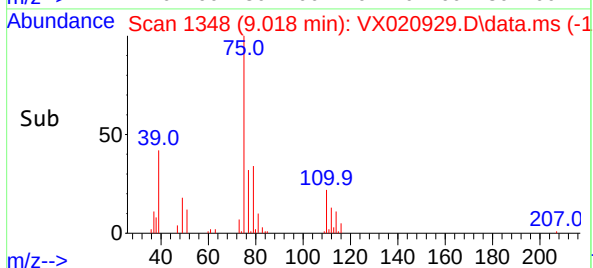
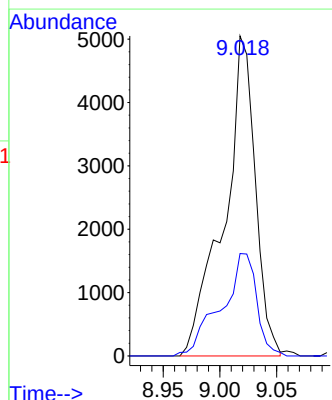
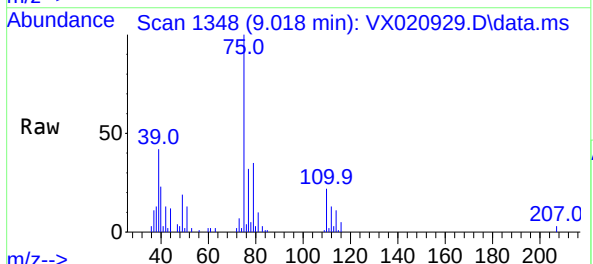
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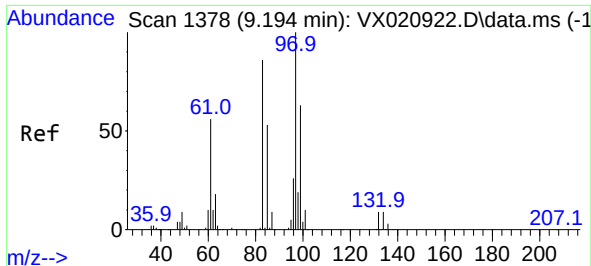
3/4/2021 11:58:35 AM



#44
trans-1,3-Dichloropropene
Concen: 2.86 ug/L
RT: 9.018 min Scan# 1348
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

Tgt Ion: 75 Resp: 9670
Ion Ratio Lower Upper
75 100
77 32.0 22.4 41.6





#45

1,1,2-Trichloroethane
Concen: 2.30 ug/L
RT: 9.194 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

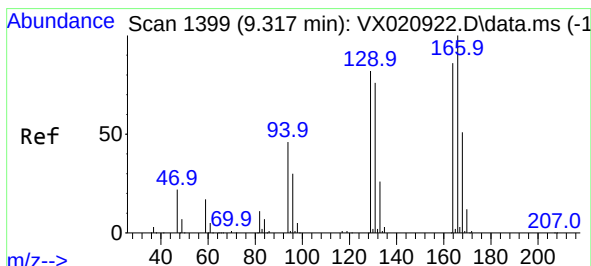
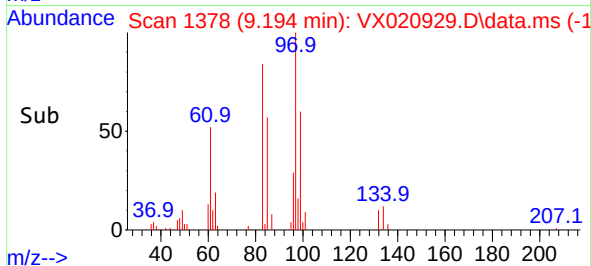
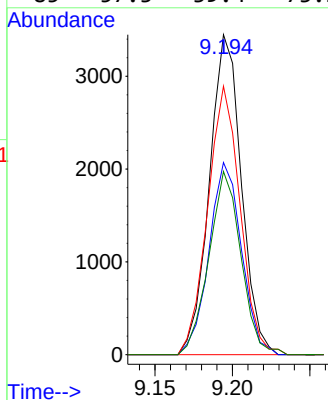
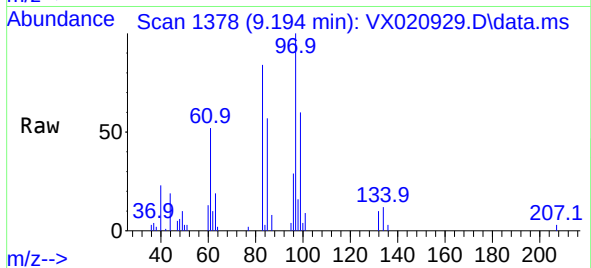
Tgt Ion:	97	Resp:	4943
Ion	Ratio	Lower	Upper
97	100		
99	60.0	44.0	81.6
83	83.9	60.8	113.0
85	57.3	39.4	73.2

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

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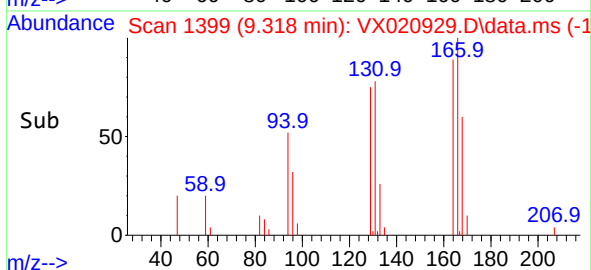
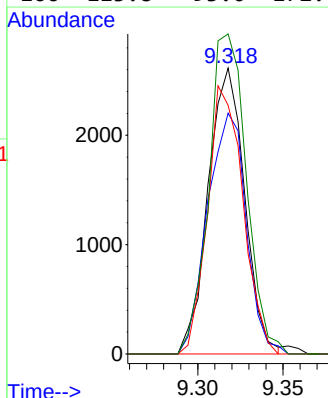
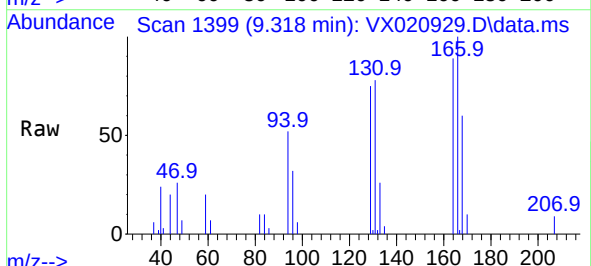
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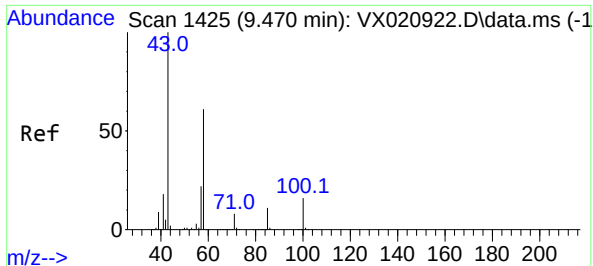


#46

Tetrachloroethene
Concen: 2.37 ug/L
RT: 9.318 min Scan# 1399
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

Tgt Ion:	164	Resp:	3890
Ion	Ratio	Lower	Upper
164	100		
129	84.2	65.6	121.8
131	87.0	63.7	118.3
166	113.8	93.0	172.6





#48
2-Hexanone
Concen: 5.08 ug/L
RT: 9.471 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

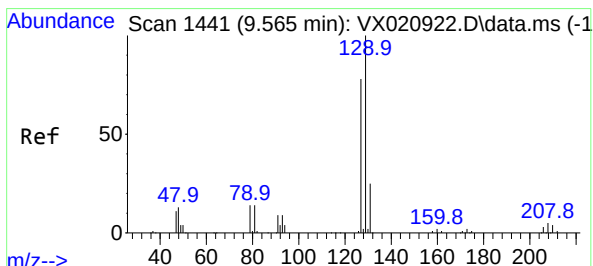
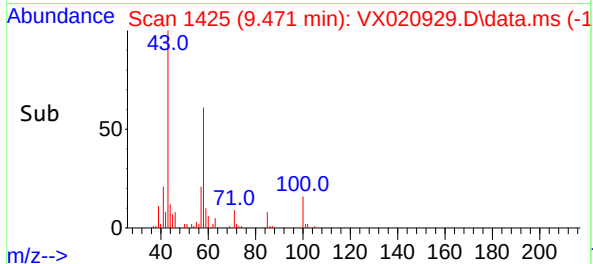
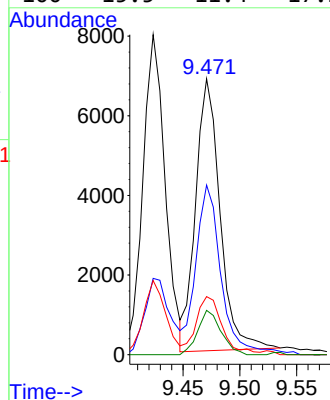
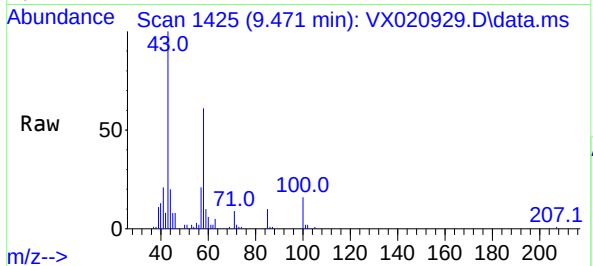
Tgt Ion: 43	Resp: 10230
Ion Ratio	Lower Upper
43 100	
58 62.4	50.1 75.1
57 22.1	17.3 25.9
100 15.5	11.4 17.2

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

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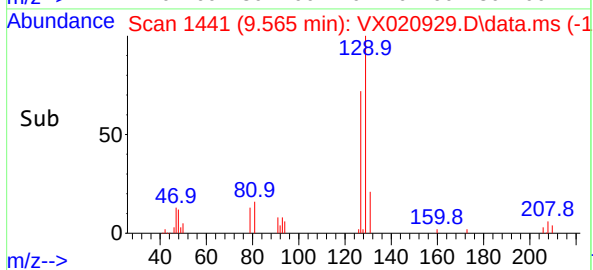
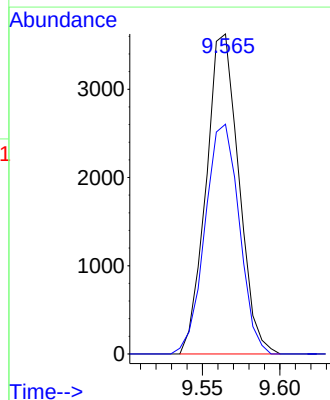
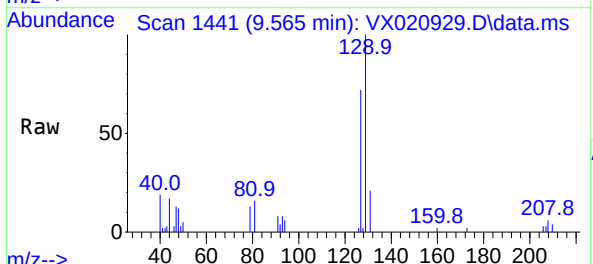
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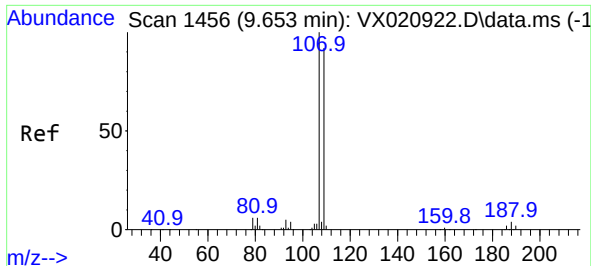
3/4/2021 11:58:35 AM



#49
Dibromochloromethane
Concen: 2.35 ug/L
RT: 9.565 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

Tgt Ion:129	Resp: 5321		
Ion Ratio	Lower	Upper	
129 100			
127 71.8	52.5	97.5	





#50
1,2-Dibromoethane
Concen: 2.29 ug/L
RT: 9.653 min Scan# 1456
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

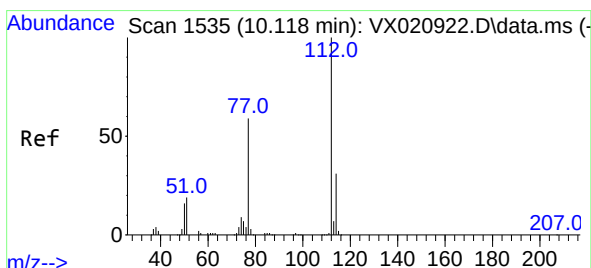
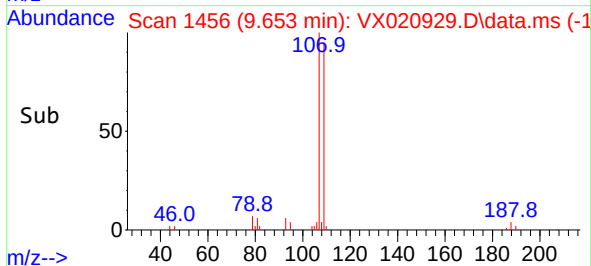
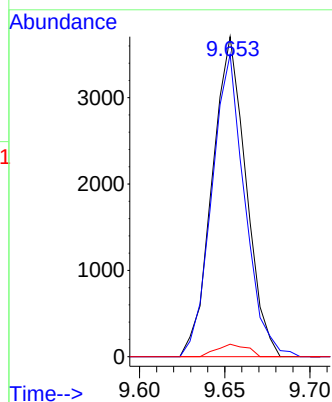
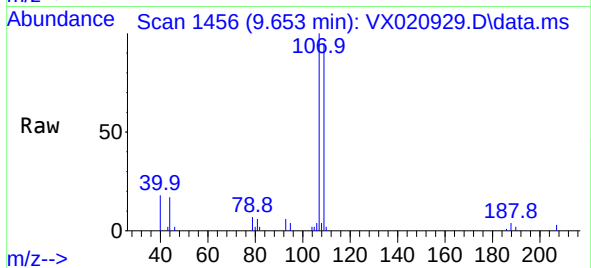
Tgt Ion:	107	Resp:	5104
Ion	Ratio	Lower	Upper
107	100		
109	94.5	66.4	123.4
188	3.9	3.2	4.8

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

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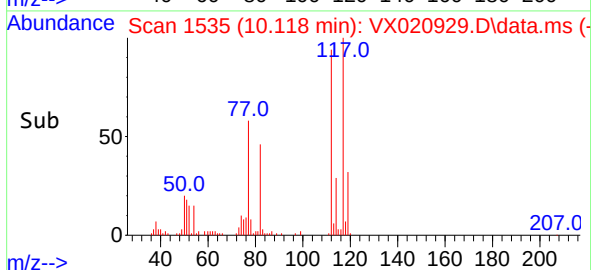
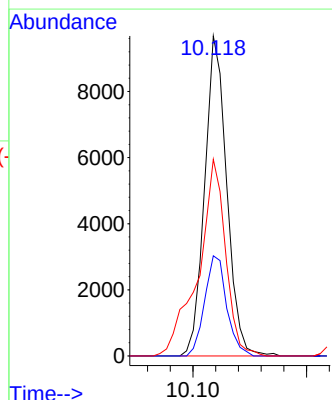
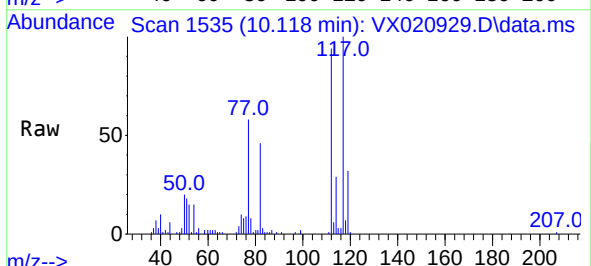
MMDadoda

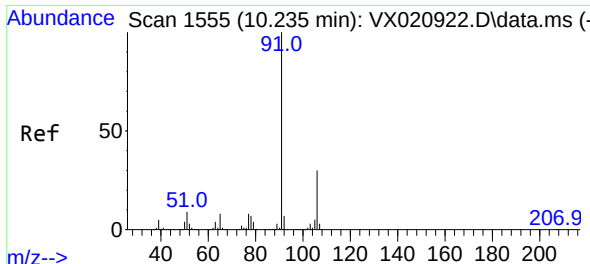
3/4/2021 11:58:35 AM



#51
Chlorobenzene
Concen: 2.30 ug/L
RT: 10.118 min Scan# 1535
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

Tgt Ion:	112	Resp:	13069
Ion	Ratio	Lower	Upper
112	100		
114	31.3	23.2	43.2
77	61.4	48.4	72.6





#52
Ethylbenzene
Concen: 2.30 ug/L
RT: 10.236 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

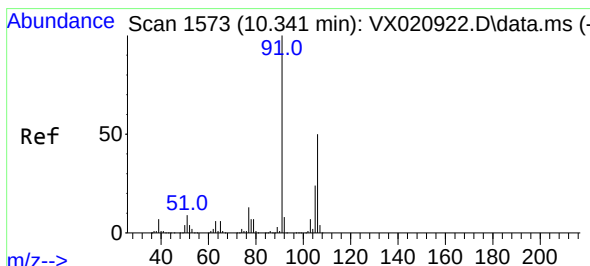
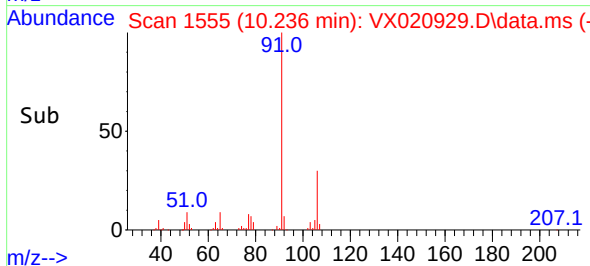
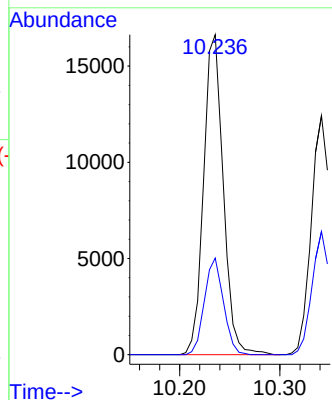
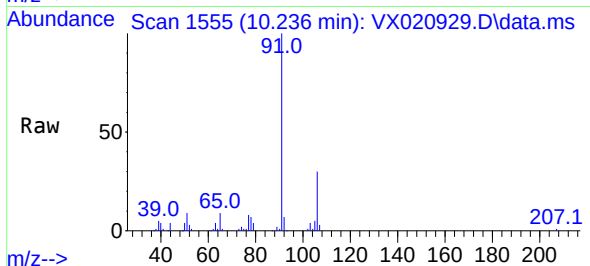
Tgt Ion: 91 Resp: 22694
Ion Ratio Lower Upper
91 100
106 30.2 21.0 39.0

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

Manual Integrations
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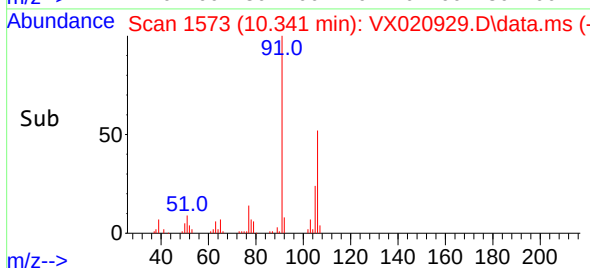
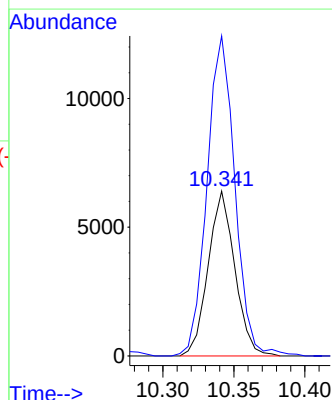
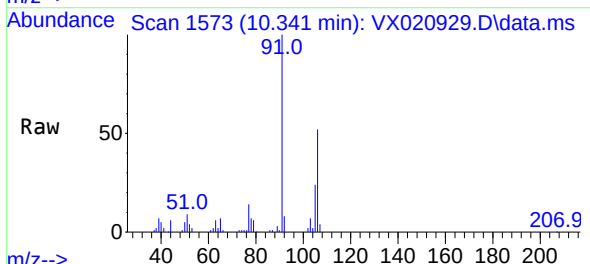
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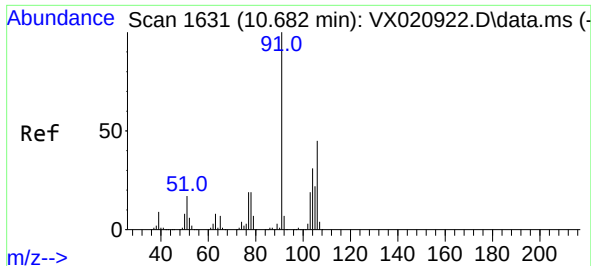
3/4/2021 11:58:35 AM



#53
m,p-Xylene
Concen: 2.25 ug/L
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

Tgt Ion: 106 Resp: 8365
Ion Ratio Lower Upper
106 100
91 194.1 142.5 264.6





#54
o-Xylene
Concen: 2.22 ug/L
RT: 10.677 min Scan# 1630
Delta R.T. -0.006 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

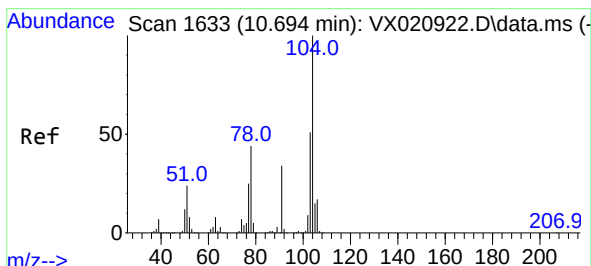
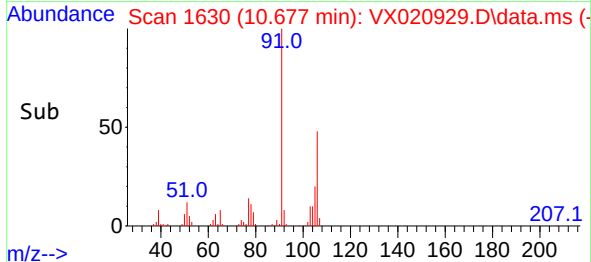
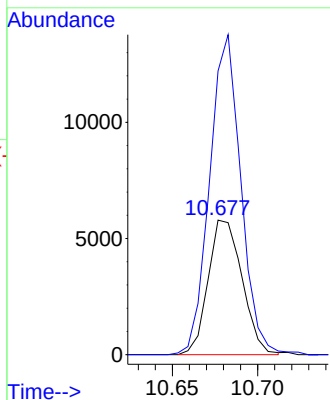
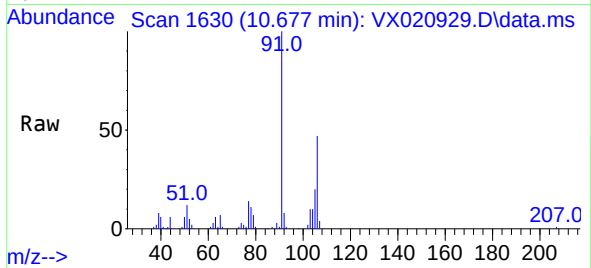
Tgt Ion:106 Resp: 8042
Ion Ratio Lower Upper
106 100
91 210.9 156.2 290.0

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

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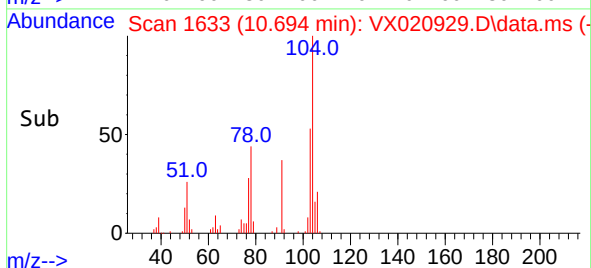
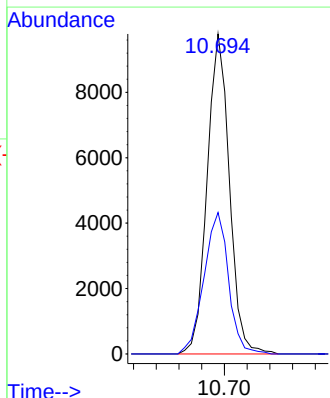
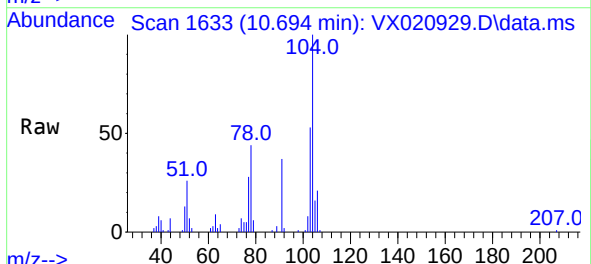
MMDadoda

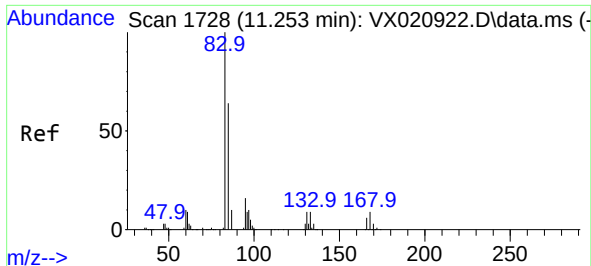
3/4/2021 11:58:35 AM



#55
Styrene
Concen: 2.11 ug/L
RT: 10.694 min Scan# 1633
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

Tgt Ion:104 Resp: 13317
Ion Ratio Lower Upper
104 100
78 44.2 30.0 55.6





#57
1,1,2,2-Tetrachloroethane
Concen: 2.45 ug/L
RT: 11.247 min Scan# 1727
Delta R.T. -0.006 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

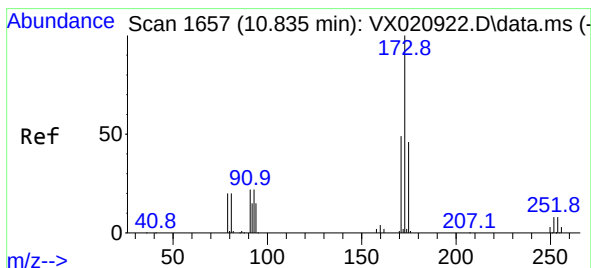
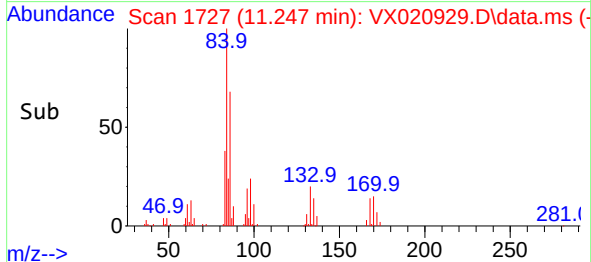
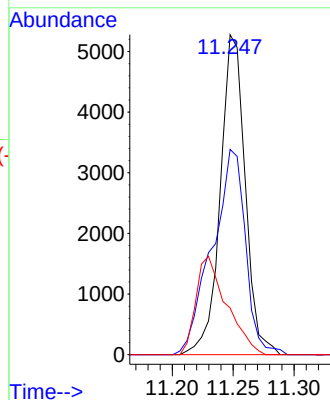
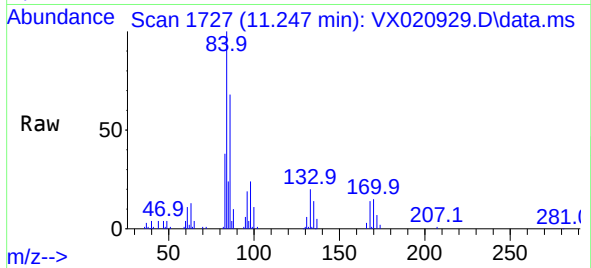
Tgt Ion: 83 Resp: 7520
Ion Ratio Lower Upper
83 100
85 64.2 44.7 82.9
131 14.6 7.8 11.8#

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

Manual Integrations
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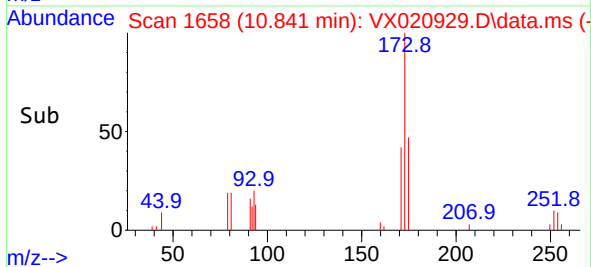
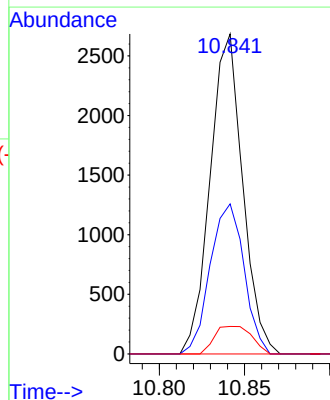
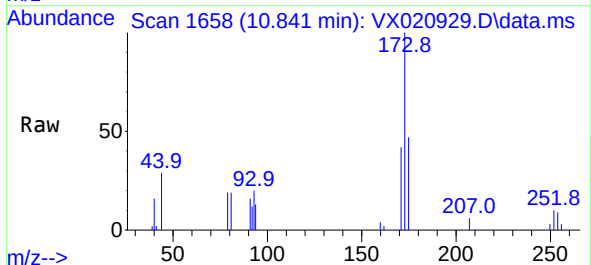
MMDadoda

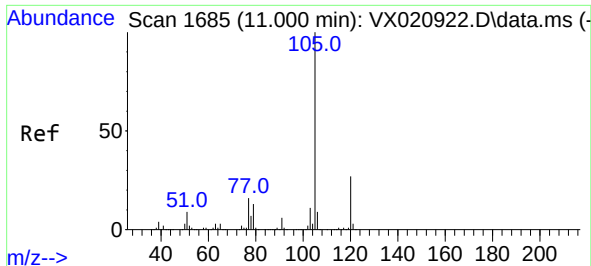
3/4/2021 11:58:35 AM



#59
Bromoform
Concen: 2.40 ug/L
RT: 10.841 min Scan# 1658
Delta R.T. 0.006 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

Tgt Ion: 173 Resp: 3563
Ion Ratio Lower Upper
173 100
175 48.8 39.4 59.2
254 9.9 8.6 13.0





#60
Isopropylbenzene
Concen: 2.37 ug/L
RT: 11.000 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

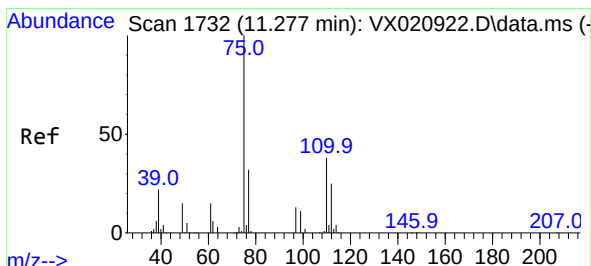
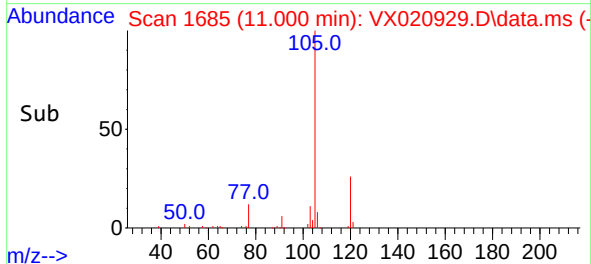
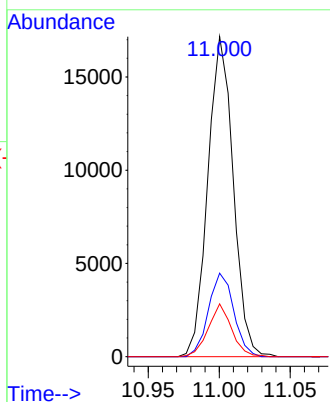
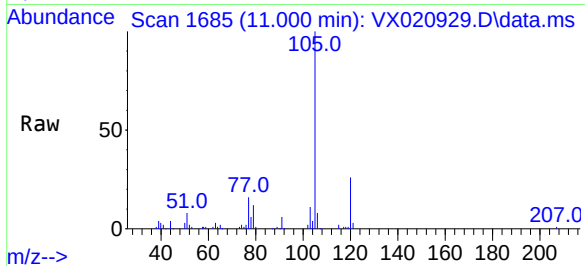
Tgt Ion:	105	Resp:	21342
Ion Ratio	Lower	Upper	
105	100		
120	26.0	21.2	31.8
77	15.2	12.6	18.8

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

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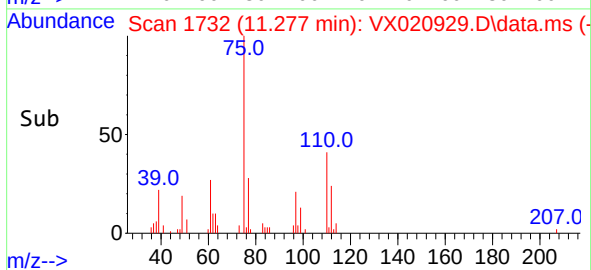
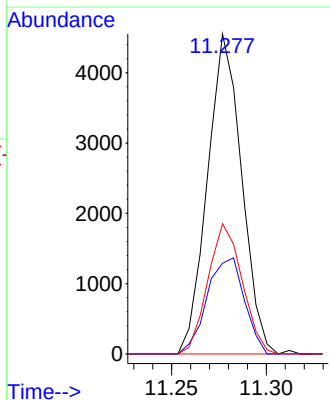
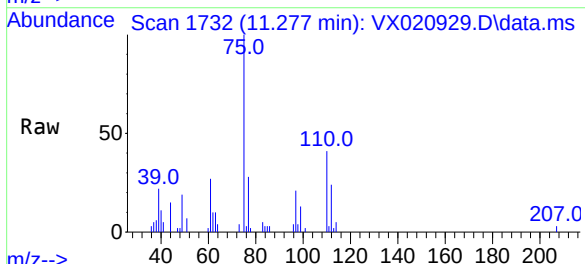
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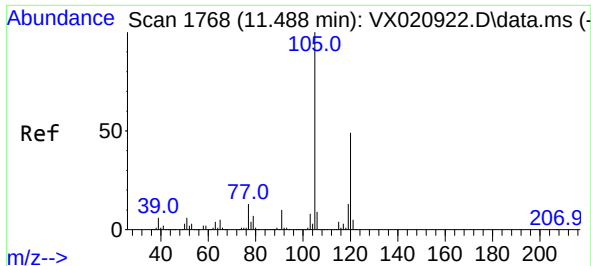
3/4/2021 11:58:35 AM



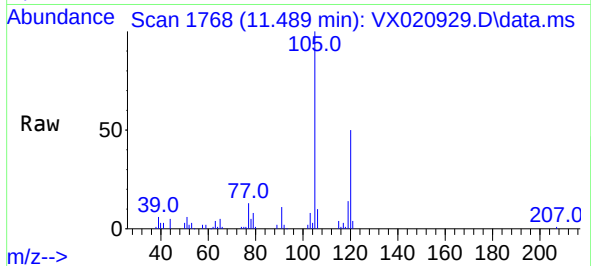
#61
1,2,3-Trichloropropane
Concen: 2.42 ug/L
RT: 11.277 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

Tgt Ion:	75	Resp:	5706
Ion Ratio	Lower	Upper	
75	100		
77	32.8	26.2	39.2
110	40.9	31.8	47.8

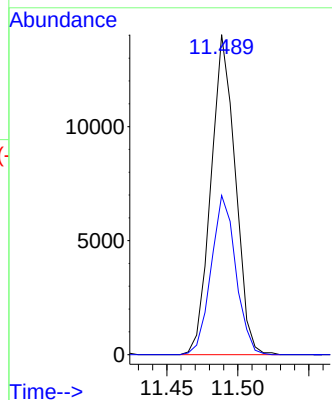




#62
1,3,5-Trimethylbenzene
Concen: 2.26 ug/L
RT: 11.489 min Scan# 1768
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55



Tgt Ion:105 Resp: 16697
Ion Ratio Lower Upper
105 100
120 50.4 38.0 57.0

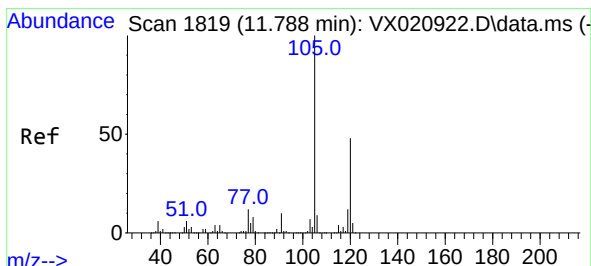
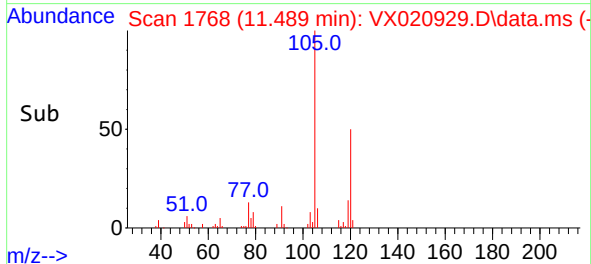


Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

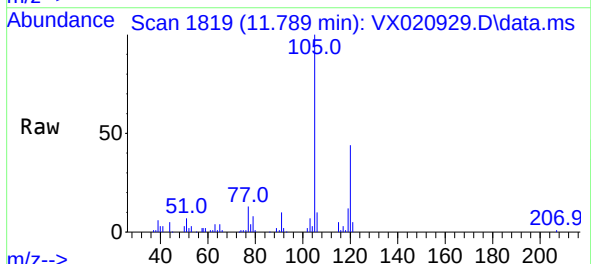
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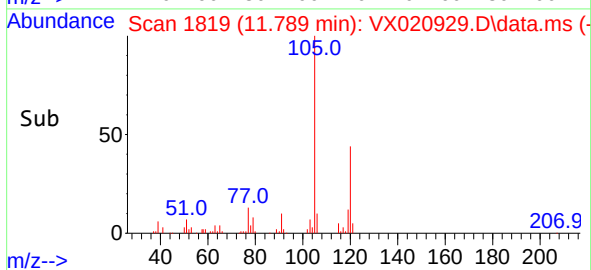
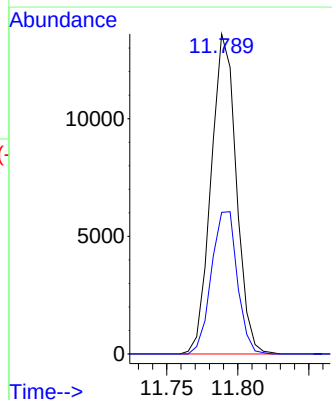
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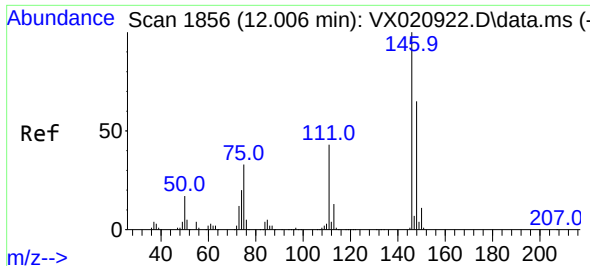


#63
1,2,4-Trimethylbenzene
Concen: 2.26 ug/L
RT: 11.789 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55



Tgt Ion:105 Resp: 16778
Ion Ratio Lower Upper
105 100
120 45.7 36.4 54.6





#64
1,3-Dichlorobenzene
Concen: 2.42 ug/L
RT: 12.006 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

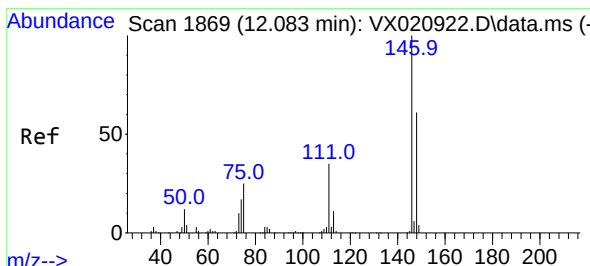
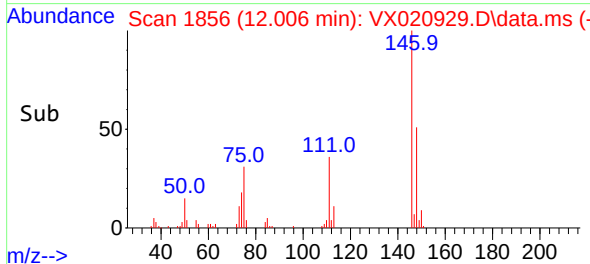
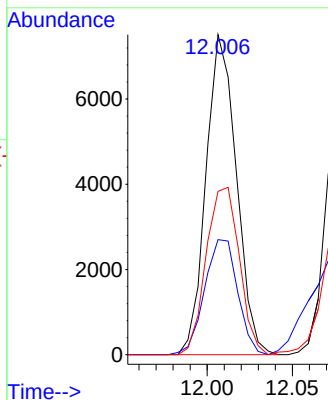
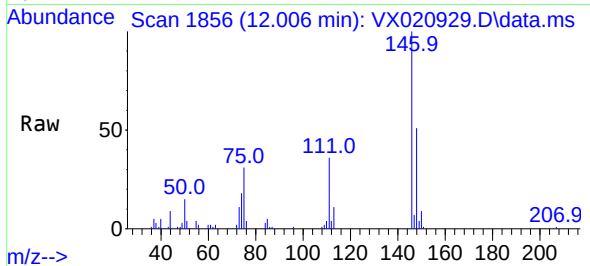
Tgt Ion:146 Resp: 9324
Ion Ratio Lower Upper
146 100
111 36.0 28.9 53.7
148 51.0 47.7 88.7

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

Manual Integrations
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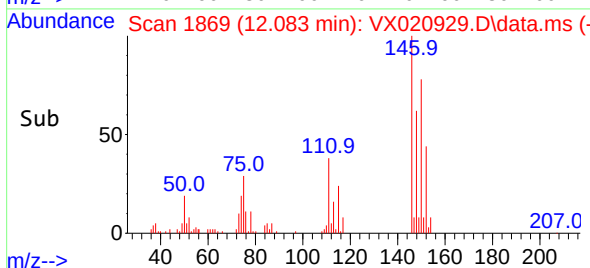
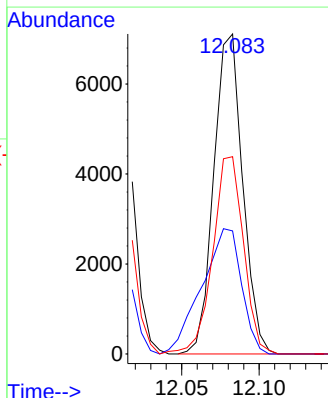
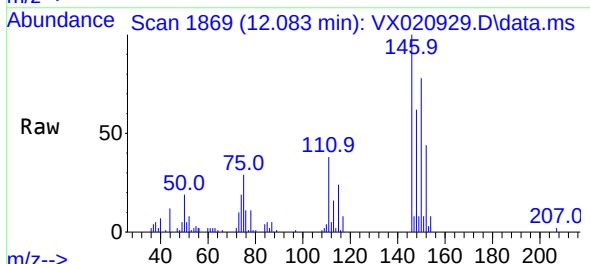
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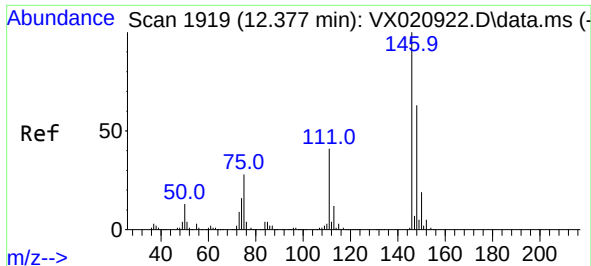
3/4/2021 11:58:35 AM



#65
1,4-Dichlorobenzene
Concen: 2.39 ug/L
RT: 12.083 min Scan# 1869
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

Tgt Ion:146 Resp: 9235
Ion Ratio Lower Upper
146 100
111 38.5 28.7 53.3
148 61.7 45.8 85.2





#67
1,2-Dichlorobenzene
Concen: 2.39 ug/L
RT: 12.371 min Scan# 1918
Delta R.T. -0.006 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

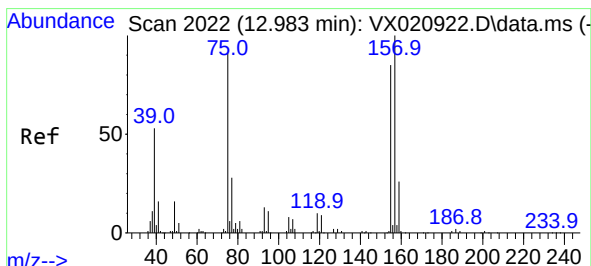
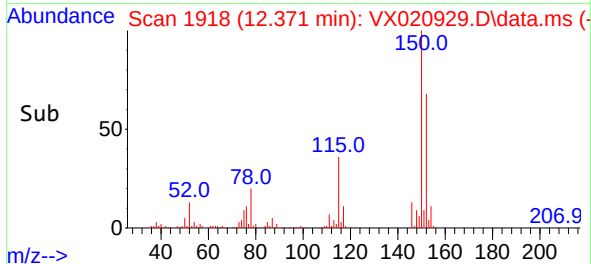
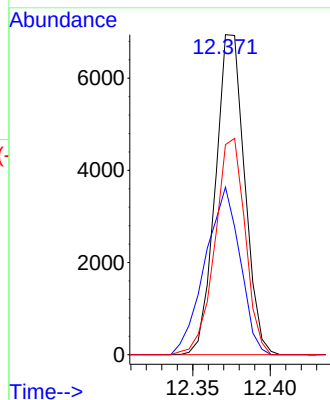
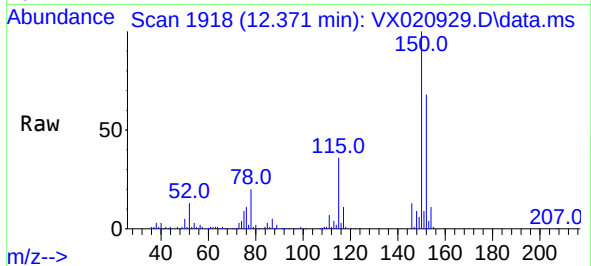
Tgt Ion:	146	Resp:	9094
Ion	Ratio	Lower	Upper
146	100		
111	52.3	33.8	50.8#
148	65.6	51.4	77.2

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

Manual Integrations
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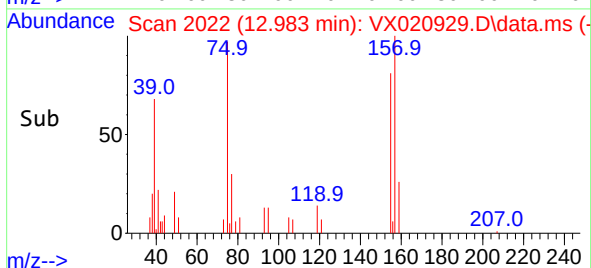
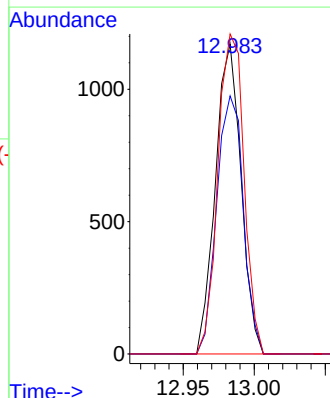
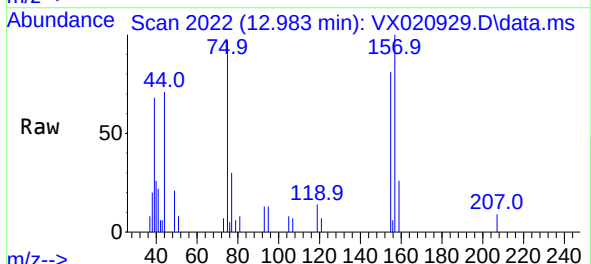
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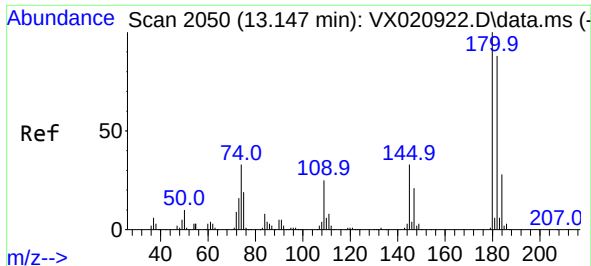
3/4/2021 11:58:35 AM



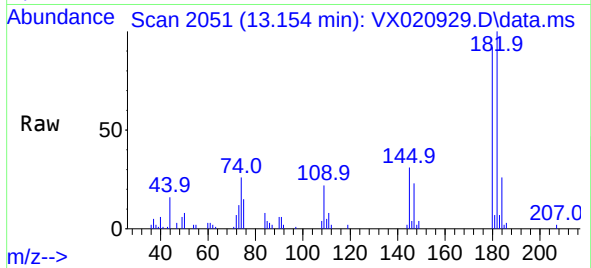
#68
1,2-Dibromo-3-chloropropane
Concen: 2.26 ug/L
RT: 12.983 min Scan# 2022
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

Tgt Ion:	75	Resp:	1468
Ion	Ratio	Lower	Upper
75	100		
155	83.3	65.3	97.9
157	103.2	80.5	120.7

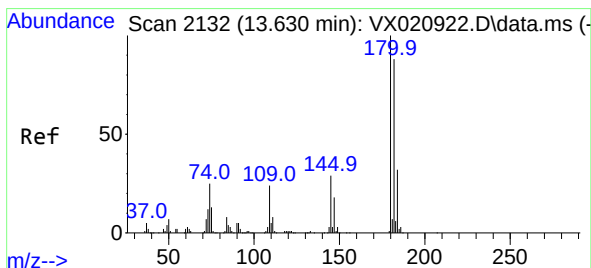
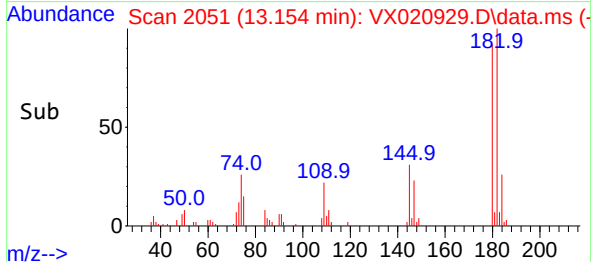
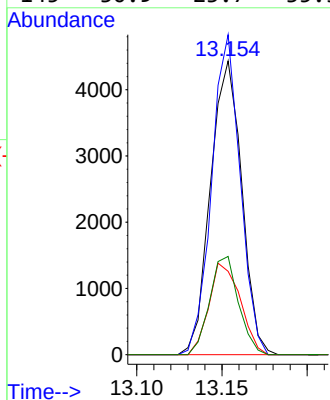




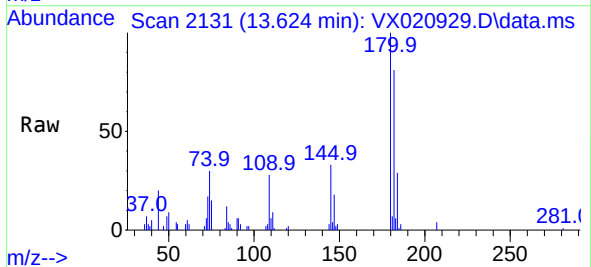
#69
1,3,5-Trichlorobenzene
Concen: 2.16 ug/L
RT: 13.154 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55



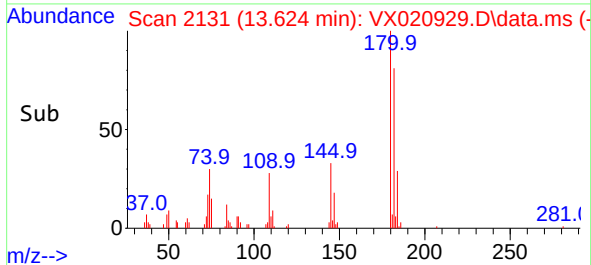
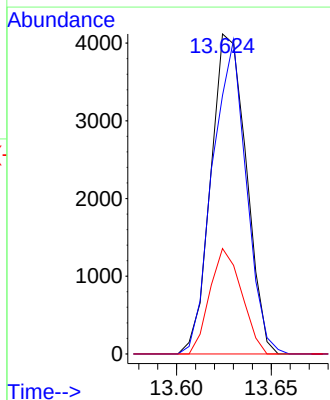
Tgt Ion:	180	Resp:	5665
Ion Ratio	Lower	Upper	
180	100		
182	99.4	74.8	112.2
184	31.2	24.1	36.1
145	30.9	23.7	35.5



#70
1,2,4-trichlorobenzene
Concen: 2.31 ug/L
RT: 13.624 min Scan# 2131
Delta R.T. -0.006 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55



Tgt Ion:	180	Resp:	5358
Ion Ratio	Lower	Upper	
180	100		
182	93.4	74.3	111.5
145	29.6	24.1	36.1

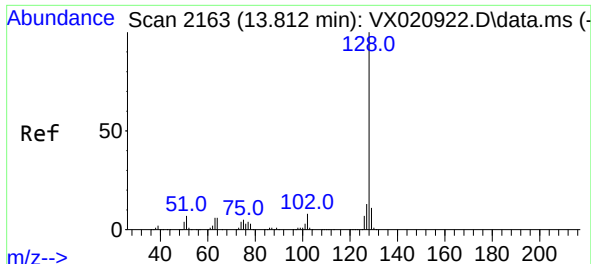


Instrument :
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MDL-MED-SOIL-QT2-2021-03

Manual Integrations
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3/4/2021 11:58:35 AM



#71
Naphthalene
Concen: 1.92 ug/L
RT: 13.818 min Scan# 2164
Delta R.T. 0.006 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

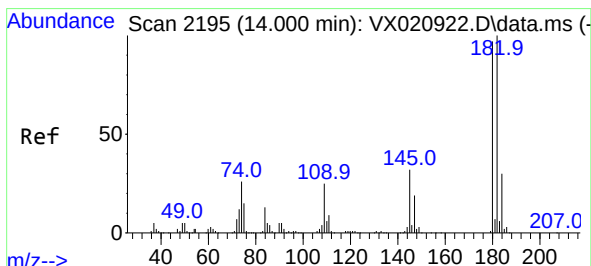
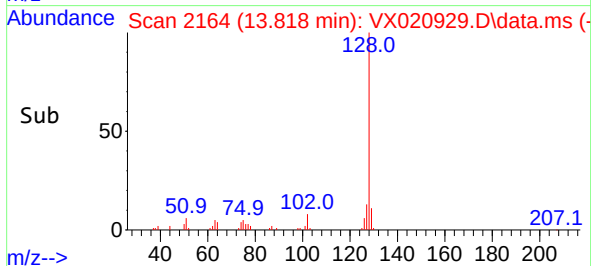
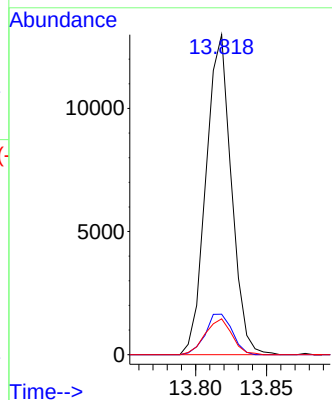
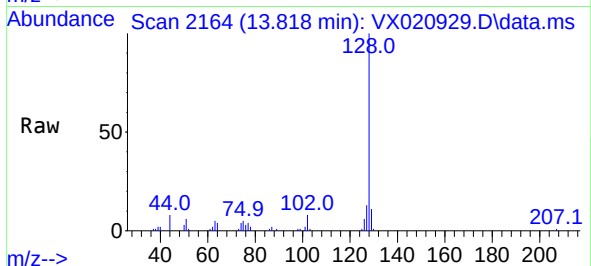
Tgt Ion:	128	Resp:	16143
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.2	15.2
129	11.8	8.6	13.0

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

Manual Integrations
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3/4/2021 11:58:35 AM



#72
1,2,3-Trichlorobenzene
Concen: 2.19 ug/L
RT: 14.001 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VX020929.D
Acq: 26 Feb 2021 15:55

Tgt Ion:	180	Resp:	5160
Ion Ratio	Lower	Upper	
180	100		
182	89.8	74.6	112.0
145	34.0	25.6	38.4

