

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021722\
 Data File : VU047202.D
 Acq On : 17 Feb 2022 13:36
 Operator : SY/MD
 Sample : N1331-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT1-2022-02

Quant Time: Feb 18 00:56:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 18 00:54:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	343019	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	347470	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	190497	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	120444	38.662	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.320%
7) Chloroethane-d5	1.919	69	111192	48.148	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.300%
11) 1,1-Dichloroethene-d2	2.571	63	158292	30.662	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.320%
21) 2-Butanone-d5	4.629	46	253151	104.777	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.780%
24) Chloroform-d	5.067	84	228980	45.276	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.560%
26) 1,2-Dichloroethane-d4	5.706	65	153945	47.424	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.840%
32) Benzene-d6	5.729	84	468236	40.533	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.060%
36) 1,2-Dichloropropane-d6	6.693	67	155605	41.537	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.080%
41) Toluene-d8	7.899	98	448071	40.738	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.480%
43) trans-1,3-Dichloroprop...	8.182	79	77562	39.508	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.020%
47) 2-Hexanone-d5	8.632	63	182178	84.885	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.880%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	239741	43.889	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.780%
66) 1,2-Dichlorobenzene-d4	12.195	152	190869	42.247	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	7141	2.234	ug/L	96
3) Chloromethane	1.526	50	7613	2.407	ug/L	96
5) Vinyl chloride	1.607	62	7522	2.360	ug/L #	77
6) Bromomethane	1.864	94	4592	2.477	ug/L	96
8) Chloroethane	1.938	64	4728	2.573	ug/L	99
9) Trichlorofluoromethane	2.144	101	9186	2.489	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	6669	2.933	ug/L #	88
12) 1,1-Dichloroethene	2.584	96	6142	2.754	ug/L #	1
13) Acetone	2.649	43	8867	5.038	ug/L	99
14) Carbon disulfide	2.800	76	15050	2.150	ug/L	98
15) Methyl Acetate	2.957	43	7293	2.462	ug/L	94
16) Methylene chloride	3.054	84	6900	2.795	ug/L	95
17) trans-1,2-Dichloroethene	3.359	96	5365	2.289	ug/L	94
18) Methyl tert-butyl Ether	3.369	73	17966	2.267	ug/L #	94
19) 1,1-Dichloroethane	3.877	63	9939	2.258	ug/L	97
20) cis-1,2-Dichloroethene	4.677	96	6442	2.485	ug/L	96
22) 2-Butanone	4.716	43	11290	4.781	ug/L	97
23) Bromochloromethane	4.976	128	3247	2.362	ug/L	94
27) 1,2-Dichloroethane	5.796	62	8710	2.543	ug/L	100

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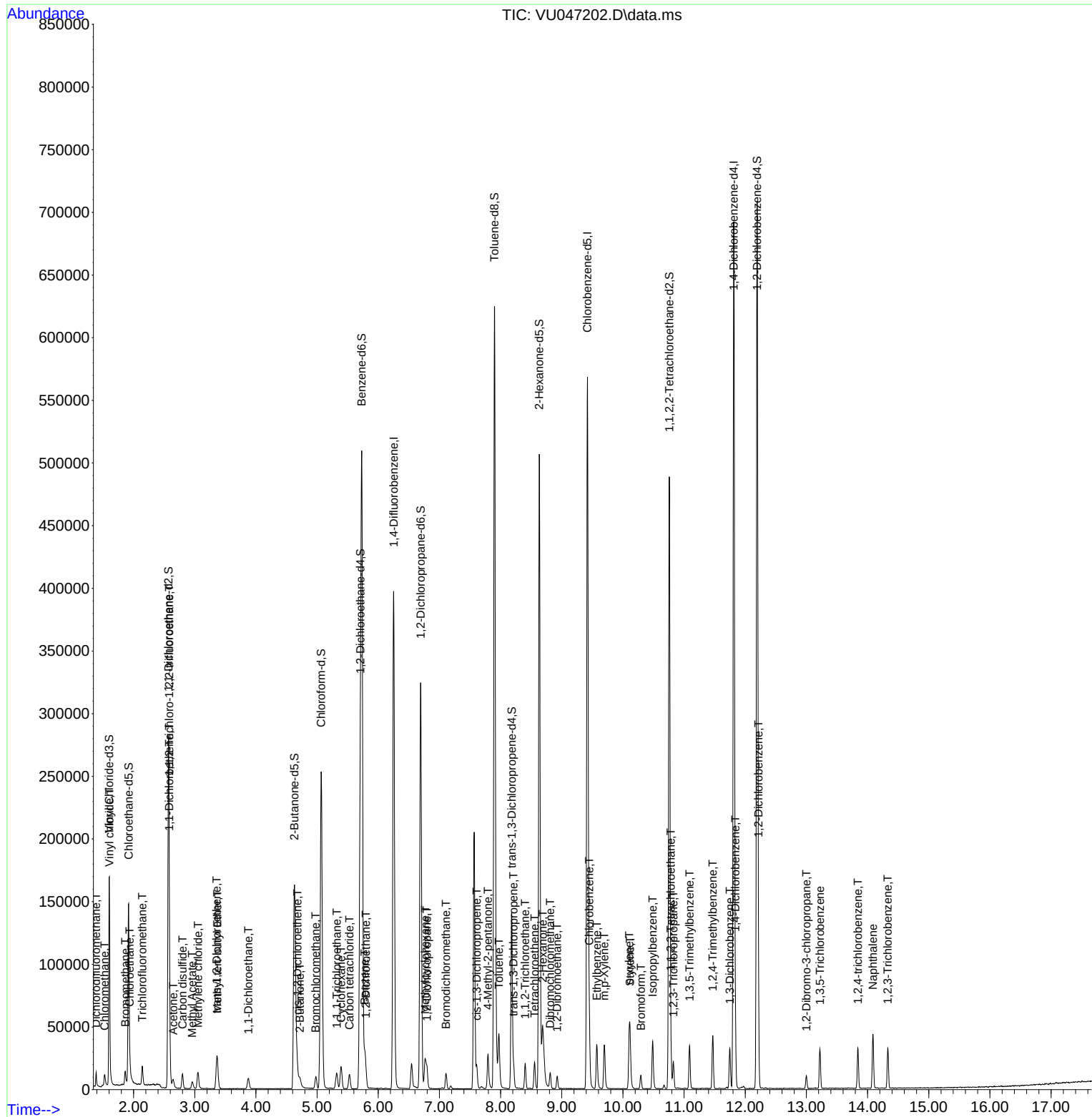
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.394	56	8985	1.973	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	8789	2.112	ug/L	97
31) Carbon tetrachloride	5.526	117	7632	2.115	ug/L	100
33) Benzene	5.777	78	23828	2.199	ug/L	100
35) Methylcyclohexane	6.767	83	9356	1.981	ug/L	93
37) 1,2-Dichloropropane	6.796	63	6521	2.246	ug/L #	90
38) Bromodichloromethane	7.105	83	8300	2.243	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	10039	2.128	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	19664	4.277	ug/L #	92
42) Toluene	7.973	91	33186	2.788	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	9777	2.157	ug/L	96
45) 1,1,2-Trichloroethane	8.401	97	6265	2.291	ug/L	97
46) Tetrachloroethene	8.555	164	5156	2.277	ug/L	89
48) 2-Hexanone	8.690	43	34952	9.194	ug/L #	93
49) Dibromochloromethane	8.812	129	6479	2.048	ug/L	98
50) 1,2-Dibromoethane	8.925	107	6741	2.219	ug/L #	95
51) Chlorobenzene	9.449	112	16901	2.214	ug/L	94
52) Ethylbenzene	9.574	91	28980	2.224	ug/L	97
53) m,p-Xylene	9.697	106	11350	2.196	ug/L	90
54) o-xylene	10.102	106	11003	2.162	ug/L	91
55) Styrene	10.118	104	17688	2.020	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	11958	2.481	ug/L #	89
59) Bromoform	10.295	173	4815	1.862	ug/L	92
60) 1,2,3-Trichloropropane	10.825	75	8882	2.187	ug/L	94
61) Isopropylbenzene	10.488	105	27621	2.063	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	19090	2.011	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	23677	2.055	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	13630	2.181	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	14151	2.253	ug/L	95
67) 1,2-Dichlorobenzene	12.214	146	13914	2.238	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.999	75	2558	1.977	ug/L	85
69) 1,3,5-Trichlorobenzene	13.221	180	10371	2.146	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	10184	2.223	ug/L	98
71) Naphthalene	14.089	128	35655	2.199	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	10669	2.339	ug/L	95

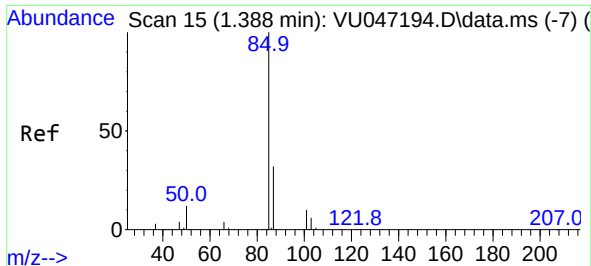
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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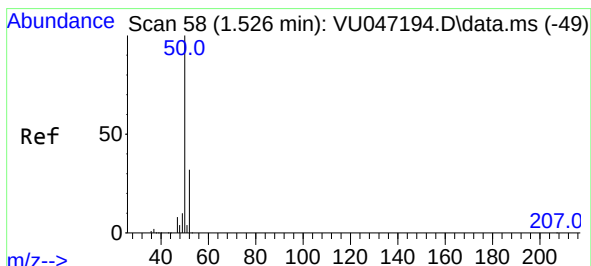
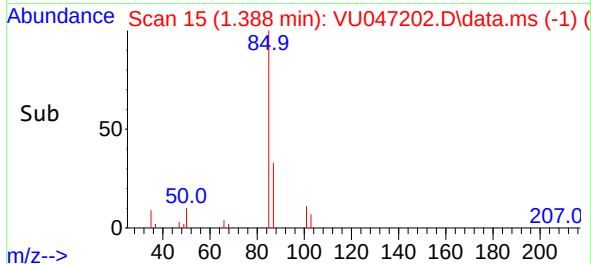
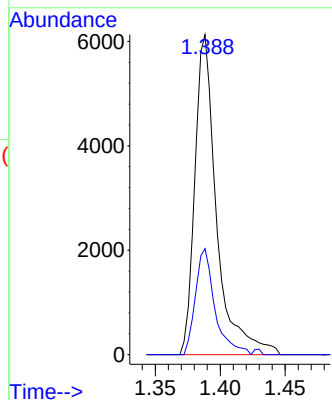
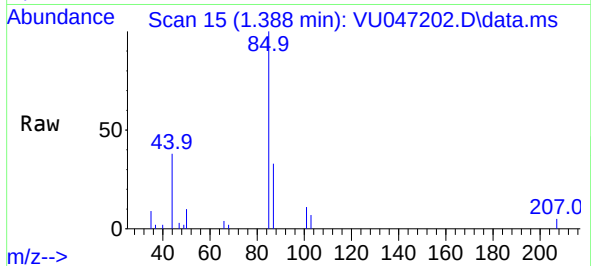




#2
Dichlorodifluoromethane
Concen: 2.234 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

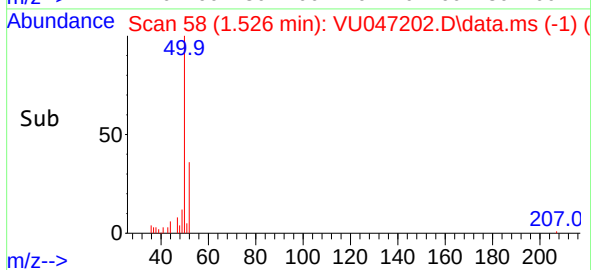
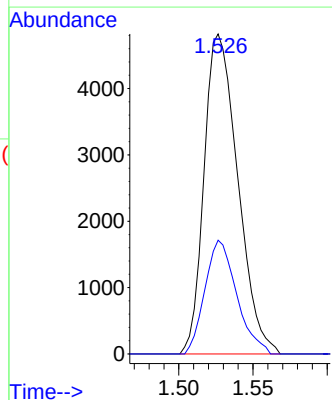
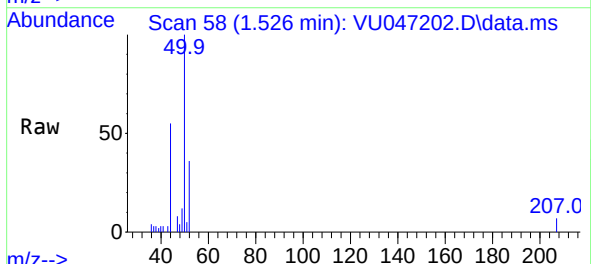
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MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02

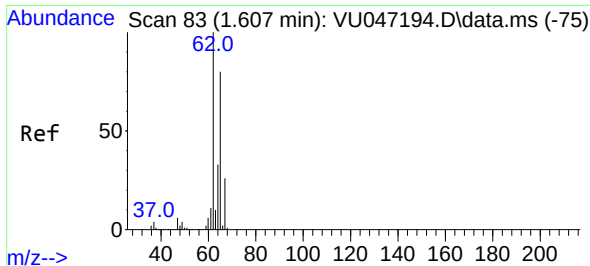
Tgt Ion: 85 Resp: 7141
Ion Ratio Lower Upper
85 100
87 29.7 25.6 38.4



#3
Chloromethane
Concen: 2.407 ug/L
RT: 1.526 min Scan# 58
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

Tgt Ion: 50 Resp: 7613
Ion Ratio Lower Upper
50 100
52 35.6 23.2 43.2

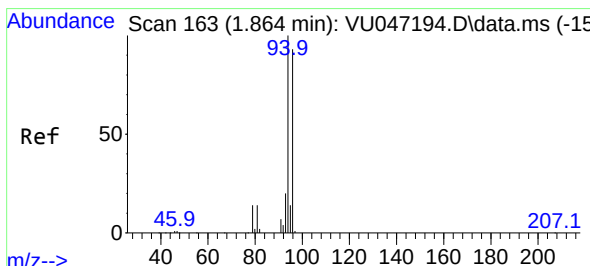
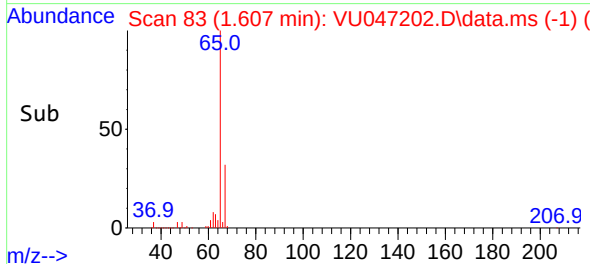
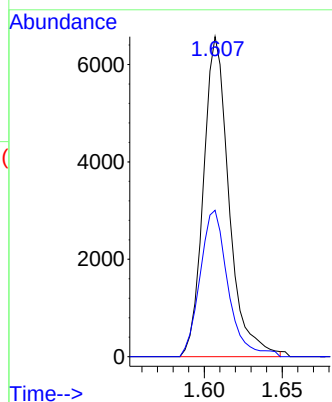
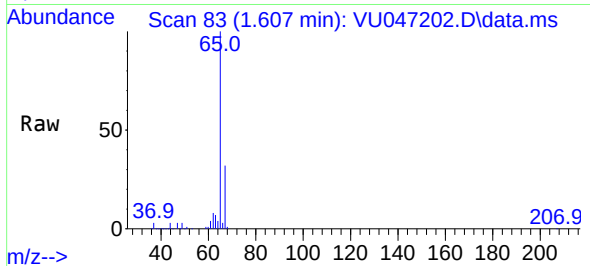




#5
 Vinyl chloride
 Concen: 2.360 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU047202.D
 Acq: 17 Feb 2022 13:36

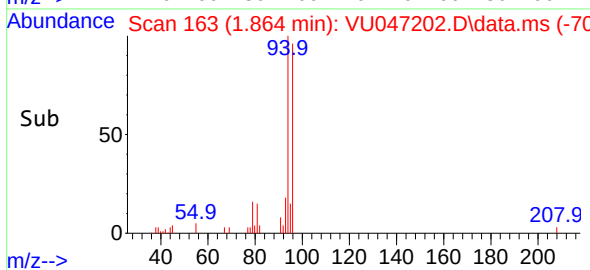
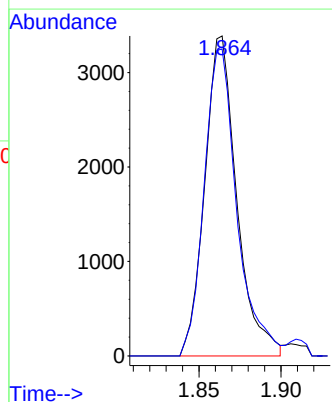
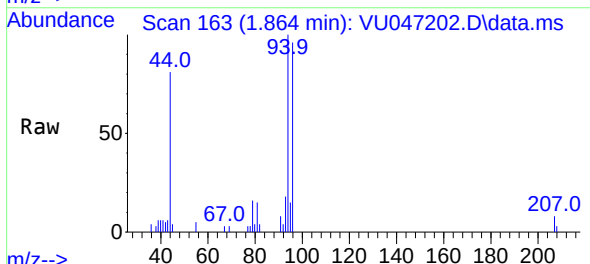
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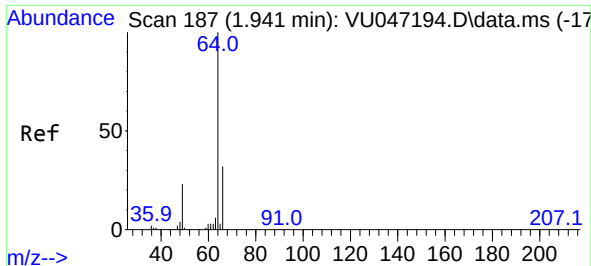
Tgt Ion: 62 Resp: 7522
 Ion Ratio Lower Upper
 62 100
 64 45.7 23.1 42.9#



#6
 Bromomethane
 Concen: 2.477 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.000 min
 Lab File: VU047202.D
 Acq: 17 Feb 2022 13:36

Tgt Ion: 94 Resp: 4592
 Ion Ratio Lower Upper
 94 100
 96 96.0 64.4 119.6

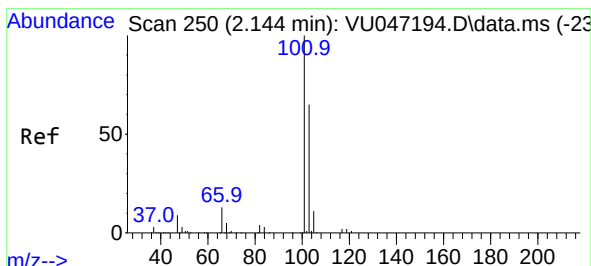
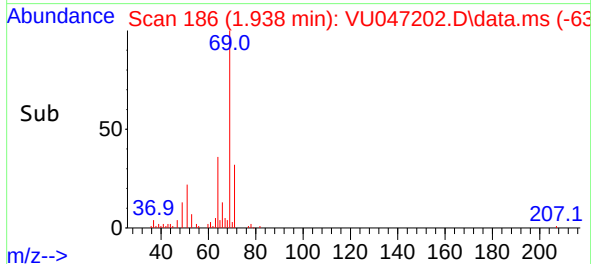
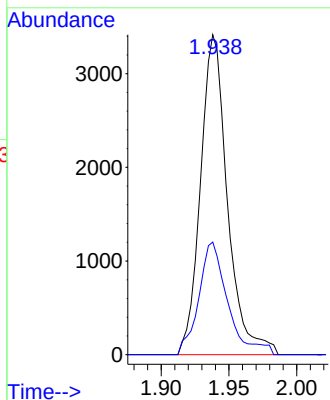
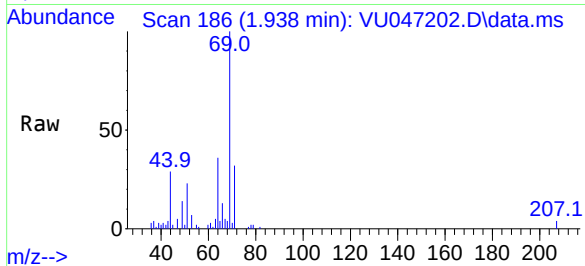




#8
Chloroethane
Concen: 2.573 ug/L
RT: 1.938 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

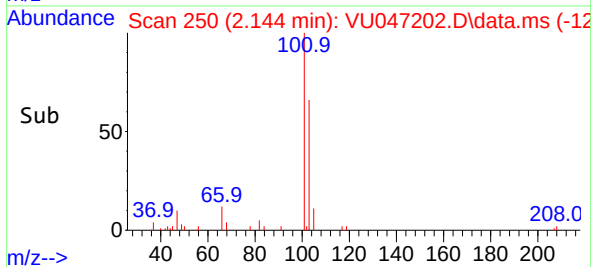
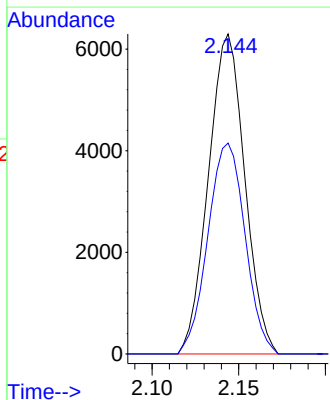
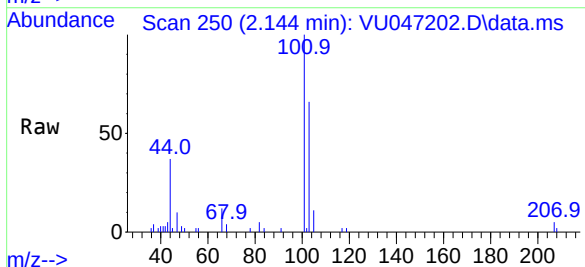
Instrument :
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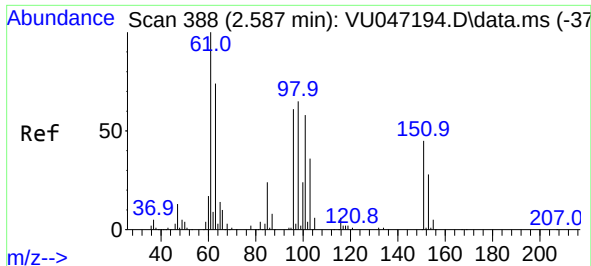
Tgt Ion: 64 Resp: 4728
Ion Ratio Lower Upper
64 100
66 35.2 24.4 45.2



#9
Trichlorofluoromethane
Concen: 2.489 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

Tgt Ion:101 Resp: 9186
Ion Ratio Lower Upper
101 100
103 67.4 52.0 78.0

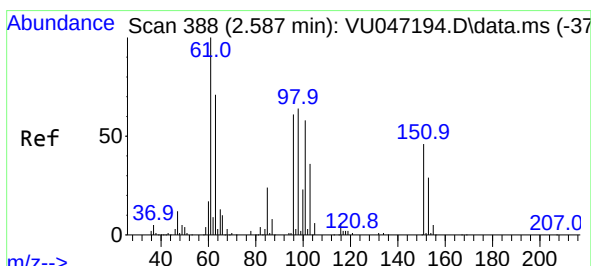
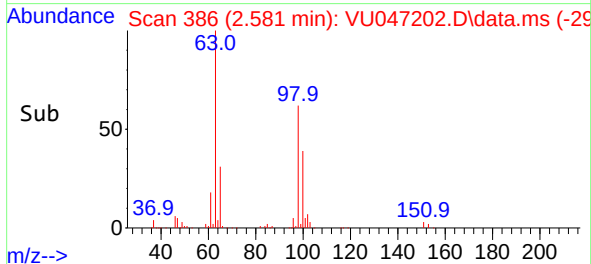
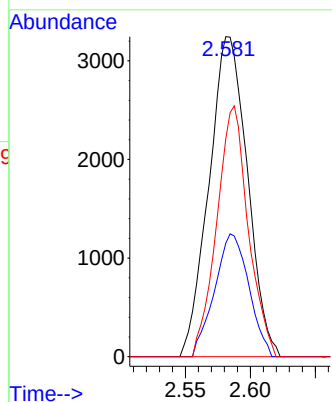
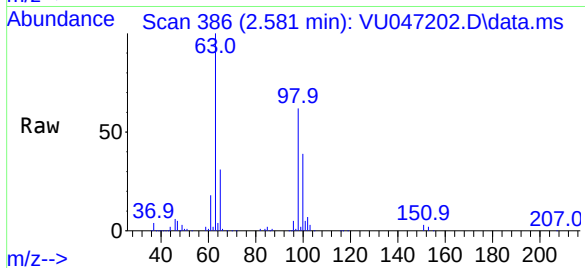




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.933 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.006 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

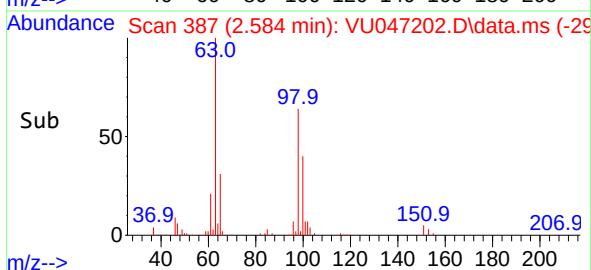
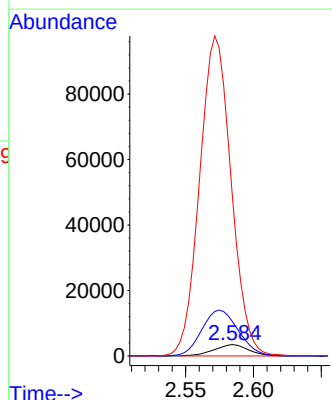
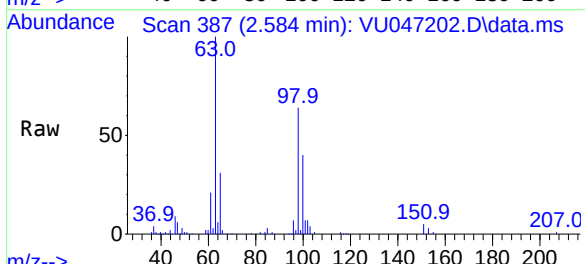
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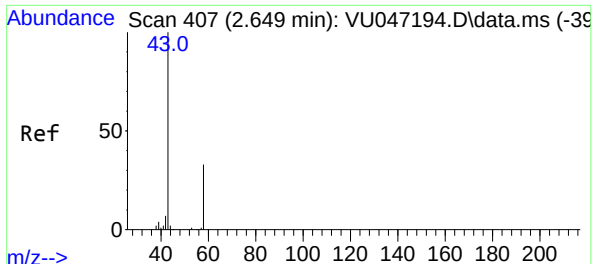
Tgt Ion:101 Resp: 6669
Ion Ratio Lower Upper
101 100
85 34.2 34.9 52.3#
151 64.1 58.3 87.5



#12
1,1-Dichloroethene
Concen: 2.754 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

Tgt Ion: 96 Resp: 6142
Ion Ratio Lower Upper
96 100
61 306.8 114.9 213.3#
63 1430.2 86.0 159.8#





#13

Acetone

Concen: 5.038 ug/L

RT: 2.649 min Scan# 407

Delta R.T. 0.000 min

Lab File: VU047202.D

Acq: 17 Feb 2022 13:36

Instrument :

MSVOA_U

ClientSampleId :

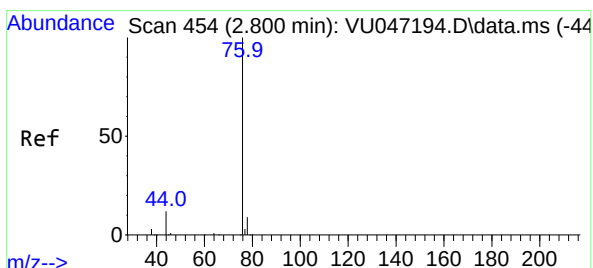
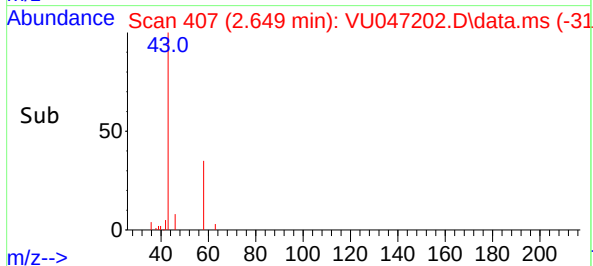
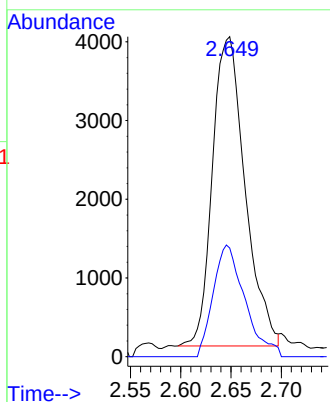
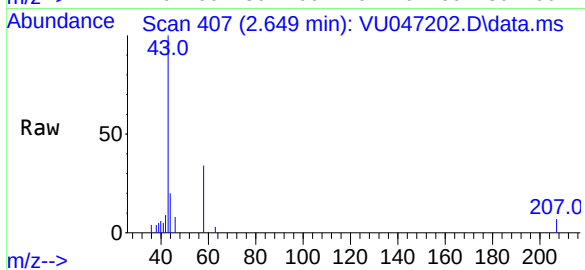
MDL-MED-SOIL-QT1-2022-02

Tgt Ion: 43 Resp: 8867

Ion Ratio Lower Upper

43 100

58 34.8 0.0 71.0



#14

Carbon disulfide

Concen: 2.150 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU047202.D

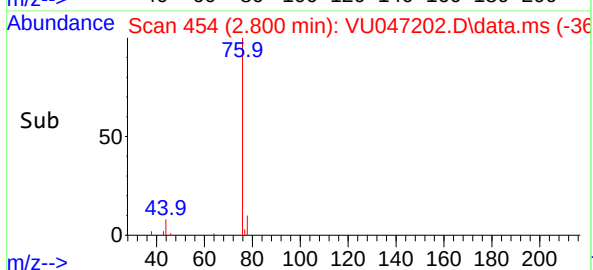
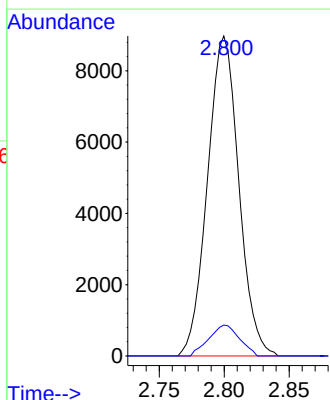
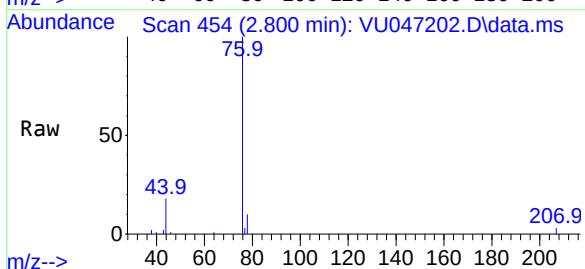
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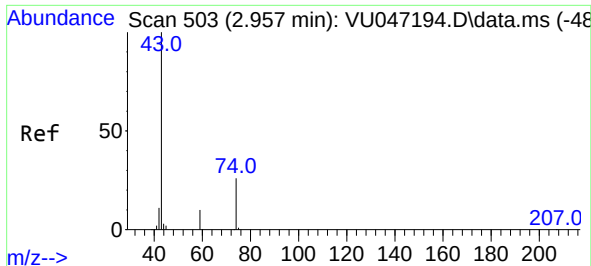
Tgt Ion: 76 Resp: 15050

Ion Ratio Lower Upper

76 100

78 9.7 7.1 10.7

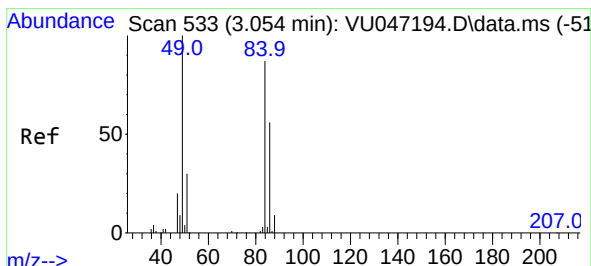
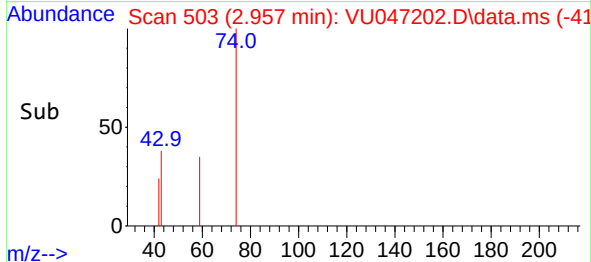
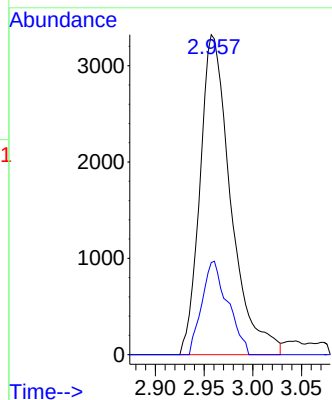
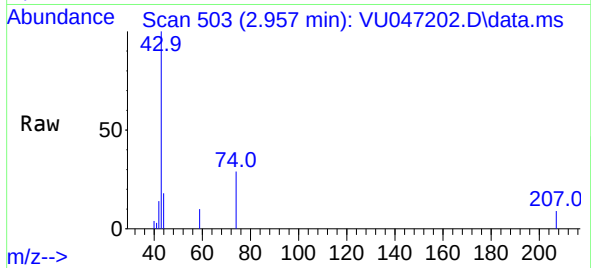




#15
Methyl Acetate
Concen: 2.462 ug/L
RT: 2.957 min Scan# 503
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

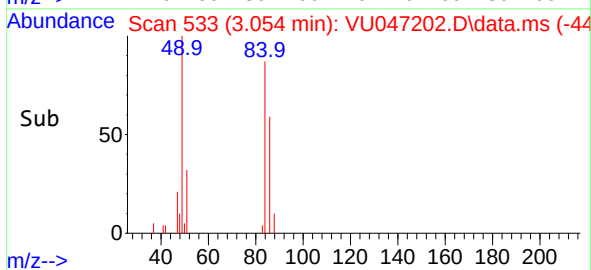
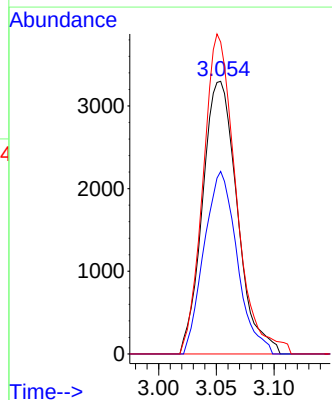
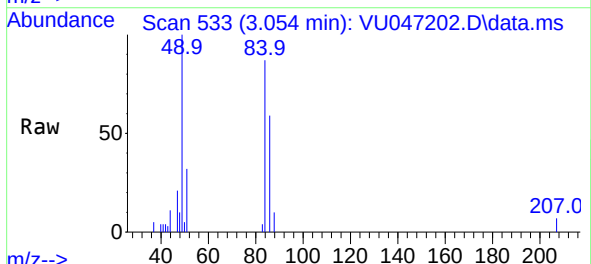
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02

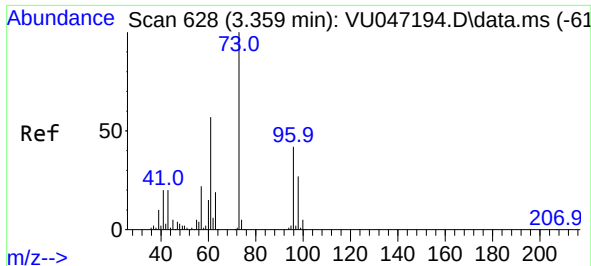
Tgt Ion: 43 Resp: 7293
Ion Ratio Lower Upper
43 100
74 24.5 22.3 33.5



#16
Methylene chloride
Concen: 2.795 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

Tgt Ion: 84 Resp: 6900
Ion Ratio Lower Upper
84 100
86 67.0 44.7 82.9
49 114.3 75.9 141.1

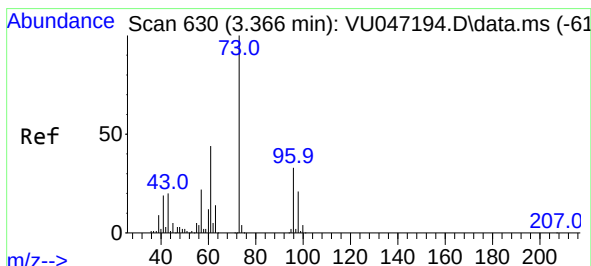
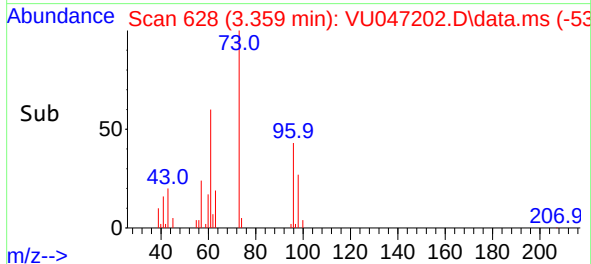
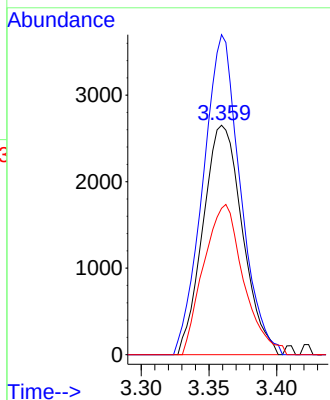
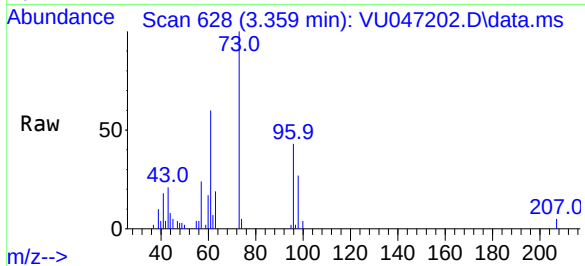




#17
trans-1,2-Dichloroethene
Concen: 2.289 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

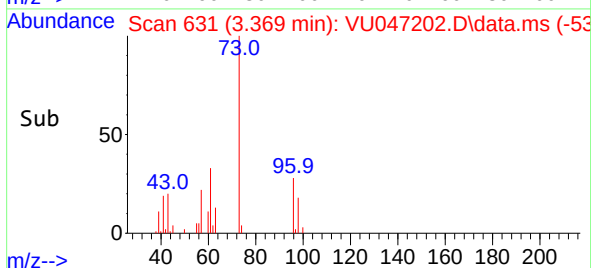
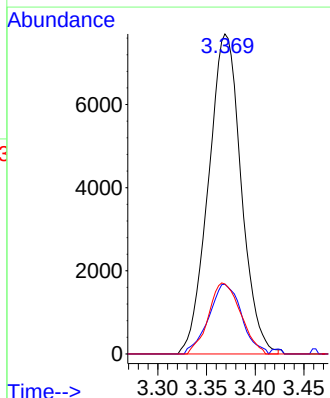
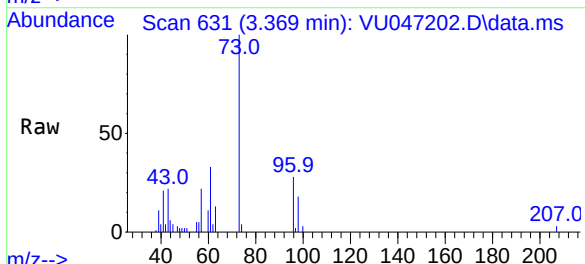
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02

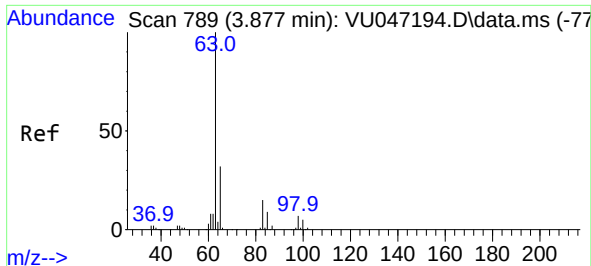
Tgt Ion: 96 Resp: 5365
Ion Ratio Lower Upper
96 100
61 139.5 92.5 171.9
98 63.8 42.4 78.6



#18
Methyl tert-butyl Ether
Concen: 2.267 ug/L
RT: 3.369 min Scan# 631
Delta R.T. 0.003 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

Tgt Ion: 73 Resp: 17966
Ion Ratio Lower Upper
73 100
43 21.8 14.1 21.1#
57 21.8 16.4 24.6





#19

1,1-Dichloroethane

Concen: 2.258 ug/L

RT: 3.877 min Scan# 7

Delta R.T. 0.000 min

Lab File: VU047202.D

Acq: 17 Feb 2022 13:36

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT1-2022-02

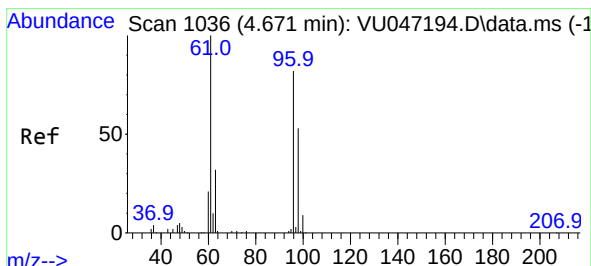
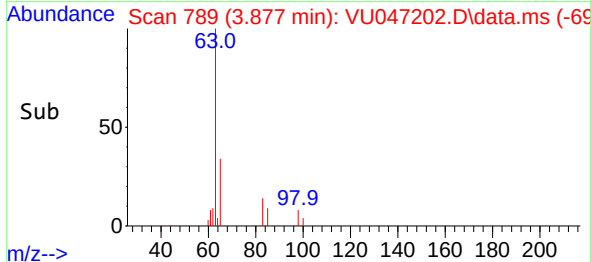
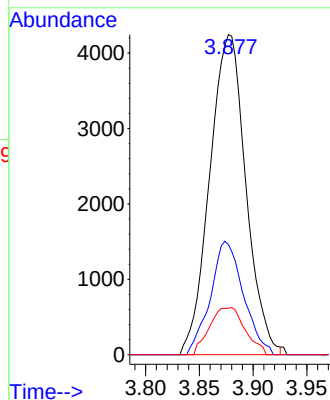
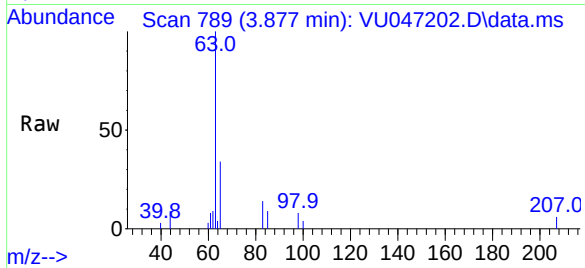
Tgt Ion: 63 Resp: 9939

Ion Ratio Lower Upper

63 100

65 34.4 22.8 42.4

83 14.5 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 2.485 ug/L

RT: 4.677 min Scan# 1038

Delta R.T. 0.006 min

Lab File: VU047202.D

Acq: 17 Feb 2022 13:36

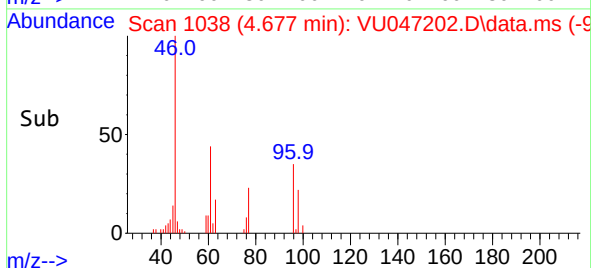
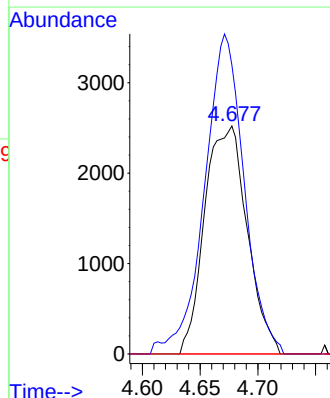
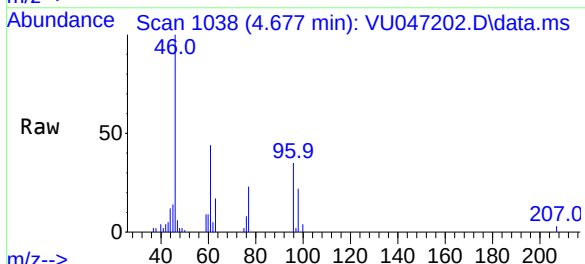
Tgt Ion: 96 Resp: 6442

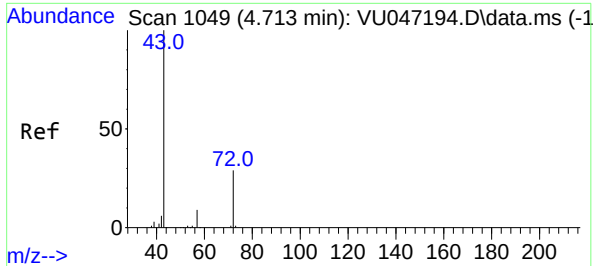
Ion Ratio Lower Upper

96 100

61 126.8 86.0 159.6

68 0.0 0.0 0.0

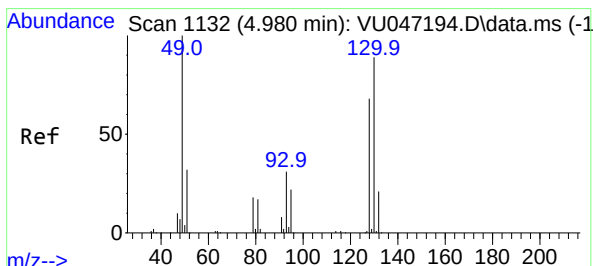
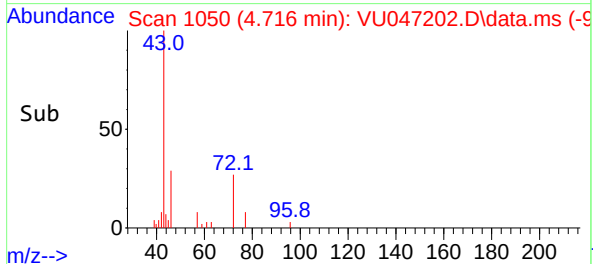
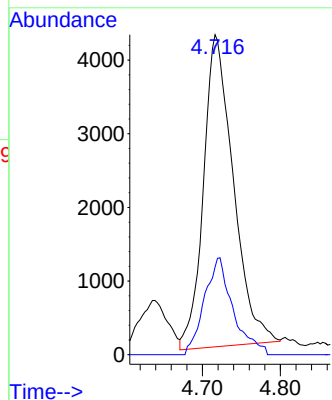
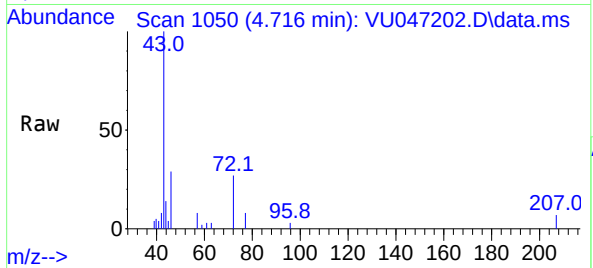




#22
2-Butanone
Concen: 4.781 ug/L
RT: 4.716 min Scan# 11290
Delta R.T. 0.003 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

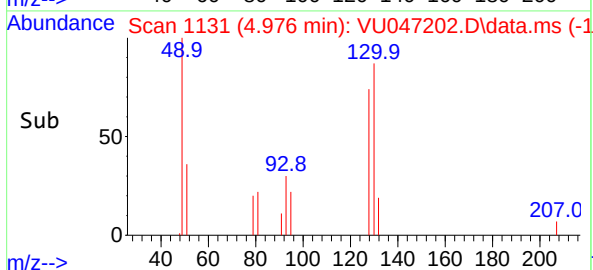
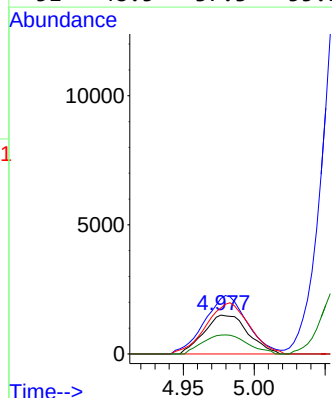
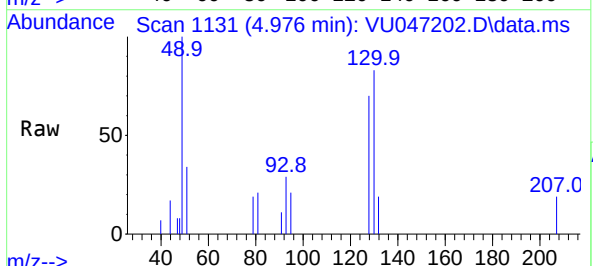
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT1-2022-02

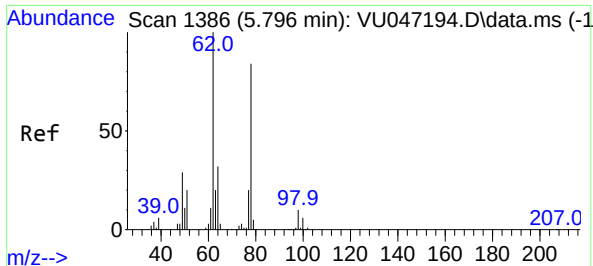
Tgt Ion: 43 Resp: 11290
Ion Ratio Lower Upper
43 100
72 29.6 15.6 46.8



#23
Bromochloromethane
Concen: 2.362 ug/L
RT: 4.976 min Scan# 1131
Delta R.T. -0.003 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

Tgt Ion:128 Resp: 3247
Ion Ratio Lower Upper
128 100
49 142.8 105.4 195.8
130 118.4 88.7 164.7
51 48.5 37.3 55.9

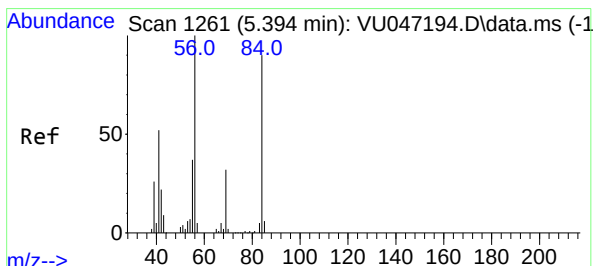
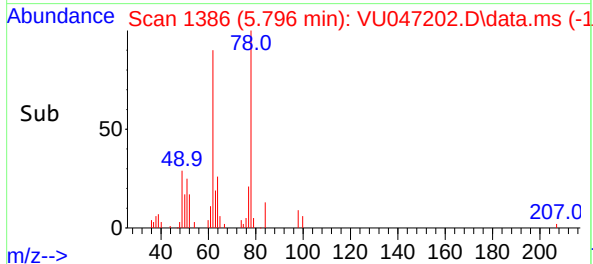
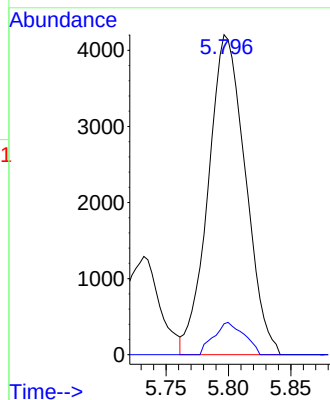
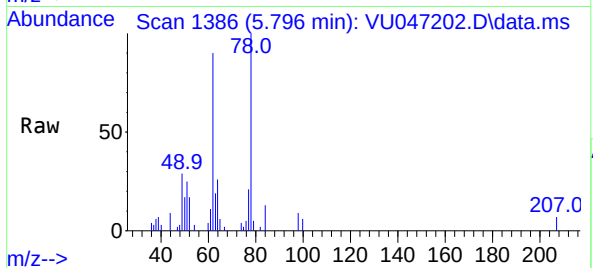




#27
1,2-Dichloroethane
Concen: 2.543 ug/L
RT: 5.796 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

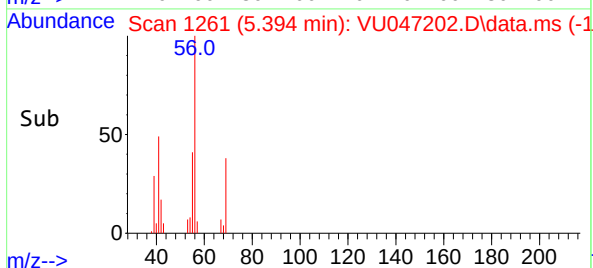
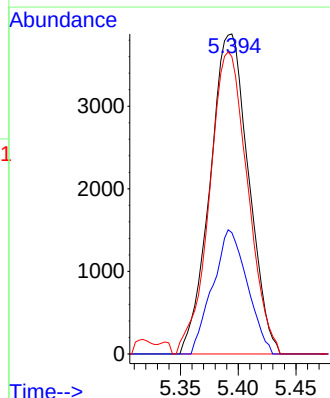
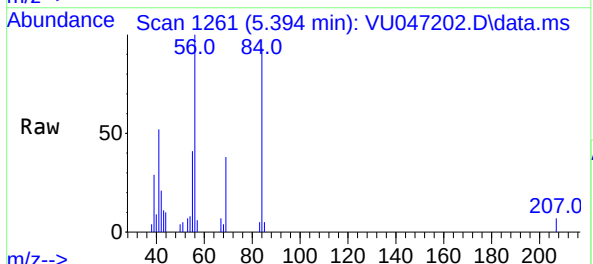
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02

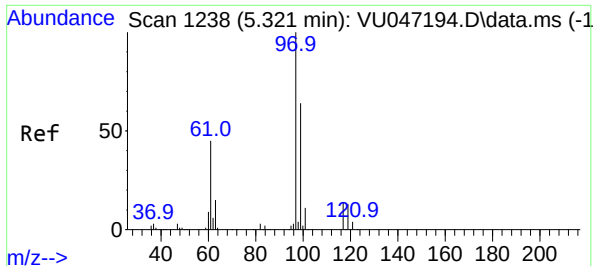
Tgt Ion: 62 Resp: 8710
Ion Ratio Lower Upper
62 100
98 9.7 7.7 11.5



#29
Cyclohexane
Concen: 1.973 ug/L
RT: 5.394 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

Tgt Ion: 56 Resp: 8985
Ion Ratio Lower Upper
56 100
69 34.8 25.8 38.6
84 93.4 74.2 111.2





#30

1,1,1-Trichloroethane

Concen: 2.112 ug/L

RT: 5.321 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU047202.D

Acq: 17 Feb 2022 13:36

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT1-2022-02

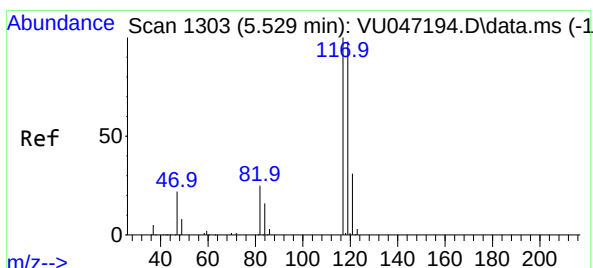
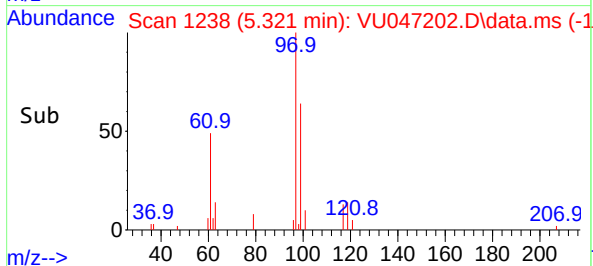
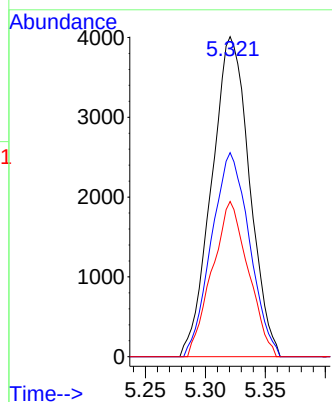
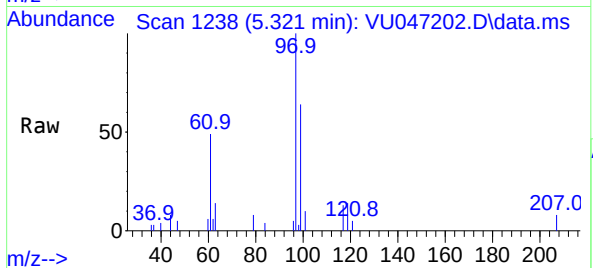
Tgt Ion: 97 Resp: 8789

Ion Ratio Lower Upper

97 100

99 64.2 51.1 76.7

61 46.3 34.1 51.1



#31

Carbon tetrachloride

Concen: 2.115 ug/L

RT: 5.526 min Scan# 1302

Delta R.T. -0.003 min

Lab File: VU047202.D

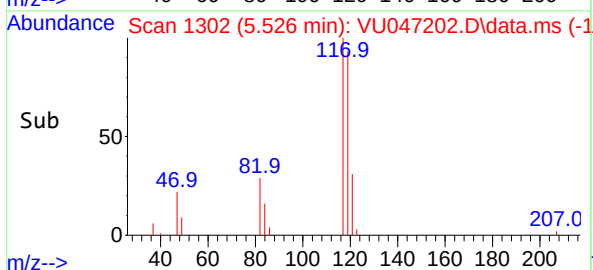
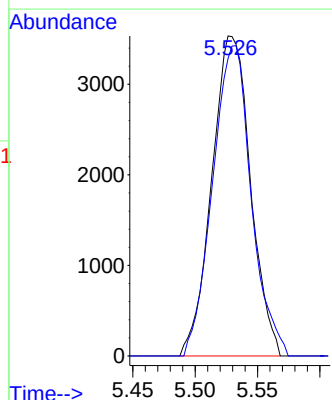
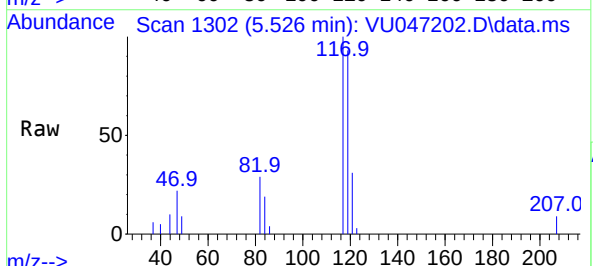
Acq: 17 Feb 2022 13:36

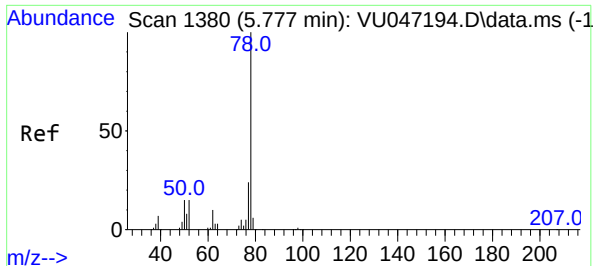
Tgt Ion: 117 Resp: 7632

Ion Ratio Lower Upper

117 100

119 96.8 77.5 116.3

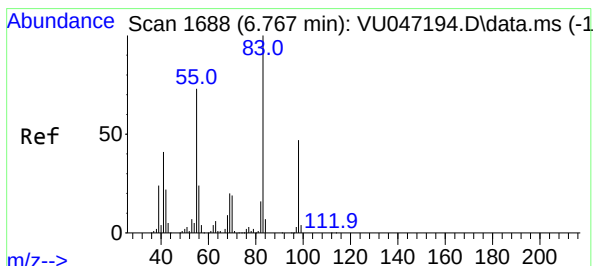
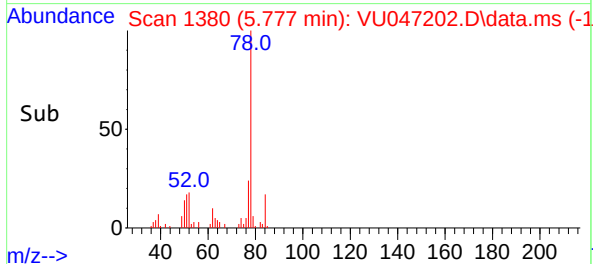
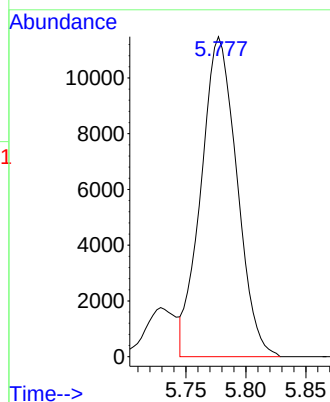
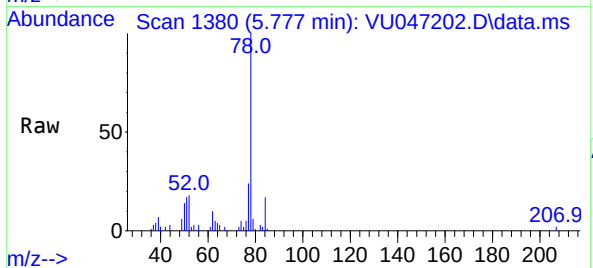




#33
Benzene
Concen: 2.199 ug/L
RT: 5.777 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

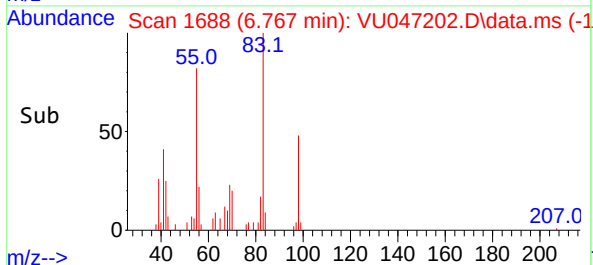
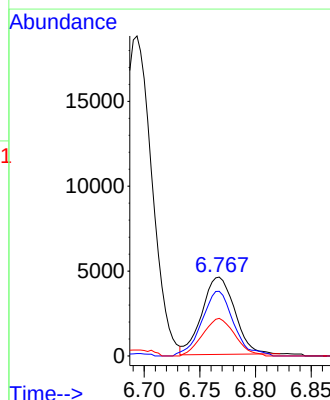
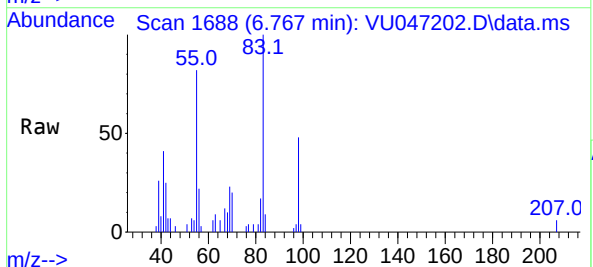
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02

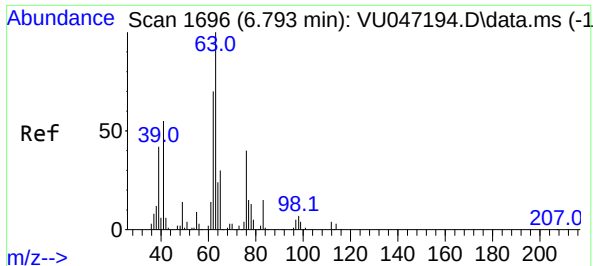
Tgt Ion: 78 Resp: 23828



#35
Methylcyclohexane
Concen: 1.981 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

Tgt Ion: 83 Resp: 9356
Ion Ratio Lower Upper
83 100
55 80.5 56.6 85.0
98 48.0 38.4 57.6

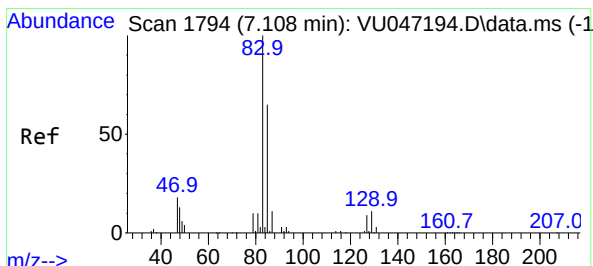
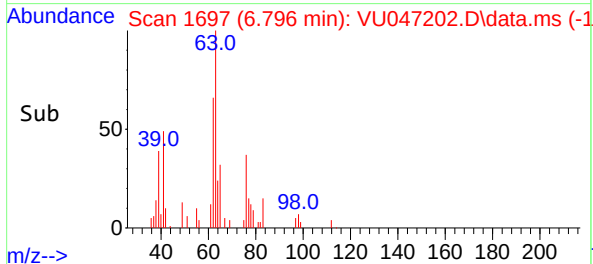
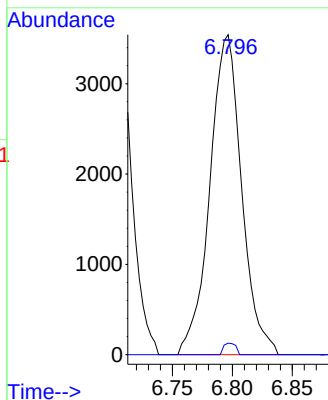
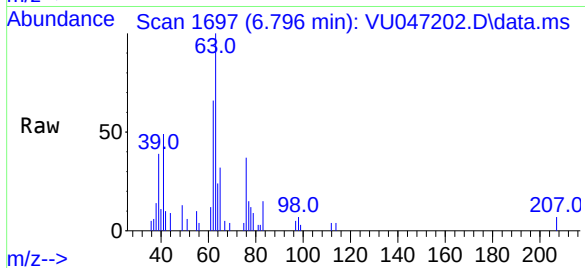




#37
1,2-Dichloropropane
Concen: 2.246 ug/L
RT: 6.796 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

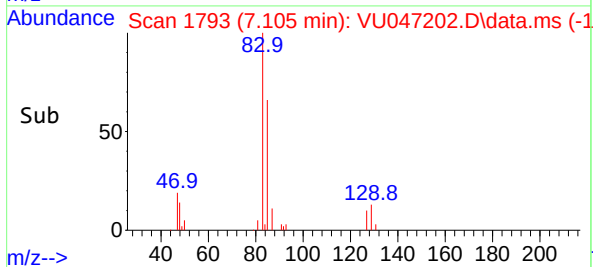
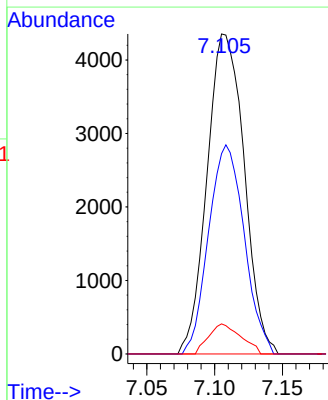
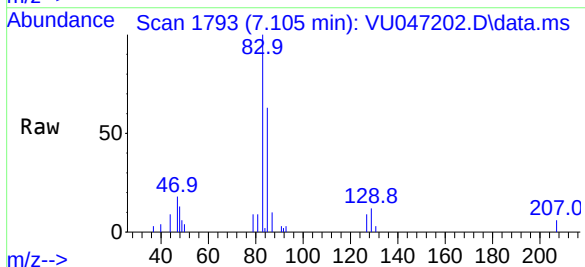
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02

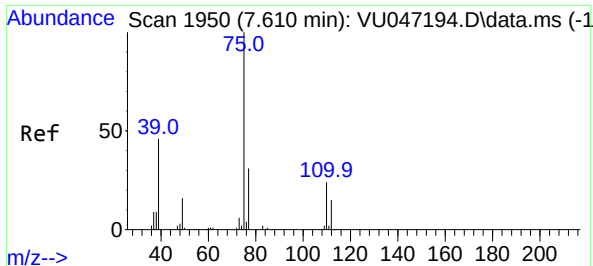
Tgt Ion: 63 Resp: 6521
Ion Ratio Lower Upper
63 100
112 1.3 3.7 5.5#



#38
Bromodichloromethane
Concen: 2.243 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. -0.003 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

Tgt Ion: 83 Resp: 8300
Ion Ratio Lower Upper
83 100
85 62.6 45.0 83.6
127 9.4 7.3 10.9

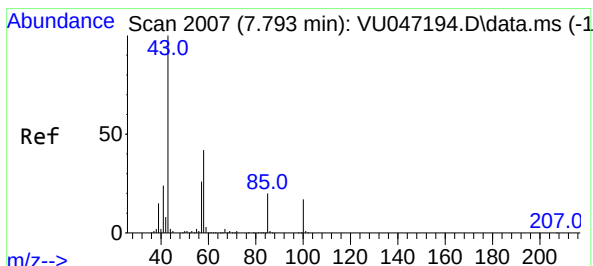
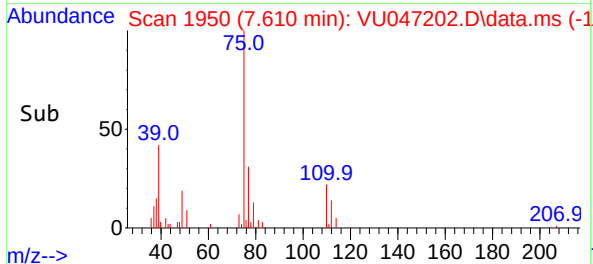
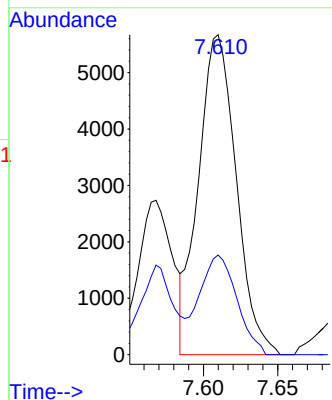
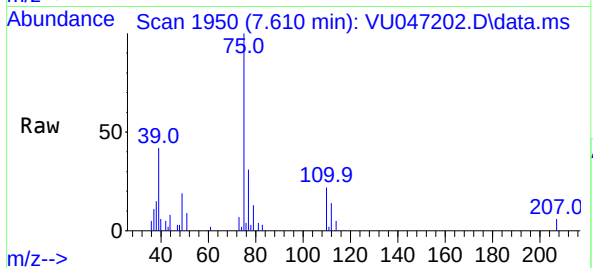




#39
cis-1,3-Dichloropropene
Concen: 2.128 ug/L
RT: 7.610 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

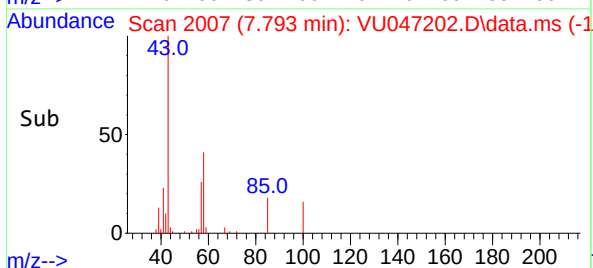
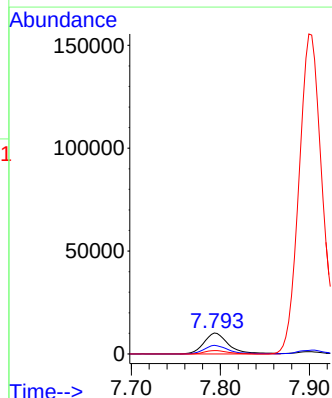
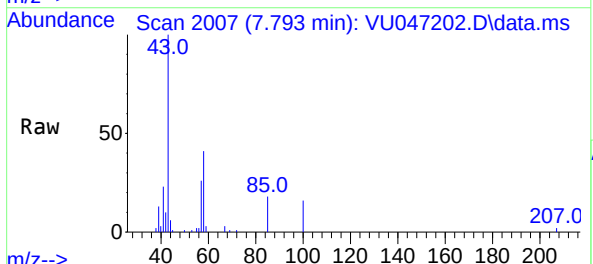
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT1-2022-02

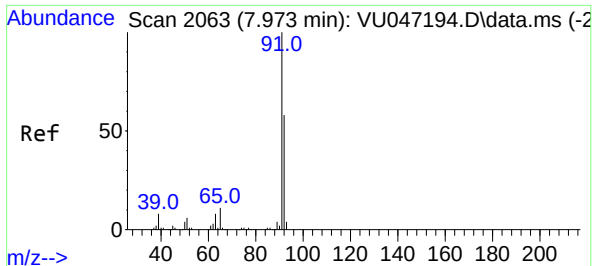
Tgt Ion: 75 Resp: 10039
Ion Ratio Lower Upper
75 100
77 31.2 22.3 41.3



#40
4-Methyl-2-pentanone
Concen: 4.277 ug/L
RT: 7.793 min Scan# 2007
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

Tgt Ion: 43 Resp: 19664
Ion Ratio Lower Upper
43 100
58 39.9 35.8 53.8
100 15.4 15.7 23.5#





#42

Toluene

Concen: 2.788 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU047202.D

Acq: 17 Feb 2022 13:36

Instrument :

MSVOA_U

ClientSampleId :

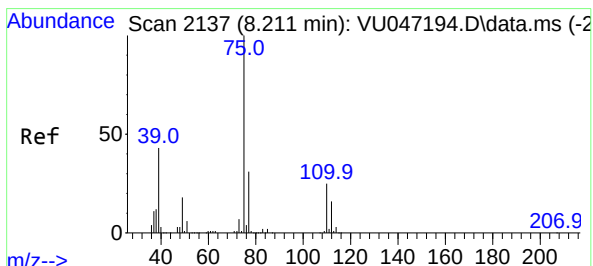
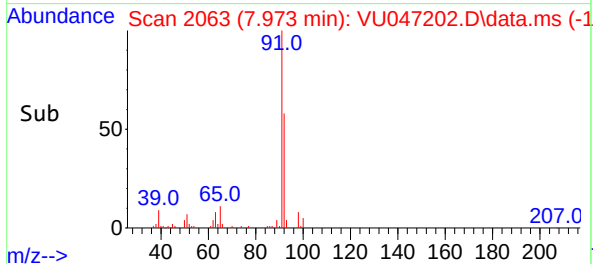
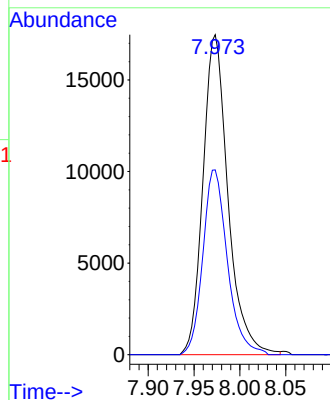
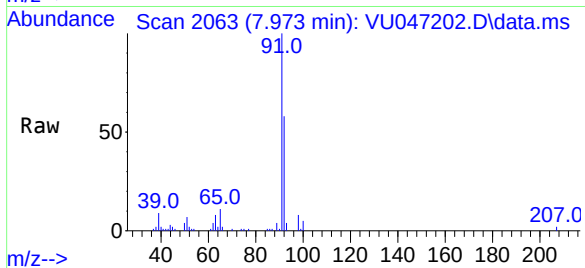
MDL-MED-SOIL-QT1-2022-02

Tgt Ion: 91 Resp: 33186

Ion Ratio Lower Upper

91 100

92 57.8 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 2.157 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU047202.D

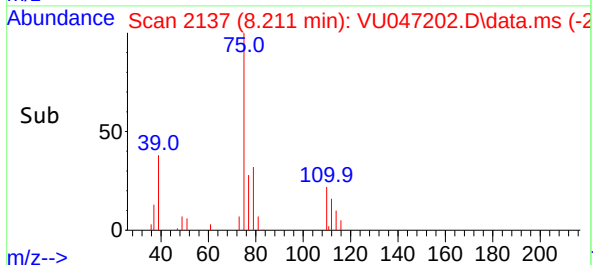
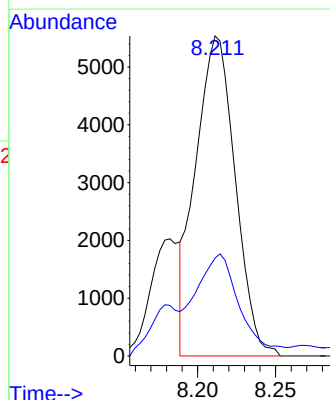
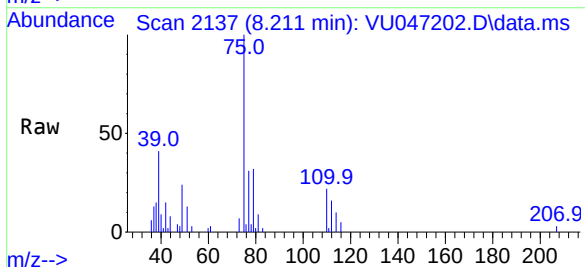
Acq: 17 Feb 2022 13:36

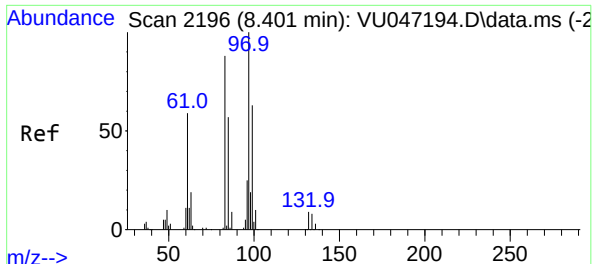
Tgt Ion: 75 Resp: 9777

Ion Ratio Lower Upper

75 100

77 30.6 23.0 42.8





#45

1,1,2-Trichloroethane

Concen: 2.291 ug/L

RT: 8.401 min Scan# 2196

Delta R.T. 0.000 min

Lab File: VU047202.D

Acq: 17 Feb 2022 13:36

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT1-2022-02

Tgt Ion: 97 Resp: 6265

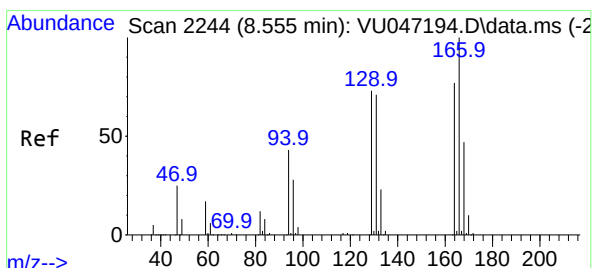
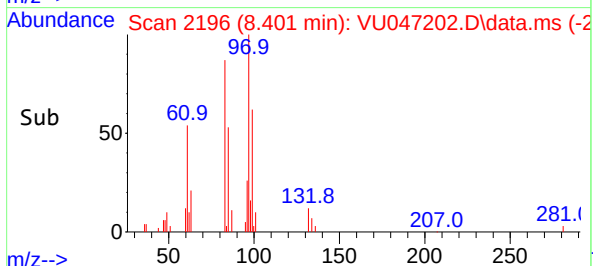
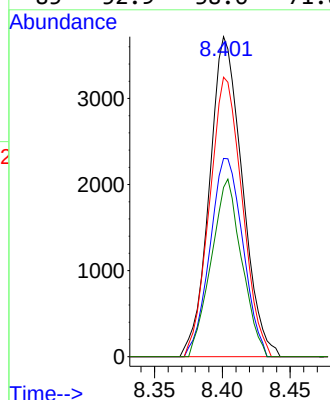
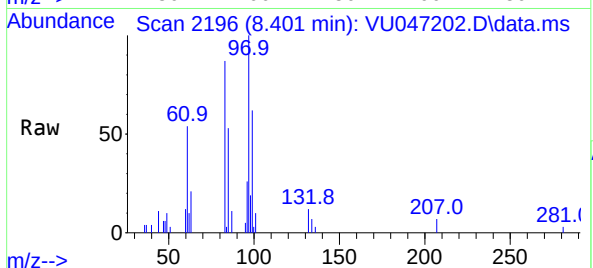
Ion Ratio Lower Upper

97 100

99 61.9 42.4 78.8

83 87.4 59.4 110.4

85 52.9 38.6 71.8



#46

Tetrachloroethene

Concen: 2.277 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU047202.D

Acq: 17 Feb 2022 13:36

Tgt Ion:164 Resp: 5156

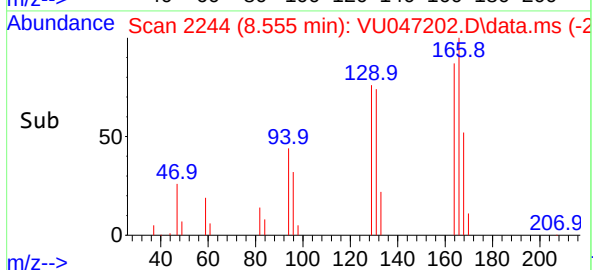
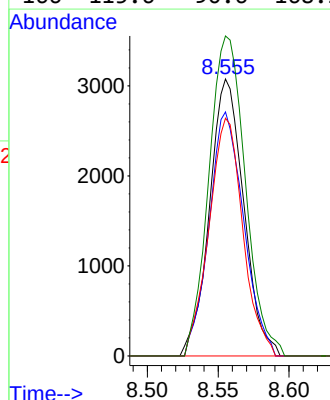
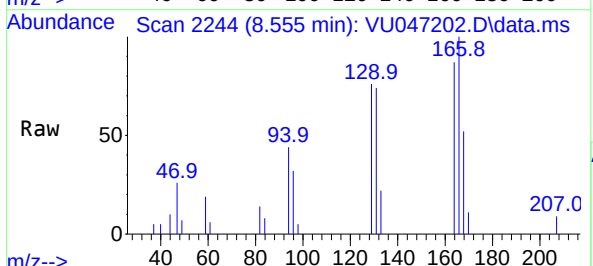
Ion Ratio Lower Upper

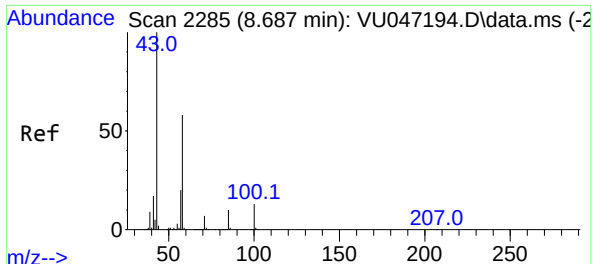
164 100

129 88.1 69.5 129.1

131 85.9 67.0 124.4

166 115.6 90.6 168.2





#48

2-Hexanone

Concen: 9.194 ug/L

RT: 8.690 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU047202.D

Acq: 17 Feb 2022 13:36

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT1-2022-02

Tgt Ion: 43 Resp: 34952

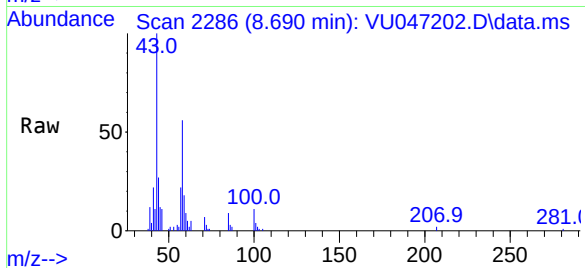
Ion Ratio Lower Upper

43 100

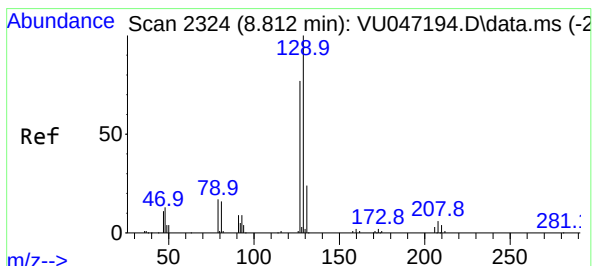
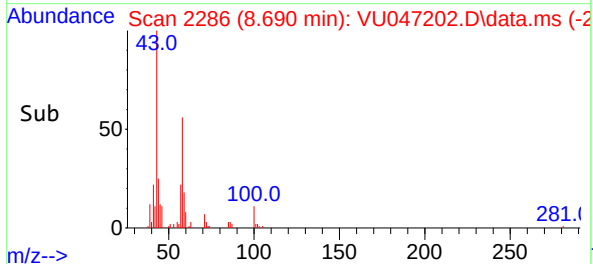
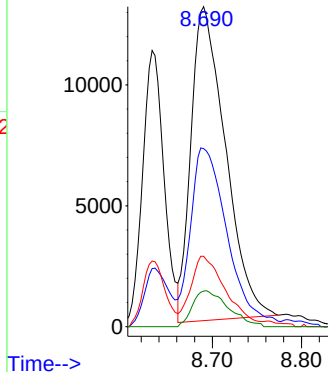
58 55.8 49.4 74.2

57 20.5 17.5 26.3

100 11.9 12.3 18.5#



Abundance



#49

Dibromochloromethane

Concen: 2.048 ug/L

RT: 8.812 min Scan# 2324

Delta R.T. 0.000 min

Lab File: VU047202.D

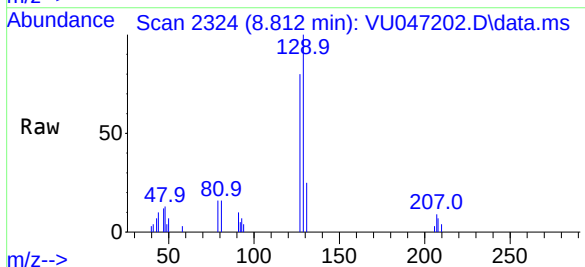
Acq: 17 Feb 2022 13:36

Tgt Ion: 129 Resp: 6479

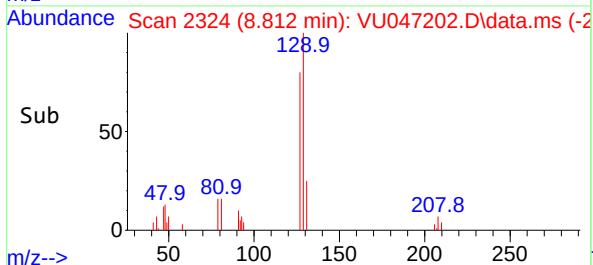
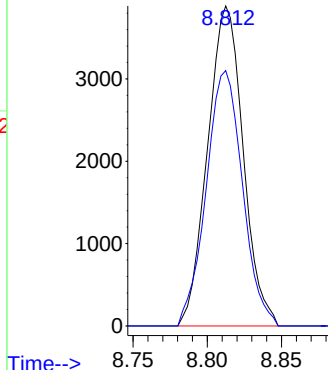
Ion Ratio Lower Upper

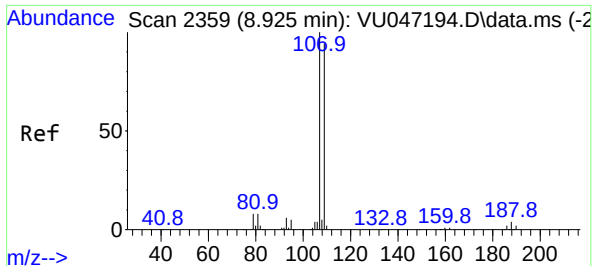
129 100

127 79.8 54.5 101.3



Abundance

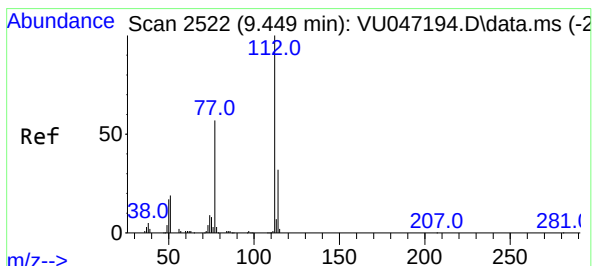
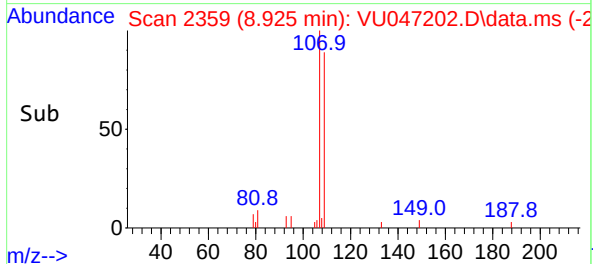
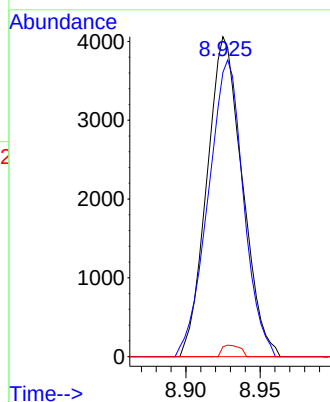
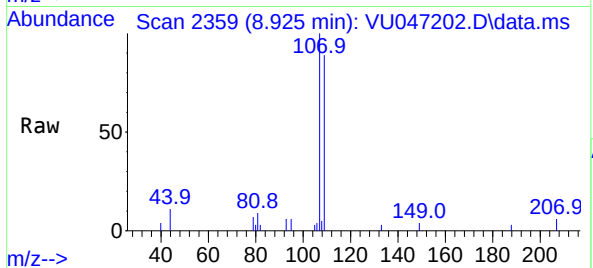




#50
1,2-Dibromoethane
Concen: 2.219 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

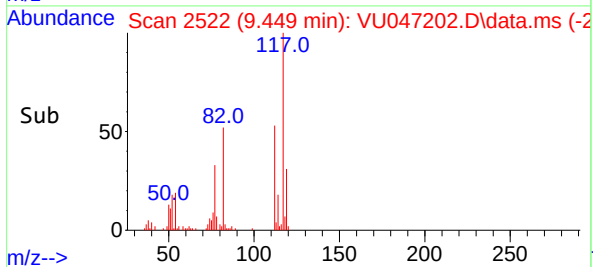
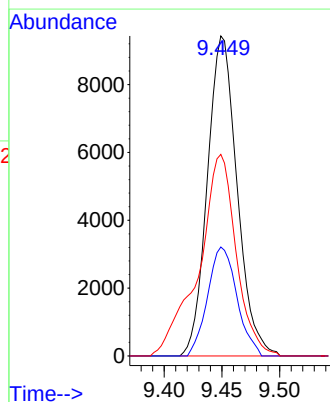
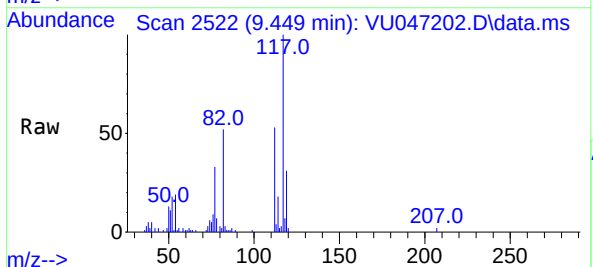
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02

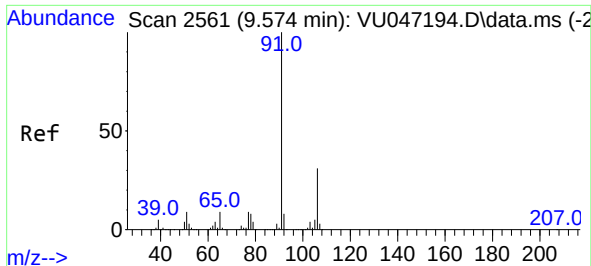
Tgt Ion:107 Resp: 6741
Ion Ratio Lower Upper
107 100
109 88.8 65.6 121.8
188 3.1 3.1 4.7#



#51
Chlorobenzene
Concen: 2.214 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

Tgt Ion:112 Resp: 16901
Ion Ratio Lower Upper
112 100
114 34.1 22.1 41.1
77 63.0 46.5 69.7

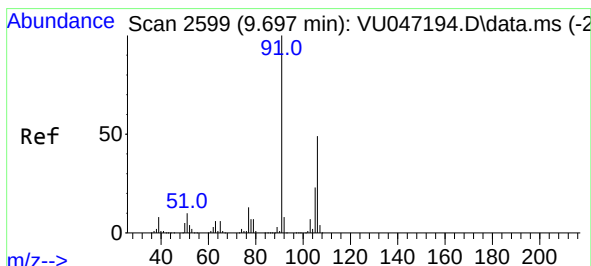
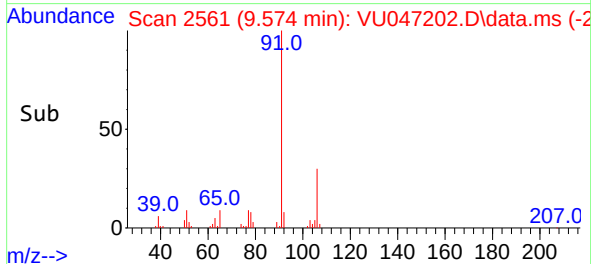
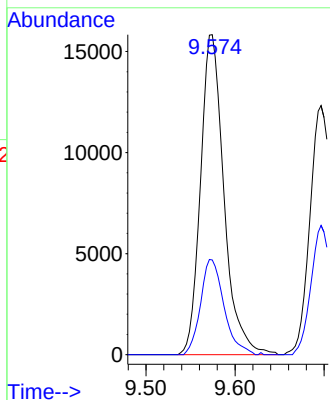
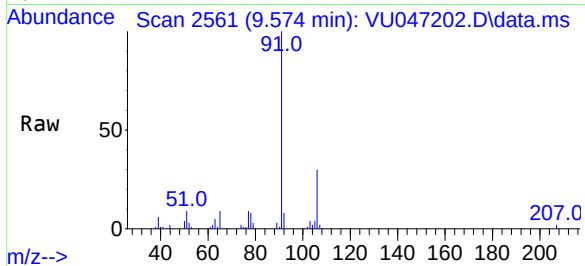




#52
Ethylbenzene
Concen: 2.224 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

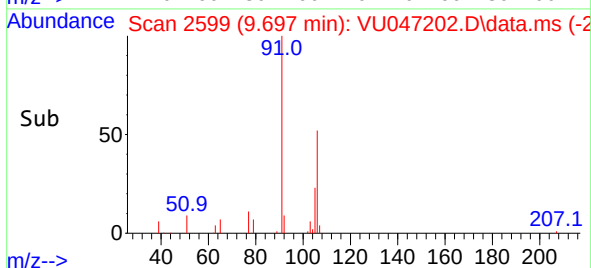
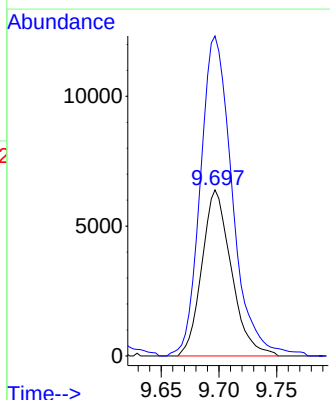
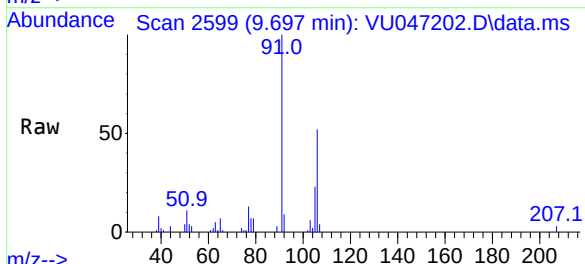
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02

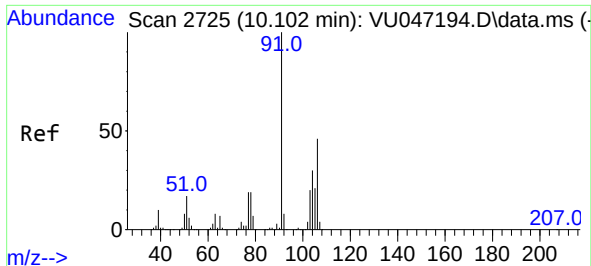
Tgt Ion: 91 Resp: 28980
Ion Ratio Lower Upper
91 100
106 29.6 21.8 40.4



#53
m,p-Xylene
Concen: 2.196 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

Tgt Ion: 106 Resp: 11350
Ion Ratio Lower Upper
106 100
91 192.7 145.5 270.1

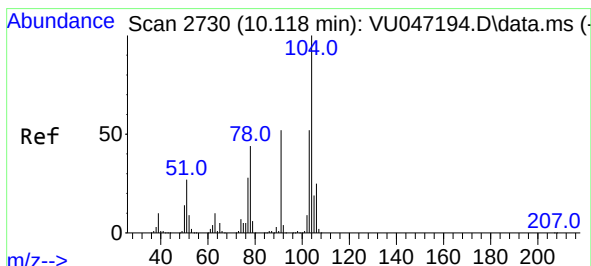
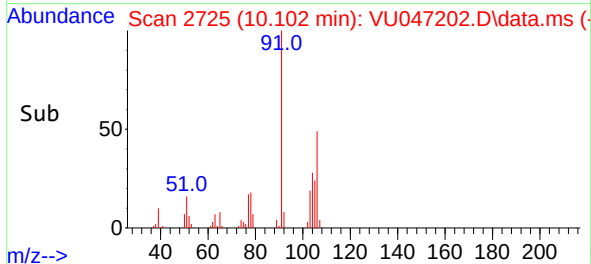
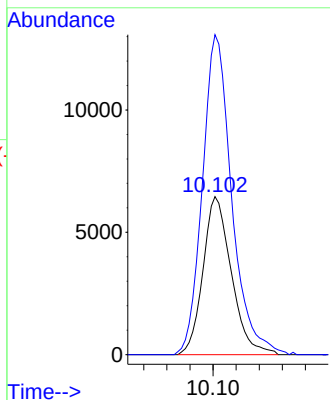
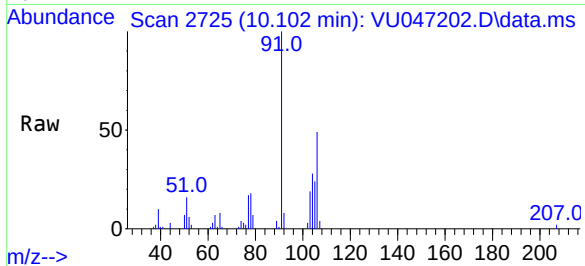




#54
o-xylene
Concen: 2.162 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

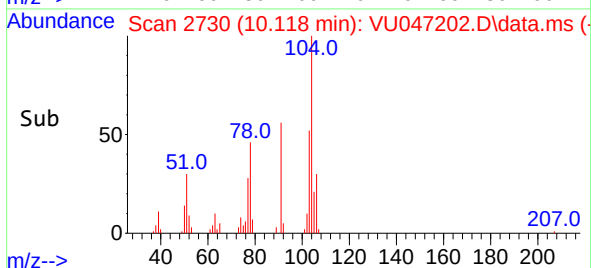
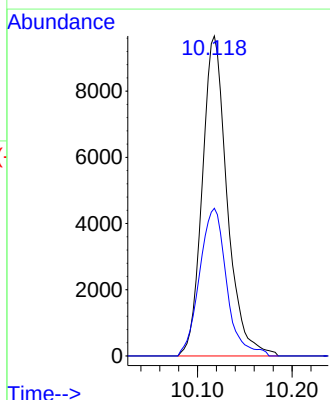
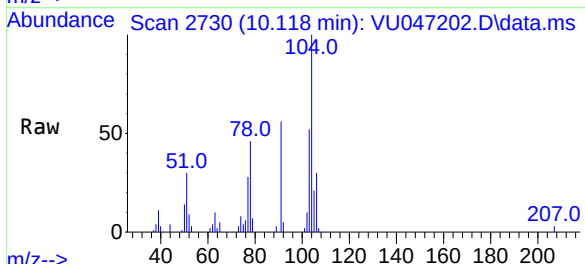
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02

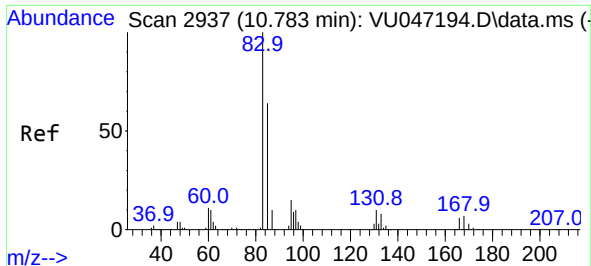
Tgt Ion:106 Resp: 11003
Ion Ratio Lower Upper
106 100
91 202.3 152.0 282.2



#55
Styrene
Concen: 2.020 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

Tgt Ion:104 Resp: 17688
Ion Ratio Lower Upper
104 100
78 46.1 32.6 60.6

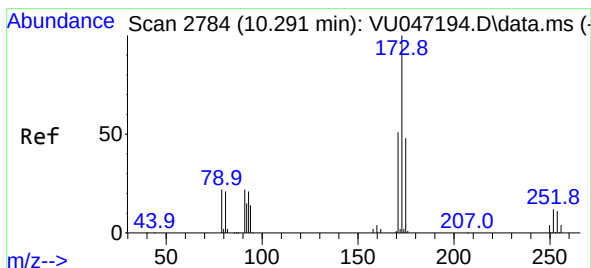
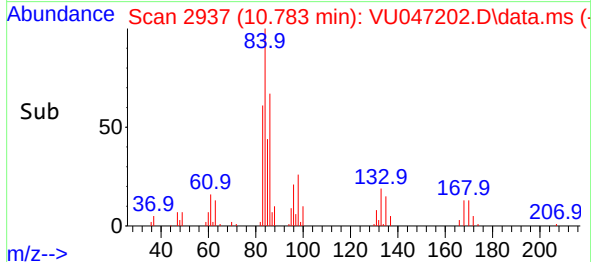
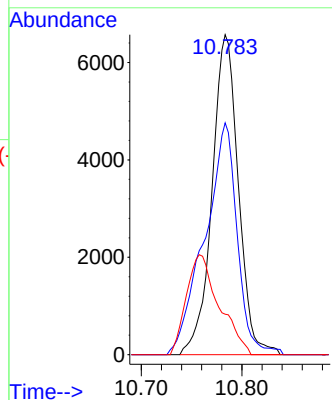
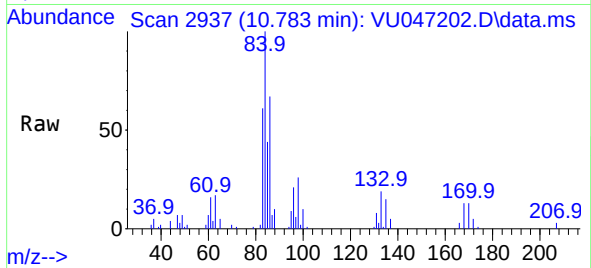




#57
1,1,2,2-Tetrachloroethane
Concen: 2.481 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

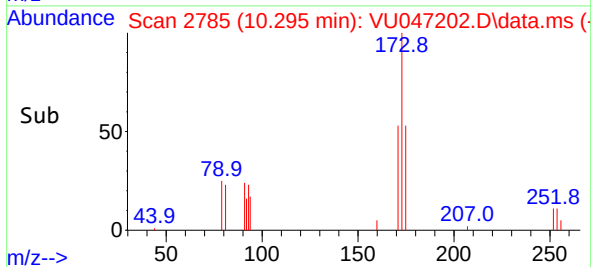
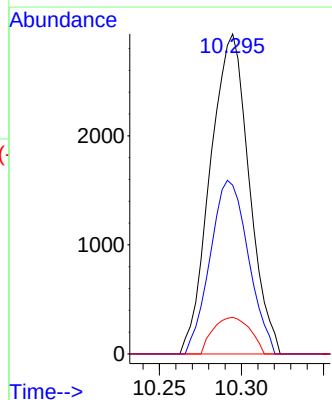
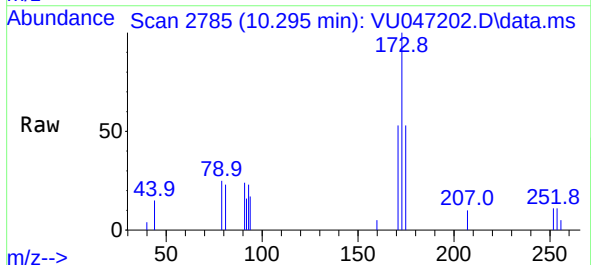
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT1-2022-02

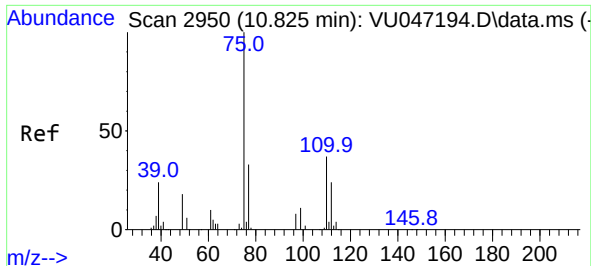
Tgt Ion: 83 Resp: 11958
Ion Ratio Lower Upper
83 100
85 72.4 44.7 83.1
131 12.6 7.8 11.6#



#59
Bromoform
Concen: 1.862 ug/L
RT: 10.295 min Scan# 2785
Delta R.T. 0.003 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

Tgt Ion:173 Resp: 4815
Ion Ratio Lower Upper
173 100
175 53.4 37.6 56.4
254 10.9 8.1 12.1

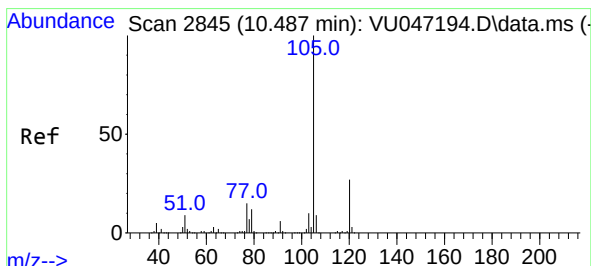
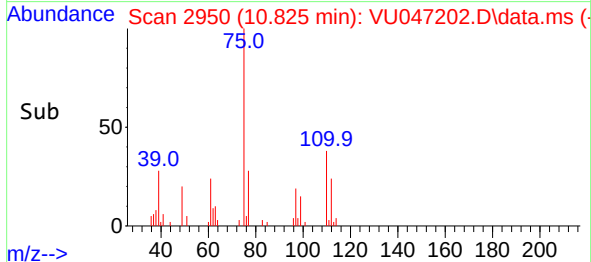
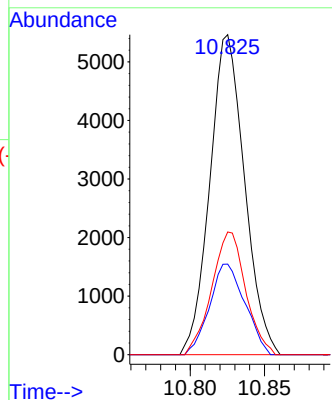
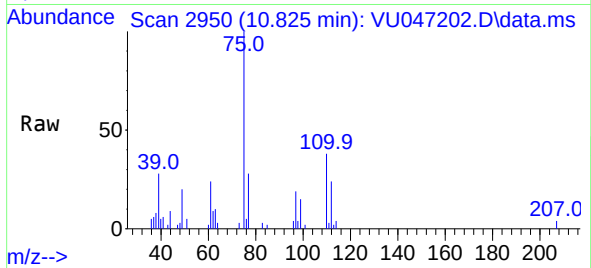




#60
1,2,3-Trichloropropane
Concen: 2.187 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

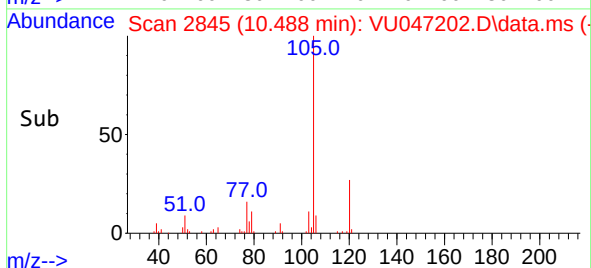
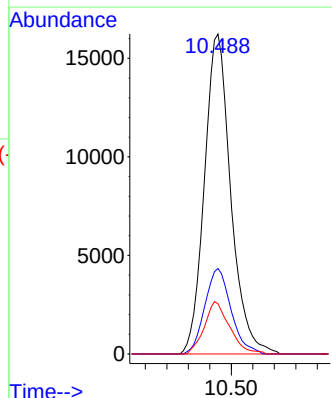
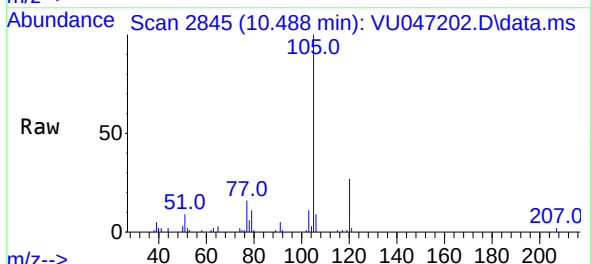
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT1-2022-02

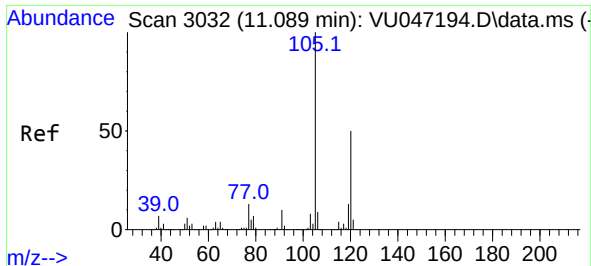
Tgt Ion: 75	Resp: 8882
Ion Ratio	Lower Upper
75 100	
77 28.8	26.2 39.2
110 37.5	32.5 48.7



#61
Isopropylbenzene
Concen: 2.063 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

Tgt Ion: 105	Resp: 27621
Ion Ratio	Lower Upper
105 100	
120 26.5	20.6 31.0
77 15.7	12.6 18.8





#62

1,3,5-Trimethylbenzene

Concen: 2.011 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU047202.D

Acq: 17 Feb 2022 13:36

Instrument :

MSVOA_U

ClientSampleId :

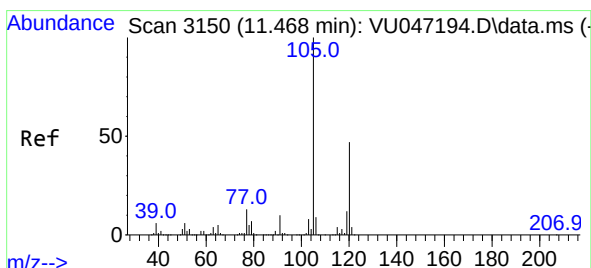
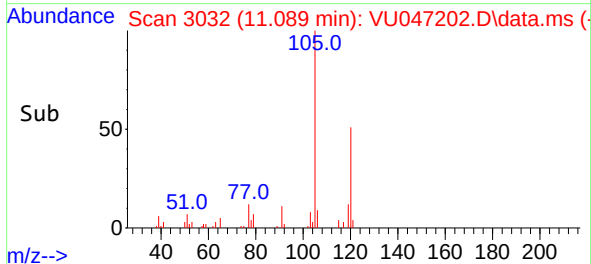
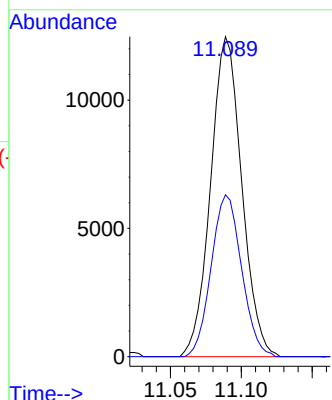
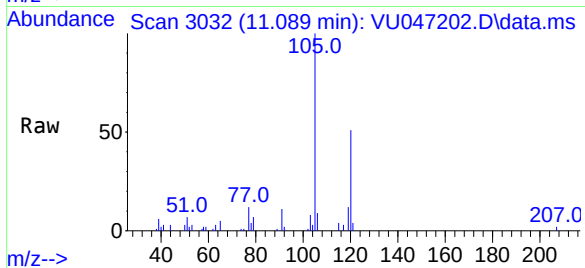
MDL-MED-SOIL-QT1-2022-02

Tgt Ion:105 Resp: 19090

Ion Ratio Lower Upper

105 100

120 49.3 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 2.055 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU047202.D

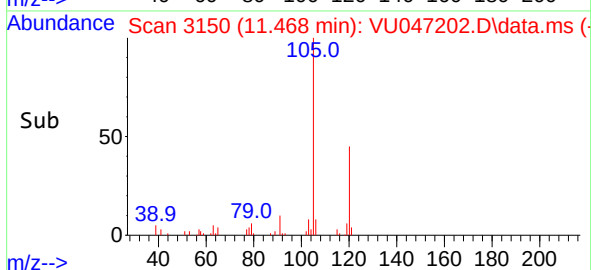
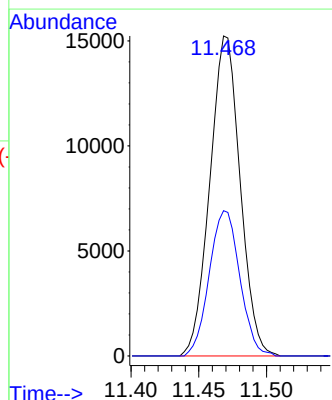
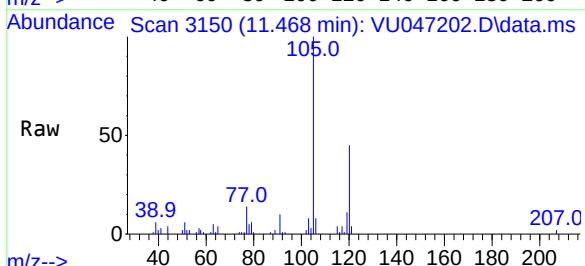
Acq: 17 Feb 2022 13:36

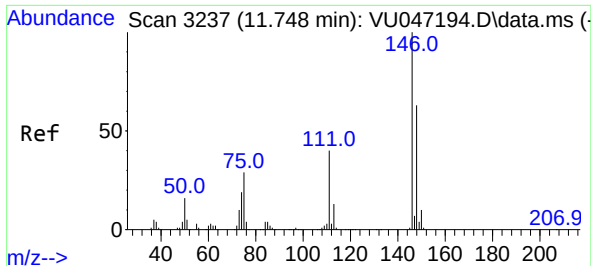
Tgt Ion:105 Resp: 23677

Ion Ratio Lower Upper

105 100

120 45.7 35.4 53.2

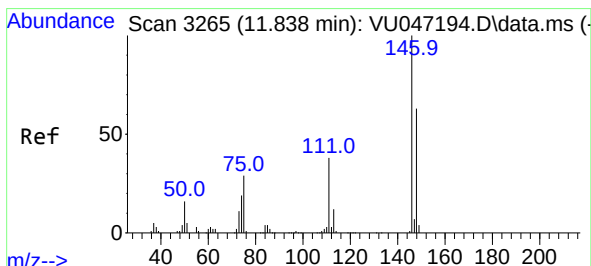
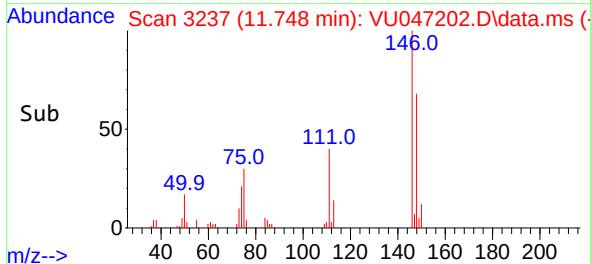
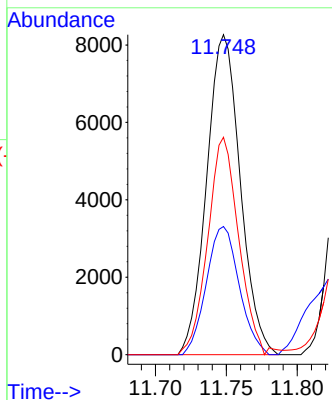
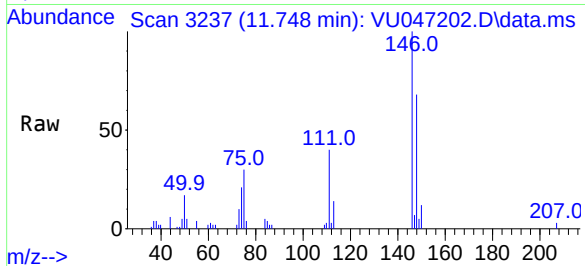




#64
1,3-Dichlorobenzene
Concen: 2.181 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

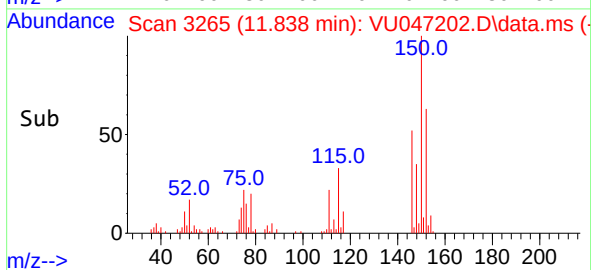
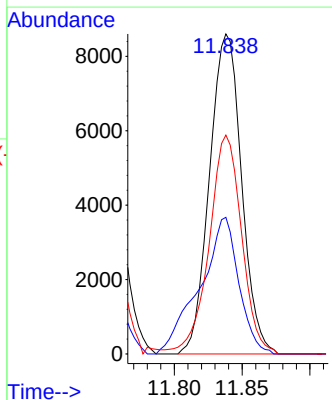
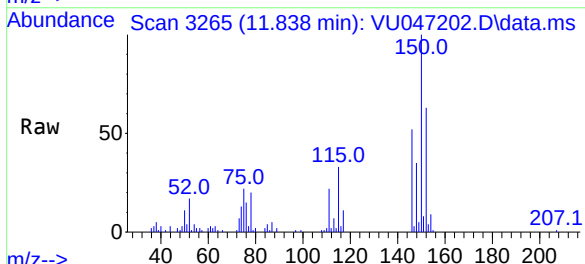
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02

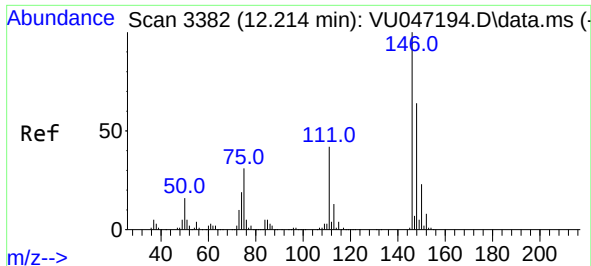
Tgt Ion:	146	Resp:	13630
Ion	Ratio	Lower	Upper
146	100		
111	40.1	29.4	54.6
148	68.0	45.8	85.2



#65
1,4-Dichlorobenzene
Concen: 2.253 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

Tgt Ion:	146	Resp:	14151
Ion	Ratio	Lower	Upper
146	100		
111	42.7	28.9	53.7
148	68.4	44.5	82.7





#67

1,2-Dichlorobenzene

Concen: 2.238 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU047202.D

Acq: 17 Feb 2022 13:36

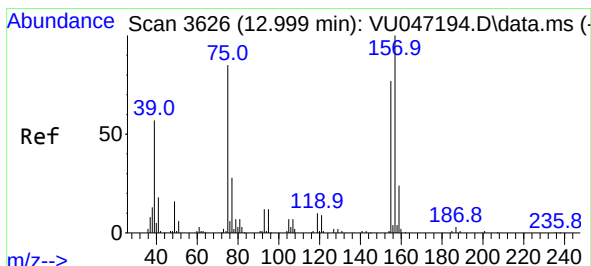
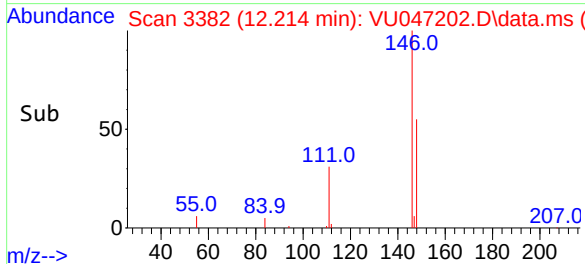
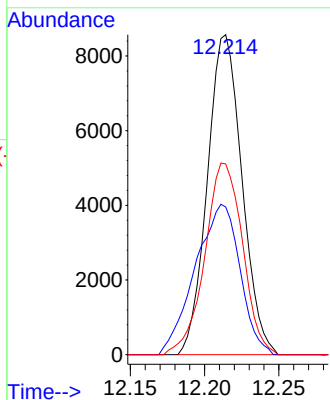
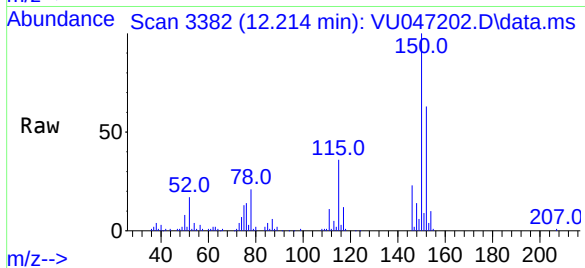
Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion:	146	Resp:	13914
Ion	Ratio	Lower	Upper
146	100		
111	46.2	34.2	51.4
148	59.6	51.3	76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 1.977 ug/L

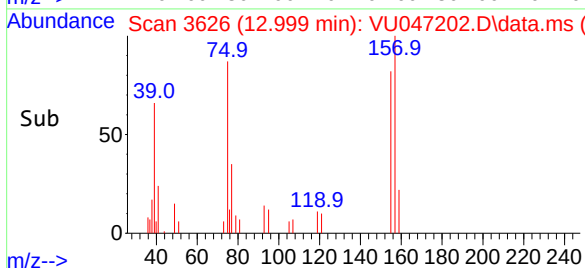
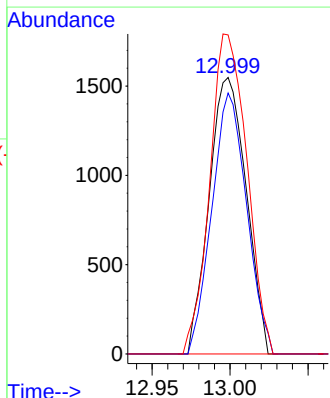
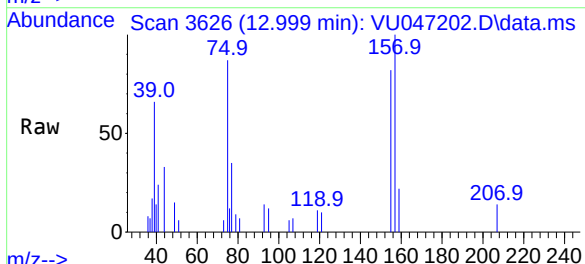
RT: 12.999 min Scan# 3626

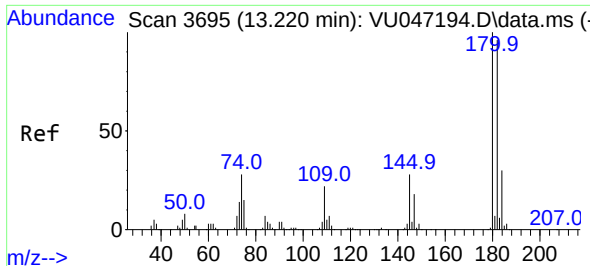
Delta R.T. 0.000 min

Lab File: VU047202.D

Acq: 17 Feb 2022 13:36

Tgt Ion:	75	Resp:	2558
Ion	Ratio	Lower	Upper
75	100		
155	94.4	65.0	97.4
157	115.4	79.7	119.5

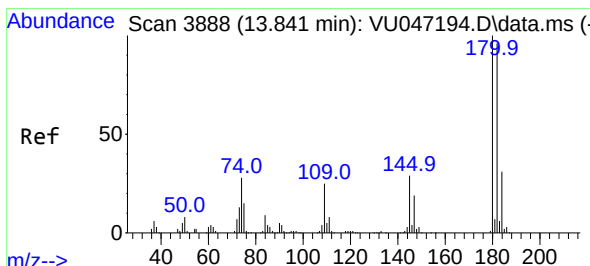
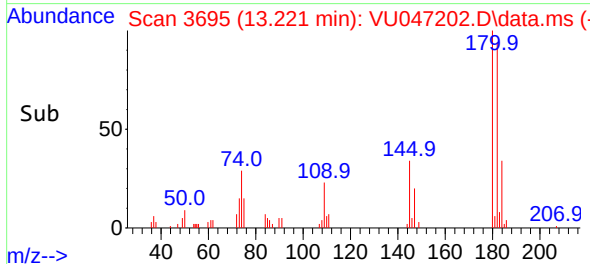
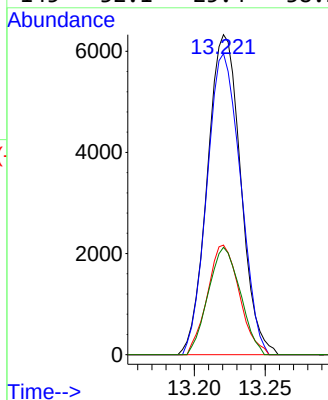
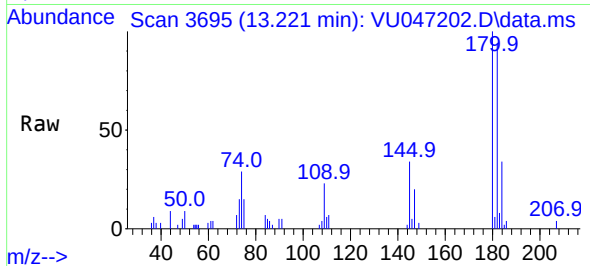




#69
1,3,5-Trichlorobenzene
Concen: 2.146 ug/L
RT: 13.221 min Scan# 30
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

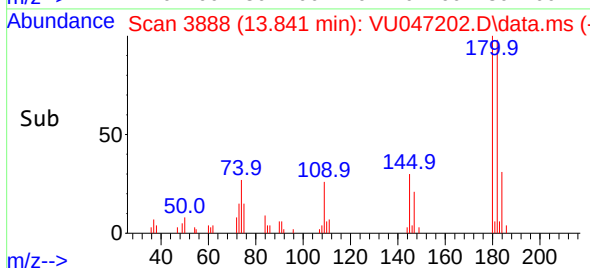
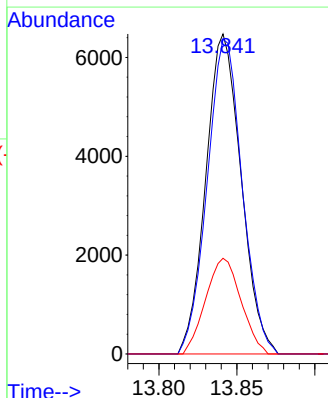
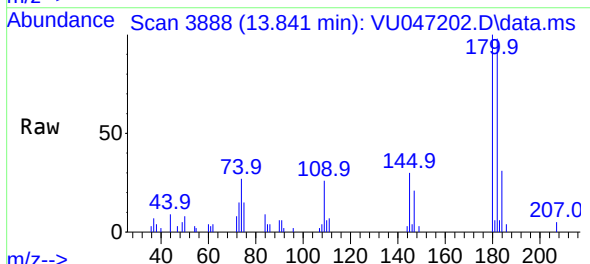
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02

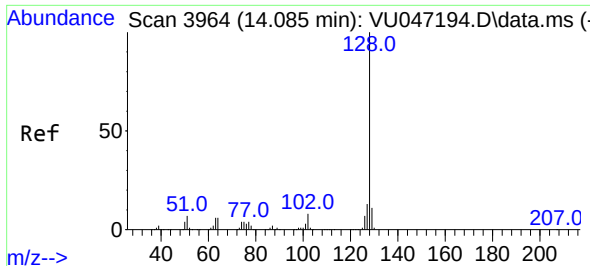
Tgt Ion:	180	Resp:	10371
Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.0	115.6
184	32.8	24.7	37.1
145	32.1	25.4	38.2



#70
1,2,4-trichlorobenzene
Concen: 2.223 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

Tgt Ion:	180	Resp:	10184
Ion	Ratio	Lower	Upper
180	100		
182	97.6	76.6	114.8
145	29.9	25.2	37.8

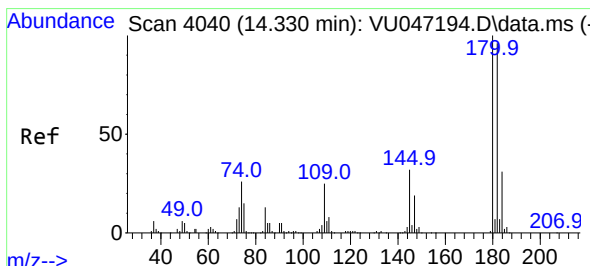
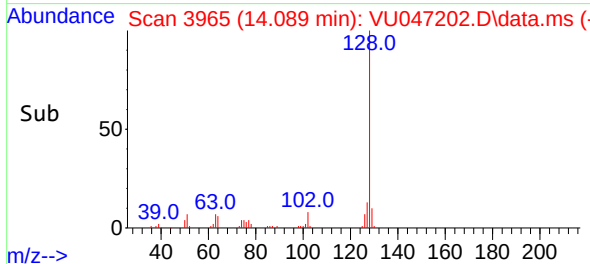
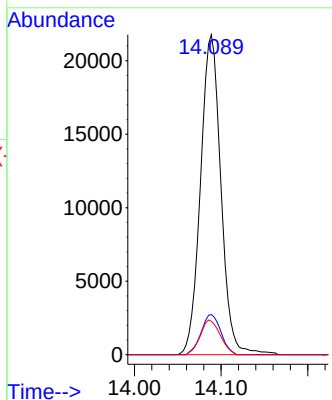
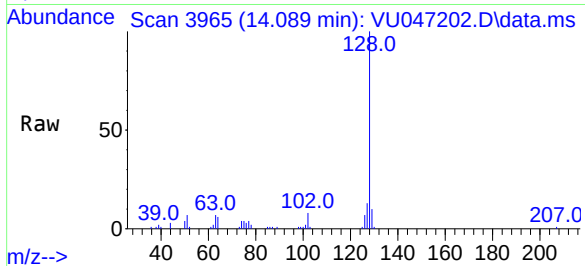




#71
Naphthalene
Concen: 2.199 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02

Tgt Ion:	128	Resp:	35655
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.1	15.1
129	10.6	8.8	13.2



#72
1,2,3-Trichlorobenzene
Concen: 2.339 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU047202.D
Acq: 17 Feb 2022 13:36

Tgt Ion:	180	Resp:	10669
Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.6	115.0
145	28.9	27.4	41.2

