

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061225\
 Data File : VU063394.D
 Acq On : 12 Jun 2025 12:13
 Operator : MD/SY
 Sample : Q2117-06
 Misc : 5.00g/5.0mL/100uL/5mL/MSVOA_U/MEOH/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2025-04

Quant Time: Jun 16 08:41:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 16 08:39:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	132637	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	141717	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	64721	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	46426	46.366	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.740%
7) Chloroethane-d5	1.901	69	46552	47.776	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.560%
11) 1,1-Dichloroethene-d2	2.554	63	65029	34.180	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.360%
21) 2-Butanone-d5	4.615	46	93766	107.918	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.920%
24) Chloroform-d	5.052	84	103112	48.445	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.880%
26) 1,2-Dichloroethane-d4	5.692	65	66555	51.058	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.120%
32) Benzene-d6	5.718	84	199541	46.554	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.100%
36) 1,2-Dichloropropane-d6	6.682	67	71035	48.863	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.720%
41) Toluene-d8	7.891	98	168612	44.832	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.660%
43) trans-1,3-Dichloroprop...	8.174	79	27299	46.664	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.320%
47) 2-Hexanone-d5	8.627	63	51320	95.083	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.080%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	106627	48.023	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.040%
66) 1,2-Dichlorobenzene-d4	12.187	152	63168	53.343	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	3231	2.535	ug/L	97
3) Chloromethane	1.522	50	3791	2.633	ug/L	92
5) Vinyl chloride	1.599	62	4623	2.920	ug/L	86
6) Bromomethane	1.846	94	2373	2.663	ug/L	91
8) Chloroethane	1.923	64	2894	2.922	ug/L	99
9) Trichlorofluoromethane	2.129	101	5136	2.755	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	3303	2.973	ug/L #	83
12) 1,1-Dichloroethene	2.567	96	2989	3.023	ug/L #	1
13) Acetone	2.624	43	3709	5.633	ug/L	99
14) Carbon disulfide	2.782	76	8554	2.620	ug/L	100
15) Methyl Acetate	2.952	43	3046	2.230	ug/L #	100
17) trans-1,2-Dichloroethene	3.348	96	2722	2.562	ug/L	91
18) Methyl tert-butyl Ether	3.354	73	7256	2.276	ug/L #	85
19) 1,1-Dichloroethane	3.866	63	5536	2.489	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	3213	2.660	ug/L	86
23) Bromochloromethane	4.972	128	1642	2.544	ug/L	86
25) Chloroform	5.078	83	6320	2.848	ug/L	95
27) 1,2-Dichloroethane	5.791	62	4637	2.664	ug/L #	92
29) Cyclohexane	5.380	56	3758	1.998	ug/L	89

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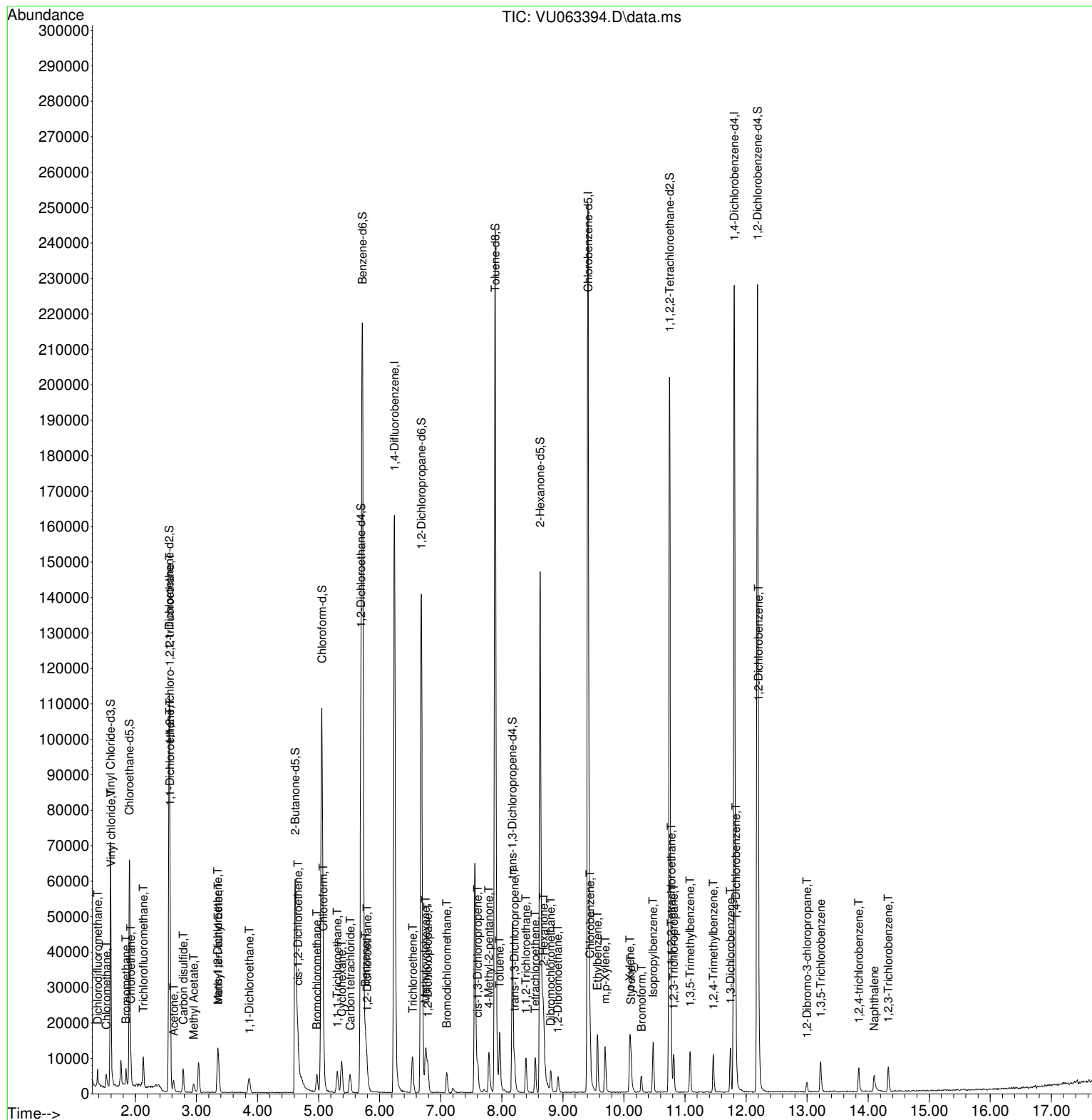
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	5.303	97	4228	2.363	ug/L	94
31) Carbon tetrachloride	5.518	117	3628	2.411	ug/L	100
33) Benzene	5.769	78	12307	2.499	ug/L	100
34) Trichloroethene	6.541	95	3495	2.761	ug/L	82
35) Methylcyclohexane	6.753	83	4232	2.260	ug/L	93
37) 1,2-Dichloropropane	6.788	63	3450	2.362	ug/L #	89
38) Bromodichloromethane	7.097	83	4318	2.506	ug/L #	98
39) cis-1,3-Dichloropropene	7.605	75	4608	2.327	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	8513	4.698	ug/L	96
42) Toluene	7.965	91	12442	2.418	ug/L	94
44) trans-1,3-Dichloropropene	8.206	75	4711	2.542	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	3459	2.587	ug/L	93
46) Tetrachloroethene	8.547	164	2444	2.612	ug/L	89
48) 2-Hexanone	8.685	43	12057	8.532	ug/L #	94
49) Dibromochloromethane	8.801	129	2910	2.294	ug/L	89
50) 1,2-Dibromoethane	8.917	107	3554	2.601	ug/L #	98
51) Chlorobenzene	9.444	112	8416	2.523	ug/L	96
52) Ethylbenzene	9.566	91	11431	2.122	ug/L	97
53) m,p-Xylene	9.695	106	3868	1.940	ug/L	85
54) o-Xylene	10.097	106	4083	2.149	ug/L	69
55) Styrene	10.116	104	5982	1.833	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.775	83	6260	2.620	ug/L	93
59) Bromoform	10.286	173	2289	2.666	ug/L #	94
60) 1,2,3-Trichloropropane	10.814	75	4790	3.078	ug/L	95
61) Isopropylbenzene	10.479	105	9578	2.241	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	6796	2.057	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	6111	1.947	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	5357	2.525	ug/L	96
65) 1,4-Dichlorobenzene	11.833	146	5978	2.741	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	6043	2.821	ug/L	98
68) 1,2-Dibromo-3-chloropr...	13.000	75	1004	2.399	ug/L	94
69) 1,3,5-Trichlorobenzene	13.222	180	3623	2.522	ug/L #	67
70) 1,2,4-trichlorobenzene	13.846	180	3039	2.725	ug/L #	83
71) Naphthalene	14.097	128	4444	1.478	ug/L	96
72) 1,2,3-Trichlorobenzene	14.328	180	2661	2.410	ug/L #	90

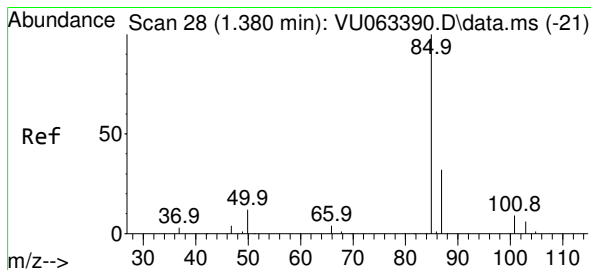
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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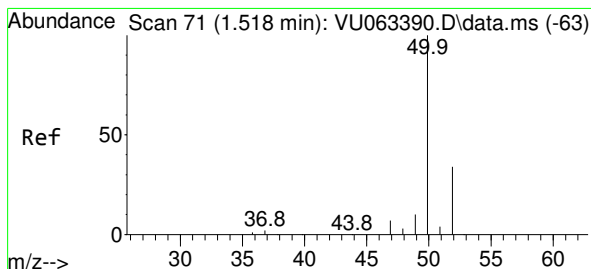
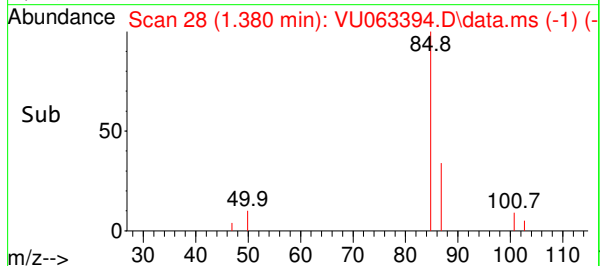
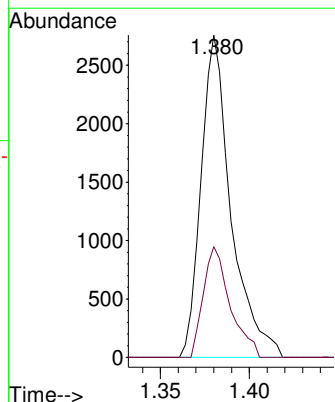
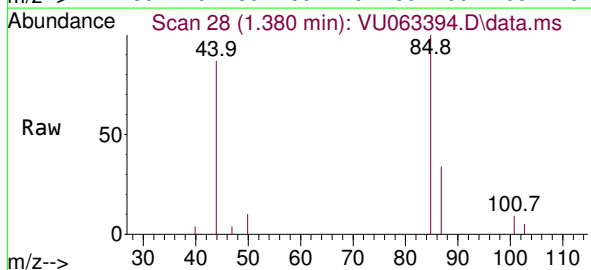




#2
Dichlorodifluoromethane
Concen: 2.535 ug/L
RT: 1.380 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

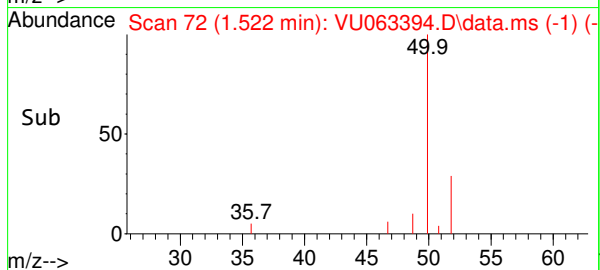
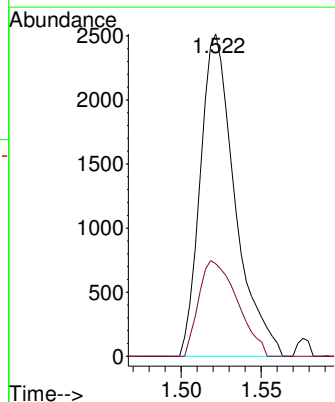
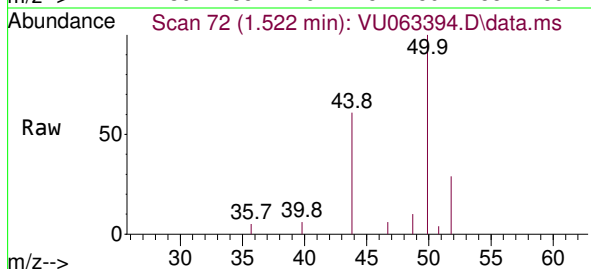
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2025-04

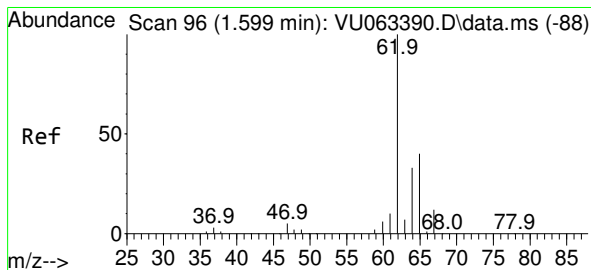
Tgt Ion: 85 Resp: 3231
Ion Ratio Lower Upper
85 100
87 30.7 25.8 38.6



#3
Chloromethane
Concen: 2.633 ug/L
RT: 1.522 min Scan# 72
Delta R.T. 0.003 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

Tgt Ion: 50 Resp: 3791
Ion Ratio Lower Upper
50 100
52 28.7 23.2 43.0





#5

Vinyl chloride

Concen: 2.920 ug/L

RT: 1.599 min Scan# 9

Delta R.T. 0.000 min

Lab File: VU063394.D

Acq: 12 Jun 2025 12:13

Instrument :

MSVOA_U

ClientSampleId :

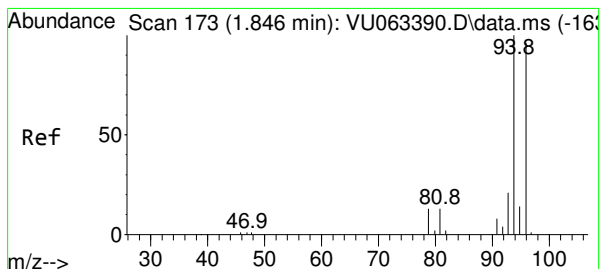
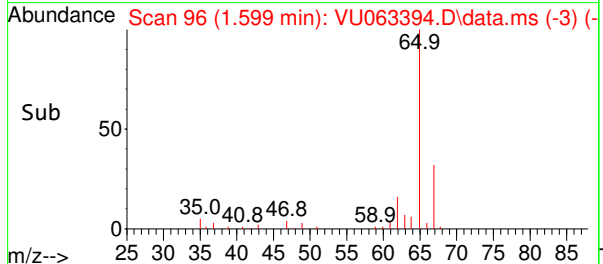
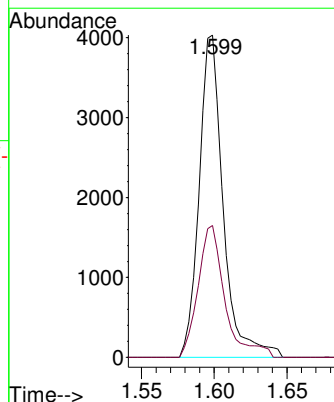
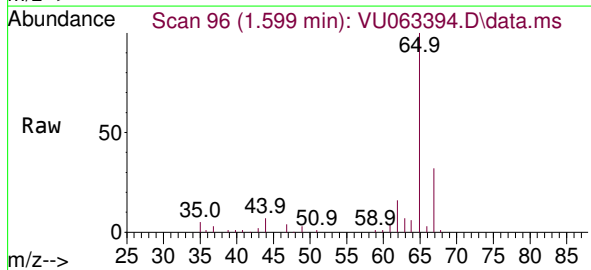
MDL-MED-SOIL-QT2-2025-04

Tgt Ion: 62 Resp: 4623

Ion Ratio Lower Upper

62 100

64 40.9 23.2 43.2



#6

Bromomethane

Concen: 2.663 ug/L

RT: 1.846 min Scan# 173

Delta R.T. 0.000 min

Lab File: VU063394.D

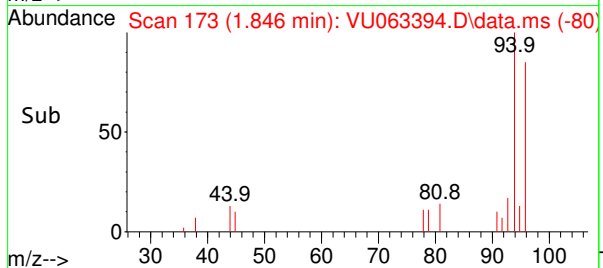
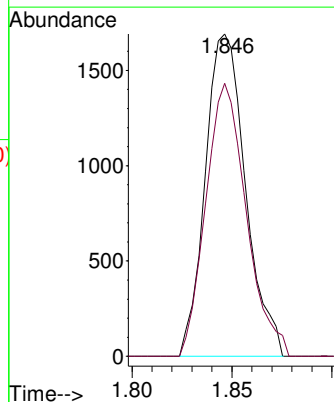
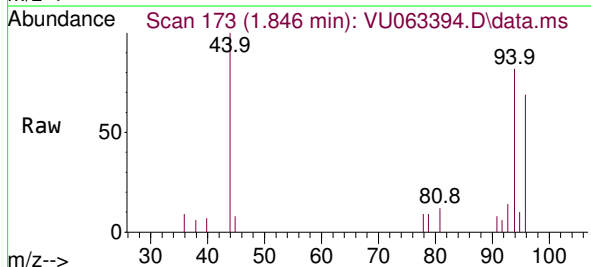
Acq: 12 Jun 2025 12:13

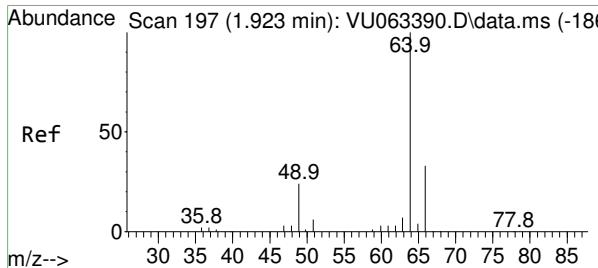
Tgt Ion: 94 Resp: 2373

Ion Ratio Lower Upper

94 100

96 84.7 65.2 121.2

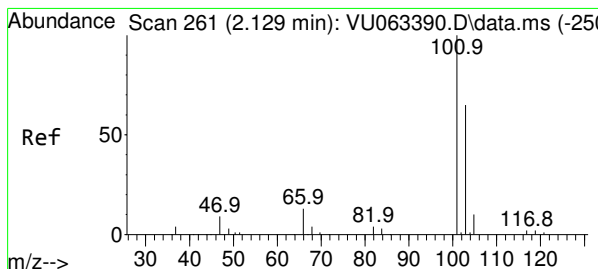
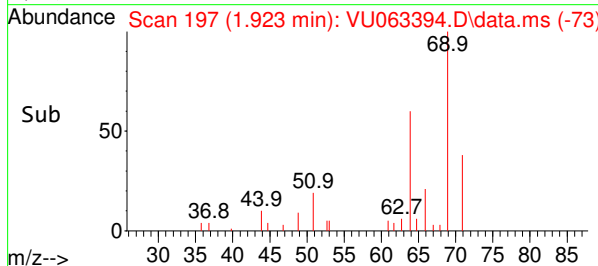
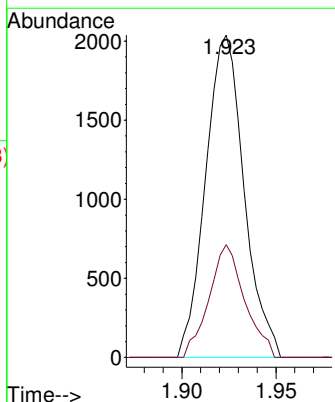
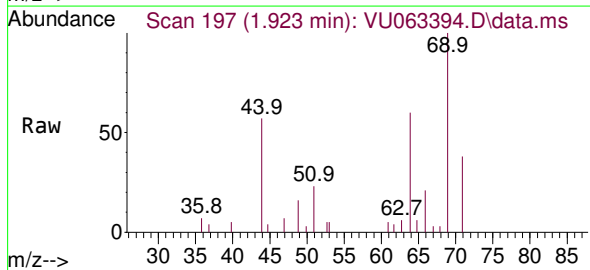




#8
Chloroethane
Concen: 2.922 ug/L
RT: 1.923 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

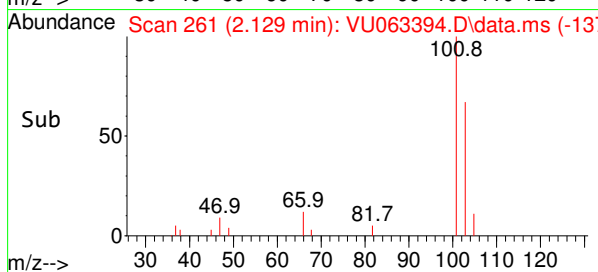
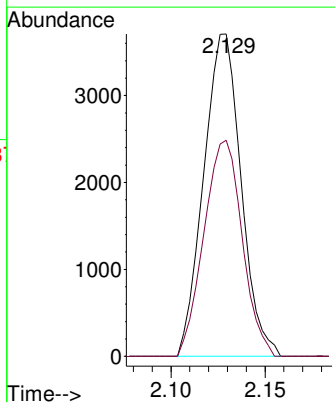
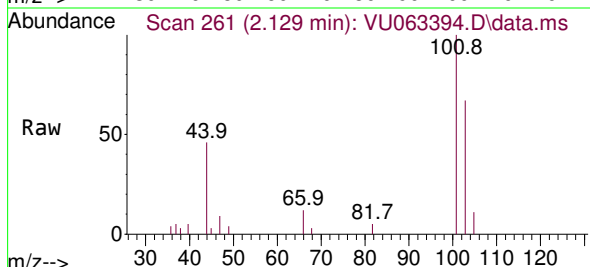
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2025-04

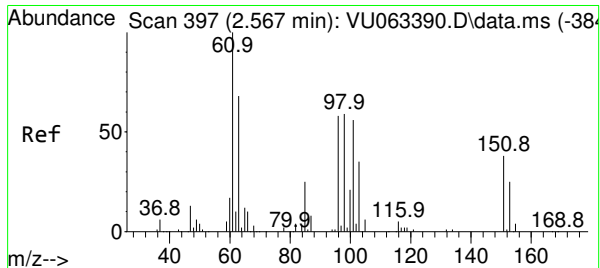
Tgt Ion: 64 Resp: 2894
Ion Ratio Lower Upper
64 100
66 32.0 22.0 41.0



#9
Trichlorofluoromethane
Concen: 2.755 ug/L
RT: 2.129 min Scan# 261
Delta R.T. 0.000 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

Tgt Ion:101 Resp: 5136
Ion Ratio Lower Upper
101 100
103 68.5 51.2 76.8

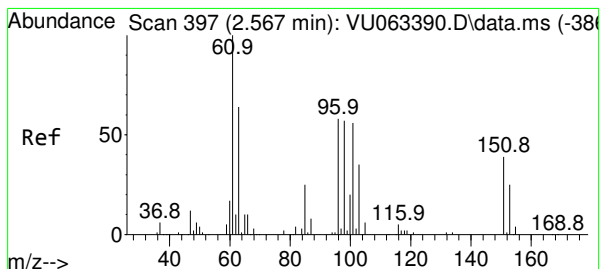
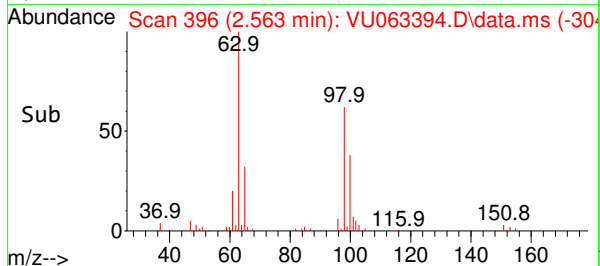
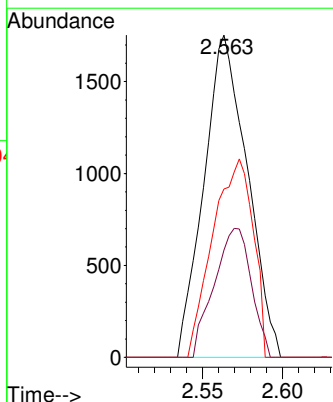
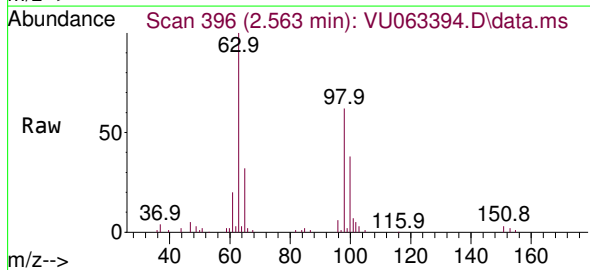




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.973 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.003 min
 Lab File: VU063394.D
 Acq: 12 Jun 2025 12:13

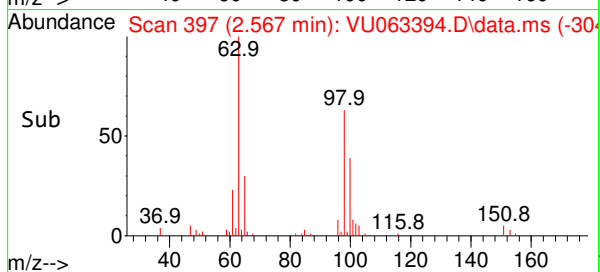
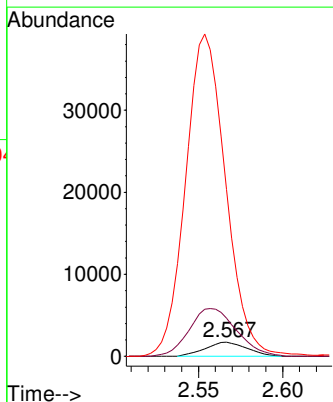
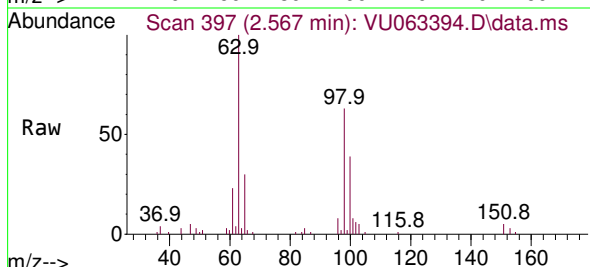
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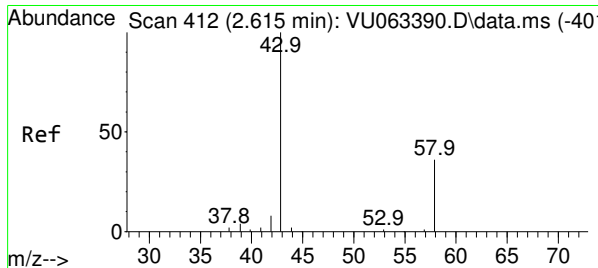
Tgt Ion:	101	Resp:	3303
Ion	Ratio	Lower	Upper
101	100		
85	34.5	36.5	54.7#
151	57.3	57.4	86.0#



#12
 1,1-Dichloroethene
 Concen: 3.023 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. 0.000 min
 Lab File: VU063394.D
 Acq: 12 Jun 2025 12:13

Tgt Ion:	96	Resp:	2989
Ion	Ratio	Lower	Upper
96	100		
61	271.2	121.9	226.5#
63	1187.6	93.2	173.0#

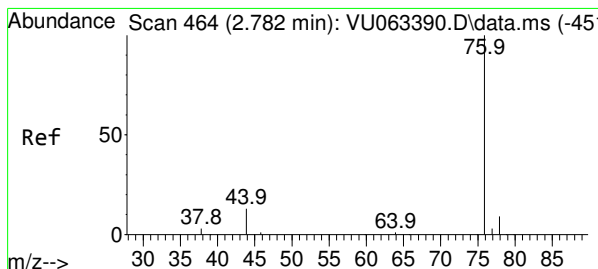
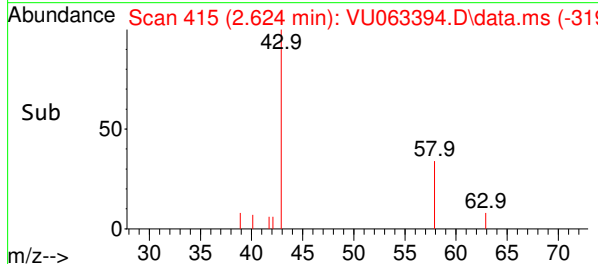
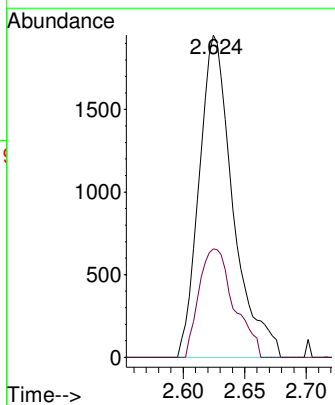
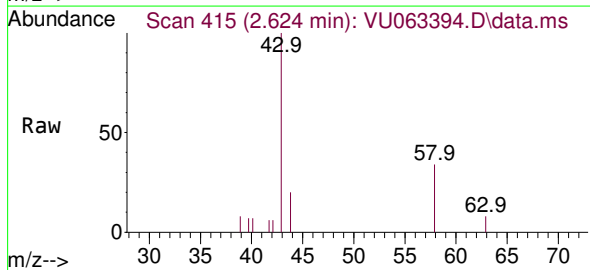




#13
Acetone
Concen: 5.633 ug/L
RT: 2.624 min Scan# 415
Delta R.T. 0.010 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

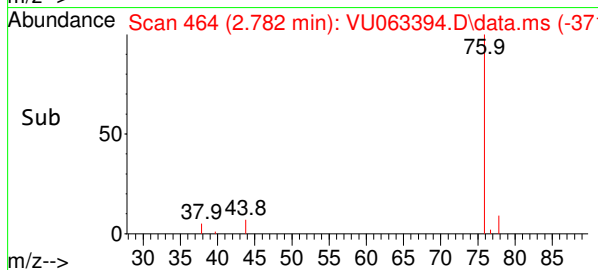
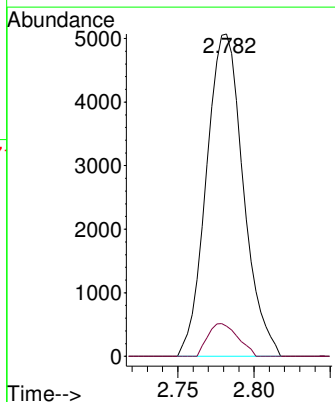
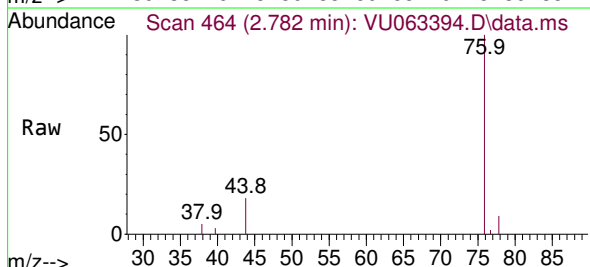
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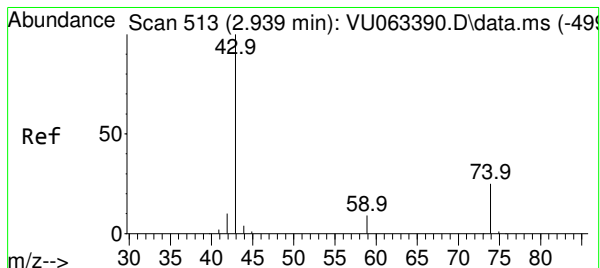
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Ion Ratio Lower Upper
43 100
58 34.9 0.0 68.4



#14
Carbon disulfide
Concen: 2.620 ug/L
RT: 2.782 min Scan# 464
Delta R.T. 0.000 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

Tgt Ion: 76 Resp: 8554
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2





#15

Methyl Acetate

Concen: 2.230 ug/L

RT: 2.952 min Scan# 513

Delta R.T. 0.013 min

Lab File: VU063394.D

Acq: 12 Jun 2025 12:13

Instrument :

MSVOA_U

ClientSampleId :

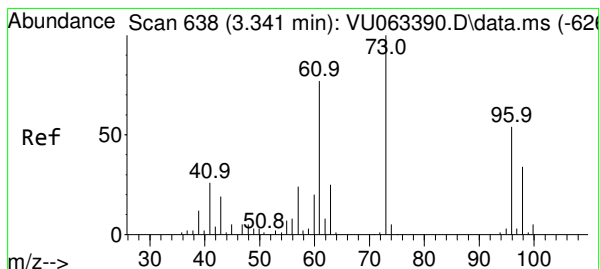
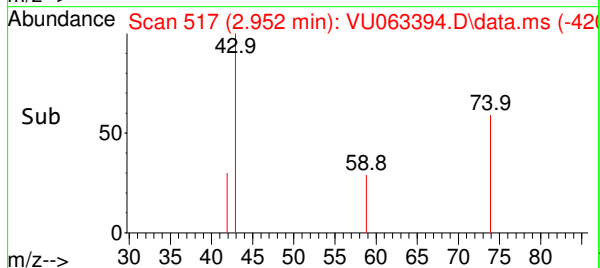
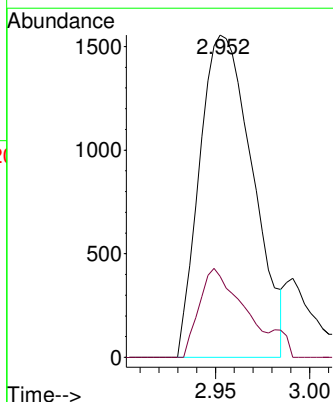
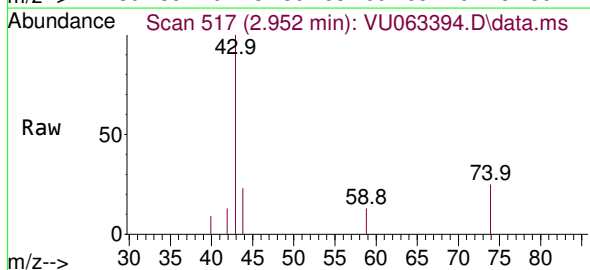
MDL-MED-SOIL-QT2-2025-04

Tgt Ion: 43 Resp: 3046

Ion Ratio Lower Upper

43 100

74 22.7 0.0 0.0#



#17

trans-1,2-Dichloroethene

Concen: 2.562 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.006 min

Lab File: VU063394.D

Acq: 12 Jun 2025 12:13

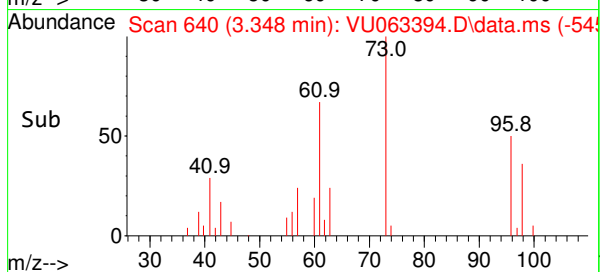
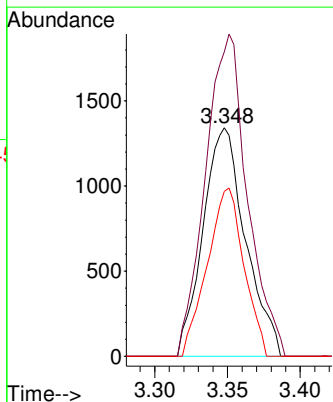
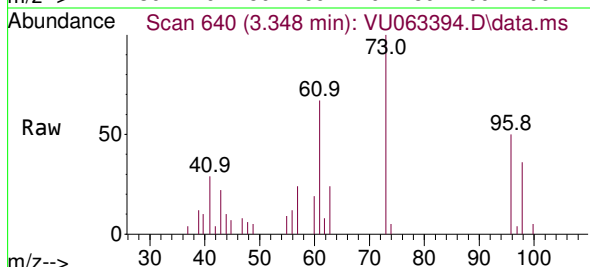
Tgt Ion: 96 Resp: 2722

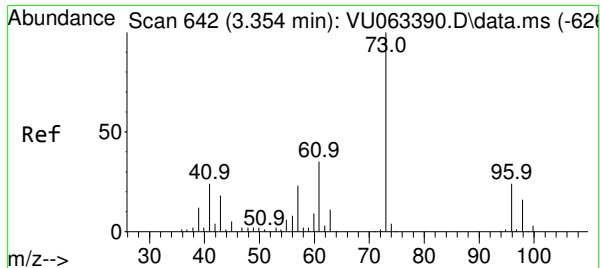
Ion Ratio Lower Upper

96 100

61 133.1 100.1 185.9

98 72.1 44.2 82.0

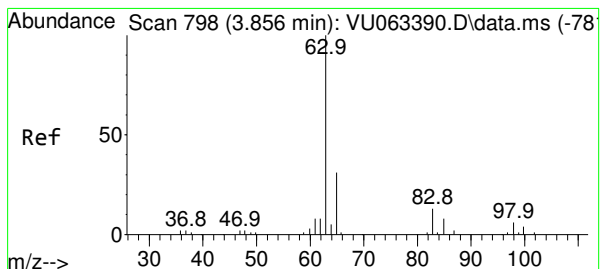
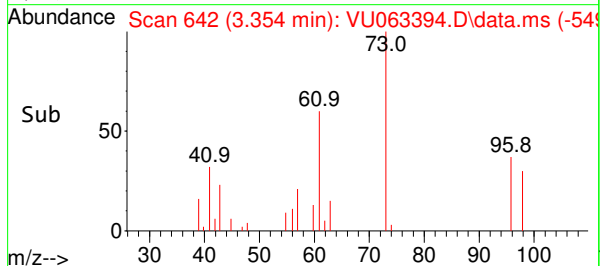
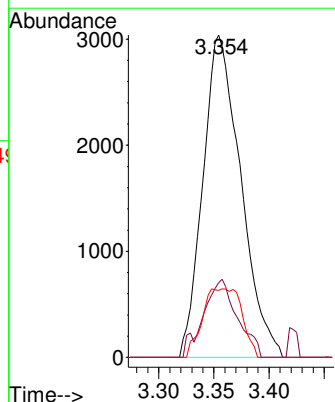
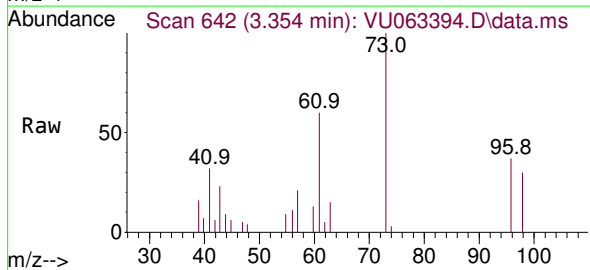




#18
Methyl tert-butyl Ether
Concen: 2.276 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

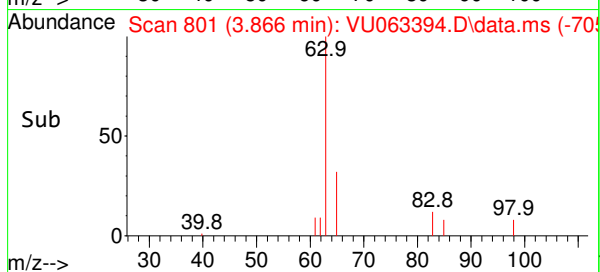
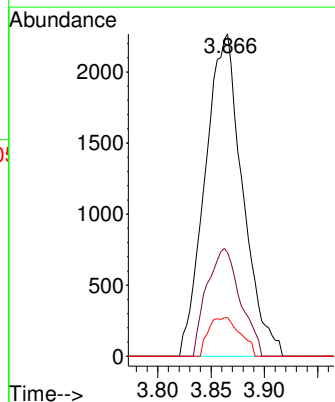
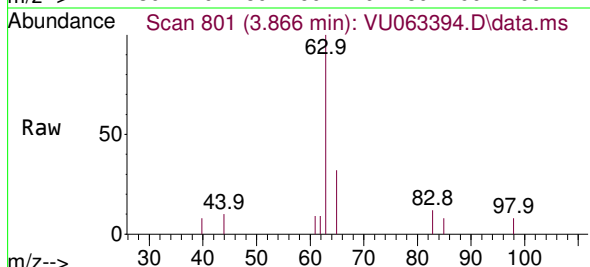
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2025-04

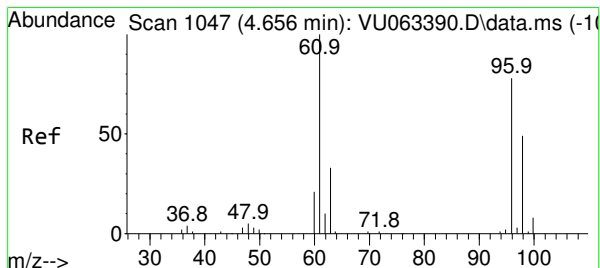
Tgt Ion:	73	Resp:	7256
Ion	Ratio	Lower	Upper
73	100		
43	20.2	15.4	23.2
57	10.1	18.3	27.5#



#19
1,1-Dichloroethane
Concen: 2.489 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.010 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

Tgt Ion:	63	Resp:	5536
Ion	Ratio	Lower	Upper
63	100		
65	32.2	21.9	40.7
83	12.0	9.0	16.6

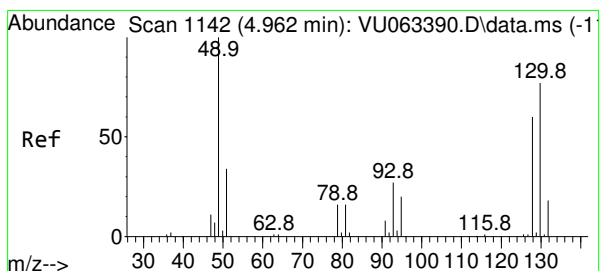
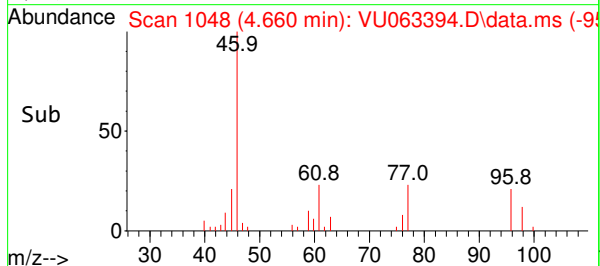
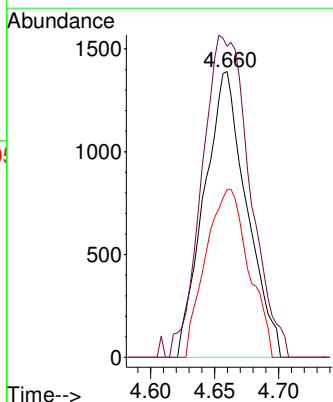
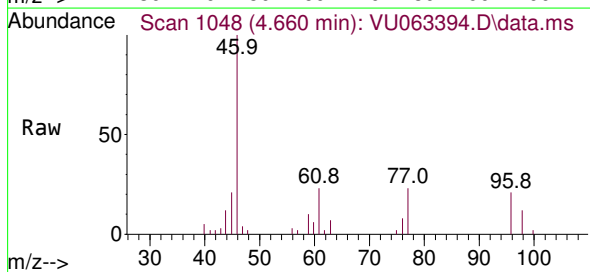




#20
cis-1,2-Dichloroethene
Concen: 2.660 ug/L
RT: 4.660 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

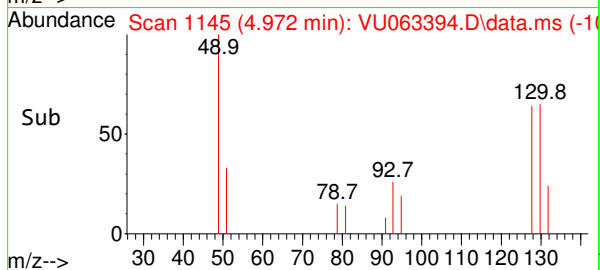
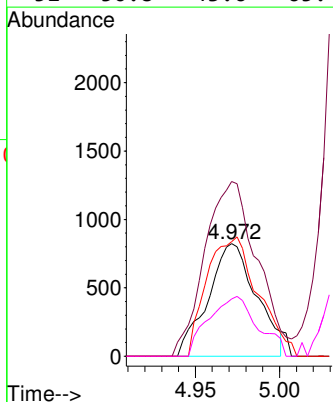
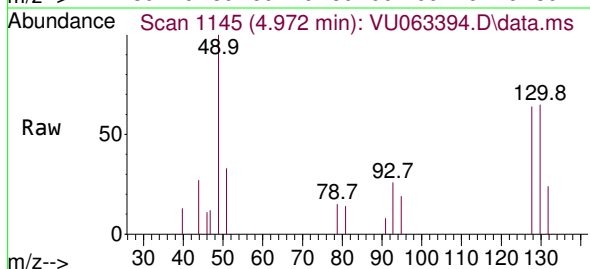
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2025-04

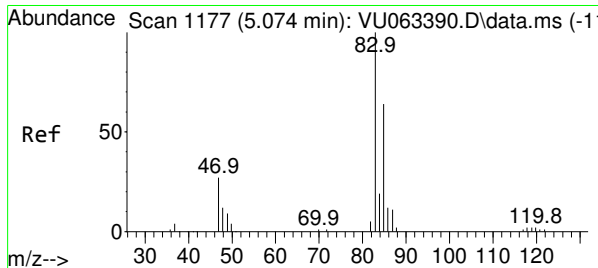
Tgt Ion:	96	Resp:	3213
Ion	Ratio	Lower	Upper
96	100		
61	108.8	91.6	170.0
98	58.8	44.0	81.8



#23
Bromochloromethane
Concen: 2.544 ug/L
RT: 4.972 min Scan# 1145
Delta R.T. 0.010 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

Tgt Ion:	128	Resp:	1642
Ion	Ratio	Lower	Upper
128	100		
49	155.3	118.2	219.6
130	101.7	89.2	165.8
51	50.8	43.6	65.4

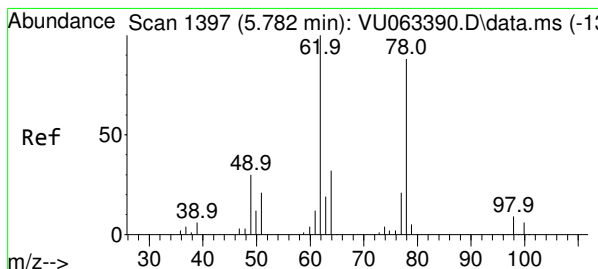
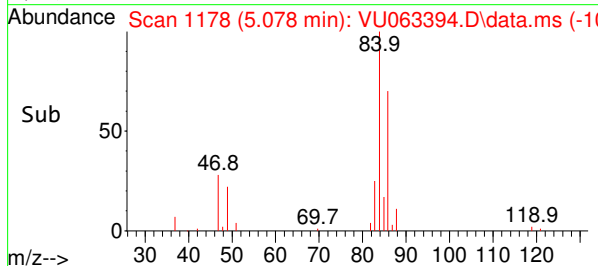
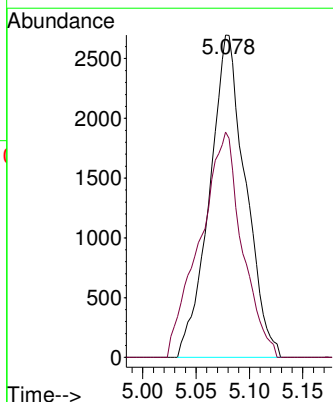
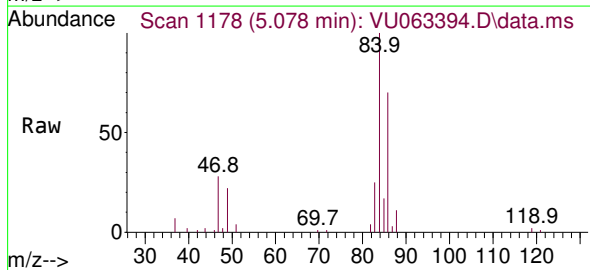




#25
Chloroform
Concen: 2.848 ug/L
RT: 5.078 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

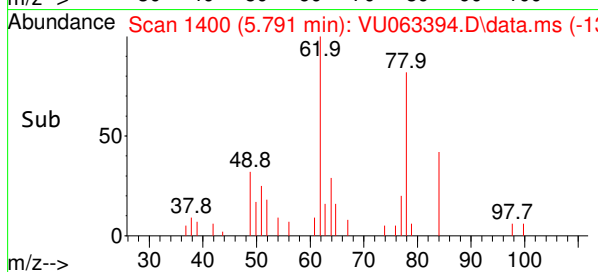
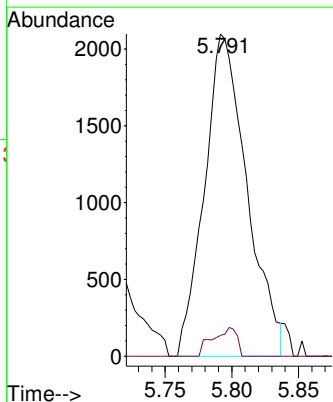
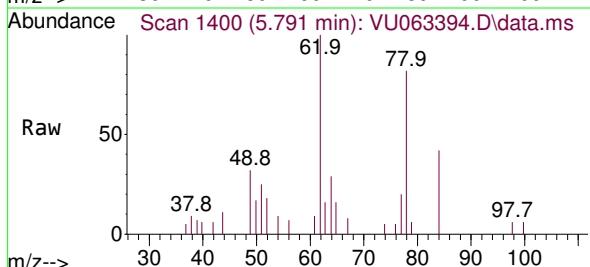
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2025-04

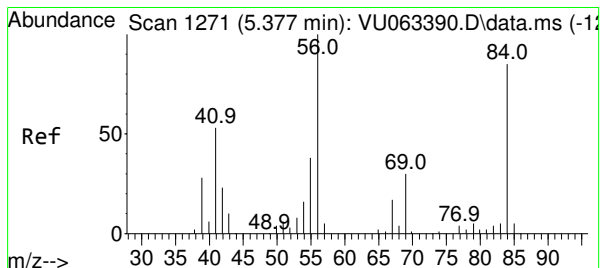
Tgt Ion: 83 Resp: 6320
Ion Ratio Lower Upper
83 100
85 69.9 45.9 85.3



#27
1,2-Dichloroethane
Concen: 2.664 ug/L
RT: 5.791 min Scan# 1400
Delta R.T. 0.010 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

Tgt Ion: 62 Resp: 4637
Ion Ratio Lower Upper
62 100
98 6.5 7.5 11.3#





#29

Cyclohexane

Concen: 1.998 ug/L

RT: 5.380 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063394.D

Acq: 12 Jun 2025 12:13

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2025-04

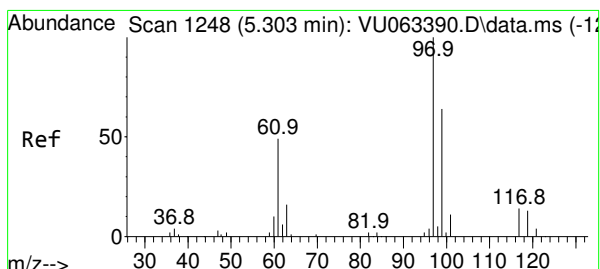
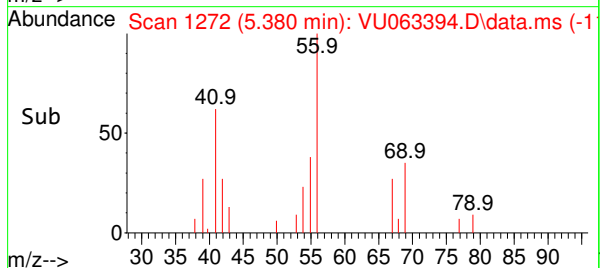
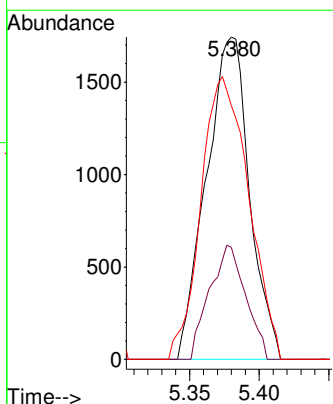
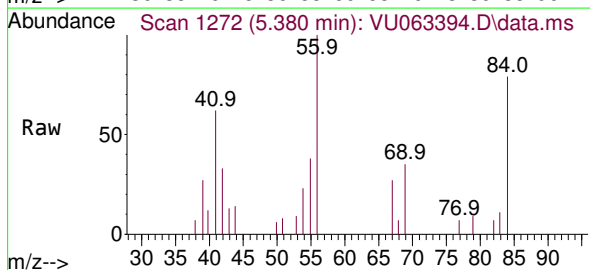
Tgt Ion: 56 Resp: 3758

Ion Ratio Lower Upper

56 100

69 29.6 24.2 36.4

84 96.9 67.2 100.8



#30

1,1,1-Trichloroethane

Concen: 2.363 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. 0.000 min

Lab File: VU063394.D

Acq: 12 Jun 2025 12:13

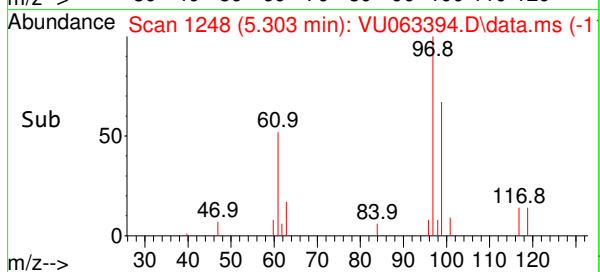
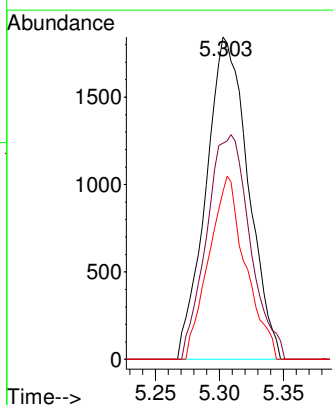
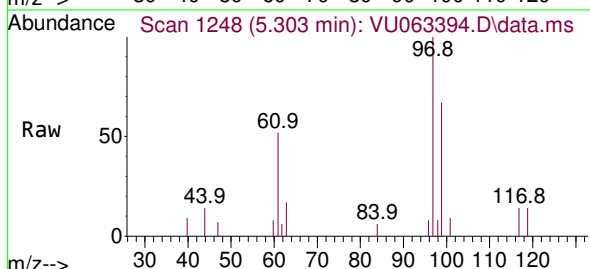
Tgt Ion: 97 Resp: 4228

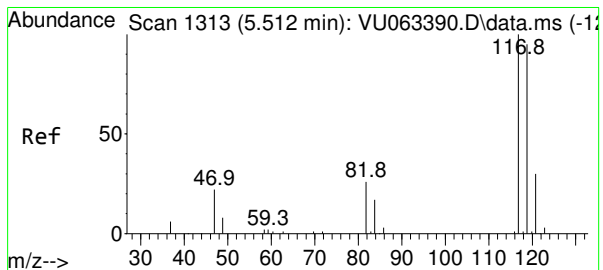
Ion Ratio Lower Upper

97 100

99 71.8 52.1 78.1

61 49.5 38.6 57.8

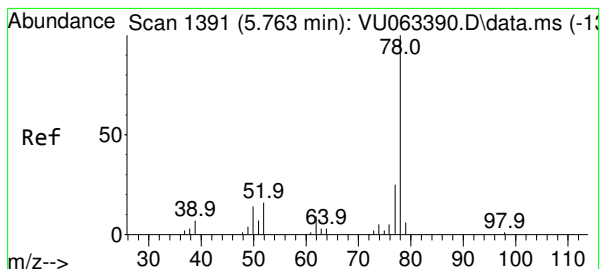
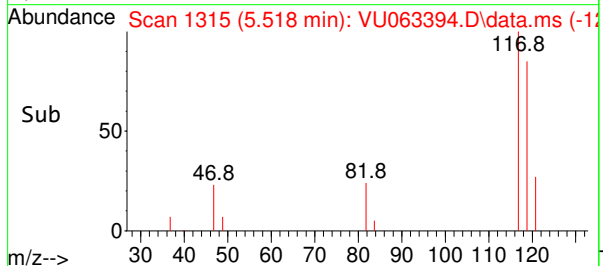
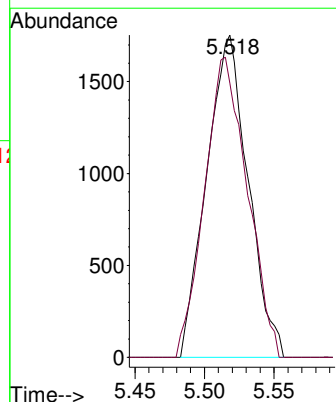
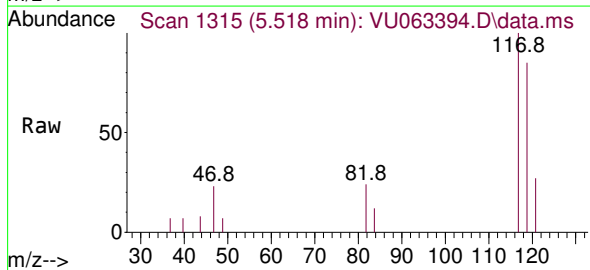




#31
Carbon tetrachloride
Concen: 2.411 ug/L
RT: 5.518 min Scan# 1
Delta R.T. 0.006 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

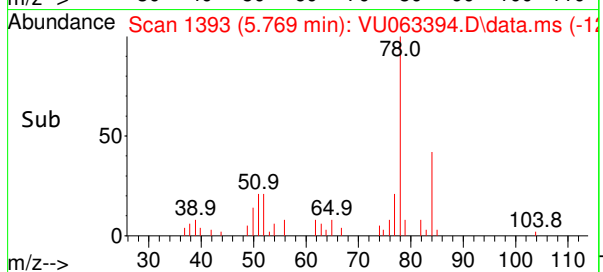
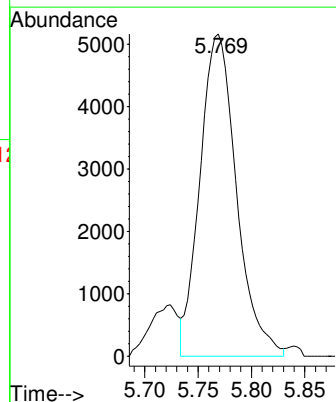
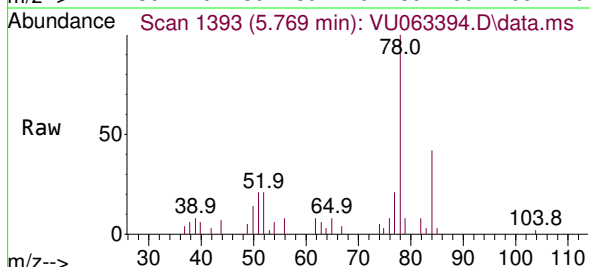
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2025-04

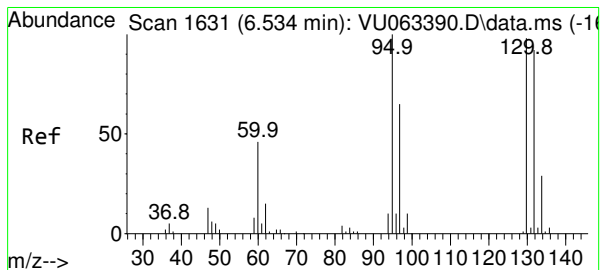
Tgt Ion: 117 Resp: 3628
Ion Ratio Lower Upper
117 100
119 95.9 76.3 114.5



#33
Benzene
Concen: 2.499 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.006 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

Tgt Ion: 78 Resp: 12307

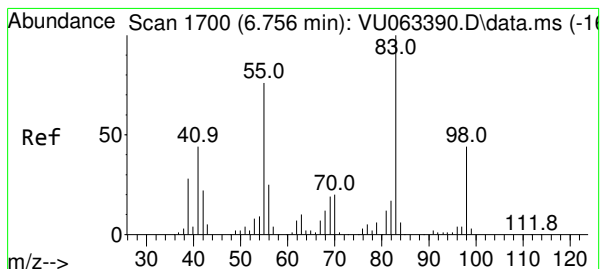
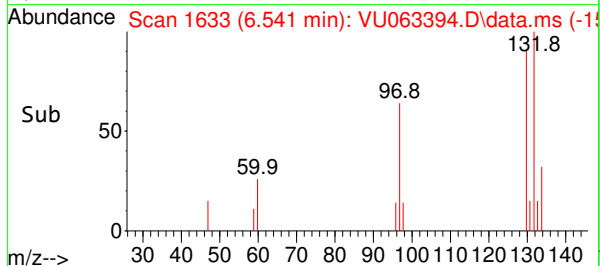
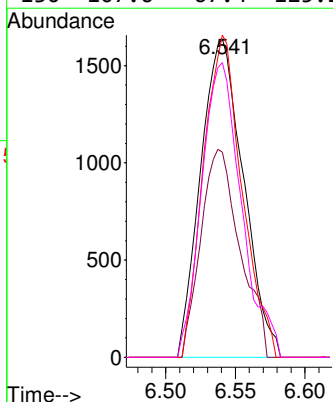
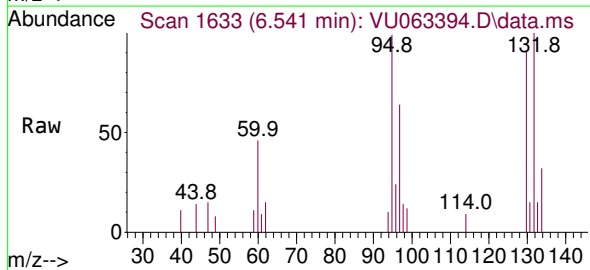




#34
Trichloroethene
Concen: 2.761 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.006 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

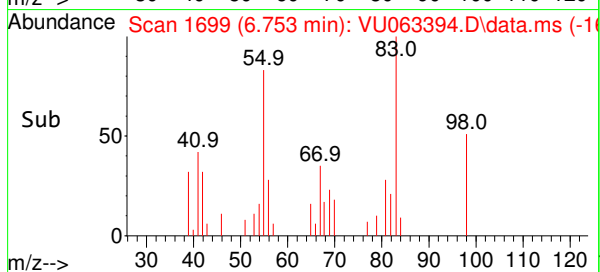
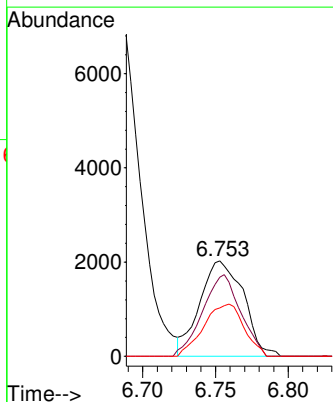
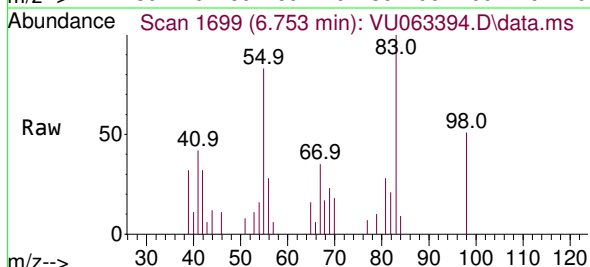
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2025-04

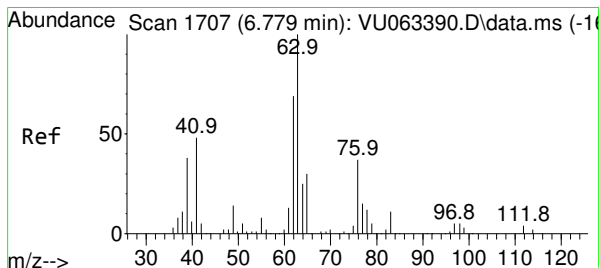
Tgt Ion:	95	Resp:	3495
Ion	Ratio	Lower	Upper
95	100		
97	79.1	44.6	82.8
132	116.4	65.3	121.3
130	107.6	67.4	125.2



#35
Methylcyclohexane
Concen: 2.260 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

Tgt Ion:	83	Resp:	4232
Ion	Ratio	Lower	Upper
83	100		
55	74.2	63.4	95.2
98	50.4	35.2	52.8





#37

1,2-Dichloropropane

Concen: 2.362 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.010 min

Lab File: VU063394.D

Acq: 12 Jun 2025 12:13

Instrument :

MSVOA_U

ClientSampleId :

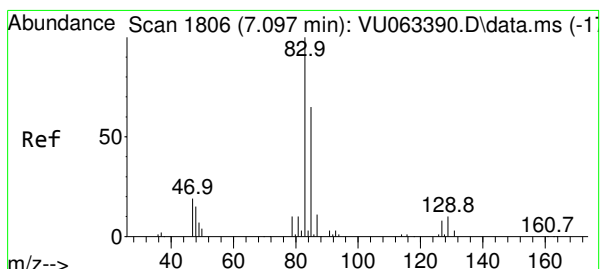
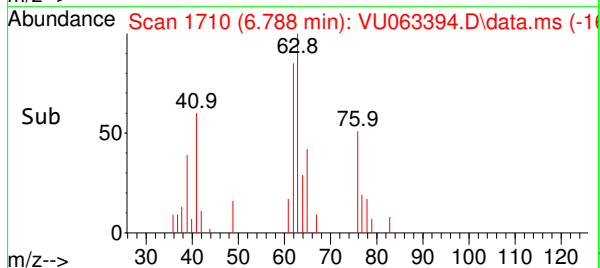
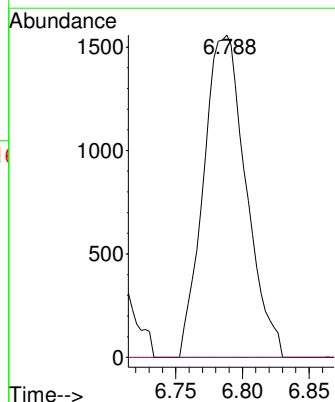
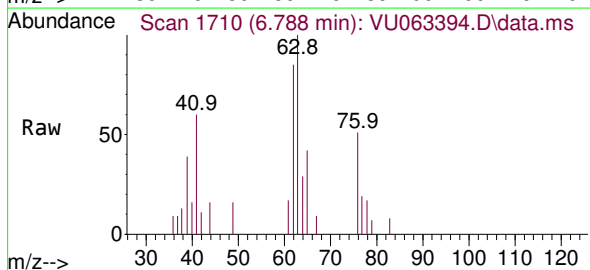
MDL-MED-SOIL-QT2-2025-04

Tgt Ion: 63 Resp: 3450

Ion Ratio Lower Upper

63 100

112 0.0 2.9 4.3#



#38

Bromodichloromethane

Concen: 2.506 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VU063394.D

Acq: 12 Jun 2025 12:13

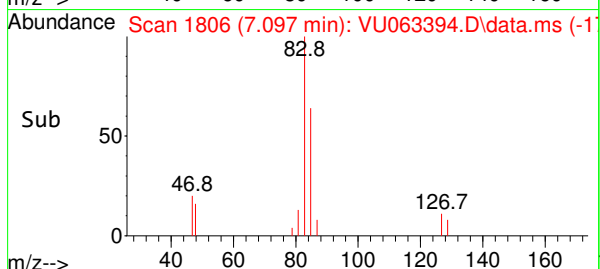
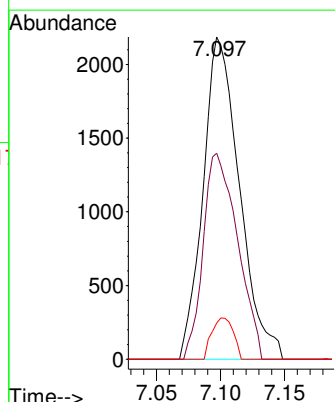
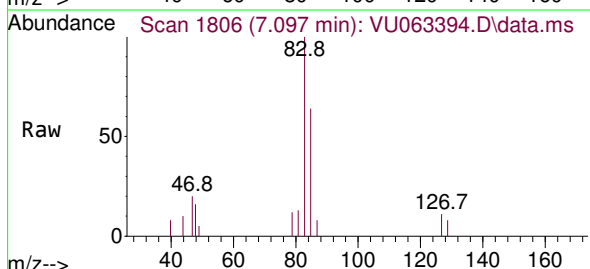
Tgt Ion: 83 Resp: 4318

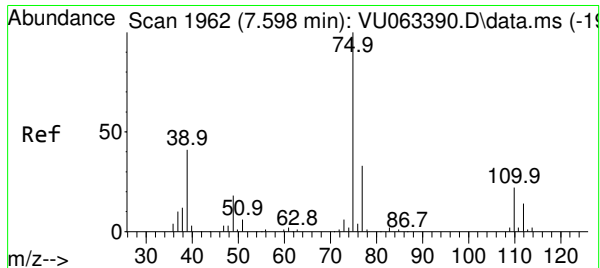
Ion Ratio Lower Upper

83 100

85 63.9 45.3 84.1

127 11.2 6.0 9.0#

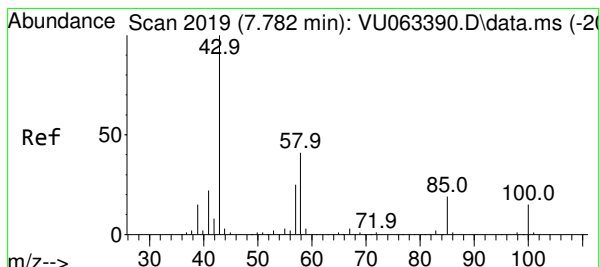
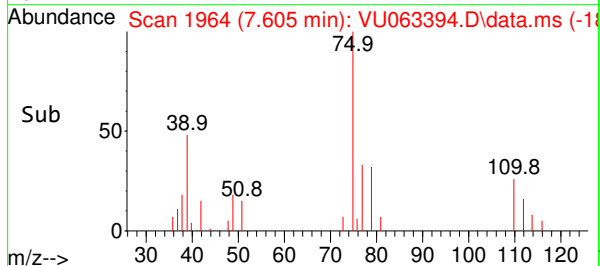
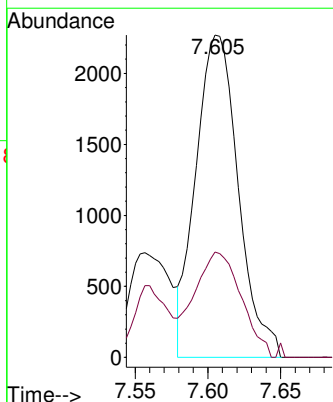
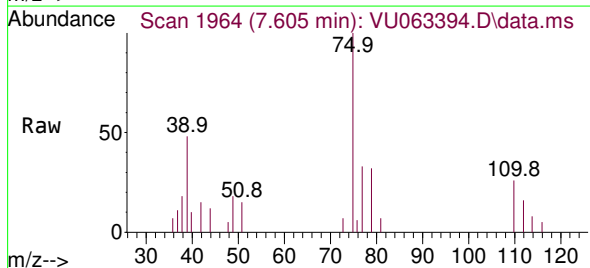




#39
 cis-1,3-Dichloropropene
 Concen: 2.327 ug/L
 RT: 7.605 min Scan# 1
 Delta R.T. 0.006 min
 Lab File: VU063394.D
 Acq: 12 Jun 2025 12:13

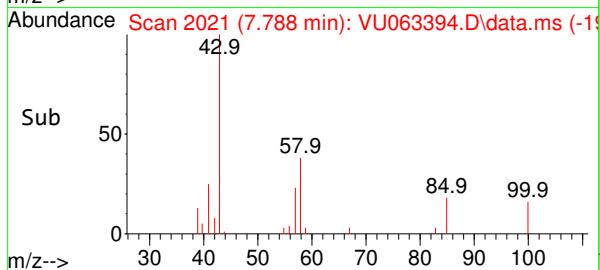
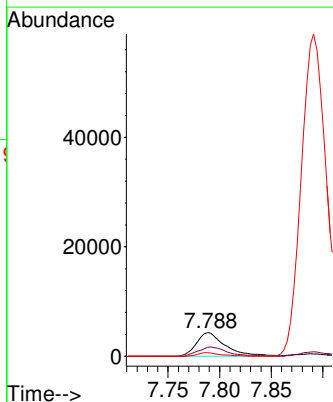
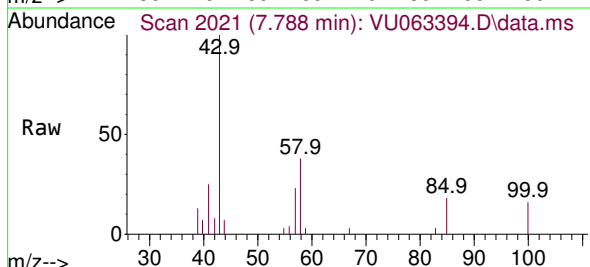
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2025-04

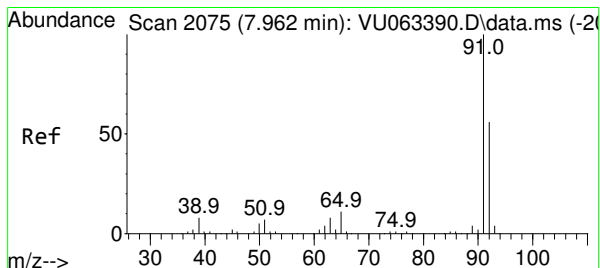
Tgt Ion: 75 Resp: 4608
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 4.698 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. 0.006 min
 Lab File: VU063394.D
 Acq: 12 Jun 2025 12:13

Tgt Ion: 43 Resp: 8513
 Ion Ratio Lower Upper
 43 100
 58 39.5 33.0 49.6
 100 12.7 11.9 17.9





#42

Toluene

Concen: 2.418 ug/L

RT: 7.965 min Scan# 2150

Delta R.T. 0.003 min

Lab File: VU063394.D

Acq: 12 Jun 2025 12:13

Instrument :

MSVOA_U

ClientSampleId :

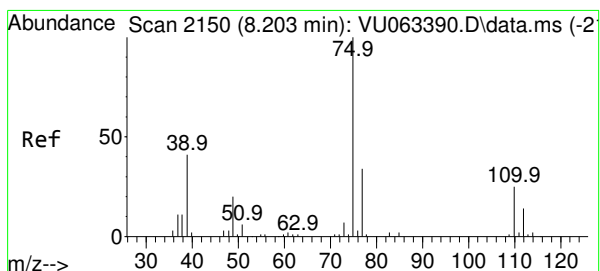
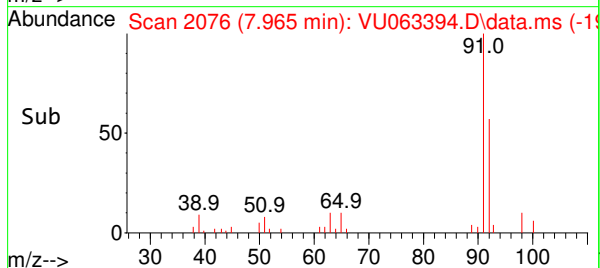
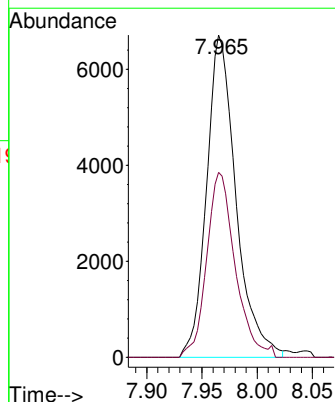
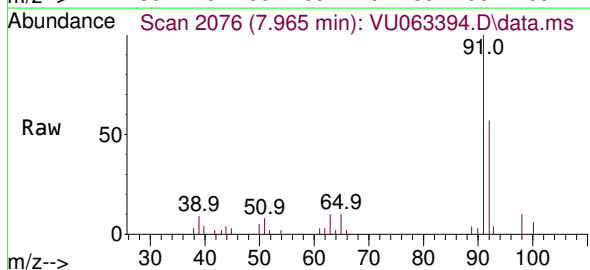
MDL-MED-SOIL-QT2-2025-04

Tgt Ion: 91 Resp: 12442

Ion Ratio Lower Upper

91 100

92 61.6 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 2.542 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU063394.D

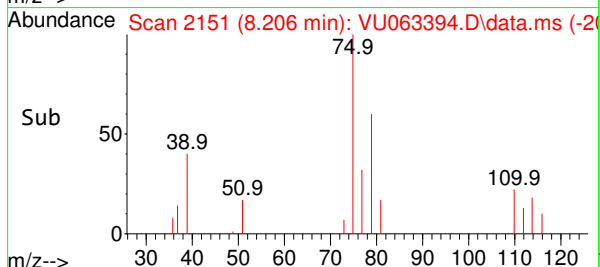
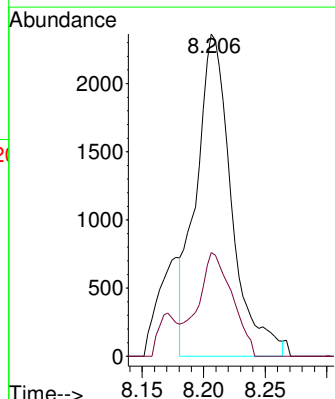
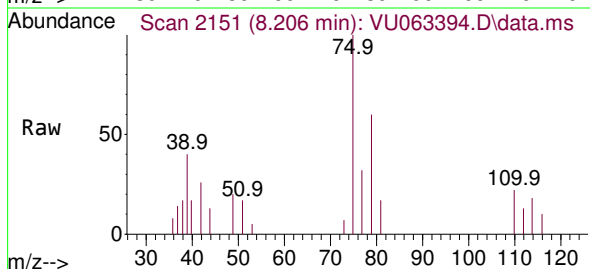
Acq: 12 Jun 2025 12:13

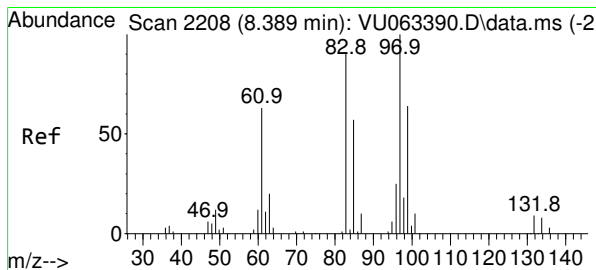
Tgt Ion: 75 Resp: 4711

Ion Ratio Lower Upper

75 100

77 32.1 21.7 40.3

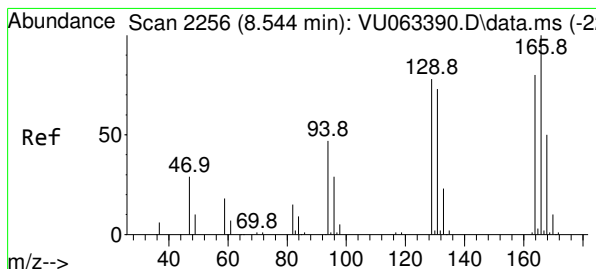
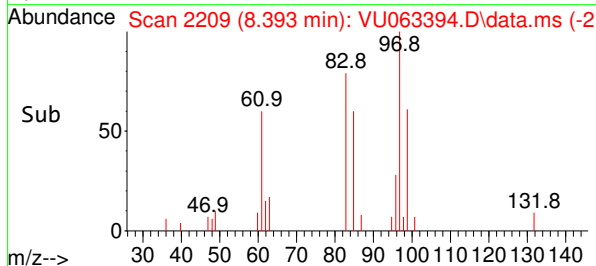
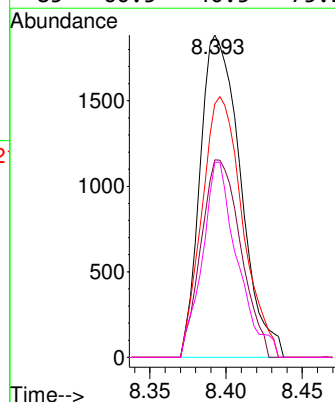
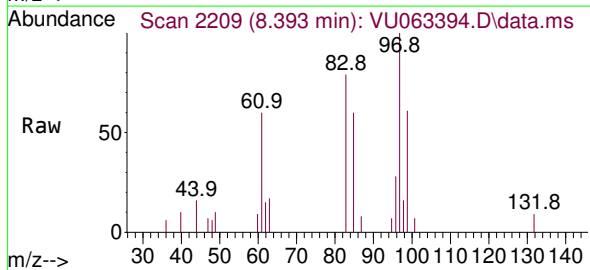




#45
1,1,2-Trichloroethane
Concen: 2.587 ug/L
RT: 8.393 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

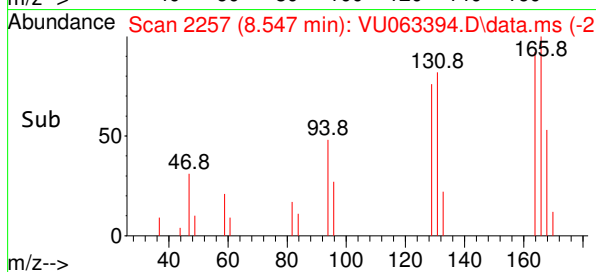
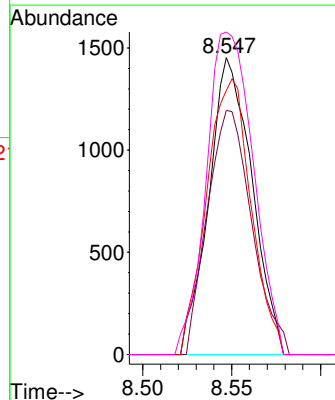
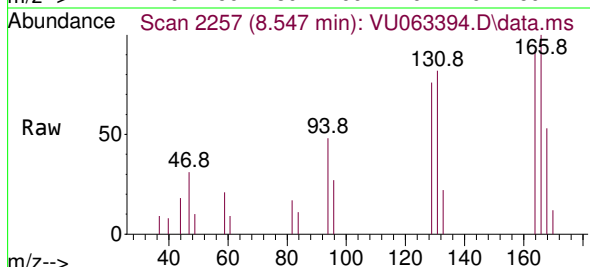
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2025-04

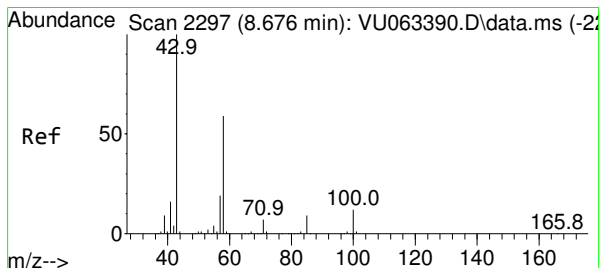
Tgt Ion:	97	Resp:	3459
Ion	Ratio	Lower	Upper
97	100		
99	61.2	44.4	82.4
83	78.6	63.3	117.5
85	60.5	40.5	75.1



#46
Tetrachloroethene
Concen: 2.612 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

Tgt Ion:	164	Resp:	2444
Ion	Ratio	Lower	Upper
164	100		
129	82.2	67.8	125.8
131	88.9	64.3	119.5
166	108.7	87.6	162.6





#48

2-Hexanone

Concen: 8.532 ug/L

RT: 8.685 min Scan# 21

Delta R.T. 0.010 min

Lab File: VU063394.D

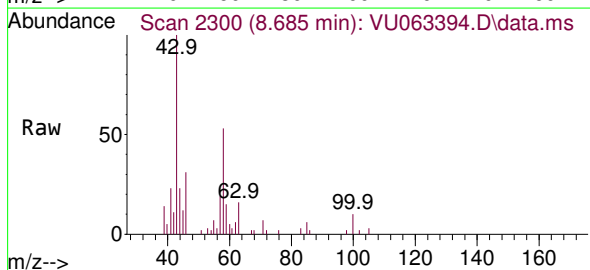
Acq: 12 Jun 2025 12:13

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2025-04



Tgt Ion: 43 Resp: 12057

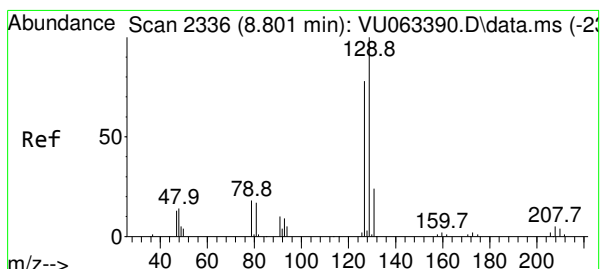
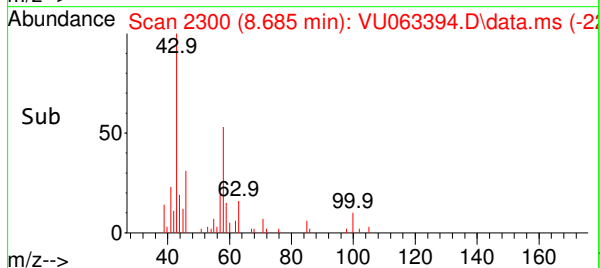
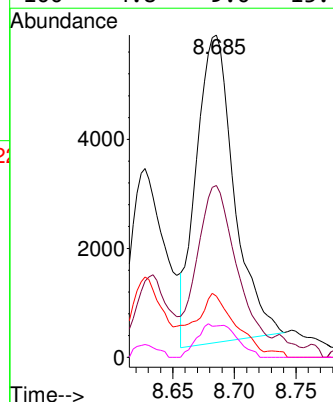
Ion Ratio Lower Upper

43 100

58 60.4 46.6 69.8

57 15.0 15.8 23.6#

100 4.8 9.0 13.4#



#49

Dibromochloromethane

Concen: 2.294 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU063394.D

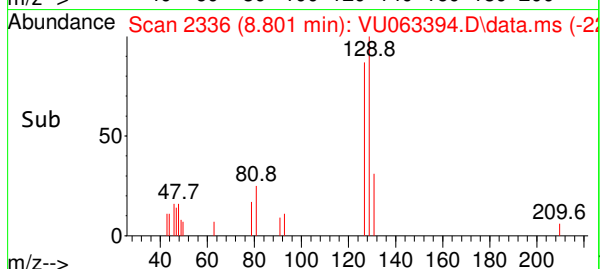
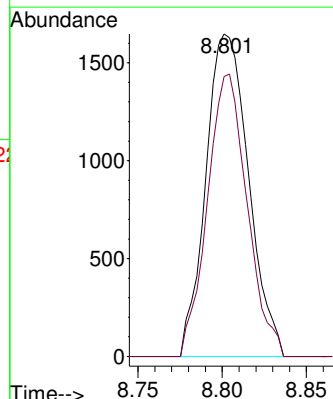
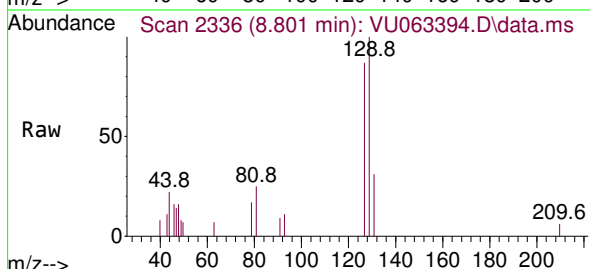
Acq: 12 Jun 2025 12:13

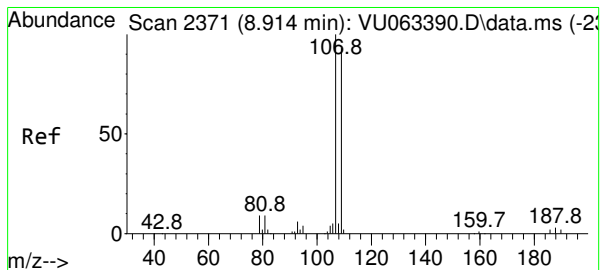
Tgt Ion: 129 Resp: 2910

Ion Ratio Lower Upper

129 100

127 86.8 54.0 100.4





#50

1,2-Dibromoethane

Concen: 2.601 ug/L

RT: 8.917 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU063394.D

Acq: 12 Jun 2025 12:13

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2025-04

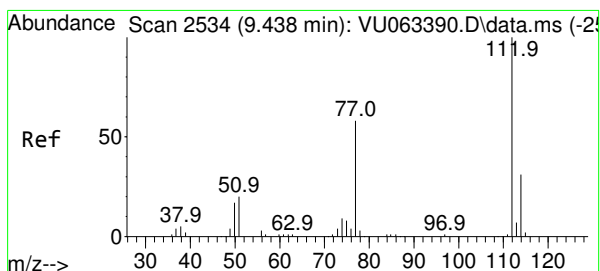
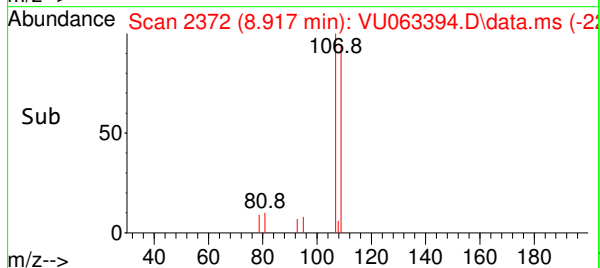
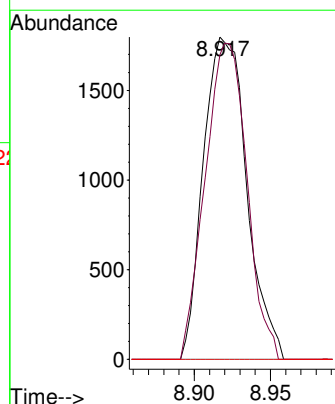
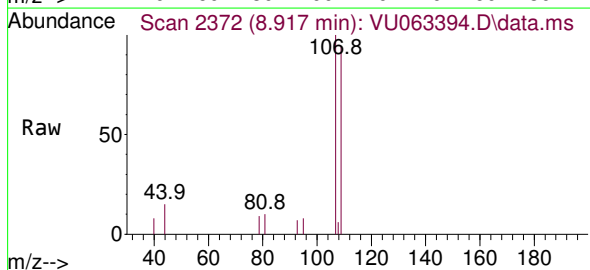
Tgt Ion:107 Resp: 3554

Ion Ratio Lower Upper

107 100

109 94.5 65.2 121.0

188 0.0 2.5 3.7#



#51

Chlorobenzene

Concen: 2.523 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.006 min

Lab File: VU063394.D

Acq: 12 Jun 2025 12:13

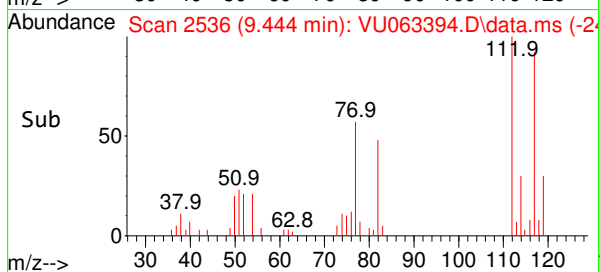
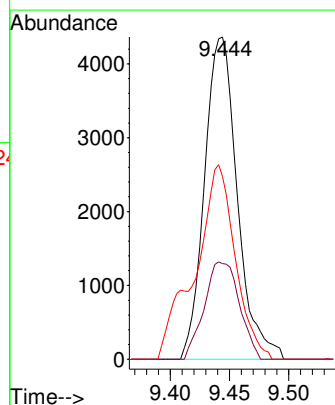
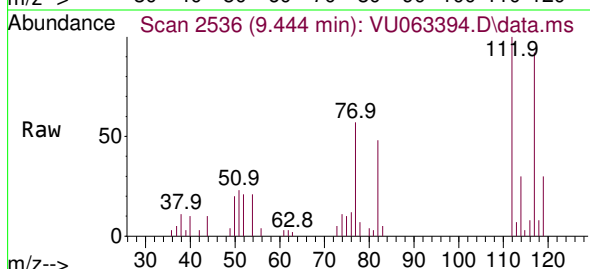
Tgt Ion:112 Resp: 8416

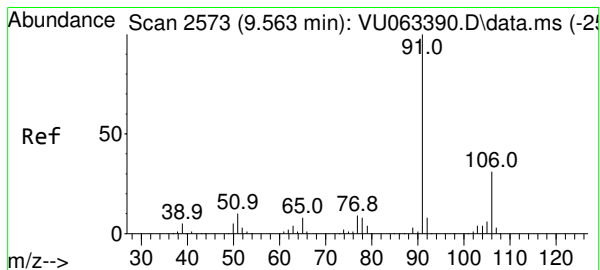
Ion Ratio Lower Upper

112 100

114 32.5 22.3 41.5

77 56.7 48.7 73.1

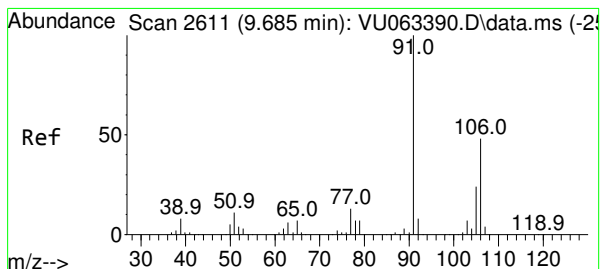
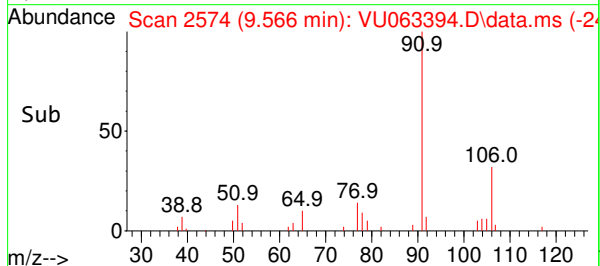
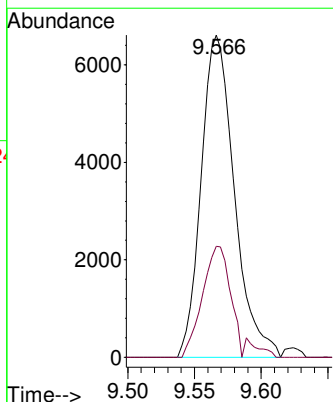
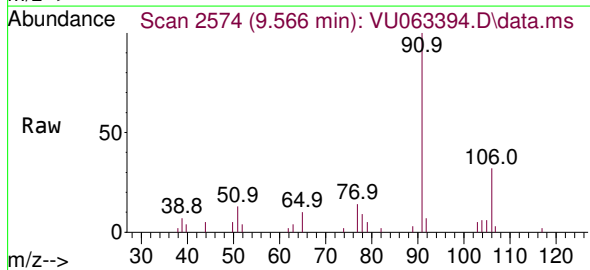




#52
Ethylbenzene
Concen: 2.122 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

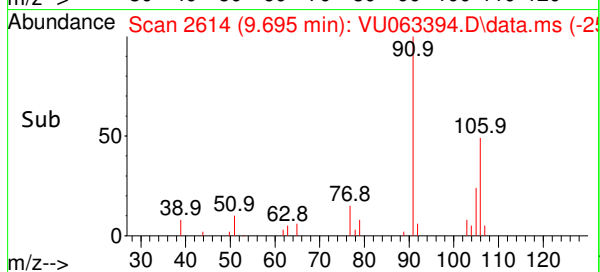
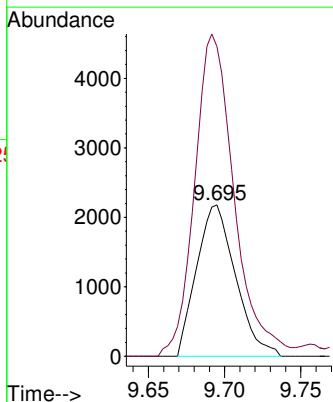
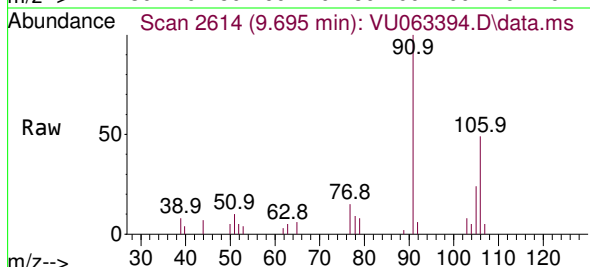
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2025-04

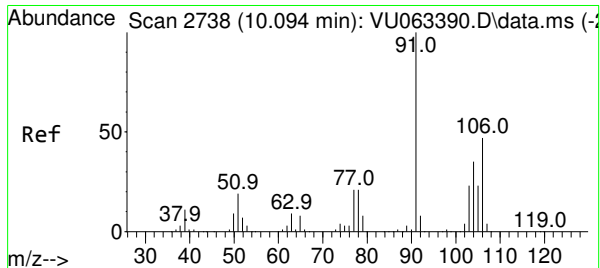
Tgt Ion: 91 Resp: 11431
Ion Ratio Lower Upper
91 100
106 32.1 21.5 39.9



#53
m,p-Xylene
Concen: 1.940 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.010 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

Tgt Ion:106 Resp: 3868
Ion Ratio Lower Upper
106 100
91 186.9 147.3 273.6

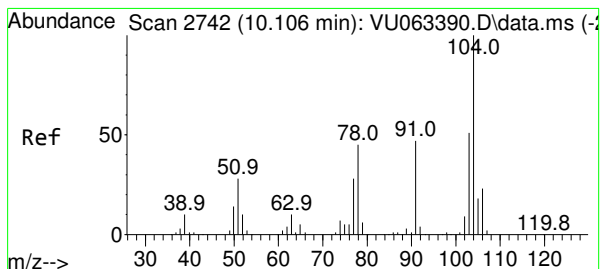
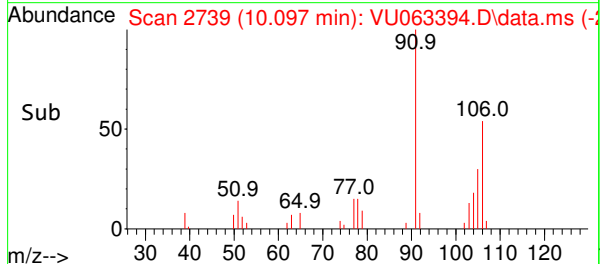
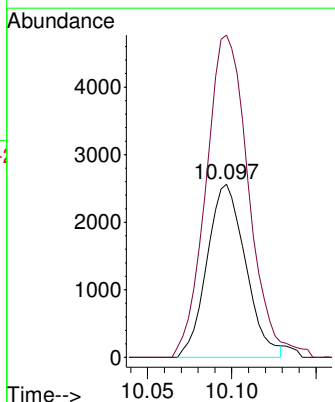
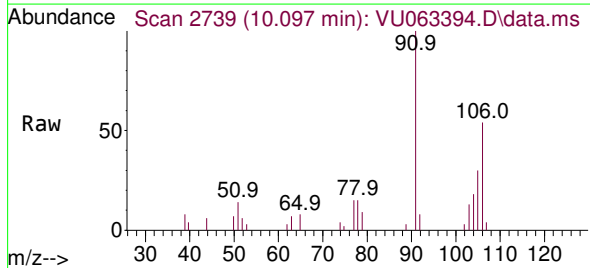




#54
o-Xylene
Concen: 2.149 ug/L
RT: 10.097 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

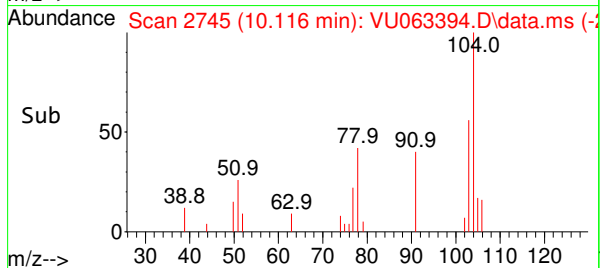
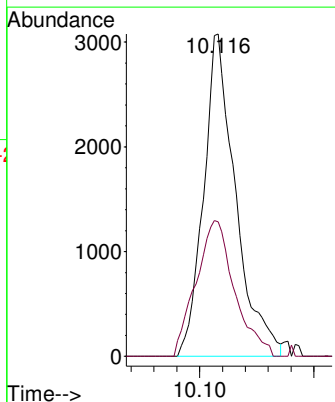
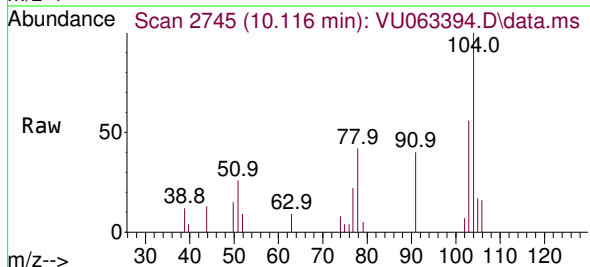
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2025-04

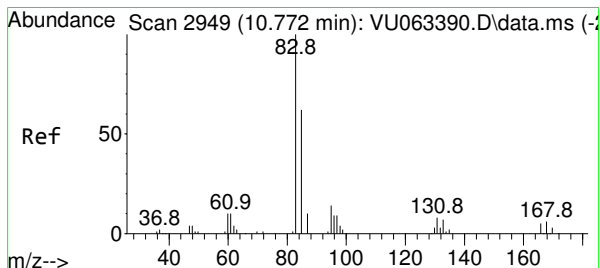
Tgt Ion:106 Resp: 4083
Ion Ratio Lower Upper
106 100
91 173.0 156.7 291.1



#55
Styrene
Concen: 1.833 ug/L
RT: 10.116 min Scan# 2745
Delta R.T. 0.010 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

Tgt Ion:104 Resp: 5982
Ion Ratio Lower Upper
104 100
78 41.7 32.4 60.2

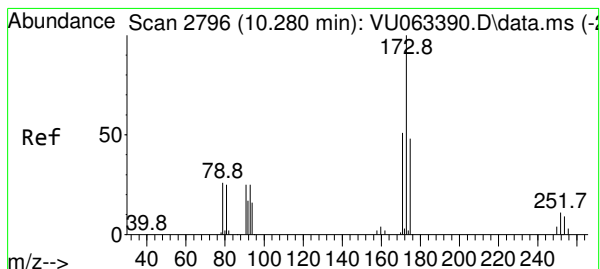
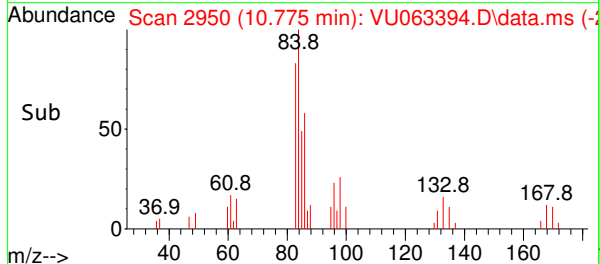
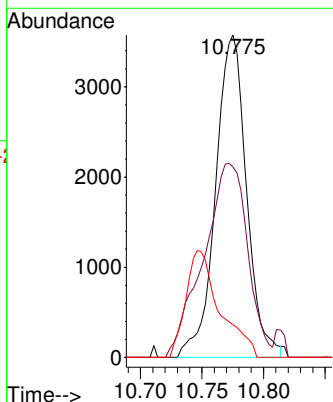
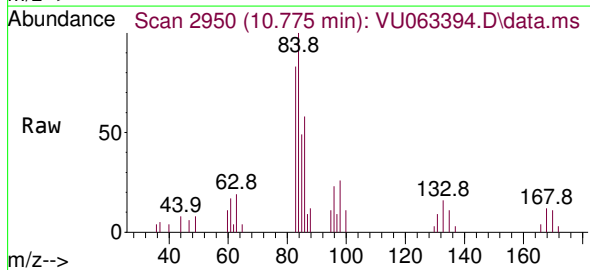




#57
1,1,2,2-Tetrachloroethane
Concen: 2.620 ug/L
RT: 10.775 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

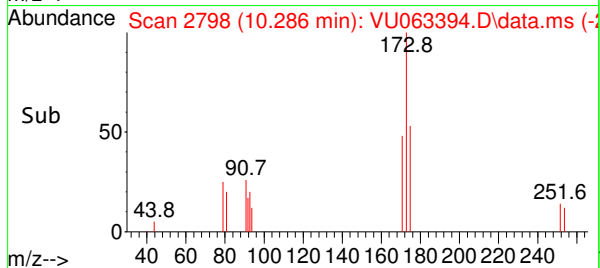
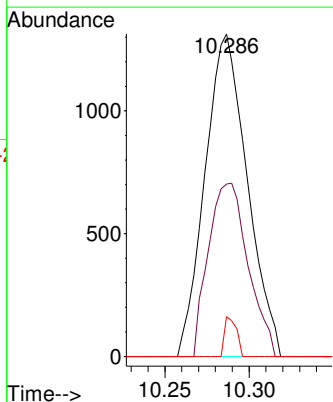
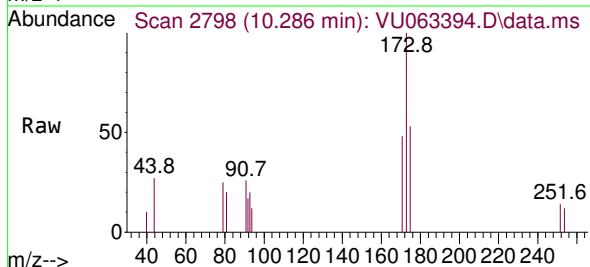
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2025-04

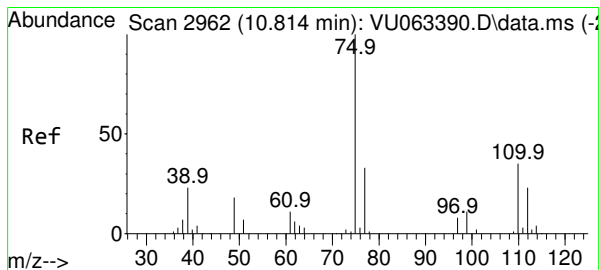
Tgt Ion:	83	Resp:	6260
Ion	Ratio	Lower	Upper
83	100		
85	59.1	45.6	84.8
131	10.2	7.1	10.7



#59
Bromoform
Concen: 2.666 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. 0.006 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

Tgt Ion:	173	Resp:	2289
Ion	Ratio	Lower	Upper
173	100		
175	50.5	38.6	57.8
254	3.5	7.8	11.6#

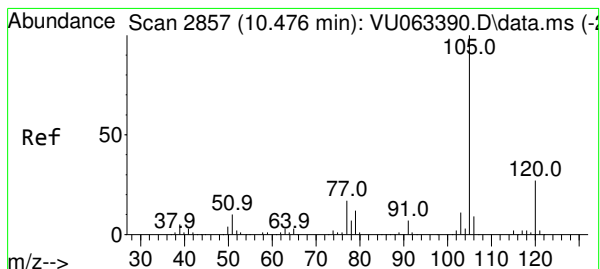
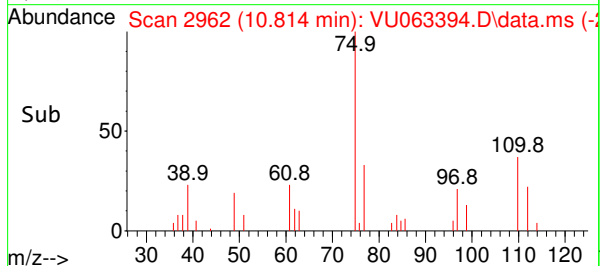
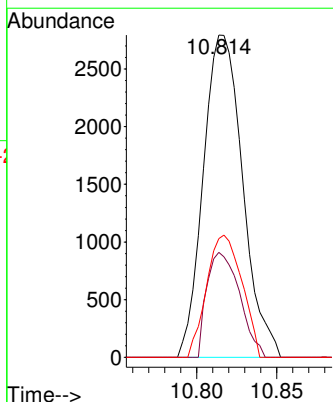
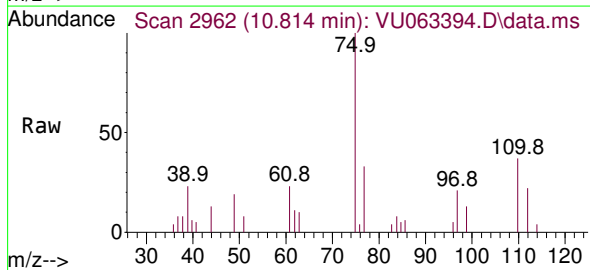




#60
1,2,3-Trichloropropane
Concen: 3.078 ug/L
RT: 10.814 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

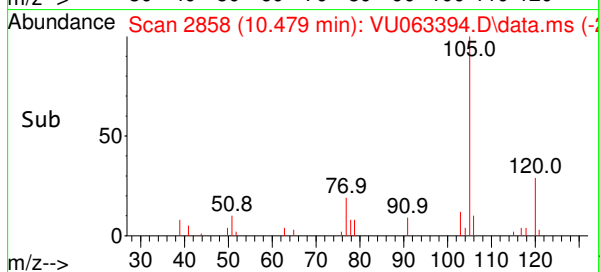
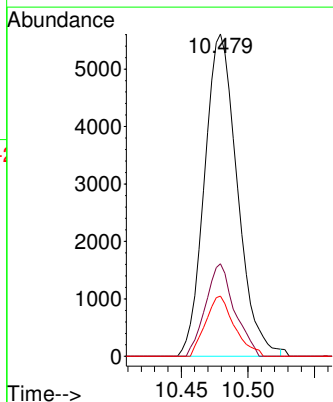
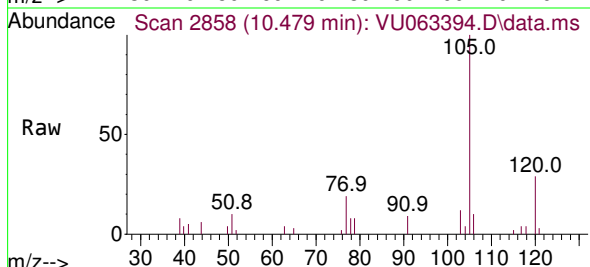
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2025-04

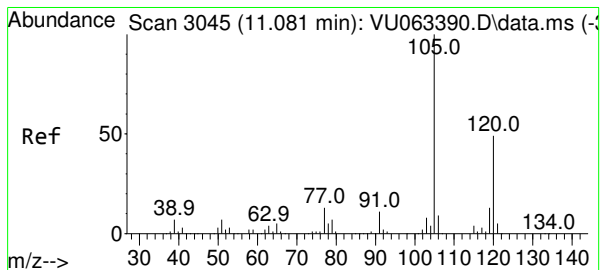
Tgt Ion:	75	Resp:	4790
Ion	Ratio	Lower	Upper
75	100		
77	27.1	25.9	38.9
110	34.0	27.8	41.8



#61
Isopropylbenzene
Concen: 2.241 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.003 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

Tgt Ion:	105	Resp:	9578
Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.6	31.0
77	16.4	13.0	19.4

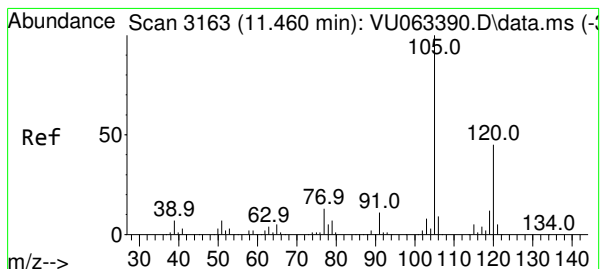
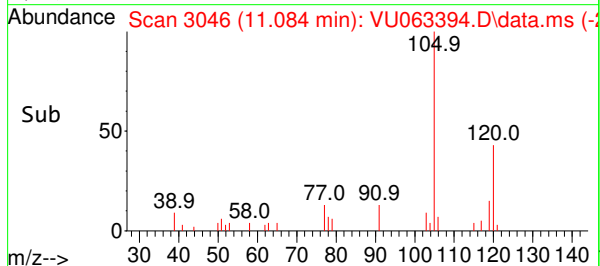
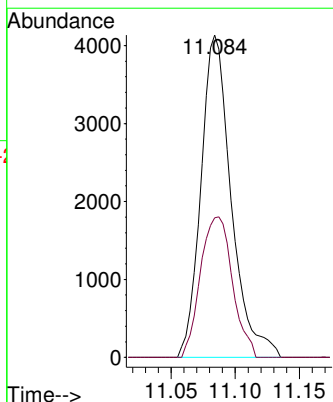
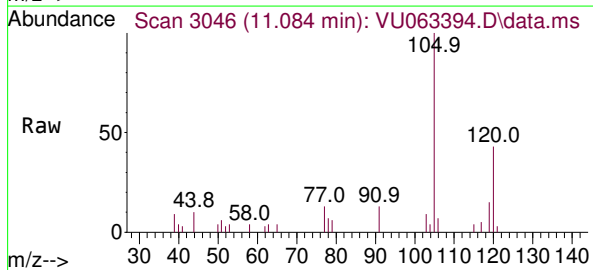




#62
1,3,5-Trimethylbenzene
Concen: 2.057 ug/L
RT: 11.084 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

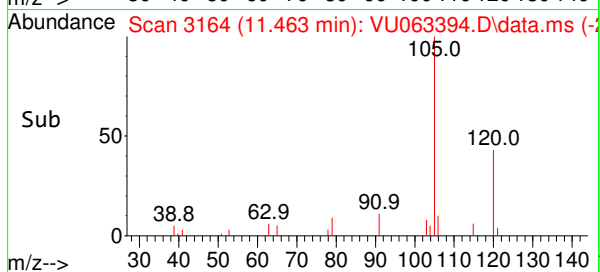
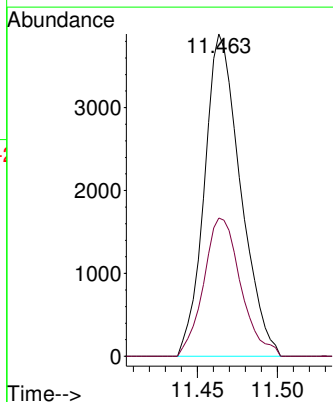
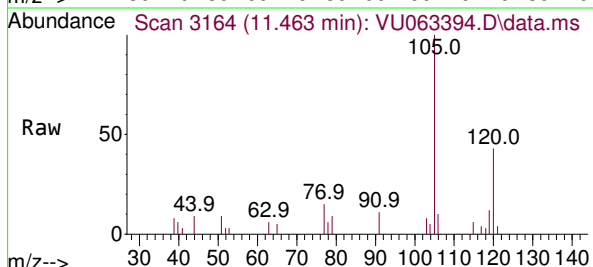
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2025-04

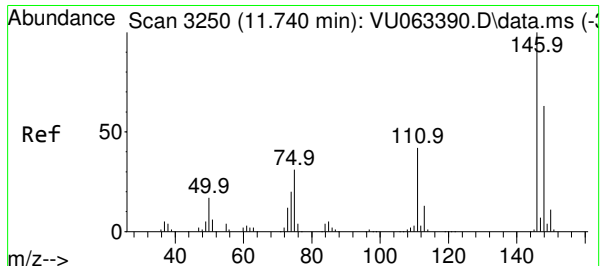
Tgt Ion:105 Resp: 6796
Ion Ratio Lower Upper
105 100
120 46.1 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 1.947 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

Tgt Ion:105 Resp: 6111
Ion Ratio Lower Upper
105 100
120 44.1 35.4 53.2

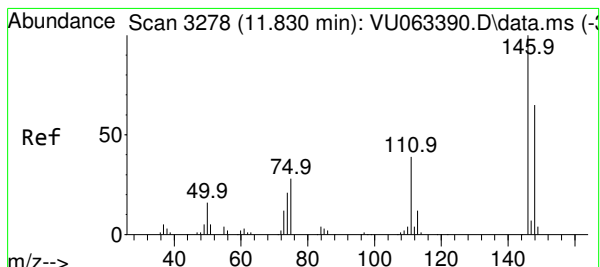
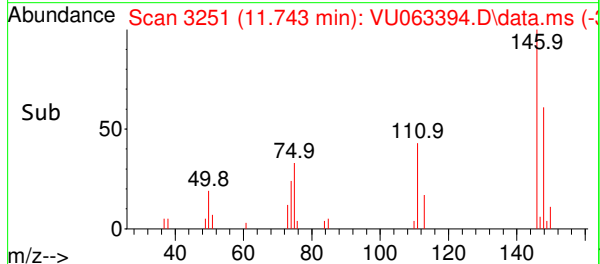
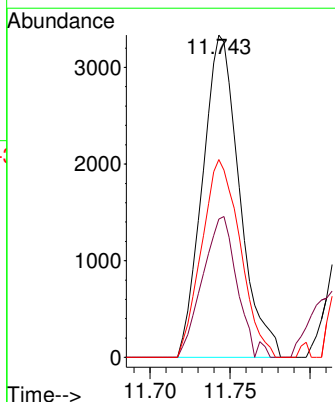
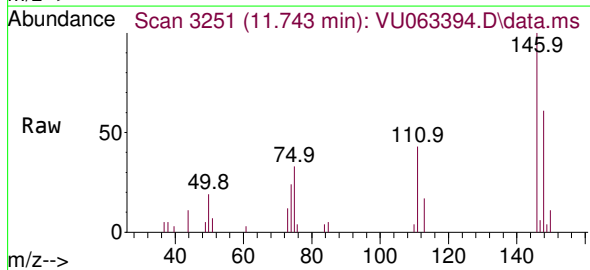




#64
1,3-Dichlorobenzene
Concen: 2.525 ug/L
RT: 11.743 min Scan# 3250
Delta R.T. 0.003 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

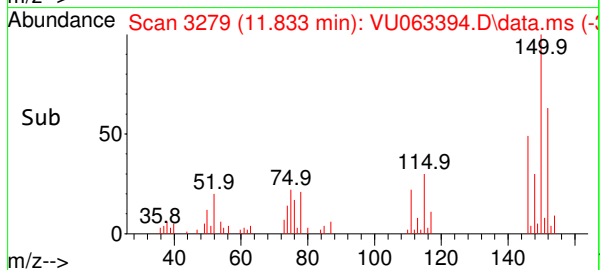
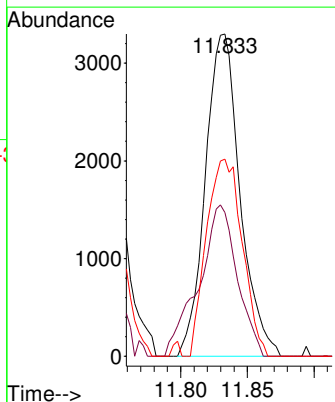
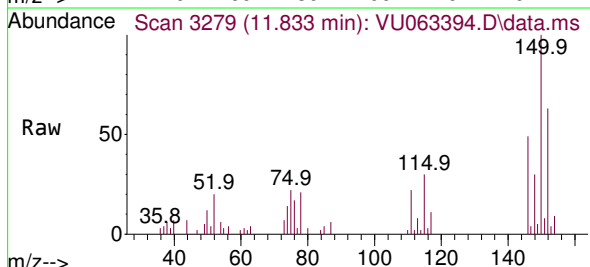
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2025-04

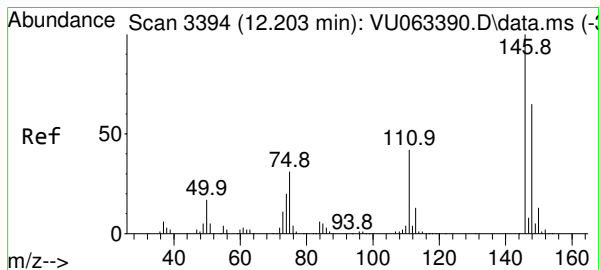
Tgt Ion:	146	Resp:	5357
Ion	Ratio	Lower	Upper
146	100		
111	40.3	29.2	54.2
148	61.0	45.8	85.2



#65
1,4-Dichlorobenzene
Concen: 2.741 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

Tgt Ion:	146	Resp:	5978
Ion	Ratio	Lower	Upper
146	100		
111	41.2	27.5	51.1
148	65.1	44.7	82.9

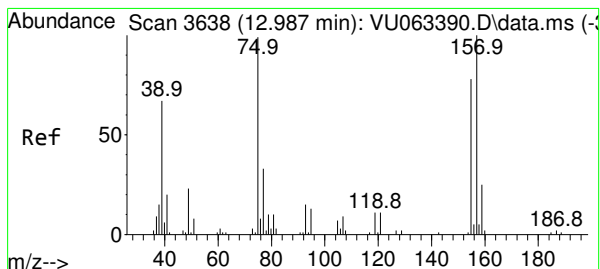
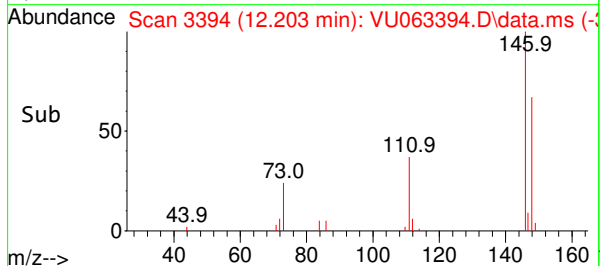
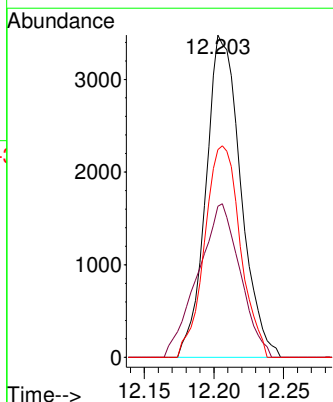
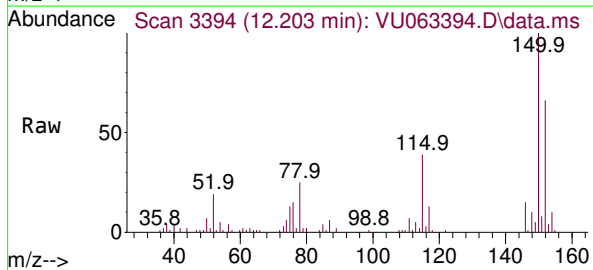




#67
1,2-Dichlorobenzene
Concen: 2.821 ug/L
RT: 12.203 min Scan# 3394
Delta R.T. 0.000 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

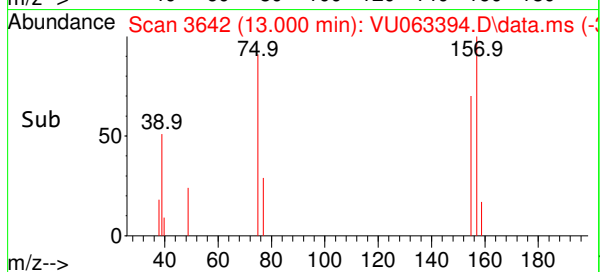
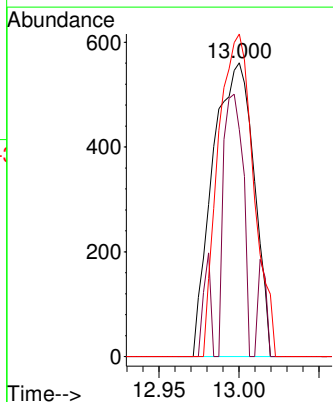
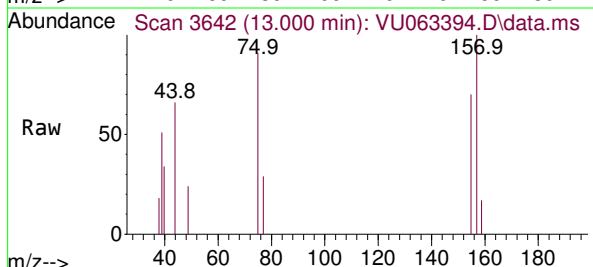
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2025-04

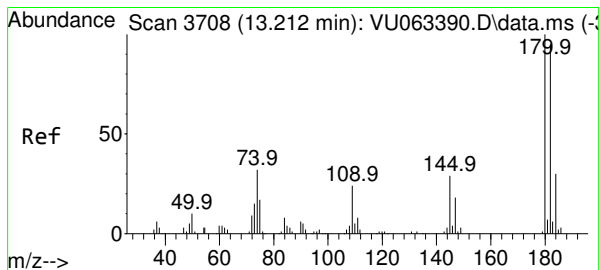
Tgt Ion:	146	Resp:	6043
Ion	Ratio	Lower	Upper
146	100		
111	46.9	34.7	52.1
148	64.5	51.3	76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 2.399 ug/L
RT: 13.000 min Scan# 3642
Delta R.T. 0.013 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

Tgt Ion:	75	Resp:	1004
Ion	Ratio	Lower	Upper
75	100		
155	77.2	68.4	102.6
157	109.8	84.2	126.4

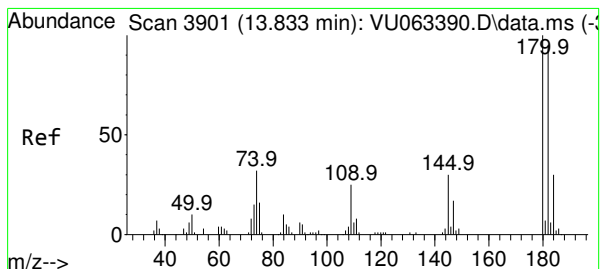
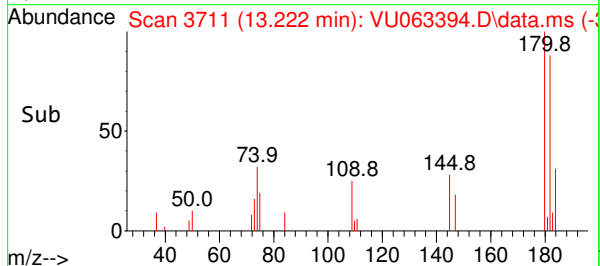
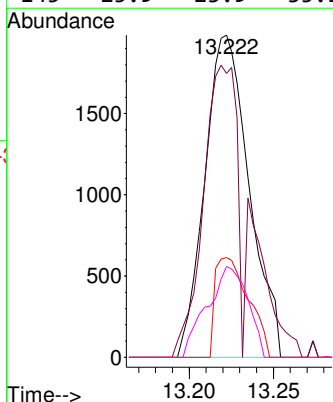
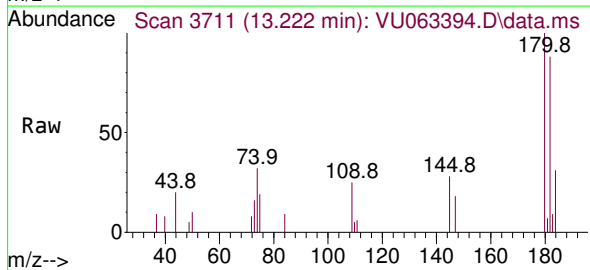




#69
1,3,5-Trichlorobenzene
Concen: 2.522 ug/L
RT: 13.222 min Scan# 3
Delta R.T. 0.010 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

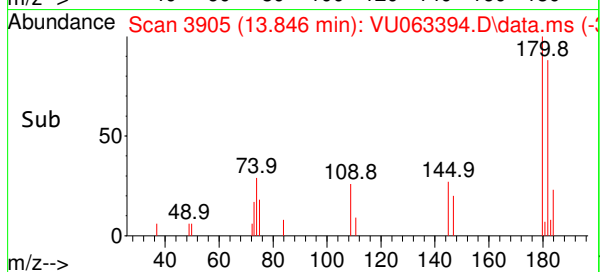
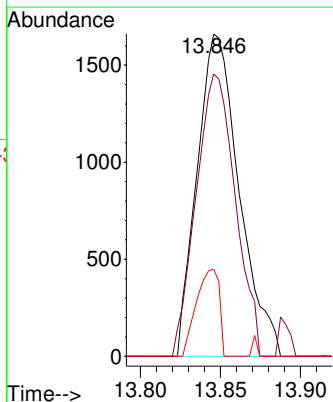
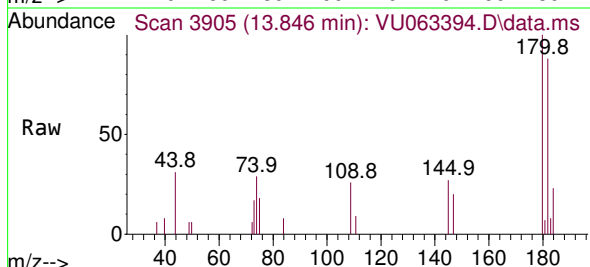
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2025-04

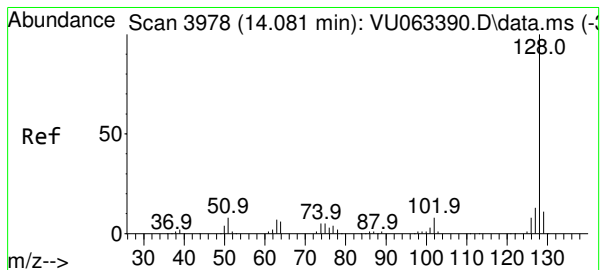
Tgt Ion:	180	Resp:	3623
Ion	Ratio	Lower	Upper
180	100		
182	50.5	77.2	115.8#
184	23.4	24.3	36.5#
145	25.9	23.9	35.9



#70
1,2,4-trichlorobenzene
Concen: 2.725 ug/L
RT: 13.846 min Scan# 3905
Delta R.T. 0.013 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

Tgt Ion:	180	Resp:	3039
Ion	Ratio	Lower	Upper
180	100		
182	81.7	75.8	113.8
145	14.6	24.0	36.0#

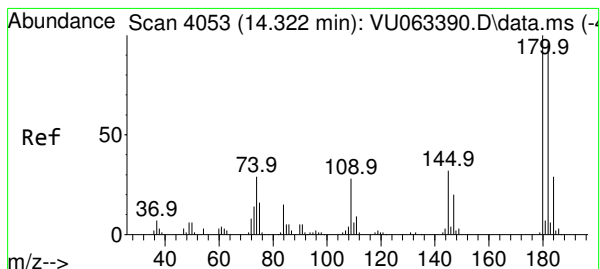
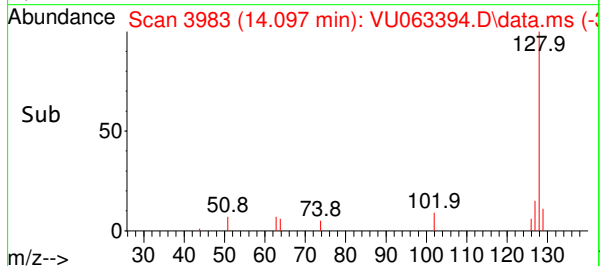
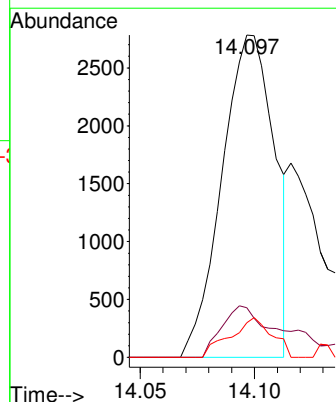
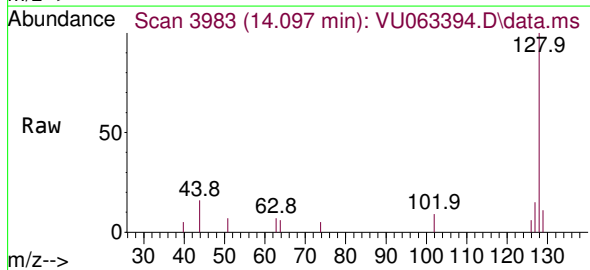




#71
Naphthalene
Concen: 1.478 ug/L
RT: 14.097 min Scan# 3
Delta R.T. 0.016 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2025-04

Tgt Ion:	128	Resp:	4444
Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.2	15.4
129	9.8	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 2.410 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.006 min
Lab File: VU063394.D
Acq: 12 Jun 2025 12:13

Tgt Ion:	180	Resp:	2661
Ion	Ratio	Lower	Upper
180	100		
182	88.0	77.3	115.9
145	25.1	25.7	38.5#

