

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031925\
 Data File : VD080287.D
 Acq On : 19 Mar 2025 12:00
 Operator : RP/MD
 Sample : Q1546-04
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT1-2025-02

Quant Time: Mar 24 14:54:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Mar 24 14:42:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	168902	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	146706	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	70796	25.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	112396	20.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.84%
7) Chloroethane-d5	2.793	69	110585	22.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.24%
11) 1,1-Dichloroethene-d2	3.916	65	22920	19.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.40%
21) 2-Butanone-d5	6.987	46	28025	48.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.02%
24) Chloroform-d	7.563	84	126772	24.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.36%
26) 1,2-Dichloroethane-d4	8.228	65	75186	26.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.68%
32) Benzene-d6	8.204	84	246518	28.76	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	115.04%
36) 1,2-Dichloropropane-d6	9.210	67	82648	29.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	119.56%
41) Toluene-d8	10.269	98	195519	25.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.08%
43) trans-1,3-Dichloroprop...	10.522	79	29049	25.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.08%
47) 2-Hexanone-d5	10.875	63	18251	45.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.22%
56) 1,1,2,2-Tetrachloroeth...	12.645	84	64958	26.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.72%
66) 1,2-Dichlorobenzene-d4	13.816	152	70736	28.52	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	114.08%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.934	85	4581	1.46 ug/L	100
3) Chloromethane	2.152	50	6517	1.28 ug/L	94
5) Vinyl chloride	2.275	62	8766	1.33 ug/L #	82
6) Bromomethane	2.693	94	4941	1.44 ug/L	84
8) Chloroethane	2.834	64	6217	1.39 ug/L	97
9) Trichlorofluoromethane	3.164	101	7159	1.45 ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	2346	0.81 ug/L #	58
12) 1,1-Dichloroethene	3.934	96	2359	0.95 ug/L #	1
13) Acetone	4.034	43	1679	2.67 ug/L	93
14) Carbon disulfide	4.269	76	11206	1.22 ug/L #	78
15) Methyl Acetate	4.575	43	1464	1.10 ug/L #	68
17) trans-1,2-Dichloroethene	5.299	96	2036	0.76 ug/L	82
18) Methyl tert-butyl Ether	5.310	73	1274	0.23 ug/L #	65
19) 1,1-Dichloroethane	6.105	63	4045	0.77 ug/L	92
20) cis-1,2-Dichloroethene	7.075	96	2264	0.78 ug/L	86
22) 2-Butanone	7.093	43	1732	2.20 ug/L	94
23) Bromochloromethane	7.434	128	1953	1.42 ug/L #	73
25) Chloroform	7.593	83	20223	3.59 ug/L	94
27) 1,2-Dichloroethane	8.322	62	5550	1.58 ug/L	96

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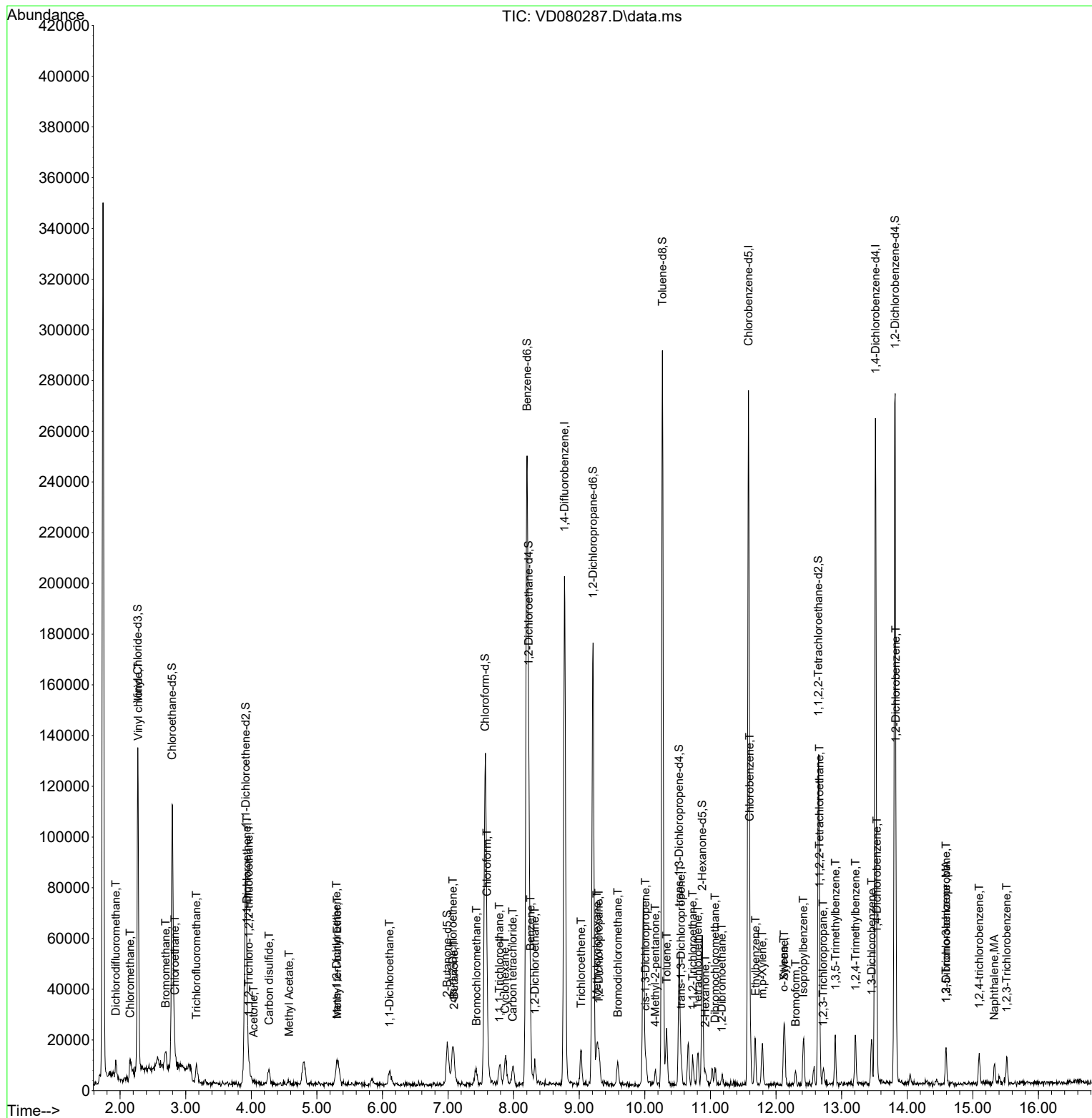
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.869	56	3168	0.92	ug/L #	73
30) 1,1,1-Trichloroethane	7.781	97	6334	1.64	ug/L	97
31) Carbon tetrachloride	7.987	117	5308	1.57	ug/L	94
33) Benzene	8.257	78	16159	1.70	ug/L	100
34) Trichloroethene	9.028	95	3685	1.45	ug/L	84
35) Methylcyclohexane	9.269	83	4619	1.28	ug/L #	87
37) 1,2-Dichloropropane	9.298	63	4762	1.72	ug/L #	87
38) Bromodichloromethane	9.587	83	5581	1.59	ug/L #	98
39) cis-1,3-Dichloropropene	10.010	75	5551	1.38	ug/L	91
40) 4-Methyl-2-pentanone	10.157	43	3031	2.07	ug/L	97
42) Toluene	10.334	91	14208	1.40	ug/L	88
44) trans-1,3-Dichloropropene	10.551	75	5818	1.74	ug/L	93
45) 1,1,2-Trichloroethane	10.728	97	3210	1.55	ug/L	86
46) Tetrachloroethene	10.810	164	2865	1.45	ug/L	84
48) 2-Hexanone	10.922	43	2879	2.71	ug/L	97
49) Dibromochloromethane	11.069	129	3223	1.38	ug/L	88
50) 1,2-Dibromoethane	11.175	107	2678	1.46	ug/L #	84
51) Chlorobenzene	11.598	112	9294	1.38	ug/L	89
52) Ethylbenzene	11.687	91	11892	1.07	ug/L	87
53) m,p-Xylene	11.792	106	4532	1.10	ug/L	81
54) o-Xylene	12.116	106	3930	1.01	ug/L	83
55) Styrene	12.128	104	7504	1.06	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.663	83	4133	1.65	ug/L #	91
59) Bromoform	12.298	173	2077	1.58	ug/L #	81
60) Isopropylbenzene	12.416	105	11077	1.16	ug/L	96
61) 1,2,3-Trichloropropane	12.716	75	2429	1.55	ug/L #	91
62) 1,3,5-Trimethylbenzene	12.904	105	9082	1.21	ug/L	96
63) 1,2,4-Trimethylbenzene	13.210	105	9515	1.25	ug/L	90
64) 1,3-Dichlorobenzene	13.457	146	7016	1.47	ug/L	90
65) 1,4-Dichlorobenzene	13.539	146	7276	1.42	ug/L #	87
67) 1,2-Dichlorobenzene	13.828	146	7011	1.59	ug/L #	87
68) 1,2-Dibromo-3-chloropr...	14.592	75	1058	2.85	ug/L #	4
69) 1,3,5-Trichlorobenzene	14.592	180	4161	1.33	ug/L	96
70) 1,2,4-trichlorobenzene	15.098	180	3614	1.38	ug/L	95
71) Naphthalene	15.328	128	6302	1.29	ug/L	94
72) 1,2,3-Trichlorobenzene	15.516	180	2932	1.24	ug/L	88

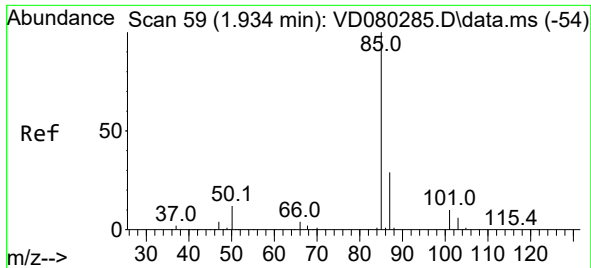
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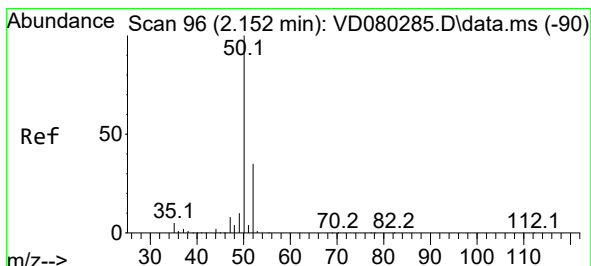
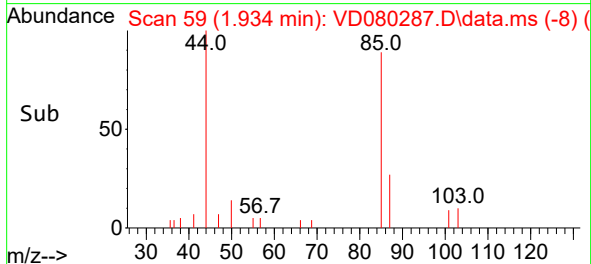
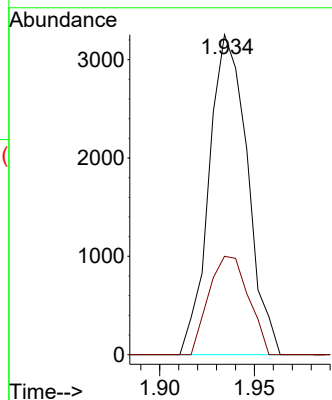
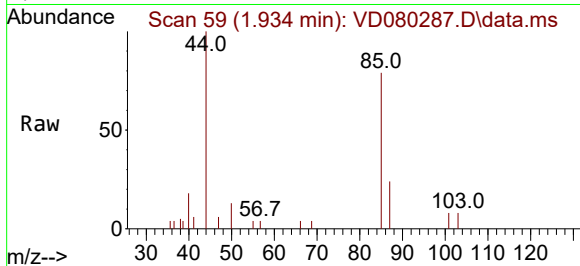




#2
Dichlorodifluoromethane
Concen: 1.46 ug/L
RT: 1.934 min Scan# 59
Delta R.T. -0.000 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

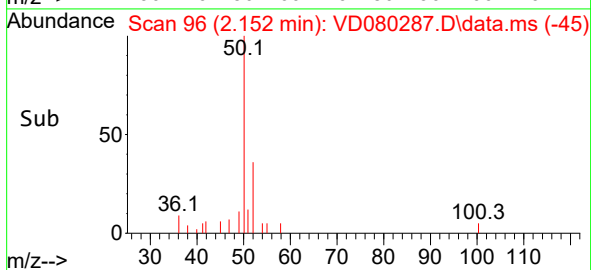
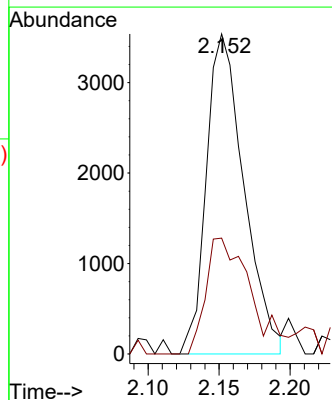
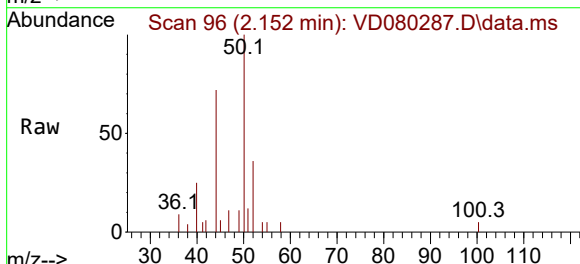
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-02

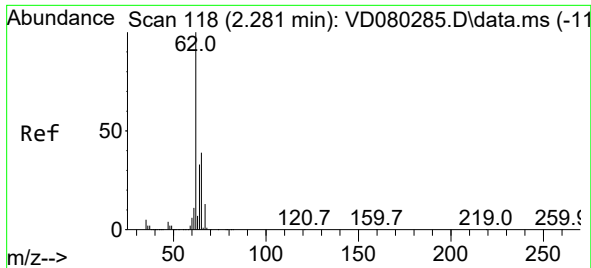
Tgt Ion: 85 Resp: 4581
Ion Ratio Lower Upper
85 100
87 31.8 25.6 38.4



#3
Chloromethane
Concen: 1.28 ug/L
RT: 2.152 min Scan# 96
Delta R.T. -0.000 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

Tgt Ion: 50 Resp: 6517
Ion Ratio Lower Upper
50 100
52 36.2 23.1 42.9

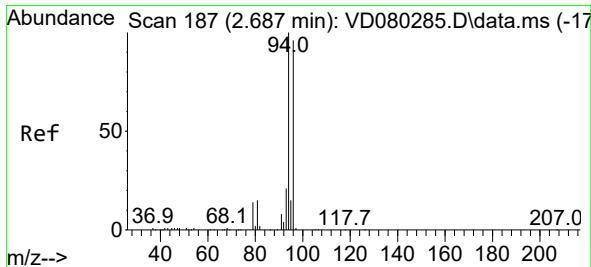
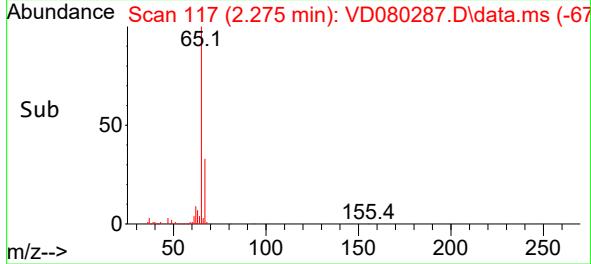
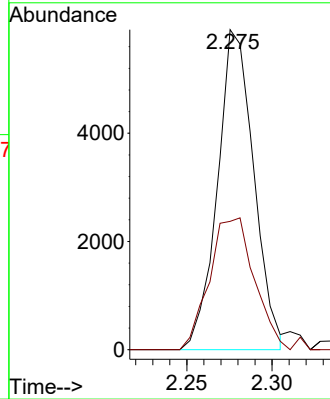
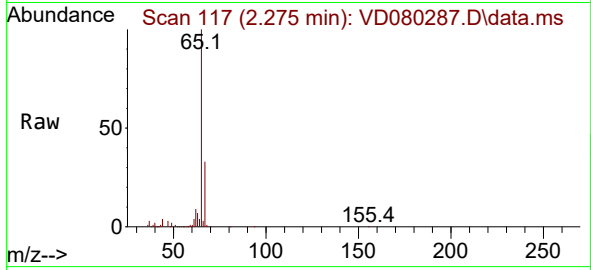




#5
 Vinyl chloride
 Concen: 1.33 ug/L
 RT: 2.275 min Scan# 117
 Delta R.T. -0.006 min
 Lab File: VD080287.D
 Acq: 19 Mar 2025 12:00

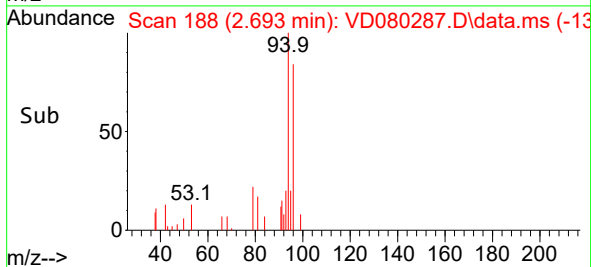
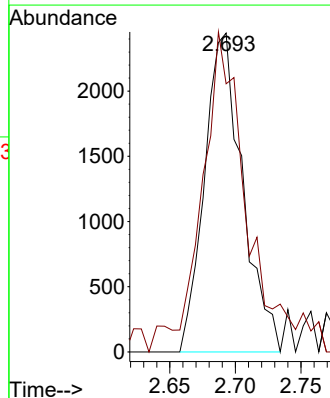
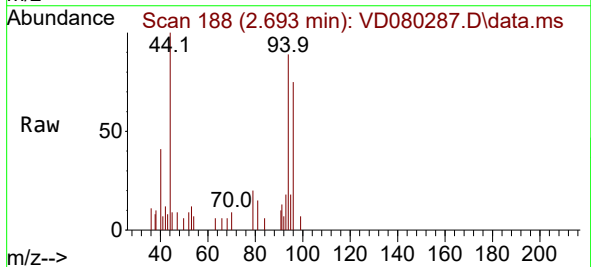
Instrument :
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 ClientSampleId :
 MDL-SOIL-QT1-2025-02

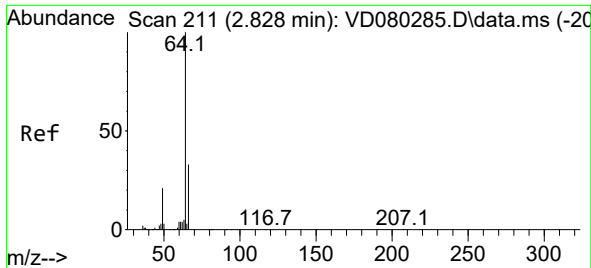
Tgt Ion: 62 Resp: 8766
 Ion Ratio Lower Upper
 62 100
 64 40.1 21.3 39.6#



#6
 Bromomethane
 Concen: 1.44 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.006 min
 Lab File: VD080287.D
 Acq: 19 Mar 2025 12:00

Tgt Ion: 94 Resp: 4941
 Ion Ratio Lower Upper
 94 100
 96 84.1 70.3 130.5





#8

Chloroethane

Concen: 1.39 ug/L

RT: 2.834 min Scan# 211

Delta R.T. 0.006 min

Lab File: VD080287.D

Acq: 19 Mar 2025 12:00

Instrument :

MSVOA_D

ClientSampleId :

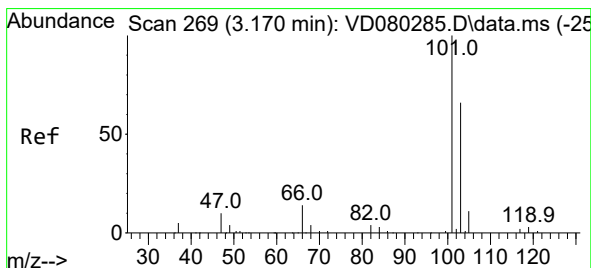
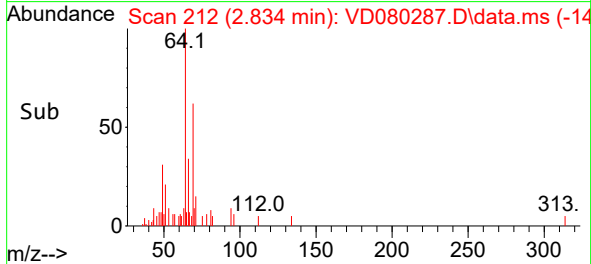
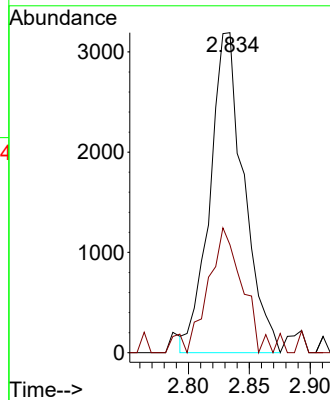
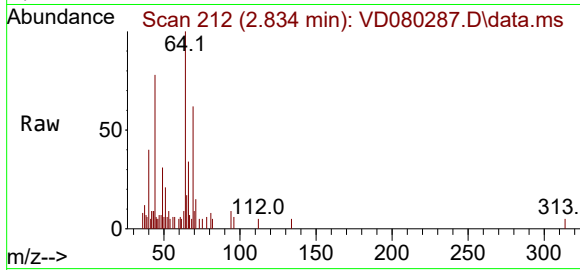
MDL-SOIL-QT1-2025-02

Tgt Ion: 64 Resp: 6217

Ion Ratio Lower Upper

64 100

66 33.7 22.3 41.3



#9

Trichlorofluoromethane

Concen: 1.45 ug/L

RT: 3.164 min Scan# 268

Delta R.T. -0.006 min

Lab File: VD080287.D

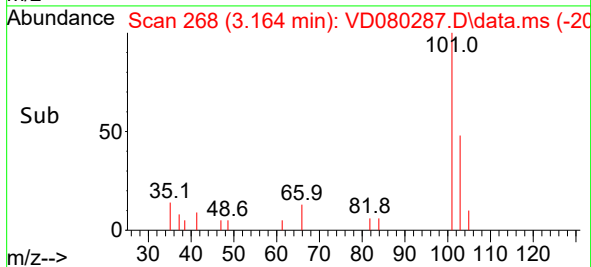
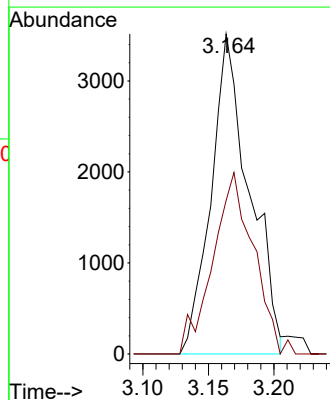
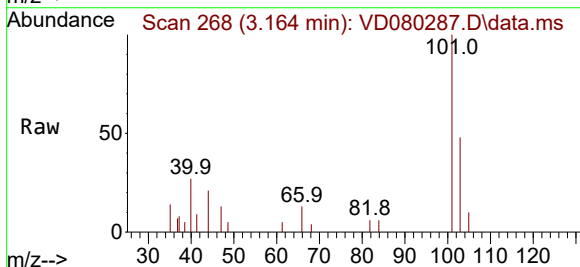
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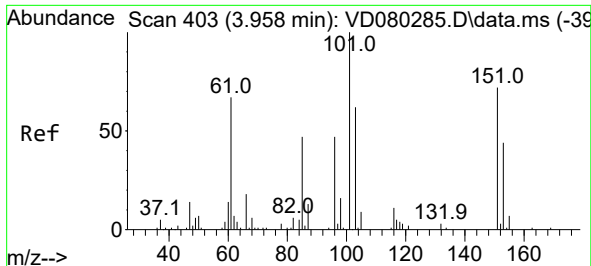
Tgt Ion:101 Resp: 7159

Ion Ratio Lower Upper

101 100

103 59.3 52.0 78.0

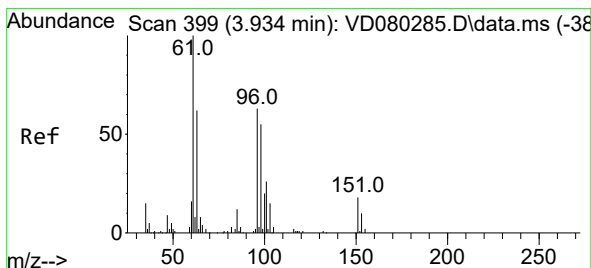
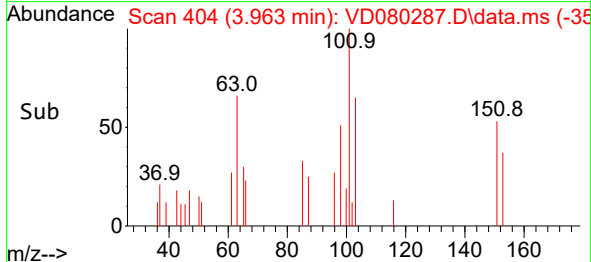
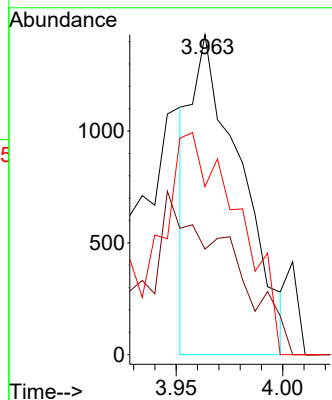
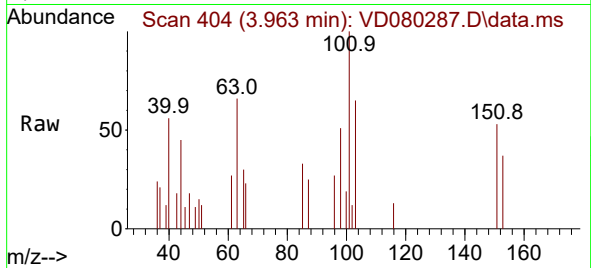




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.81 ug/L
 RT: 3.963 min Scan# 403
 Delta R.T. 0.006 min
 Lab File: VD080287.D
 Acq: 19 Mar 2025 12:00

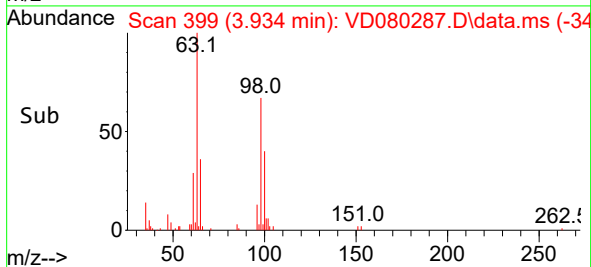
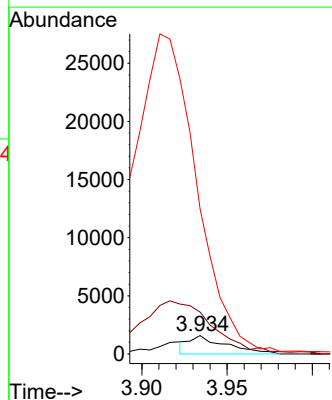
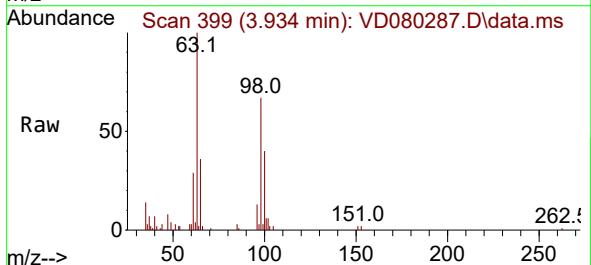
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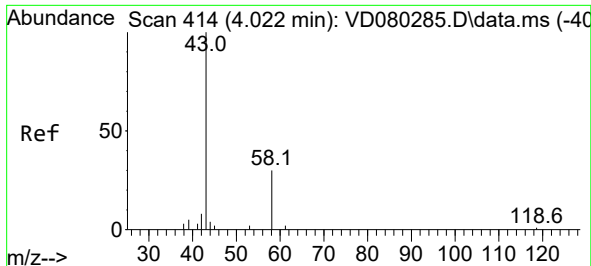
Tgt Ion:101 Resp: 2346
 Ion Ratio Lower Upper
 101 100
 85 14.2 35.7 53.5#
 151 101.8 55.6 83.4#



#12
 1,1-Dichloroethene
 Concen: 0.95 ug/L
 RT: 3.934 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VD080287.D
 Acq: 19 Mar 2025 12:00

Tgt Ion: 96 Resp: 2359
 Ion Ratio Lower Upper
 96 100
 61 228.9 112.5 208.9#
 63 792.4 71.3 132.5#





#13

Acetone

Concen: 2.67 ug/L

RT: 4.034 min Scan# 414

Delta R.T. 0.012 min

Lab File: VD080287.D

Acq: 19 Mar 2025 12:00

Instrument :

MSVOA_D

ClientSampleId :

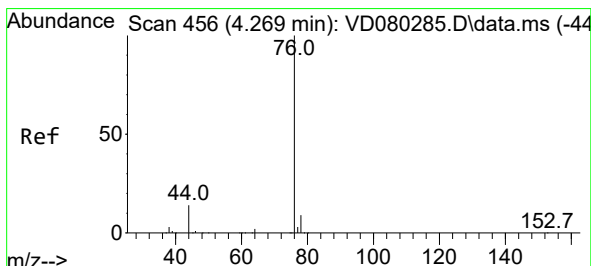
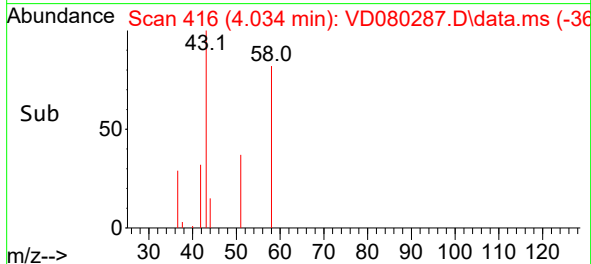
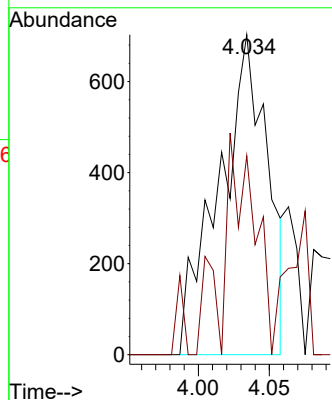
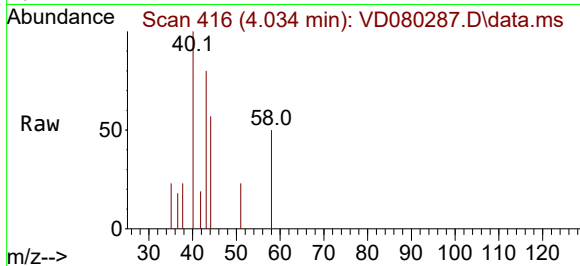
MDL-SOIL-QT1-2025-02

Tgt Ion: 43 Resp: 1679

Ion Ratio Lower Upper

43 100

58 36.7 0.0 65.2



#14

Carbon disulfide

Concen: 1.22 ug/L

RT: 4.269 min Scan# 456

Delta R.T. -0.000 min

Lab File: VD080287.D

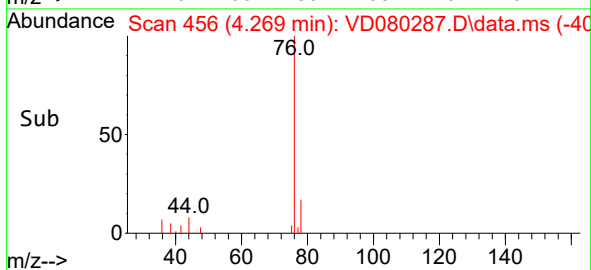
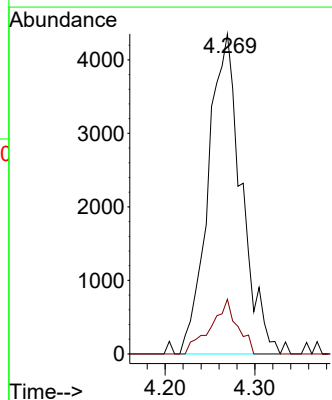
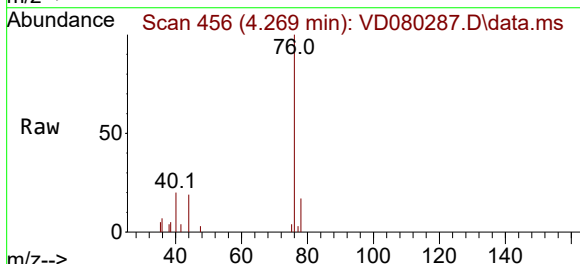
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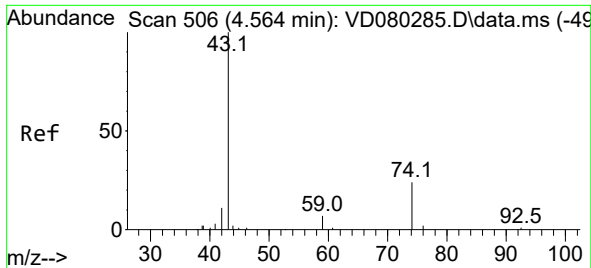
Tgt Ion: 76 Resp: 11206

Ion Ratio Lower Upper

76 100

78 17.1 7.2 10.8#

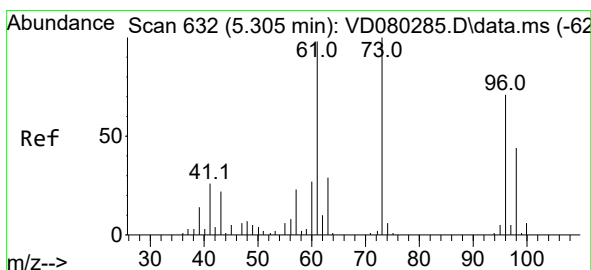
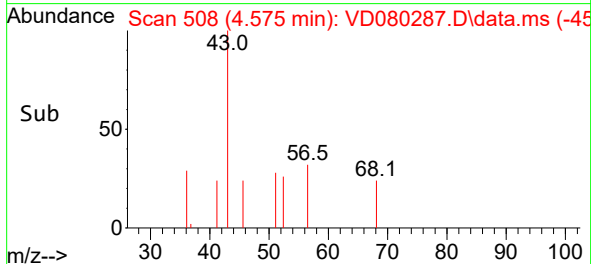
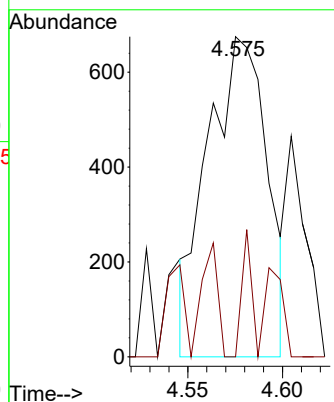
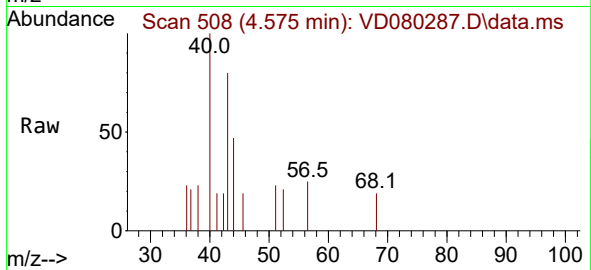




#15
Methyl Acetate
Concen: 1.10 ug/L
RT: 4.575 min Scan# 508
Delta R.T. 0.012 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

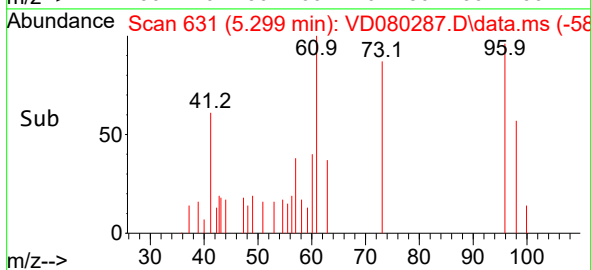
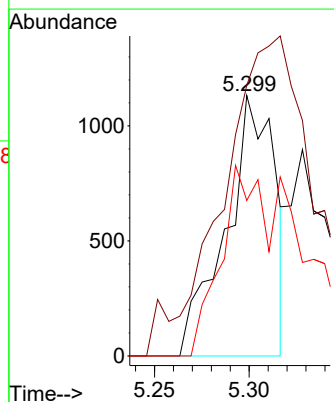
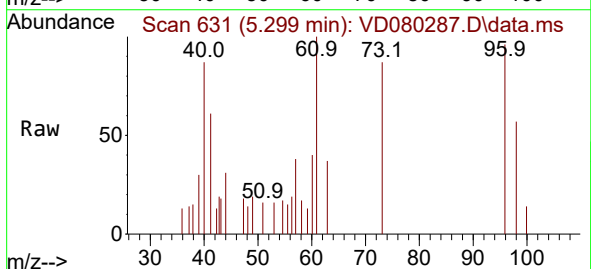
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-02

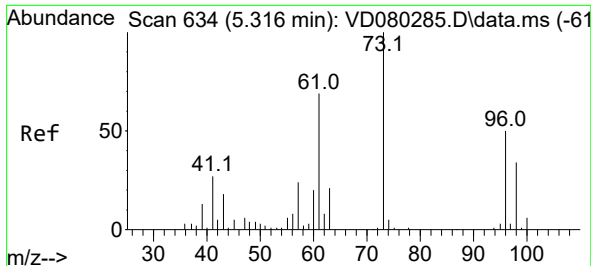
Tgt Ion: 43 Resp: 1464
Ion Ratio Lower Upper
43 100
74 6.5 17.2 25.8#



#17
trans-1,2-Dichloroethene
Concen: 0.76 ug/L
RT: 5.299 min Scan# 631
Delta R.T. -0.006 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

Tgt Ion: 96 Resp: 2036
Ion Ratio Lower Upper
96 100
61 103.9 92.4 171.6
98 59.7 45.1 83.7

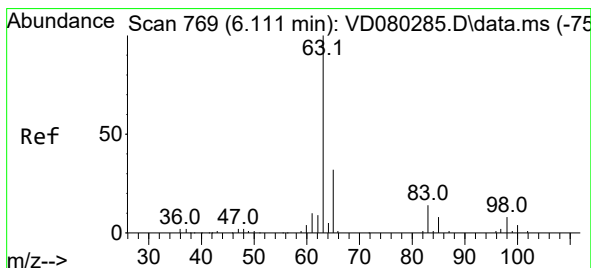
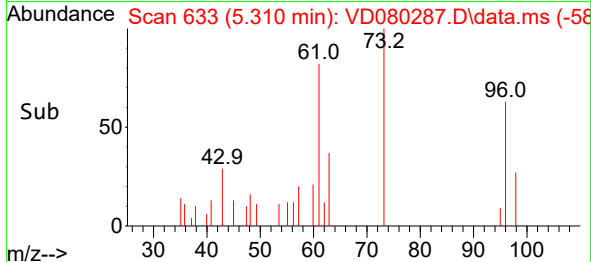
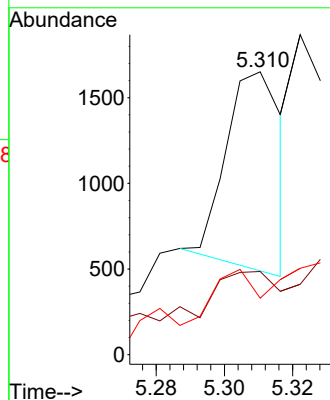
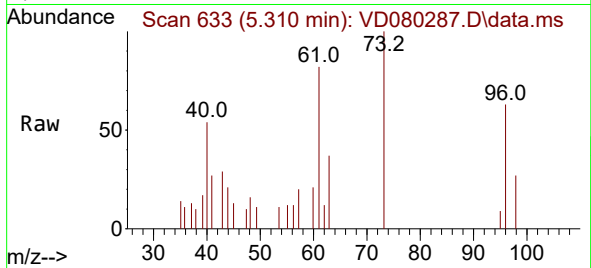




#18
Methyl tert-butyl Ether
Concen: 0.23 ug/L
RT: 5.310 min Scan# 61
Delta R.T. -0.006 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

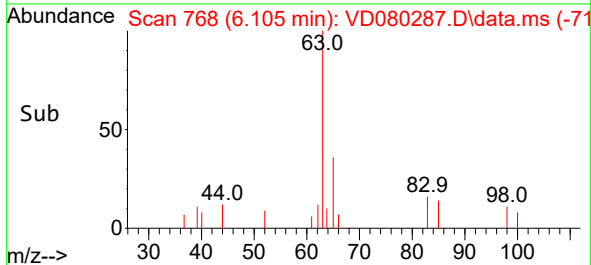
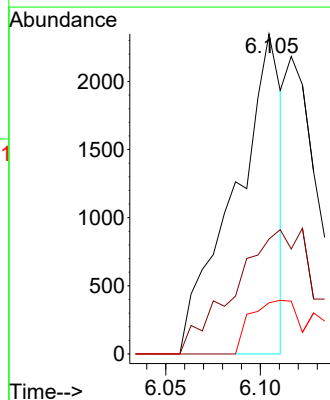
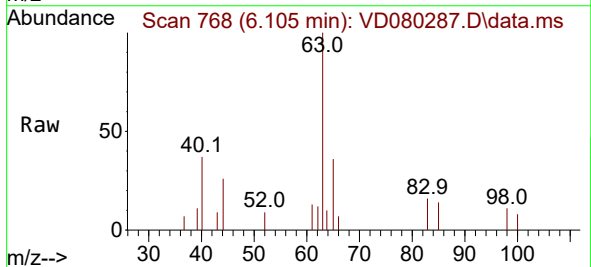
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-02

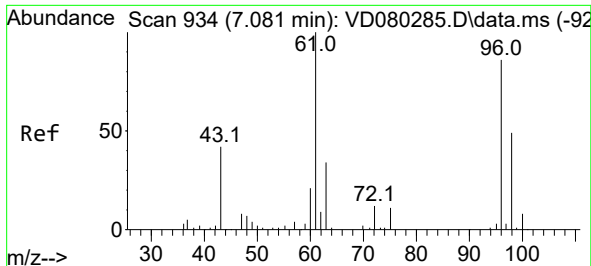
Tgt Ion: 73 Resp: 1274
Ion Ratio Lower Upper
73 100
43 37.5 17.2 25.8#
57 41.4 18.8 28.2#



#19
1,1-Dichloroethane
Concen: 0.77 ug/L
RT: 6.105 min Scan# 768
Delta R.T. -0.006 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

Tgt Ion: 63 Resp: 4045
Ion Ratio Lower Upper
63 100
65 35.9 22.4 41.6
83 16.0 8.8 16.3

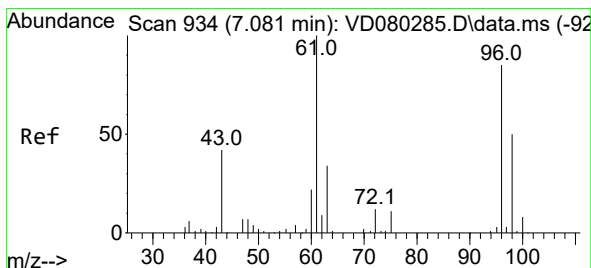
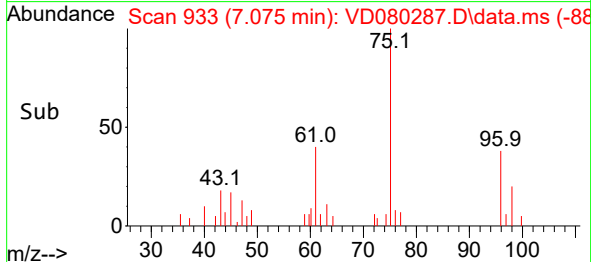
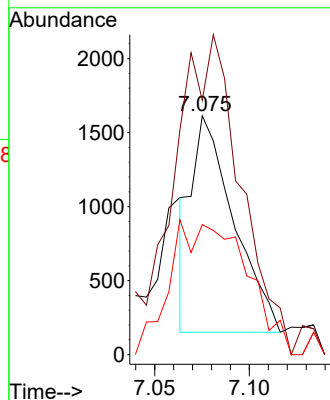
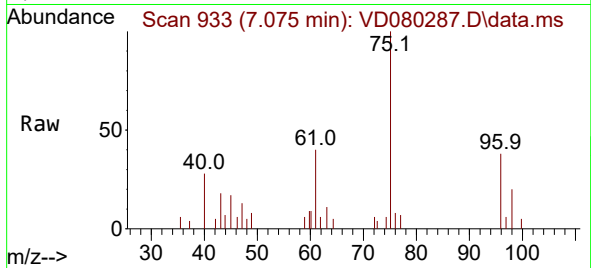




#20
 cis-1,2-Dichloroethene
 Concen: 0.78 ug/L
 RT: 7.075 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VD080287.D
 Acq: 19 Mar 2025 12:00

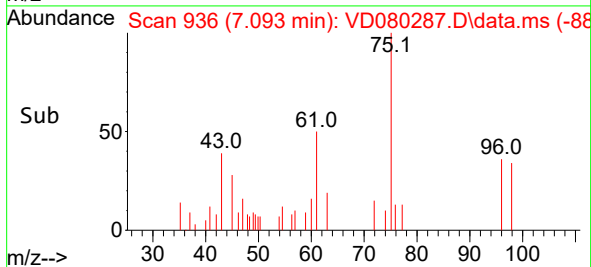
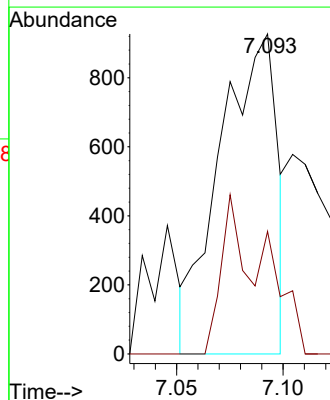
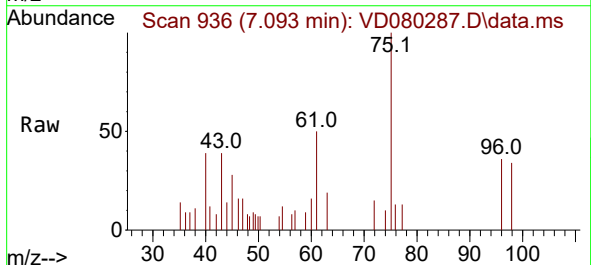
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT1-2025-02

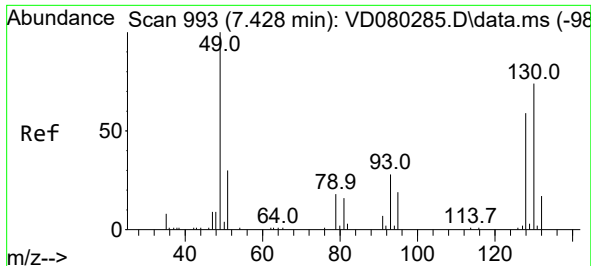
Tgt Ion: 96 Resp: 2264
 Ion Ratio Lower Upper
 96 100
 61 106.5 87.8 163.0
 98 54.5 43.7 81.1



#22
 2-Butanone
 Concen: 2.20 ug/L
 RT: 7.093 min Scan# 936
 Delta R.T. 0.012 min
 Lab File: VD080287.D
 Acq: 19 Mar 2025 12:00

Tgt Ion: 43 Resp: 1732
 Ion Ratio Lower Upper
 43 100
 72 14.4 5.9 17.8

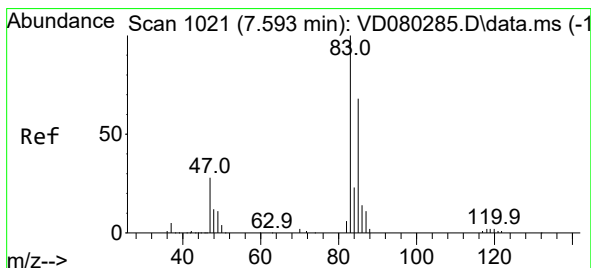
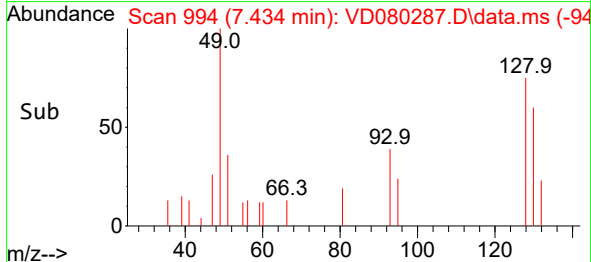
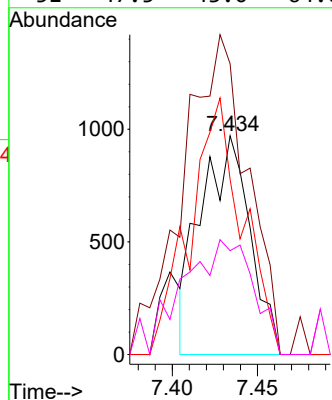
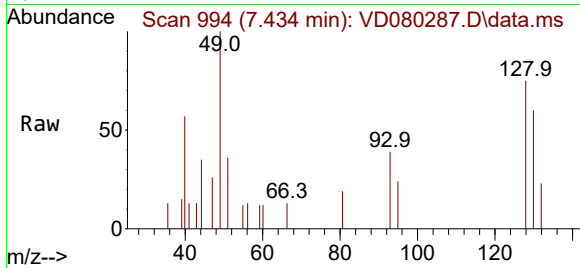




#23
Bromochloromethane
Concen: 1.42 ug/L
RT: 7.434 min Scan# 994
Delta R.T. 0.006 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

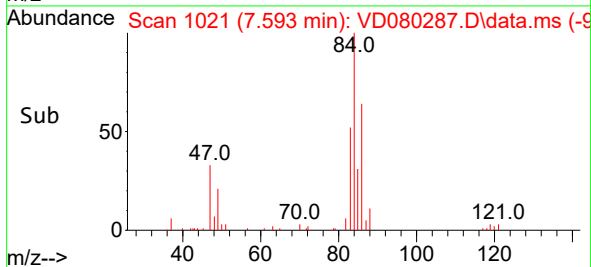
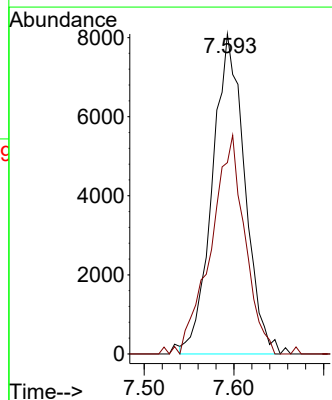
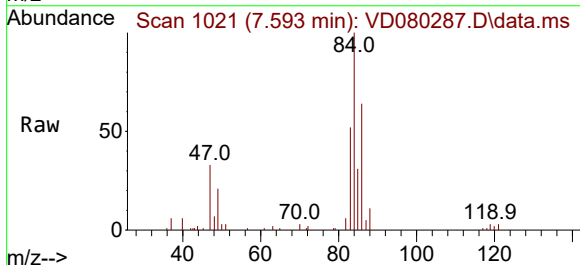
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-02

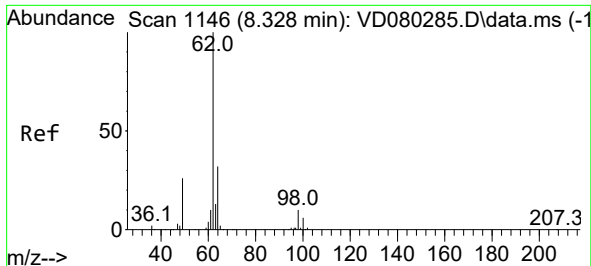
Tgt Ion:128 Resp: 1953
Ion Ratio Lower Upper
128 100
49 133.0 112.6 209.0
130 80.0 89.7 166.5#
51 47.5 43.0 64.6



#25
Chloroform
Concen: 3.59 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

Tgt Ion: 83 Resp: 20223
Ion Ratio Lower Upper
83 100
85 59.8 45.1 83.7





#27

1,2-Dichloroethane

Concen: 1.58 ug/L

RT: 8.322 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VD080287.D

Acq: 19 Mar 2025 12:00

Instrument :

MSVOA_D

ClientSampleId :

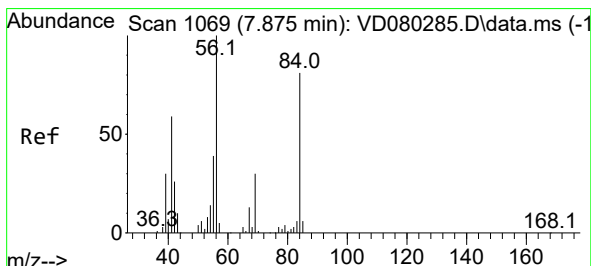
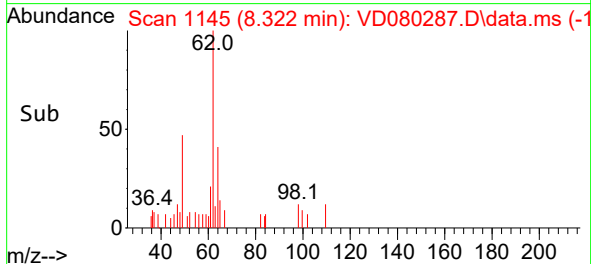
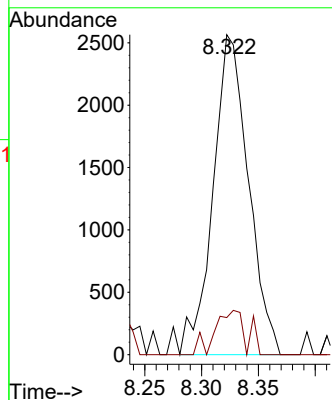
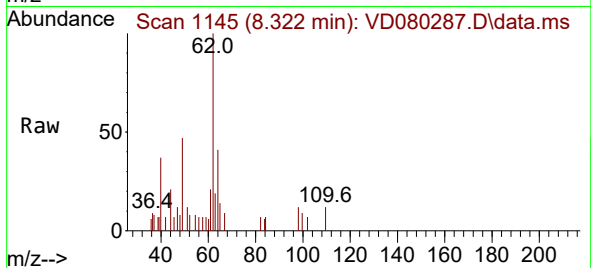
MDL-SOIL-QT1-2025-02

Tgt Ion: 62 Resp: 5550

Ion Ratio Lower Upper

62 100

98 11.6 8.2 12.2



#29

Cyclohexane

Concen: 0.92 ug/L

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD080287.D

Acq: 19 Mar 2025 12:00

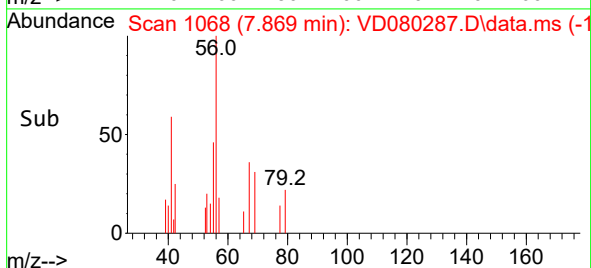
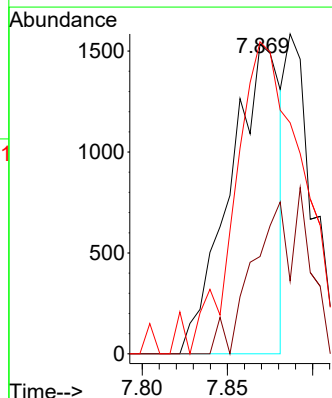
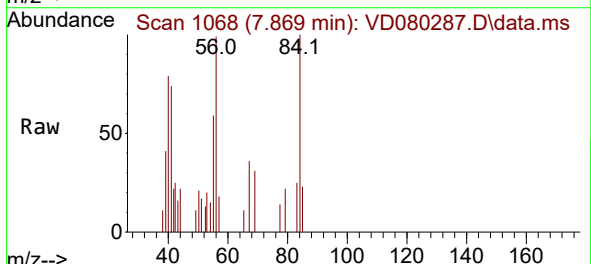
Tgt Ion: 56 Resp: 3168

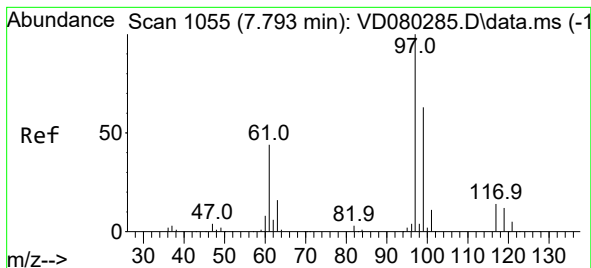
Ion Ratio Lower Upper

56 100

69 33.1 24.6 37.0

84 122.5 71.4 107.2#





#30

1,1,1-Trichloroethane

Concen: 1.64 ug/L

RT: 7.781 min Scan# 1053

Delta R.T. -0.012 min

Lab File: VD080287.D

Acq: 19 Mar 2025 12:00

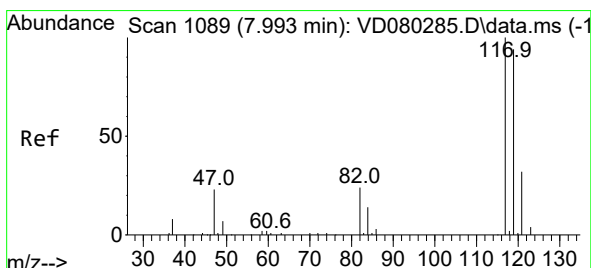
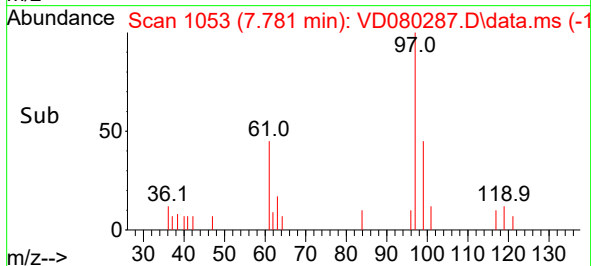
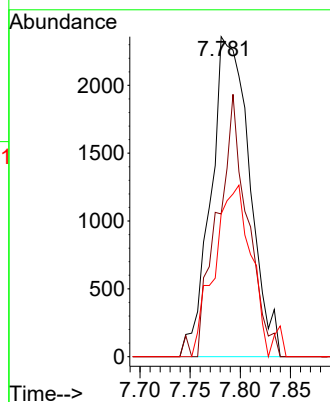
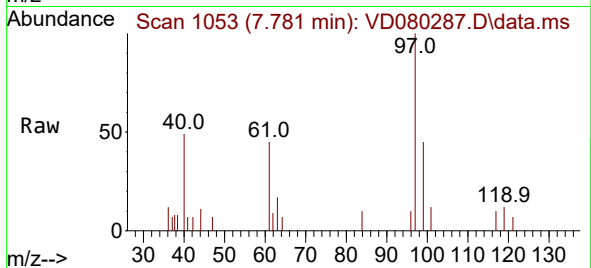
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2025-02

Tgt Ion: 97	Resp: 6334
Ion Ratio	Lower Upper
97 100	
99 63.2	51.9 77.9
61 43.5	36.7 55.1



#31

Carbon tetrachloride

Concen: 1.57 ug/L

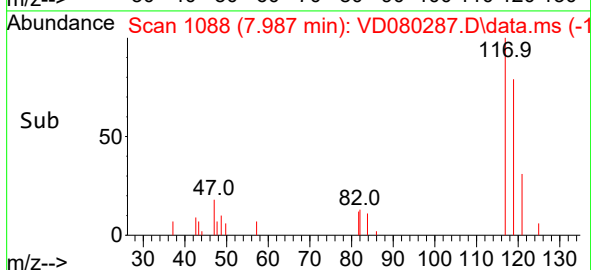
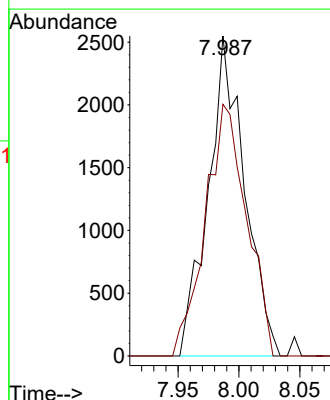
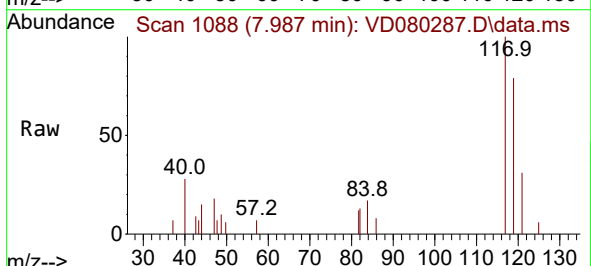
RT: 7.987 min Scan# 1088

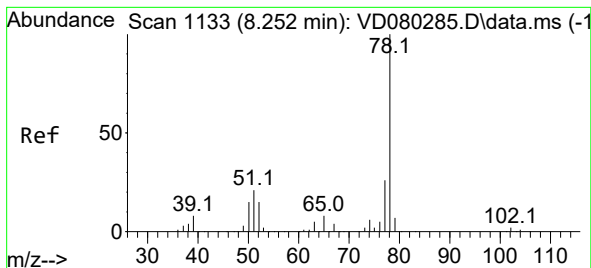
Delta R.T. -0.006 min

Lab File: VD080287.D

Acq: 19 Mar 2025 12:00

Tgt Ion: 117	Resp: 5308
Ion Ratio	Lower Upper
117 100	
119 89.1	76.0 114.0





#33

Benzene

Concen: 1.70 ug/L

RT: 8.257 min Scan# 1134

Delta R.T. 0.006 min

Lab File: VD080287.D

Acq: 19 Mar 2025 12:00

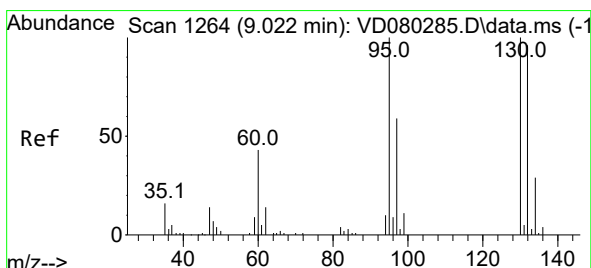
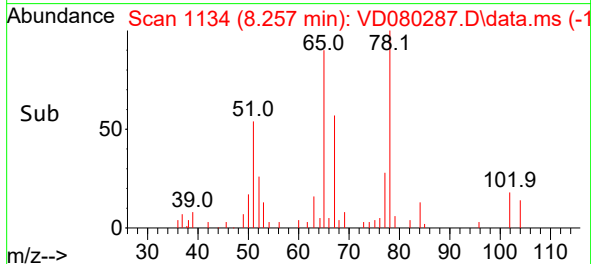
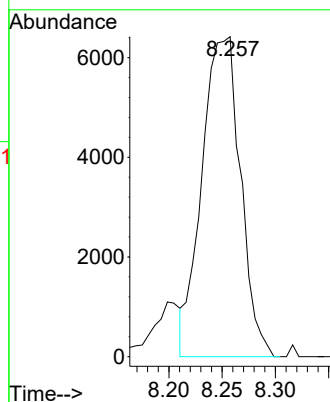
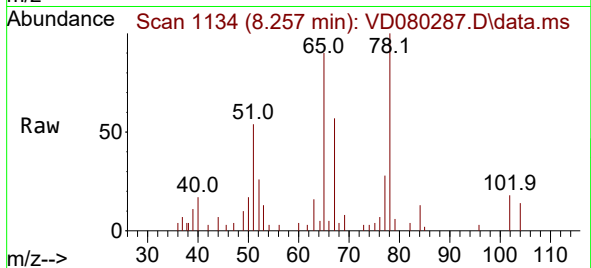
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2025-02

Tgt Ion: 78 Resp: 16159



#34

Trichloroethene

Concen: 1.45 ug/L

RT: 9.028 min Scan# 1265

Delta R.T. 0.006 min

Lab File: VD080287.D

Acq: 19 Mar 2025 12:00

Tgt Ion: 95 Resp: 3685

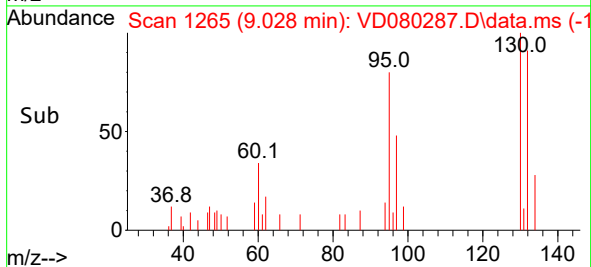
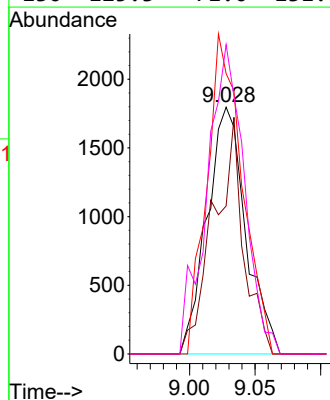
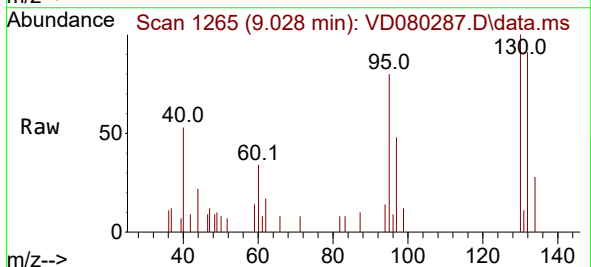
Ion Ratio Lower Upper

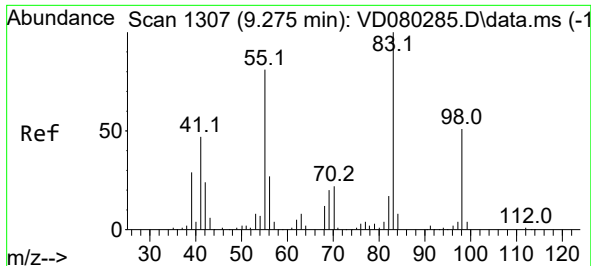
95 100

97 60.0 45.1 83.7

132 113.6 69.5 129.1

130 125.3 71.0 131.8





#35

Methylcyclohexane

Concen: 1.28 ug/L

RT: 9.269 min Scan# 1306

Delta R.T. -0.006 min

Lab File: VD080287.D

Acq: 19 Mar 2025 12:00

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2025-02

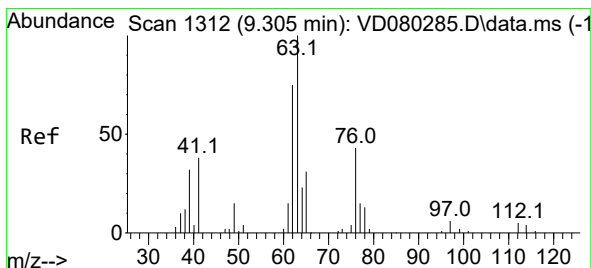
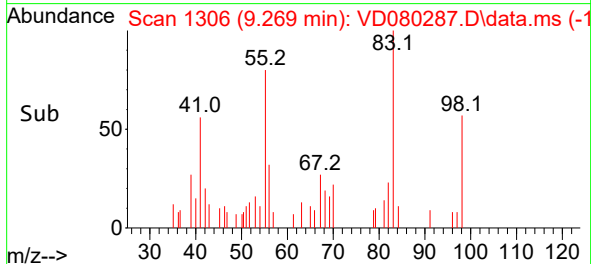
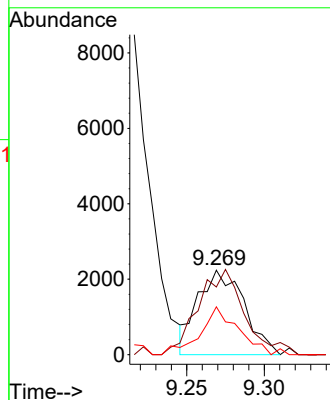
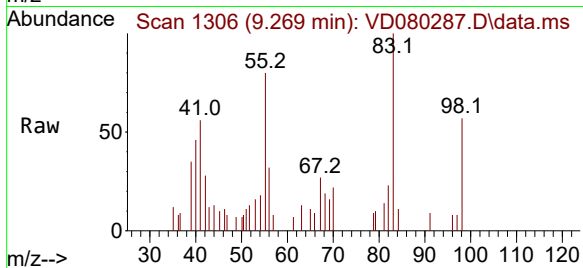
Tgt Ion: 83 Resp: 4619

Ion Ratio Lower Upper

83 100

55 97.7 65.0 97.6#

98 46.3 39.0 58.6



#37

1,2-Dichloropropane

Concen: 1.72 ug/L

RT: 9.298 min Scan# 1311

Delta R.T. -0.006 min

Lab File: VD080287.D

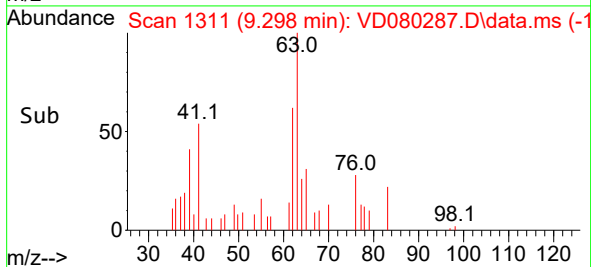
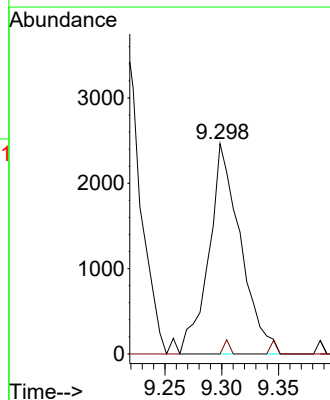
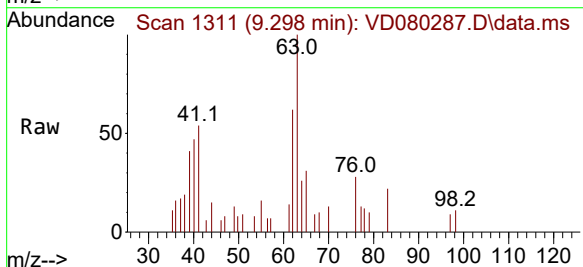
Acq: 19 Mar 2025 12:00

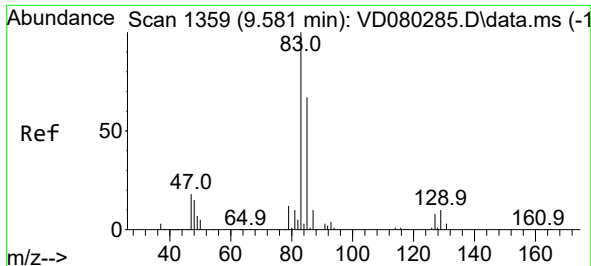
Tgt Ion: 63 Resp: 4762

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#

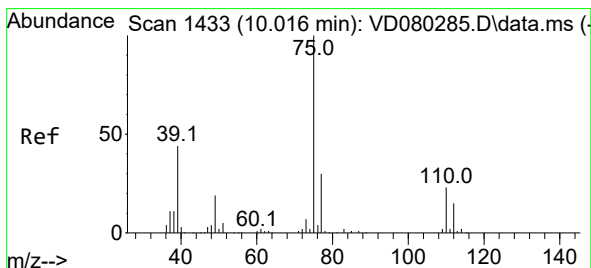
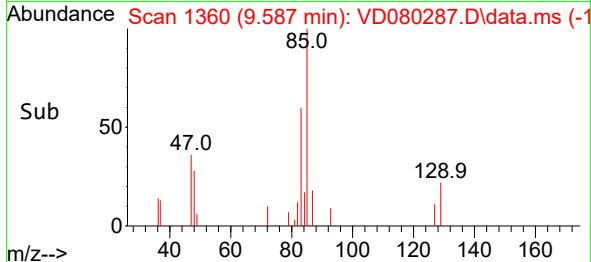
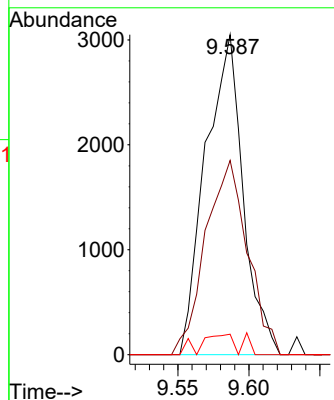
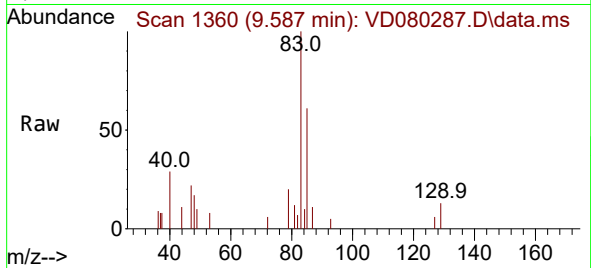




#38
Bromodichloromethane
Concen: 1.59 ug/L
RT: 9.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

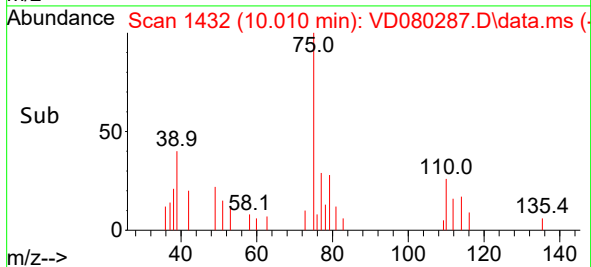
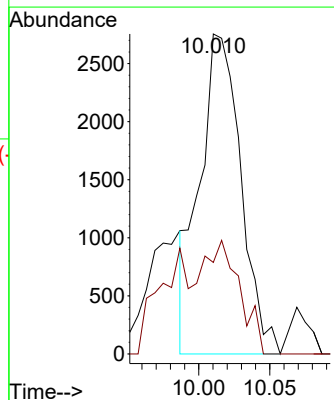
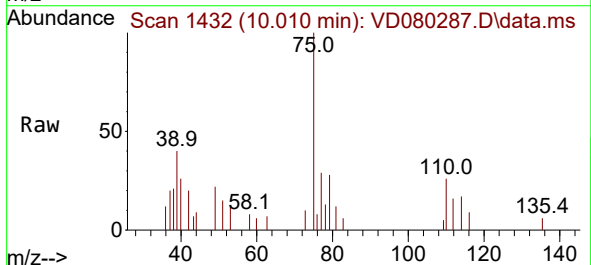
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-02

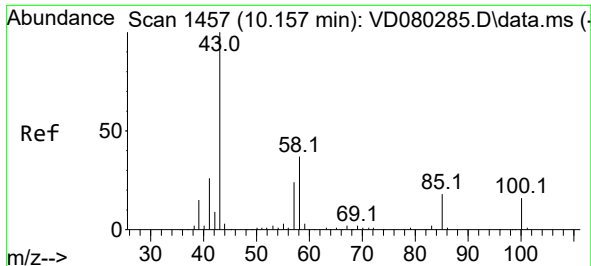
Tgt Ion: 83 Resp: 5581
Ion Ratio Lower Upper
83 100
85 60.7 41.4 77.0
127 6.4 6.6 10.0#



#39
cis-1,3-Dichloropropene
Concen: 1.38 ug/L
RT: 10.010 min Scan# 1432
Delta R.T. -0.006 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

Tgt Ion: 75 Resp: 5551
Ion Ratio Lower Upper
75 100
77 28.6 23.7 43.9

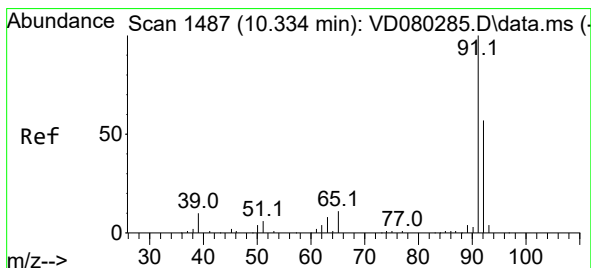
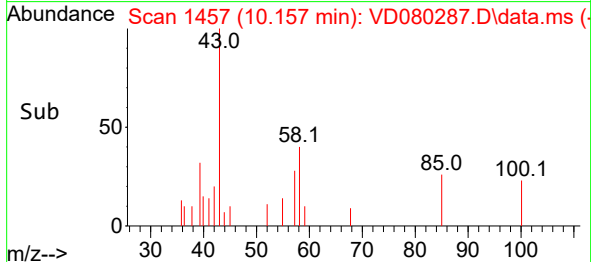
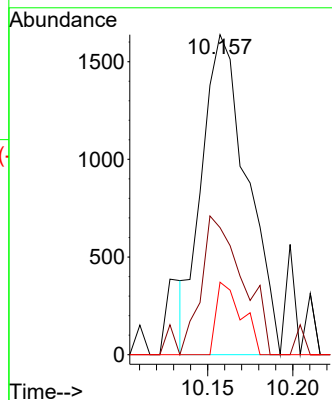
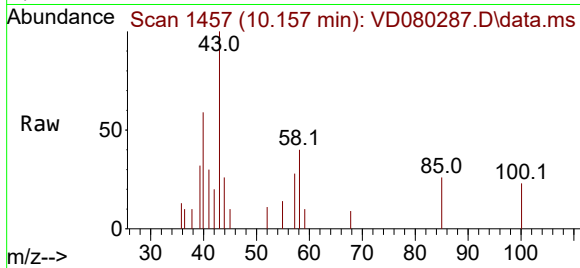




#40
4-Methyl-2-pentanone
Concen: 2.07 ug/L
RT: 10.157 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

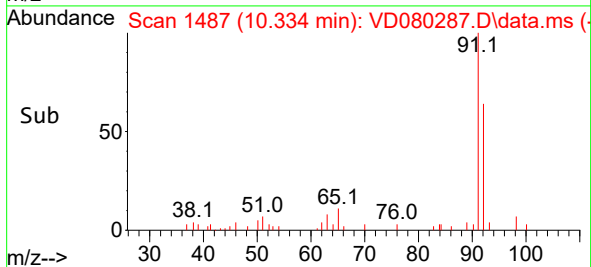
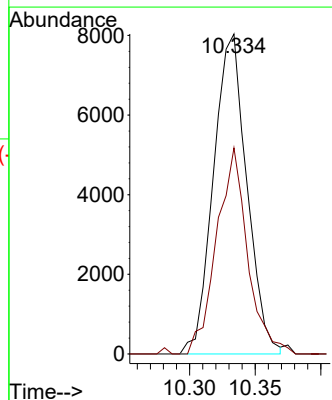
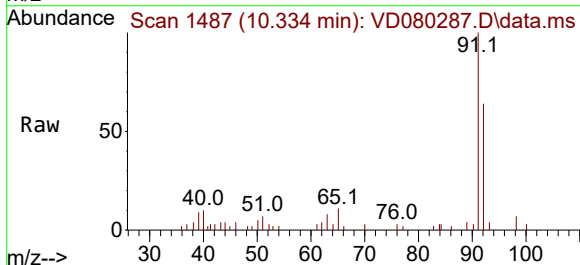
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-02

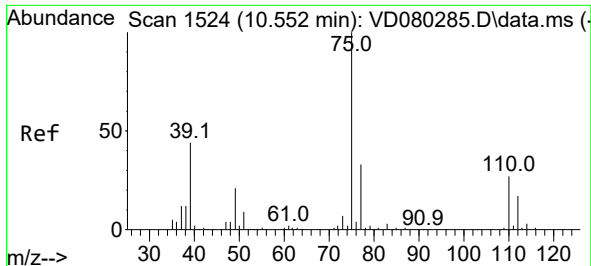
Tgt Ion:	43	Resp:	3031
Ion	Ratio	Lower	Upper
43	100		
58	35.4	29.9	44.9
100	12.7	11.3	16.9



#42
Toluene
Concen: 1.40 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

Tgt Ion:	91	Resp:	14208
Ion	Ratio	Lower	Upper
91	100		
92	64.4	38.9	72.3

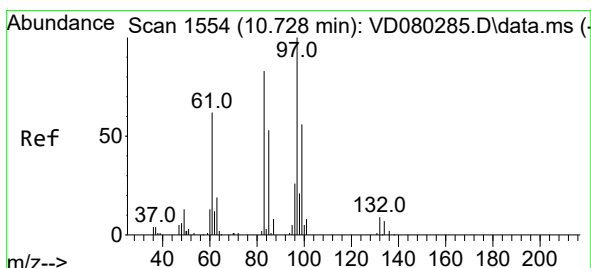
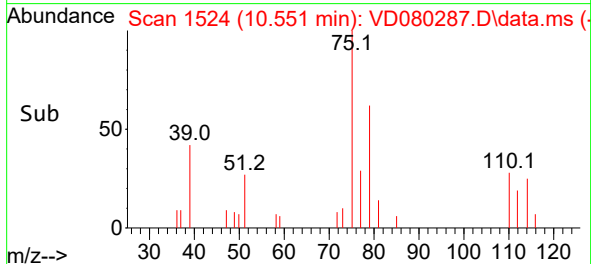
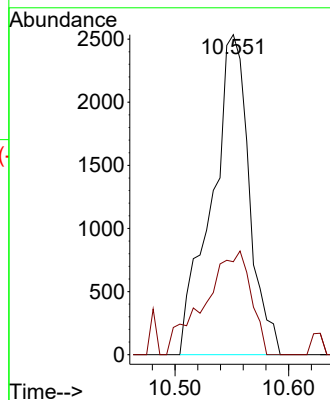
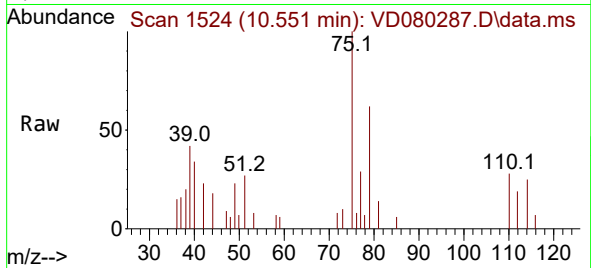




#44
trans-1,3-Dichloropropene
Concen: 1.74 ug/L
RT: 10.551 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

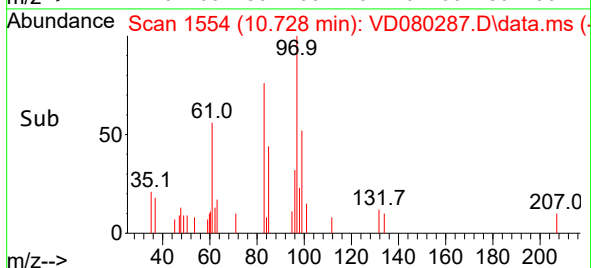
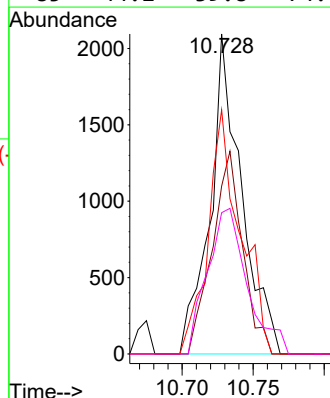
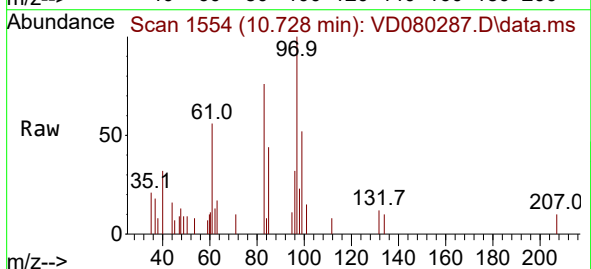
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-02

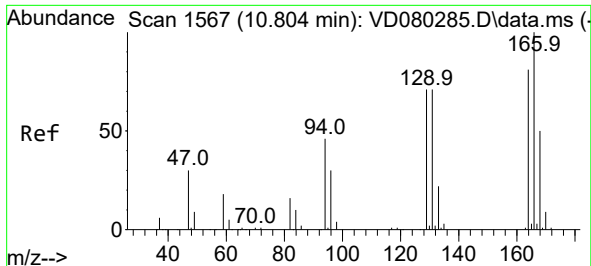
Tgt Ion: 75 Resp: 5818
Ion Ratio Lower Upper
75 100
77 29.0 22.9 42.5



#45
1,1,2-Trichloroethane
Concen: 1.55 ug/L
RT: 10.728 min Scan# 1554
Delta R.T. -0.000 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

Tgt Ion: 97 Resp: 3210
Ion Ratio Lower Upper
97 100
99 52.5 43.0 79.8
83 76.3 62.2 115.4
85 44.2 39.8 74.0

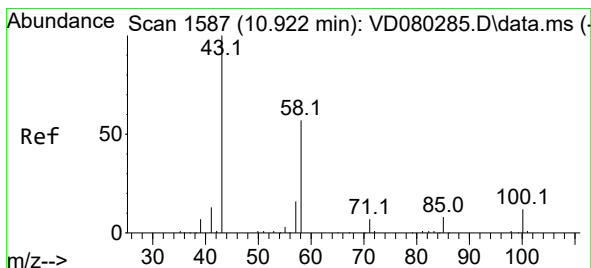
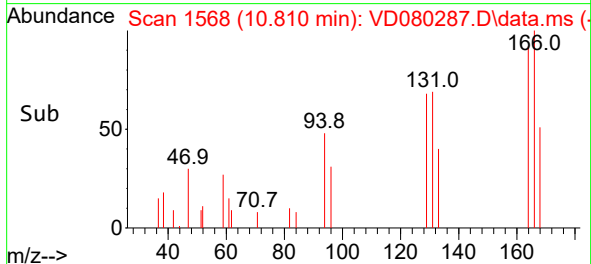
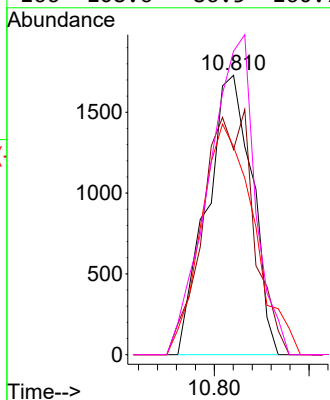
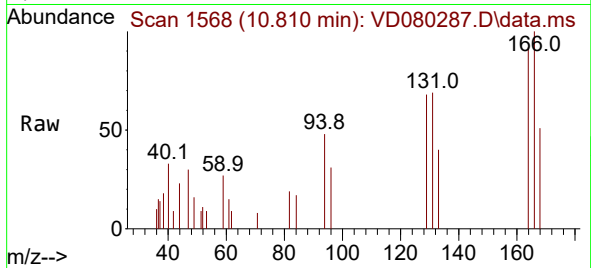




#46
Tetrachloroethene
Concen: 1.45 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

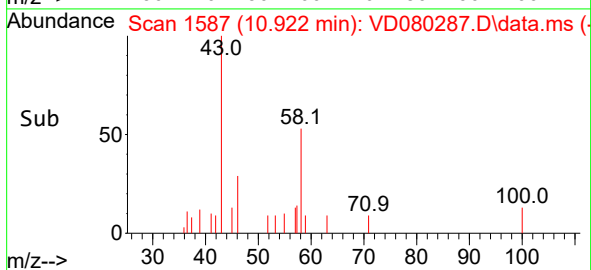
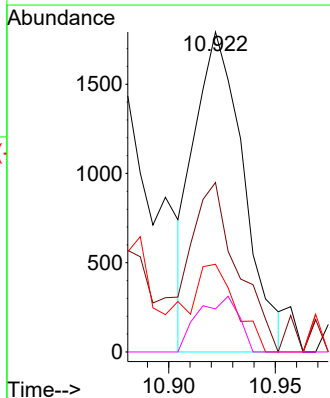
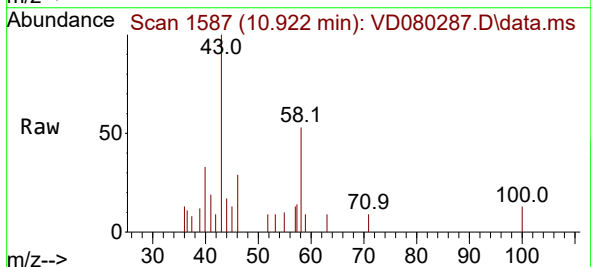
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-02

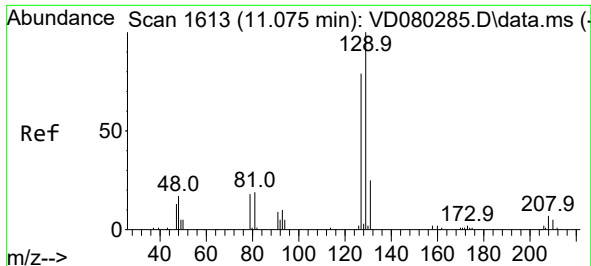
Tgt Ion:164 Resp: 2865
Ion Ratio Lower Upper
164 100
129 73.5 64.9 120.5
131 74.4 61.5 114.3
166 108.6 86.5 160.7



#48
2-Hexanone
Concen: 2.71 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

Tgt Ion: 43 Resp: 2879
Ion Ratio Lower Upper
43 100
58 52.0 42.8 64.2
57 20.5 15.0 22.4
100 14.3 9.7 14.5

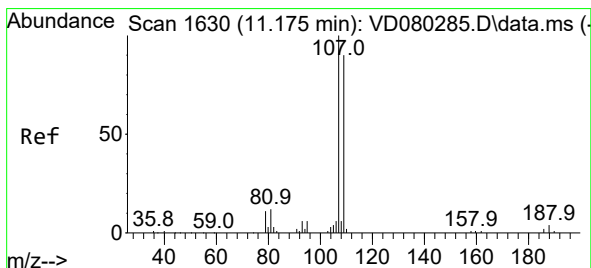
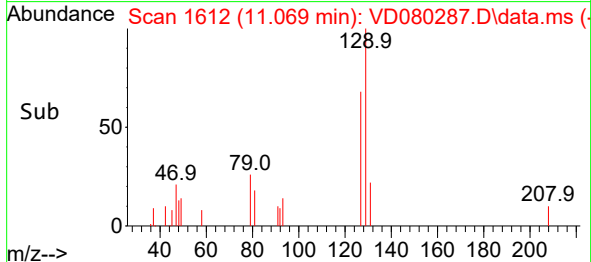
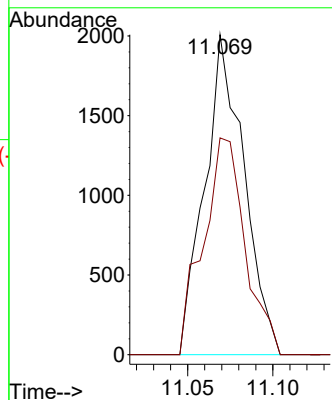
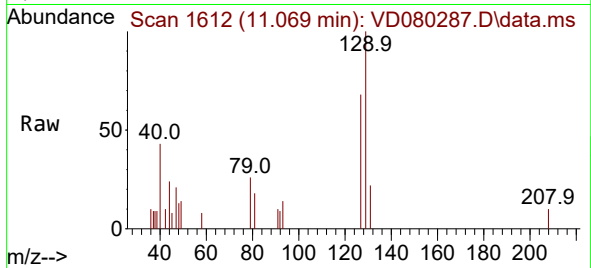




#49
Dibromochloromethane
Concen: 1.38 ug/L
RT: 11.069 min Scan# 1612
Delta R.T. -0.006 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

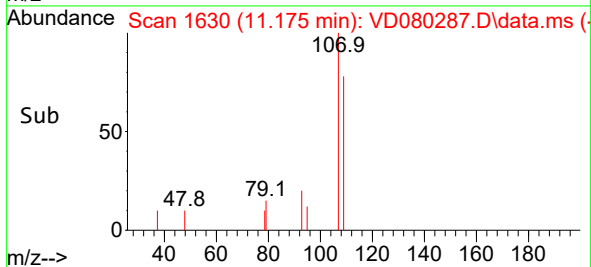
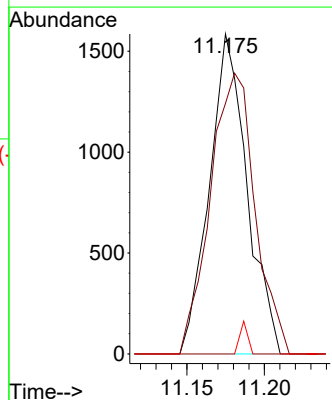
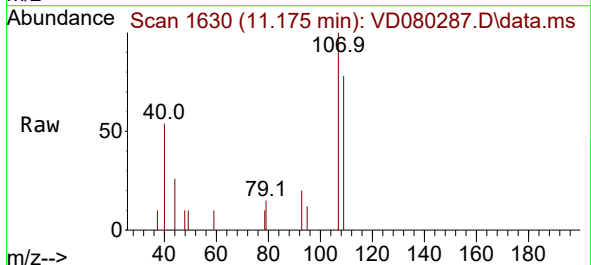
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-02

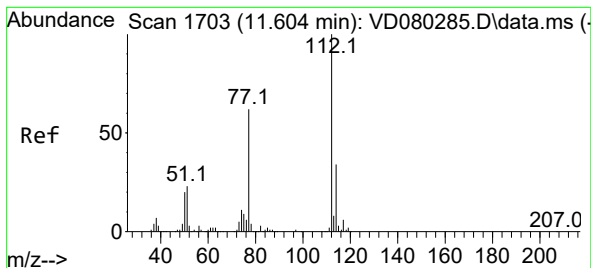
Tgt Ion:129 Resp: 3223
Ion Ratio Lower Upper
129 100
127 67.8 54.9 101.9



#50
1,2-Dibromoethane
Concen: 1.46 ug/L
RT: 11.175 min Scan# 1630
Delta R.T. -0.000 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

Tgt Ion:107 Resp: 2678
Ion Ratio Lower Upper
107 100
109 78.3 65.5 121.6
188 0.0 2.2 3.2#





#51

Chlorobenzene

Concen: 1.38 ug/L

RT: 11.598 min Scan# 1702

Delta R.T. -0.006 min

Lab File: VD080287.D

Acq: 19 Mar 2025 12:00

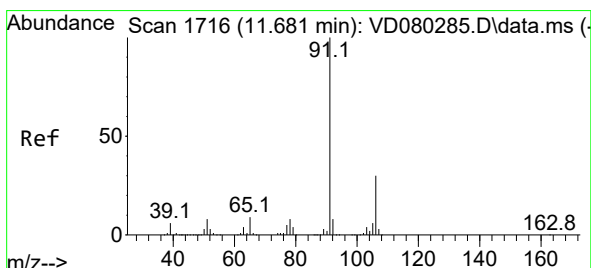
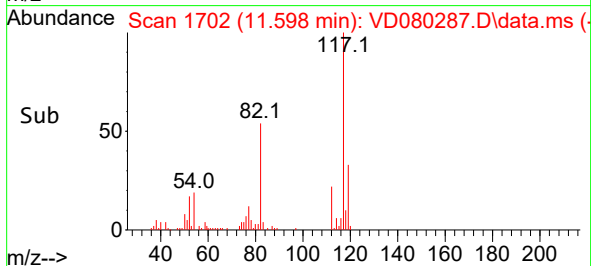
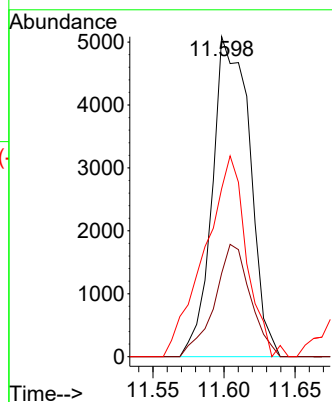
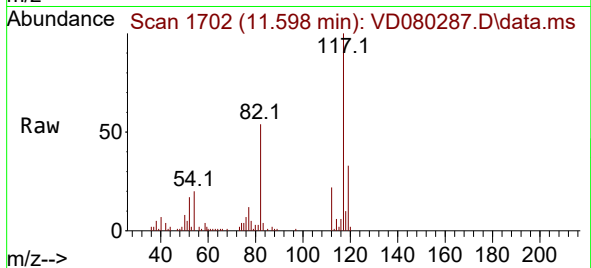
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2025-02

Tgt Ion:112	Resp:	9294
Ion	Ratio	Lower Upper
112	100	
114	26.1	21.8 40.6
77	52.5	48.8 73.2



#52

Ethylbenzene

Concen: 1.07 ug/L

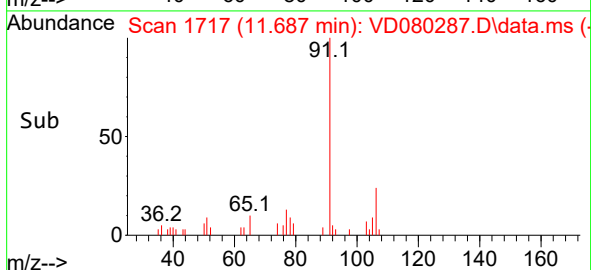
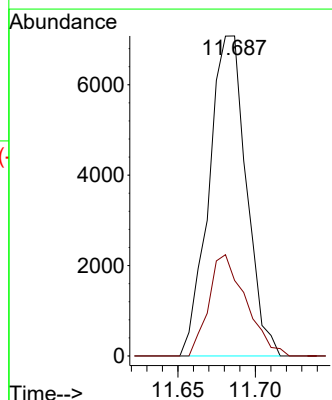
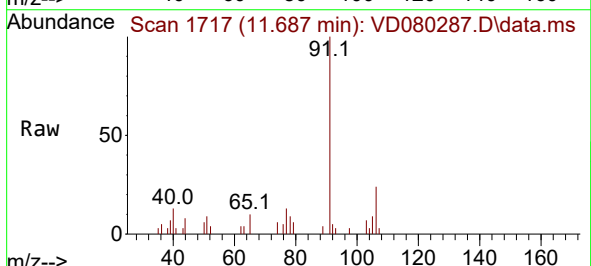
RT: 11.687 min Scan# 1717

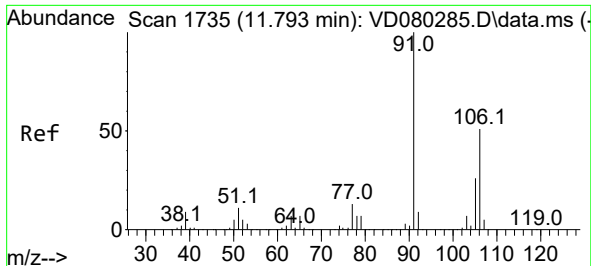
Delta R.T. 0.006 min

Lab File: VD080287.D

Acq: 19 Mar 2025 12:00

Tgt Ion: 91	Resp:	11892
Ion	Ratio	Lower Upper
91	100	
106	23.6	21.4 39.8

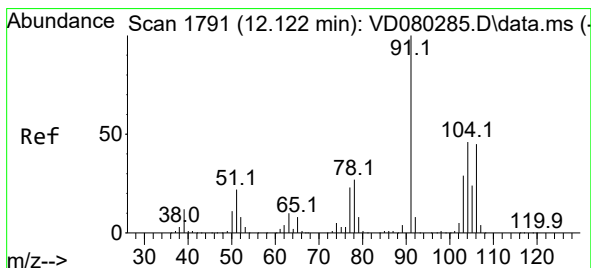
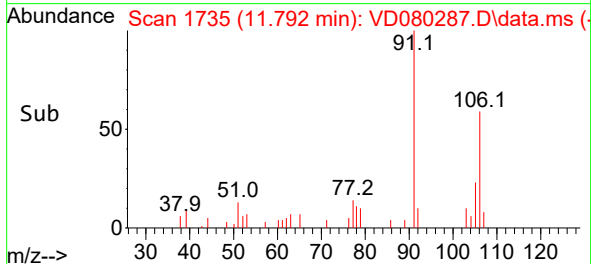
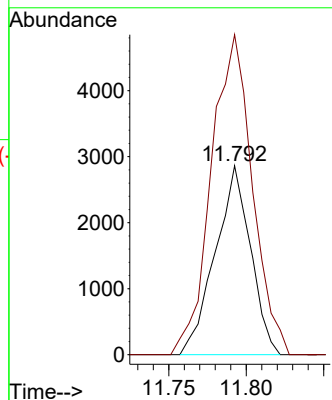
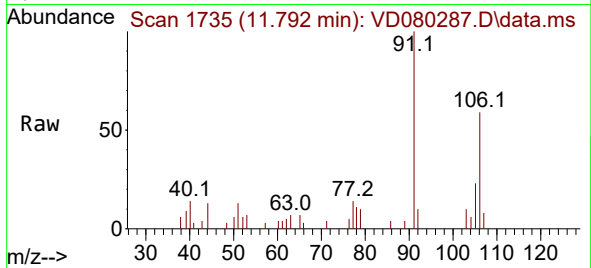




#53
m,p-Xylene
Concen: 1.10 ug/L
RT: 11.792 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

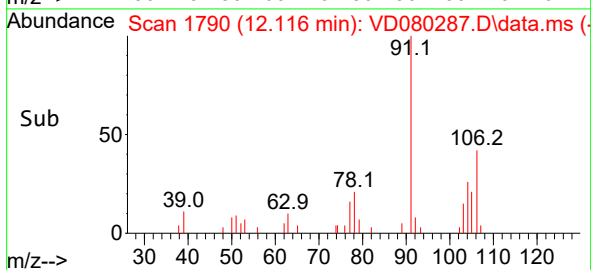
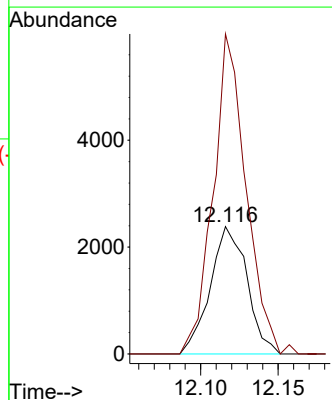
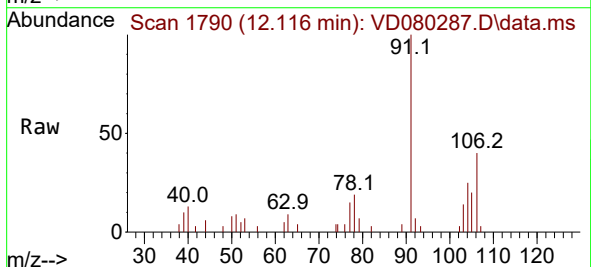
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-02

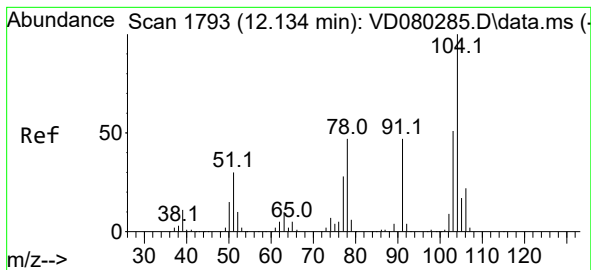
Tgt Ion:106 Resp: 4532
Ion Ratio Lower Upper
106 100
91 169.3 138.0 256.2



#54
o-Xylene
Concen: 1.01 ug/L
RT: 12.116 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

Tgt Ion:106 Resp: 3930
Ion Ratio Lower Upper
106 100
91 251.2 156.5 290.7





#55

Styrene

Concen: 1.06 ug/L

RT: 12.128 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD080287.D

Acq: 19 Mar 2025 12:00

Instrument :

MSVOA_D

ClientSampleId :

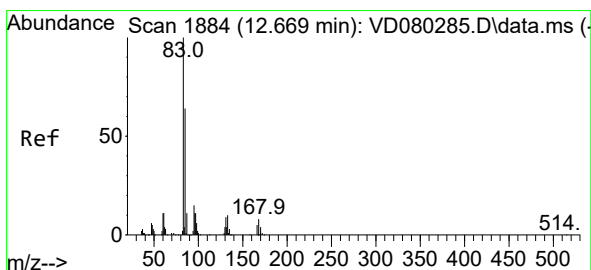
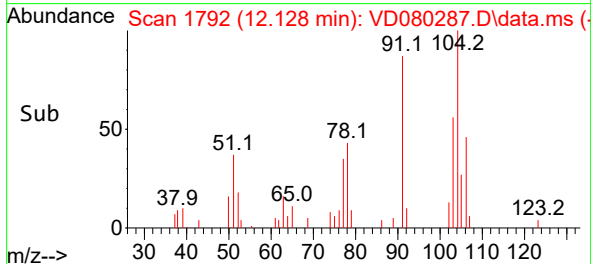
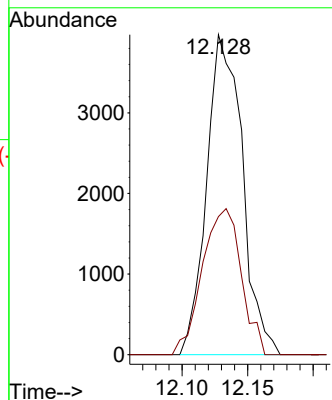
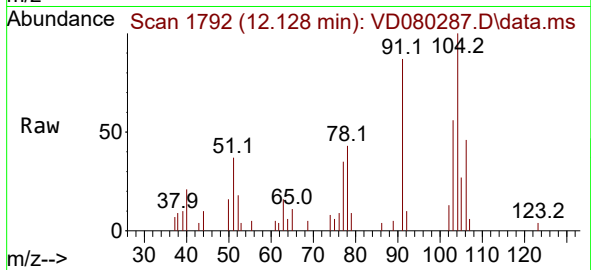
MDL-SOIL-QT1-2025-02

Tgt Ion:104 Resp: 7504

Ion Ratio Lower Upper

104 100

78 43.1 32.7 60.7



#57

1,1,2,2-Tetrachloroethane

Concen: 1.65 ug/L

RT: 12.663 min Scan# 1883

Delta R.T. -0.006 min

Lab File: VD080287.D

Acq: 19 Mar 2025 12:00

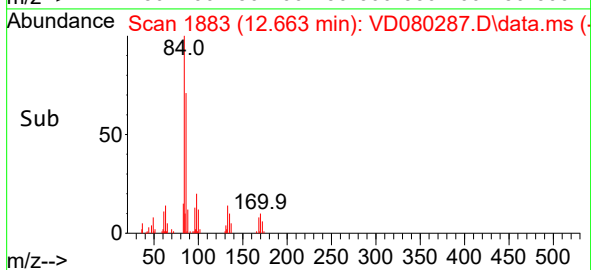
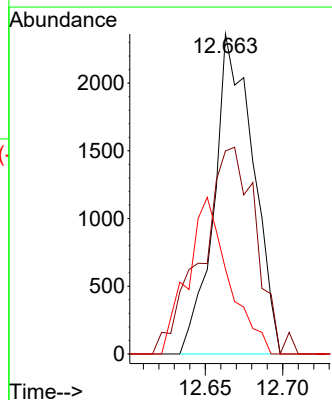
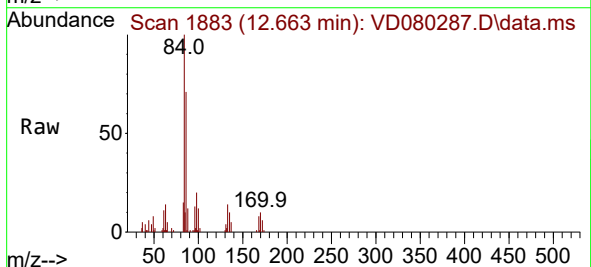
Tgt Ion: 83 Resp: 4133

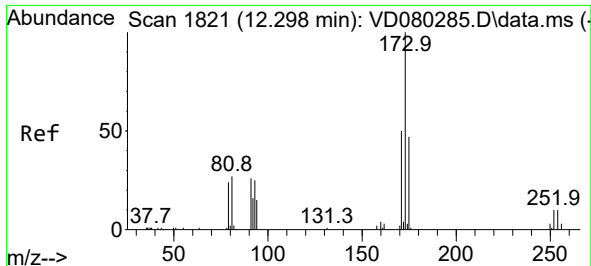
Ion Ratio Lower Upper

83 100

85 63.4 46.1 85.7

131 26.5 6.9 10.3#

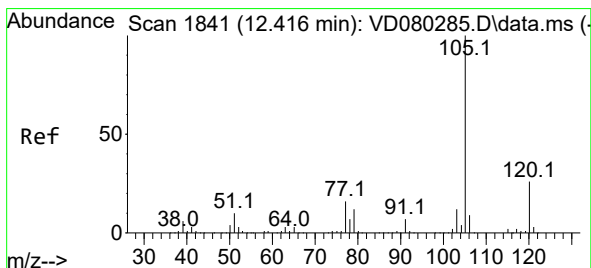
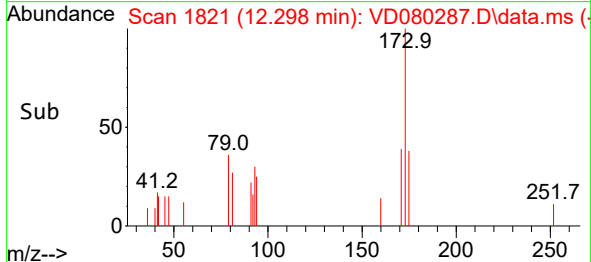
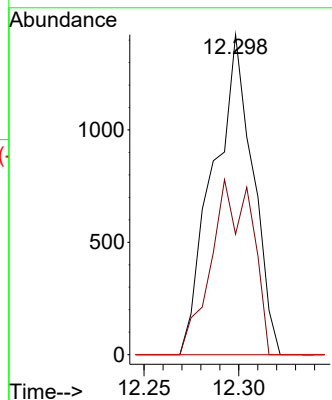
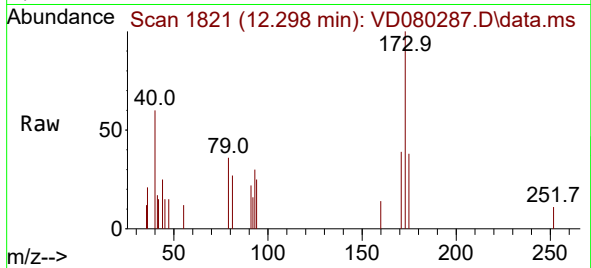




#59
Bromoform
Concen: 1.58 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

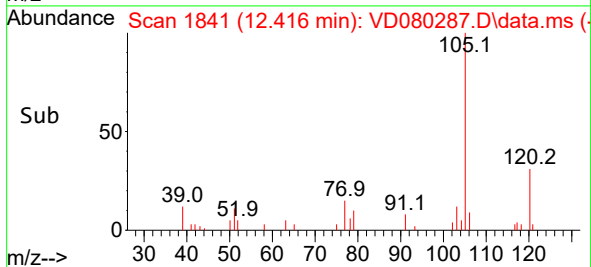
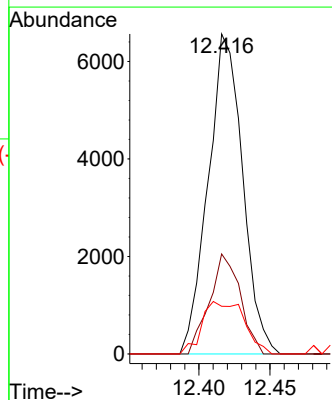
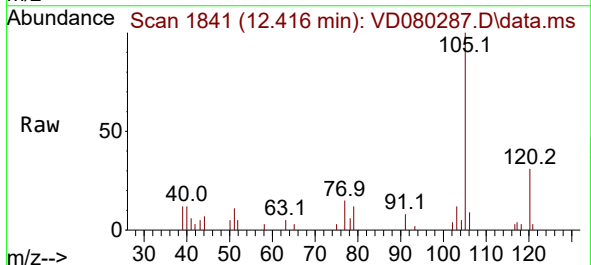
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-02

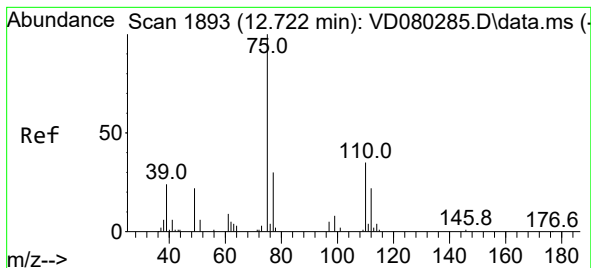
Tgt Ion:173 Resp: 2077
Ion Ratio Lower Upper
173 100
175 36.4 38.8 58.2#
254 0.0 7.8 11.6#



#60
Isopropylbenzene
Concen: 1.16 ug/L
RT: 12.416 min Scan# 1841
Delta R.T. -0.000 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

Tgt Ion:105 Resp: 11077
Ion Ratio Lower Upper
105 100
120 27.9 20.6 31.0
77 13.7 12.5 18.7





#61

1,2,3-Trichloropropane

Concen: 1.55 ug/L

RT: 12.716 min Scan# 1892

Delta R.T. -0.006 min

Lab File: VD080287.D

Acq: 19 Mar 2025 12:00

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2025-02

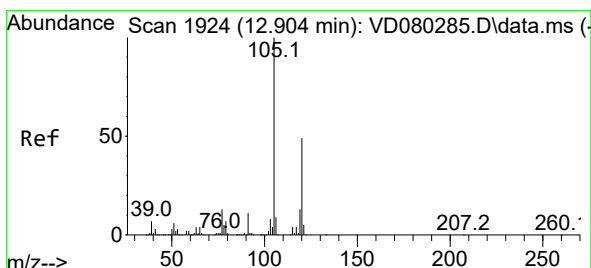
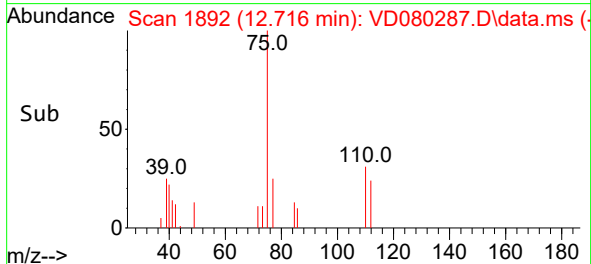
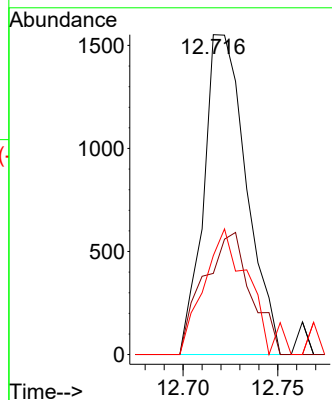
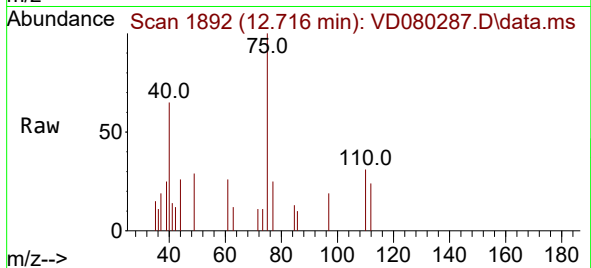
Tgt Ion: 75 Resp: 2429

Ion Ratio Lower Upper

75 100

77 42.4 25.5 38.3#

110 39.2 30.7 46.1



#62

1,3,5-Trimethylbenzene

Concen: 1.21 ug/L

RT: 12.904 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VD080287.D

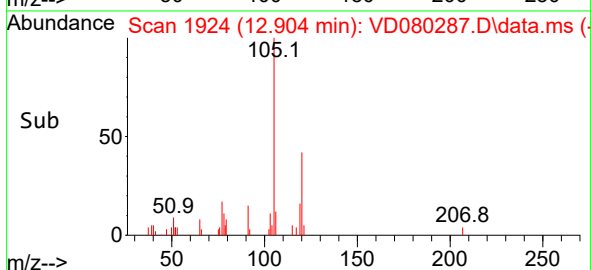
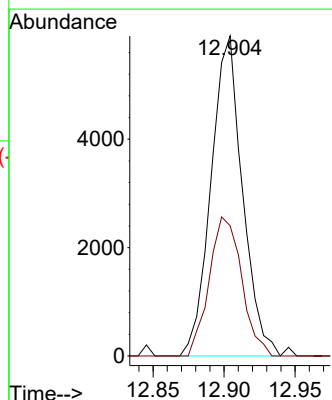
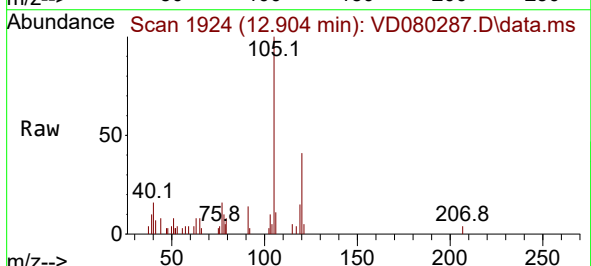
Acq: 19 Mar 2025 12:00

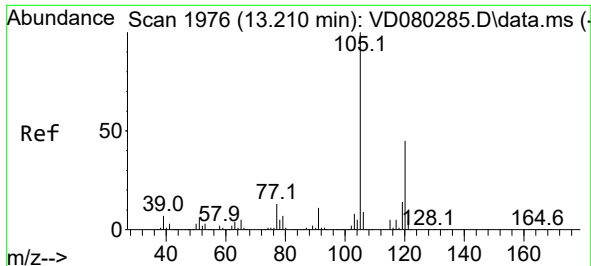
Tgt Ion: 105 Resp: 9082

Ion Ratio Lower Upper

105 100

120 44.9 38.0 57.0

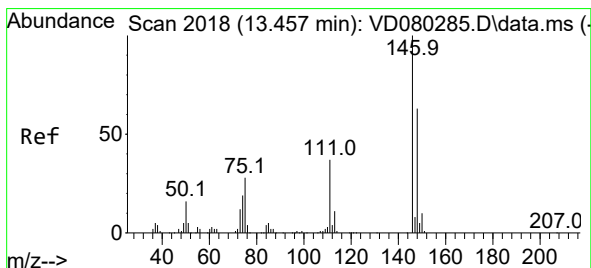
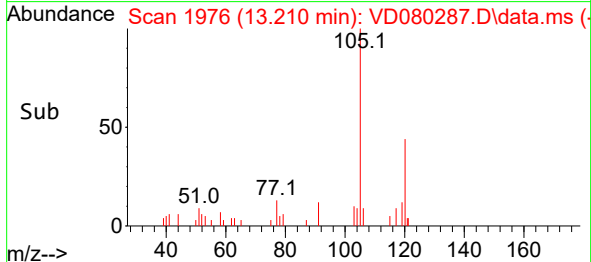
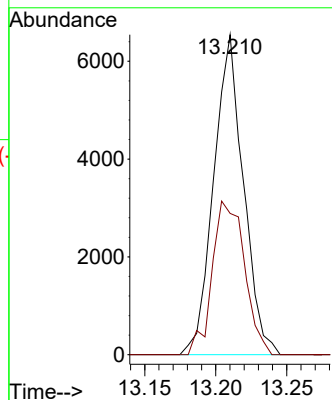
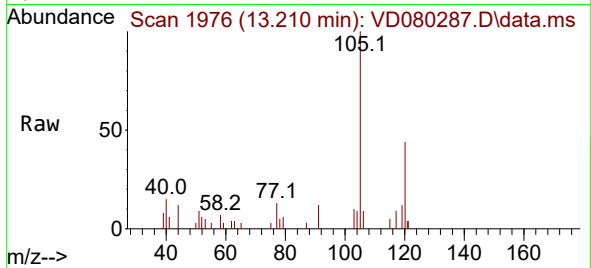




#63
1,2,4-Trimethylbenzene
Concen: 1.25 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

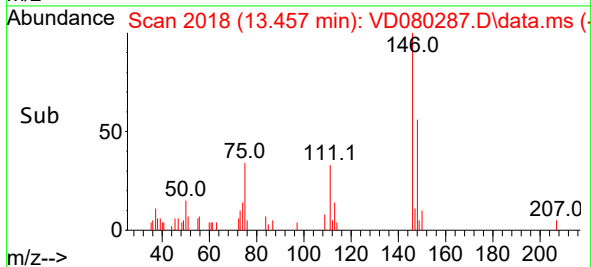
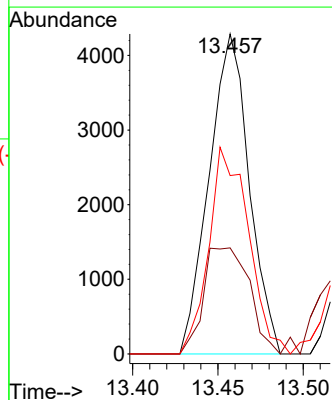
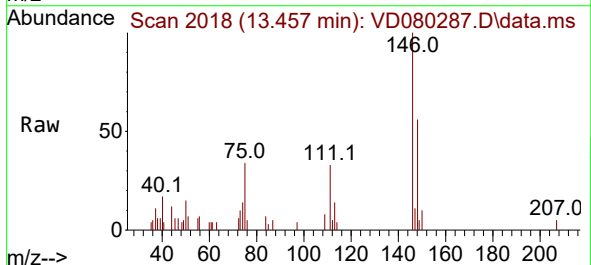
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-02

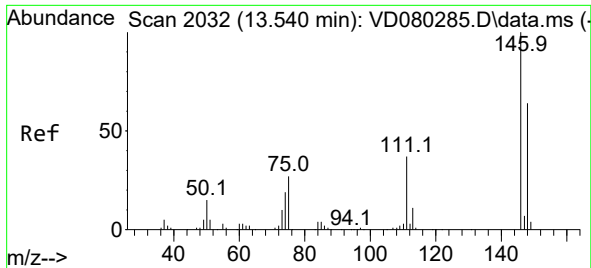
Tgt Ion:105 Resp: 9515
Ion Ratio Lower Upper
105 100
120 52.1 36.2 54.4



#64
1,3-Dichlorobenzene
Concen: 1.47 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. -0.000 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

Tgt Ion:146 Resp: 7016
Ion Ratio Lower Upper
146 100
111 33.1 26.9 49.9
148 55.8 44.5 82.7

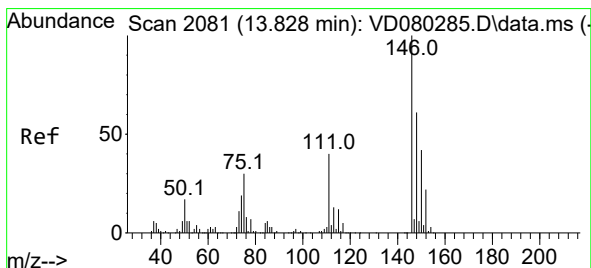
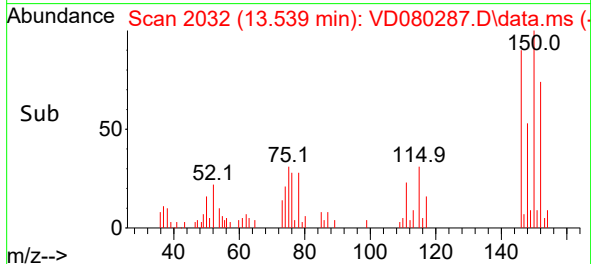
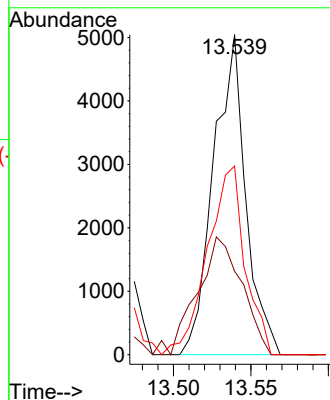
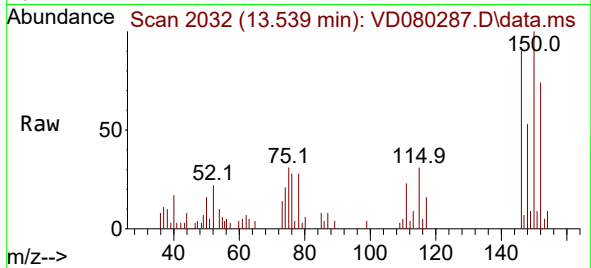




#65
1,4-Dichlorobenzene
Concen: 1.42 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

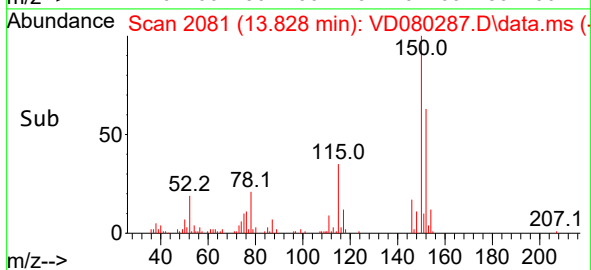
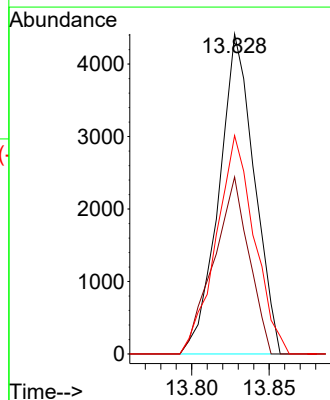
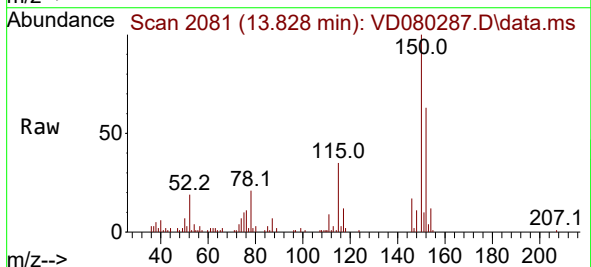
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-02

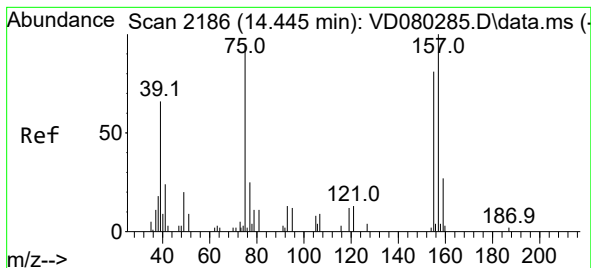
Tgt Ion:146 Resp: 7276
Ion Ratio Lower Upper
146 100
111 26.1 27.9 51.7#
148 58.9 45.1 83.9



#67
1,2-Dichlorobenzene
Concen: 1.59 ug/L
RT: 13.828 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

Tgt Ion:146 Resp: 7011
Ion Ratio Lower Upper
146 100
111 55.3 34.2 51.2#
148 68.3 49.8 74.8

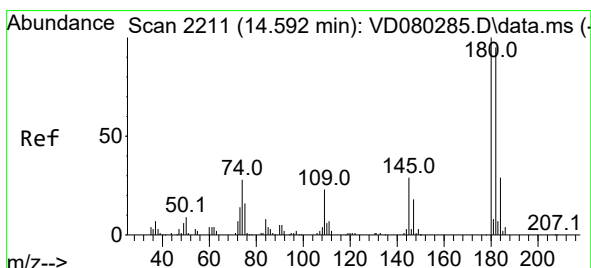
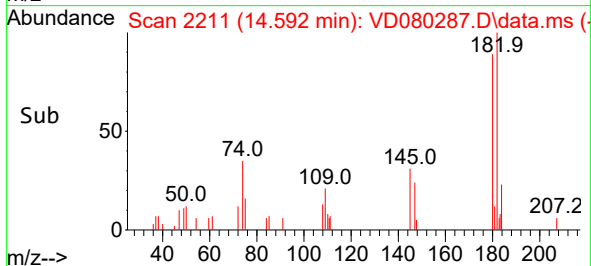
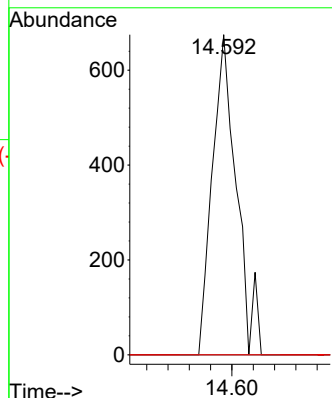
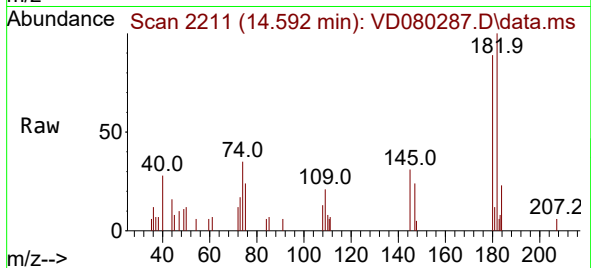




#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.85 ug/L
 RT: 14.592 min Scan# 2186
 Delta R.T. 0.147 min
 Lab File: VD080287.D
 Acq: 19 Mar 2025 12:00

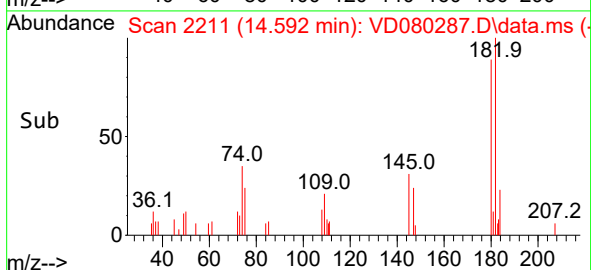
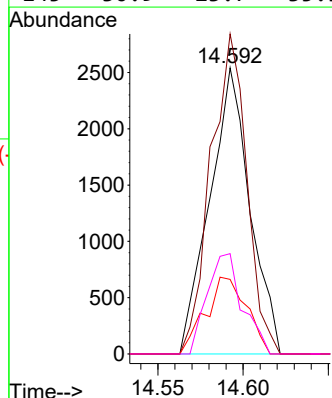
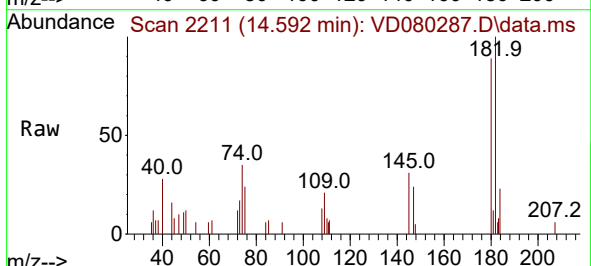
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT1-2025-02

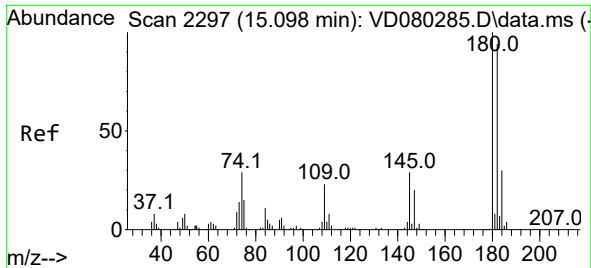
Tgt Ion: 75 Resp: 1058
 Ion Ratio Lower Upper
 75 100
 155 0.0 71.5 107.3#
 157 0.0 73.5 110.3#



#69
 1,3,5-Trichlorobenzene
 Concen: 1.33 ug/L
 RT: 14.592 min Scan# 2211
 Delta R.T. -0.000 min
 Lab File: VD080287.D
 Acq: 19 Mar 2025 12:00

Tgt Ion: 180 Resp: 4161
 Ion Ratio Lower Upper
 180 100
 182 100.1 77.0 115.4
 184 27.5 24.0 36.0
 145 30.9 23.7 35.5

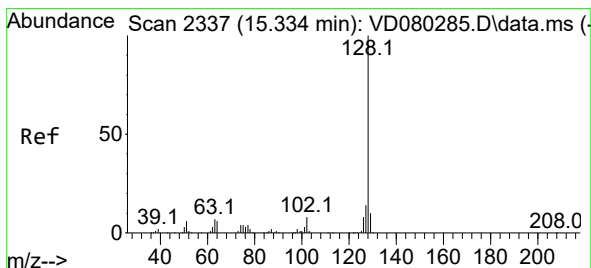
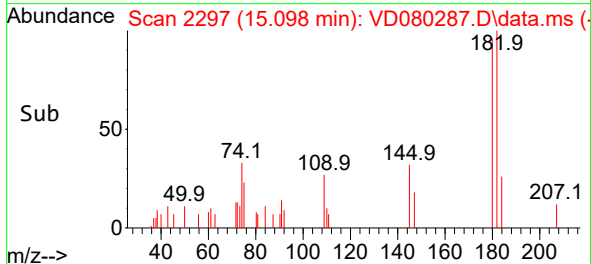
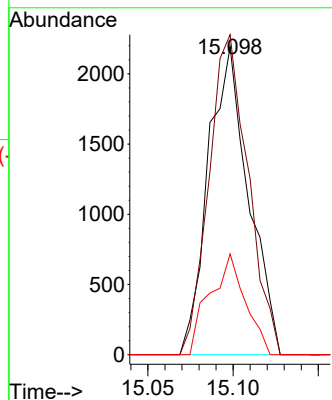
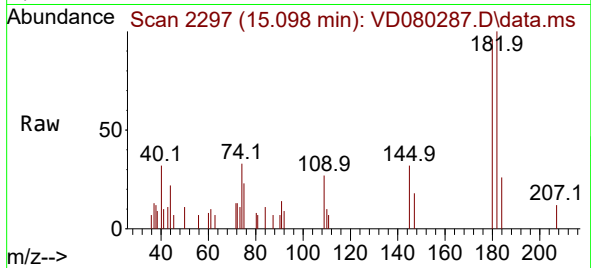




#70
1,2,4-trichlorobenzene
Concen: 1.38 ug/L
RT: 15.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

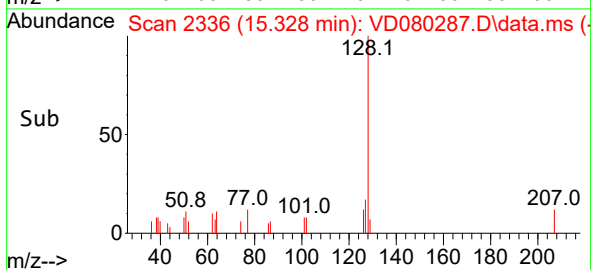
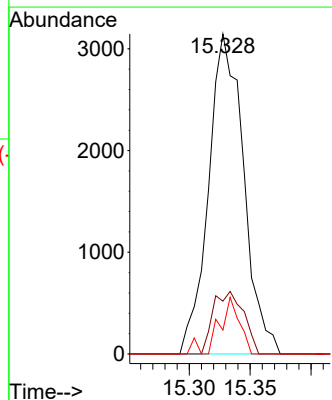
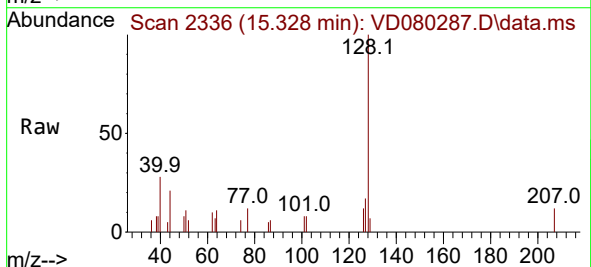
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-02

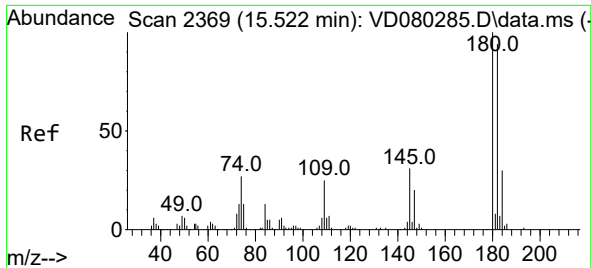
Tgt Ion:180 Resp: 3614
Ion Ratio Lower Upper
180 100
182 100.7 75.4 113.0
145 28.8 23.1 34.7



#71
Naphthalene
Concen: 1.29 ug/L
RT: 15.328 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VD080287.D
Acq: 19 Mar 2025 12:00

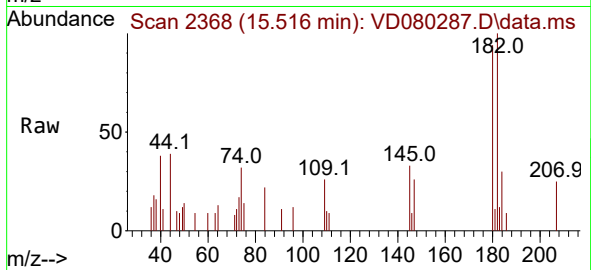
Tgt Ion:128 Resp: 6302
Ion Ratio Lower Upper
128 100
127 17.0 11.4 17.2
129 9.6 9.0 13.4





#72
 1,2,3-Trichlorobenzene
 Concen: 1.24 ug/L
 RT: 15.516 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD080287.D
 Acq: 19 Mar 2025 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT1-2025-02



Tgt Ion:	180	Resp:	2932
Ion	Ratio	Lower	Upper
180	100		
182	105.2	73.8	110.6
145	34.4	24.8	37.2

