

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020725\
 Data File : VY021134.D
 Acq On : 07 Feb 2025 12:44
 Operator : SY/MD
 Sample : Q1168-03 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

Quant Time: Feb 08 02:38:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	180481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	290575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	240593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	109680	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	84919	45.923	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.840%
35) Dibromofluoromethane	7.646	113	82522	44.314	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.620%
50) Toluene-d8	10.115	98	307095	43.317	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.640%
62) 4-Bromofluorobenzene	12.414	95	94277	40.705	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.400%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.873	85	4005	2.490	ug/l	95
3) Chloromethane	2.074	50	4234	2.667	ug/l	91
4) Vinyl Chloride	2.214	62	4187	2.621	ug/l	89
5) Bromomethane	2.611	94	3381	3.424	ug/l	99
6) Chloroethane	2.751	64	2434	2.559	ug/l	98
7) Trichlorofluoromethane	3.068	101	7245	2.489	ug/l	97
8) Diethyl Ether	3.470	74	2212	2.434	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.824	101	4725	2.586	ug/l	95
10) Methyl Iodide	4.013	142	5004	2.466	ug/l #	88
11) Tert butyl alcohol	4.872	59	2724	21.738	ug/l #	75
12) 1,1-Dichloroethene	3.805	96	4216	2.450	ug/l	88
13) Acrolein	3.671	56	2467	12.785	ug/l	93
14) Allyl chloride	4.391	41	7077	2.440	ug/l	97
15) Acrylonitrile	5.080	53	4406	11.644	ug/l #	92
16) Acetone	3.879	43	3891	13.493	ug/l #	87
17) Carbon Disulfide	4.123	76	13341	2.472	ug/l	97
18) Methyl Acetate	4.391	43	2449	2.419	ug/l #	51
19) Methyl tert-butyl Ether	5.128	73	9481	2.180	ug/l	91
20) Methylene Chloride	4.635	84	4970	2.772	ug/l	94
21) trans-1,2-Dichloroethene	5.128	96	4780	2.523	ug/l	87
22) Diisopropyl ether	6.031	45	13146	2.199	ug/l #	85
23) Vinyl Acetate	5.976	43	33935	10.183	ug/l	97
24) 1,1-Dichloroethane	5.933	63	8612	2.459	ug/l	99
25) 2-Butanone	6.909	43	5672	11.969	ug/l	99
26) 2,2-Dichloropropane	6.902	77	8184	2.525	ug/l	93
27) cis-1,2-Dichloroethene	6.902	96	5132	2.354	ug/l	90
28) Bromochloromethane	7.256	49	4216	3.044	ug/l	94
29) Tetrahydrofuran	7.280	42	3132	9.767	ug/l	98
30) Chloroform	7.427	83	8512	2.366	ug/l	96
31) Cyclohexane	7.713	56	10913	3.460	ug/l #	64
32) 1,1,1-Trichloroethane	7.628	97	8385	2.507	ug/l	99
36) 1,1-Dichloropropene	7.841	75	6668	2.417	ug/l	98
37) Ethyl Acetate	7.000	43	2070	1.711	ug/l #	94
38) Carbon Tetrachloride	7.829	117	7340	2.277	ug/l	97
39) Methylcyclohexane	9.116	83	8228	2.439	ug/l	94
40) Benzene	8.091	78	18777	2.320	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	1248	1.783	ug/l #	88
42) 1,2-Dichloroethane	8.171	62	5138	2.288	ug/l	94
43) Isopropyl Acetate	8.207	43	4482	1.864	ug/l #	87
44) Trichloroethene	8.878	130	4868	2.328	ug/l	98
45) 1,2-Dichloropropane	9.152	63	4462	2.322	ug/l #	88
46) Dibromomethane	9.244	93	2382	2.239	ug/l	98
47) Bromodichloromethane	9.433	83	6329	2.218	ug/l	99
48) Methyl methacrylate	9.231	41	2343	2.139	ug/l #	84
49) 1,4-Dioxane	9.237	88	424	42.817	ug/l #	84
51) 4-Methyl-2-Pentanone	10.006	43	11304	9.349	ug/l	94
52) Toluene	10.182	92	11538	2.270	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	5292	2.066	ug/l	94
54) cis-1,3-Dichloropropene	9.865	75	6502	2.144	ug/l	94
55) 1,1,2-Trichloroethane	10.579	97	3052	2.216	ug/l	91
56) Ethyl methacrylate	10.445	69	3223	1.749	ug/l #	80
57) 1,3-Dichloropropane	10.725	76	5201	2.181	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	8224	9.381	ug/l	100
59) 2-Hexanone	10.768	43	6765	8.690	ug/l	92
60) Dibromochloromethane	10.920	129	4205	2.174	ug/l	95
61) 1,2-Dibromoethane	11.024	107	2644	2.049	ug/l	100
64) Tetrachloroethene	10.652	164	4696	2.629	ug/l #	88
65) Chlorobenzene	11.450	112	12598	2.352	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.524	131	4337	2.278	ug/l	96
67) Ethyl Benzene	11.524	91	20849	2.200	ug/l	98
68) m/p-Xylenes	11.633	106	15336	4.326	ug/l	97
69) o-Xylene	11.956	106	7156	2.165	ug/l	96
70) Styrene	11.975	104	11326	2.056	ug/l	97
71) Bromoform	12.139	173	2337	2.205	ug/l #	98
73) Isopropylbenzene	12.261	105	19032	2.221	ug/l	98
74) N-amyl acetate	12.078	43	3599	1.921	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.511	83	3207	2.251	ug/l	94
76) 1,2,3-Trichloropropane	12.560	75	4198	4.219	ug/l #	100
77) Bromobenzene	12.542	156	4421	2.236	ug/l	97
78) n-propylbenzene	12.603	91	24362	2.387	ug/l	100
79) 2-Chlorotoluene	12.688	91	14101	2.412	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	15595	2.245	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.414	75	51440	105.497	ug/l #	12
82) 4-Chlorotoluene	12.786	91	14271	2.396	ug/l	100
83) tert-Butylbenzene	13.005	119	14256	2.258	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	14235	2.096	ug/l	97
85) sec-Butylbenzene	13.182	105	20277	2.231	ug/l	98
86) p-Isopropyltoluene	13.298	119	15394	2.039	ug/l	93
87) 1,3-Dichlorobenzene	13.298	146	9388	2.459	ug/l	96
88) 1,4-Dichlorobenzene	13.377	146	9571	2.546	ug/l	86
89) n-Butylbenzene	13.627	91	15364	2.231	ug/l	100
90) Hexachloroethane	13.889	117	3649	2.317	ug/l	84
91) 1,2-Dichlorobenzene	13.670	146	7692	2.321	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	421	1.977	ug/l	91
93) 1,2,4-Trichlorobenzene	14.932	180	3817	2.070	ug/l	96
94) Hexachlorobutadiene	15.029	225	2729	2.233	ug/l	96
95) Naphthalene	15.157	128	6091	2.064	ug/l	98
96) 1,2,3-Trichlorobenzene	15.346	180	3178	2.071	ug/l	92

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Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

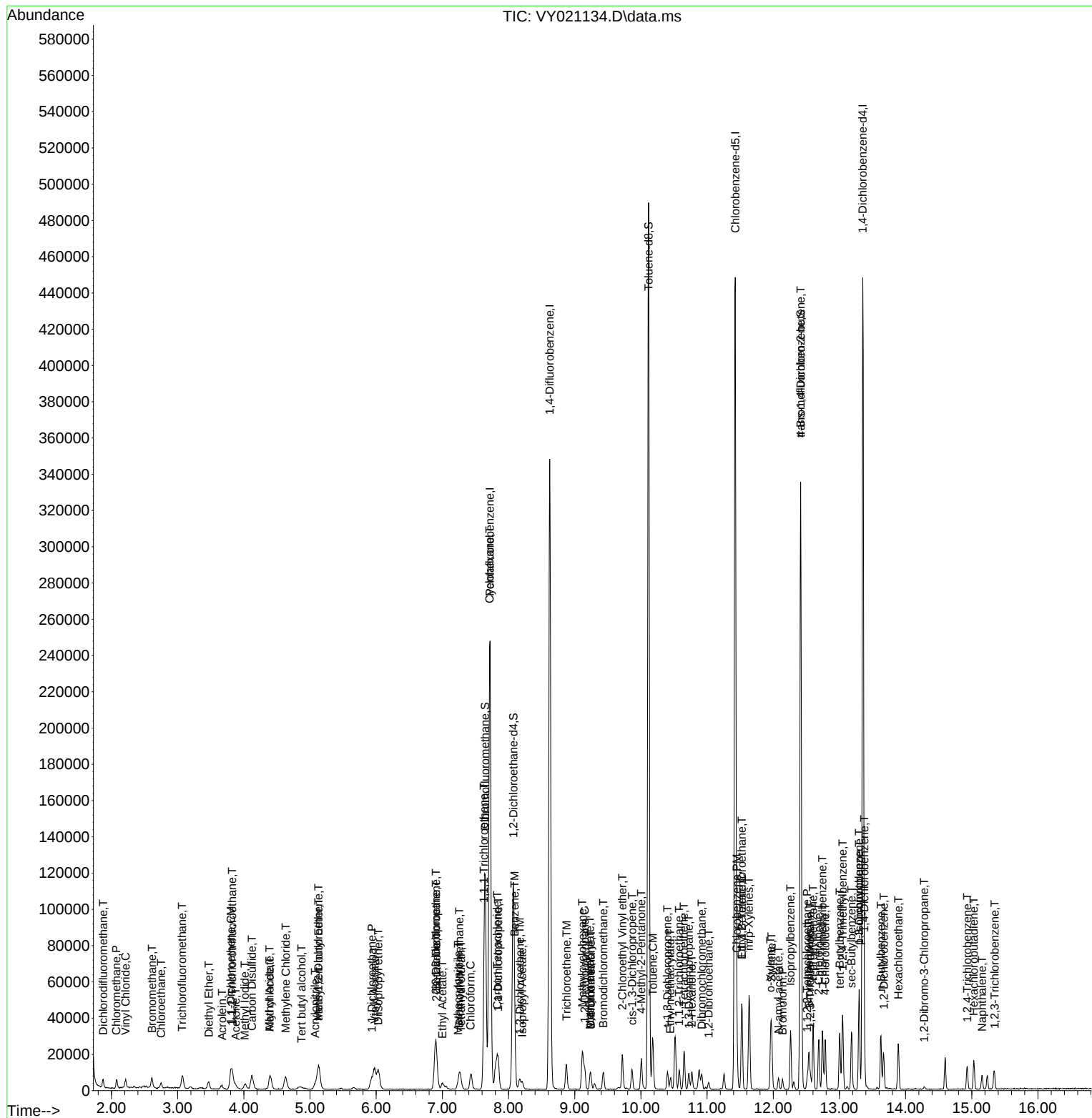
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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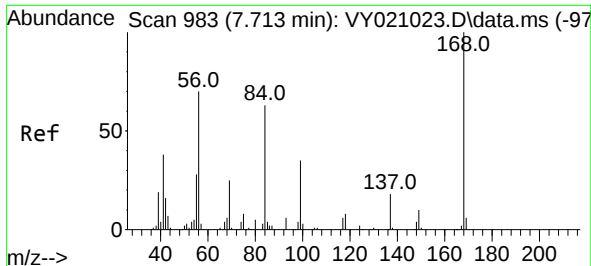
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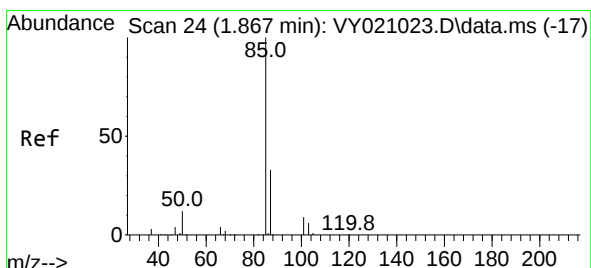
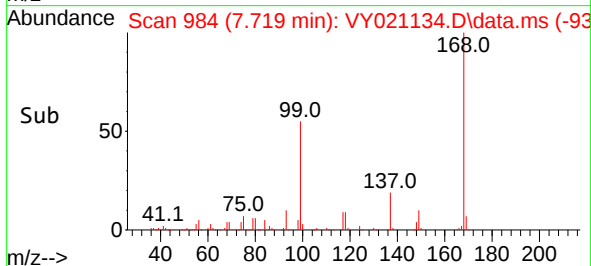
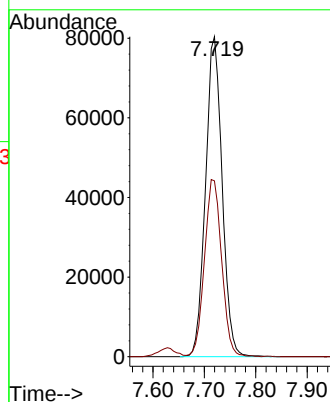
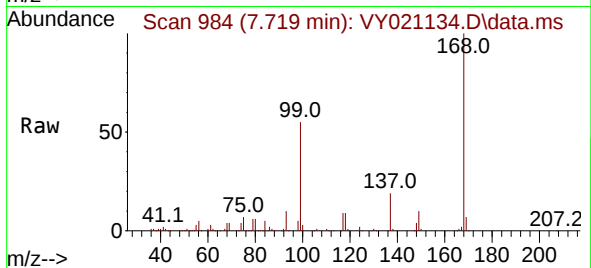




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
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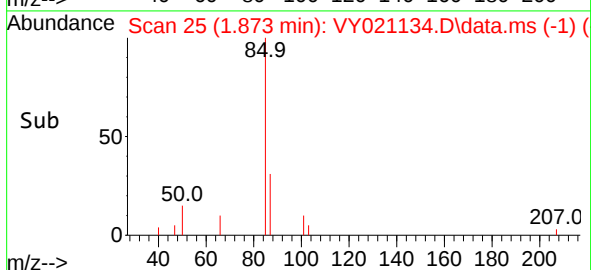
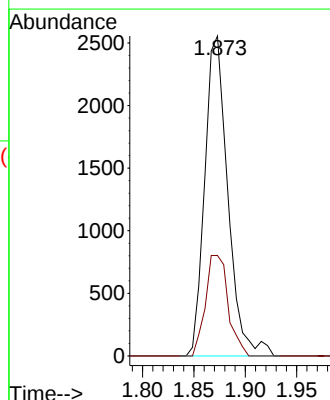
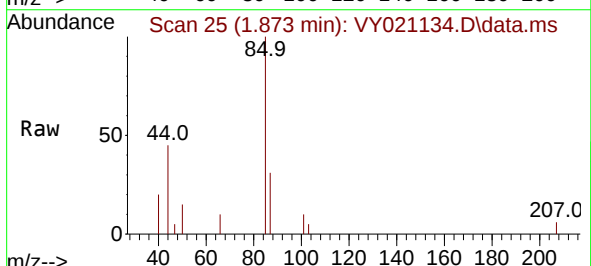
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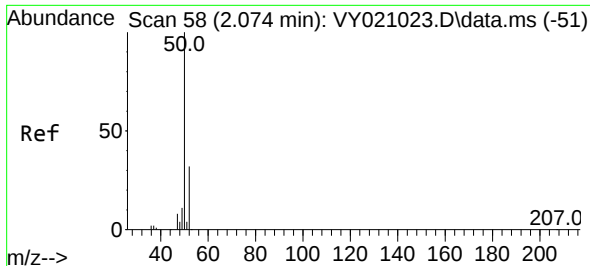
Tgt Ion:168 Resp: 180481
Ion Ratio Lower Upper
168 100
99 55.0 44.2 66.4



#2
Dichlorodifluoromethane
Concen: 2.490 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion: 85 Resp: 4005
Ion Ratio Lower Upper
85 100
87 31.4 17.1 51.3

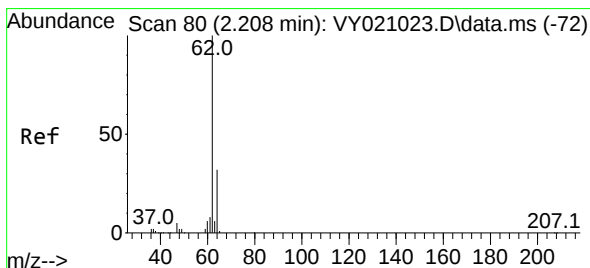
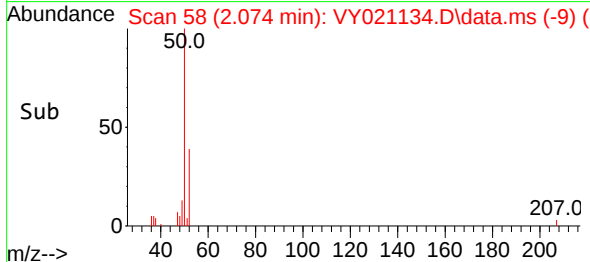
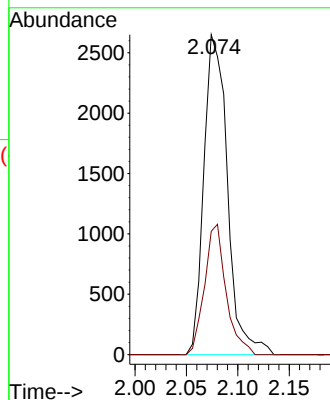
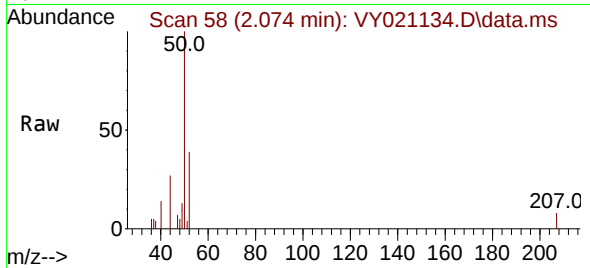




#3
Chloromethane
Concen: 2.667 ug/l
RT: 2.074 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

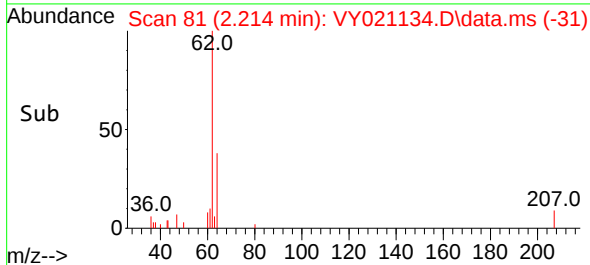
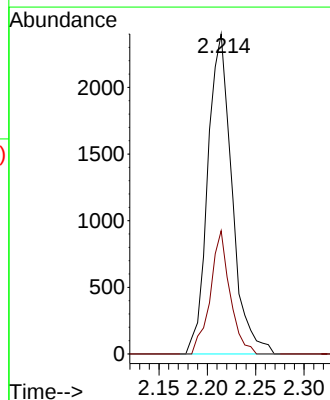
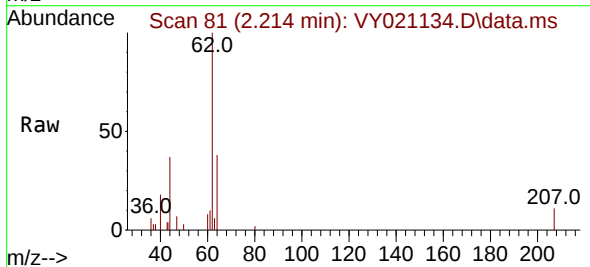
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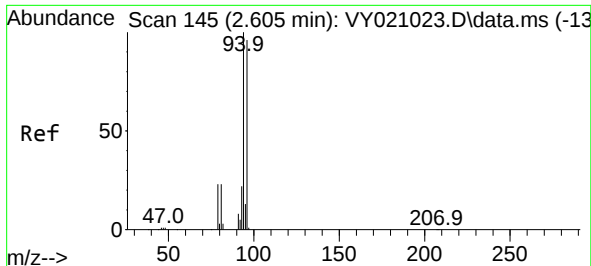
Tgt Ion: 50 Resp: 4234
Ion Ratio Lower Upper
50 100
52 38.5 26.7 40.1



#4
Vinyl Chloride
Concen: 2.621 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion: 62 Resp: 4187
Ion Ratio Lower Upper
62 100
64 38.5 25.7 38.5

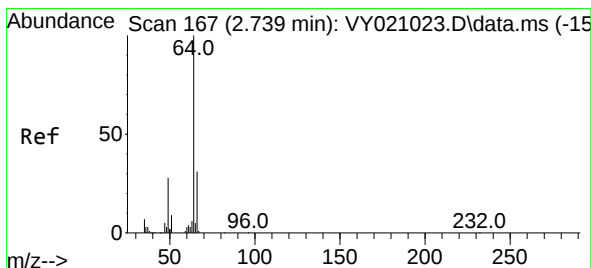
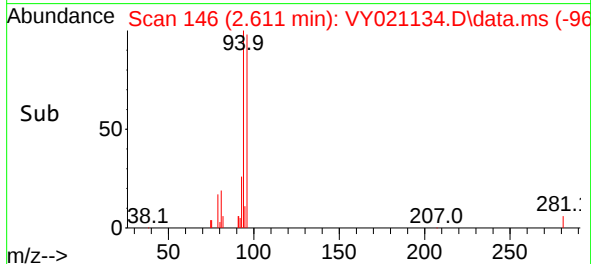
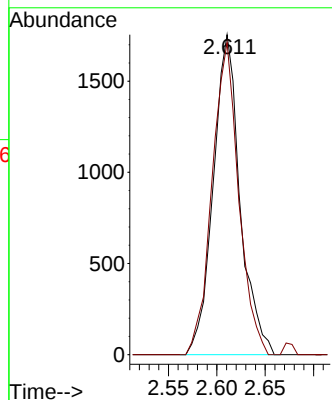
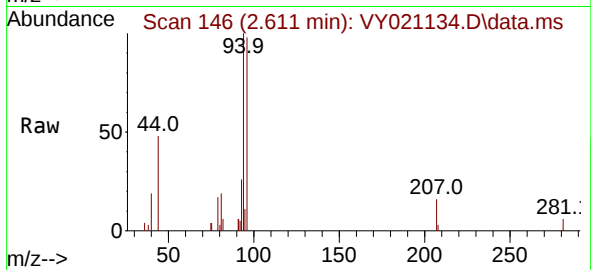




#5
Bromomethane
Concen: 3.424 ug/l
RT: 2.611 min Scan# 145
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

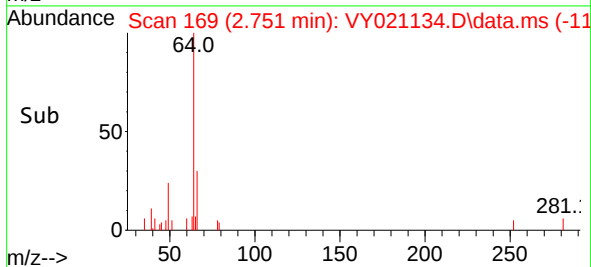
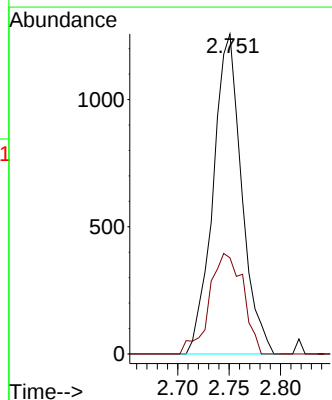
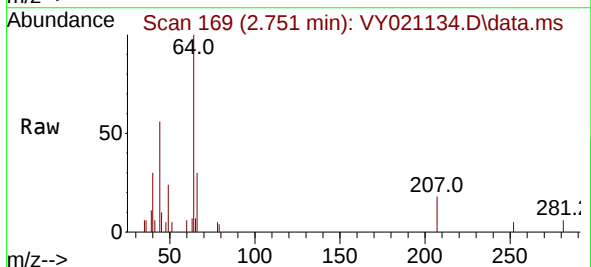
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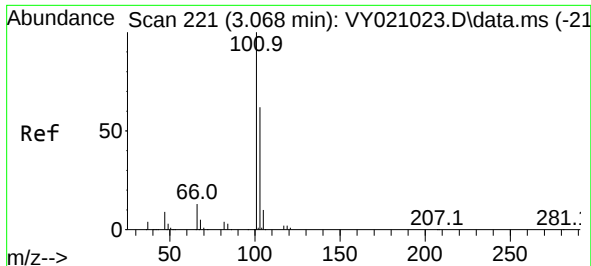
Tgt Ion: 94 Resp: 3381
Ion Ratio Lower Upper
94 100
96 97.5 77.3 115.9



#6
Chloroethane
Concen: 2.559 ug/l
RT: 2.751 min Scan# 169
Delta R.T. 0.012 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion: 64 Resp: 2434
Ion Ratio Lower Upper
64 100
66 30.0 25.1 37.7

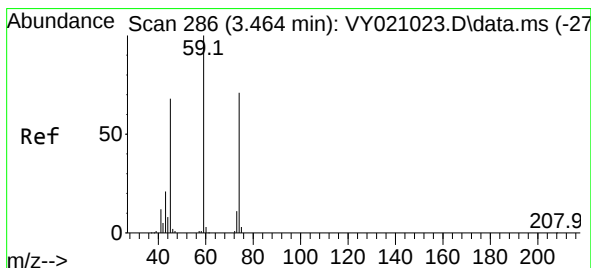
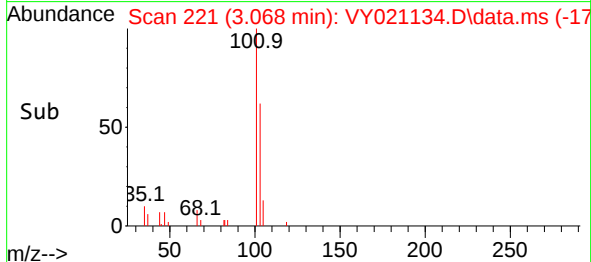
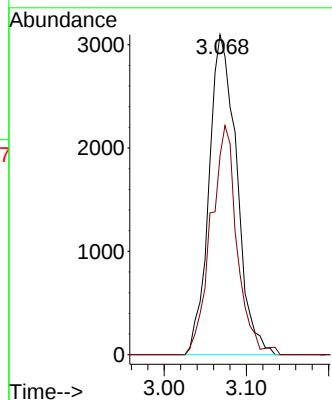
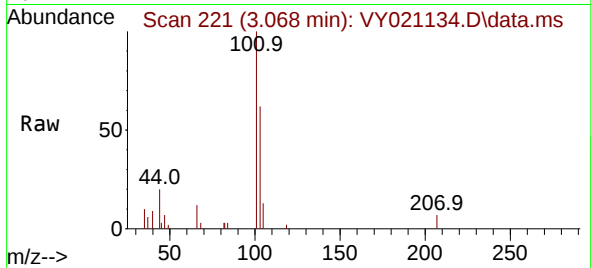




#7
Trichlorofluoromethane
Concen: 2.489 ug/l
RT: 3.068 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

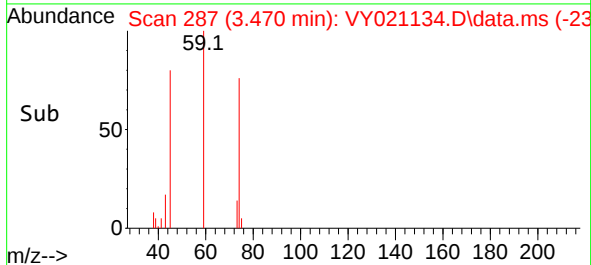
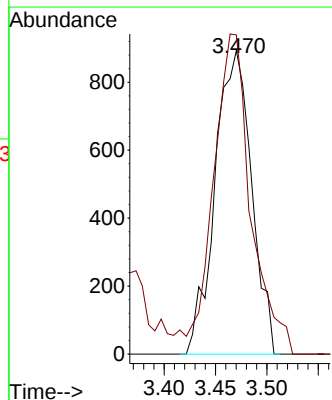
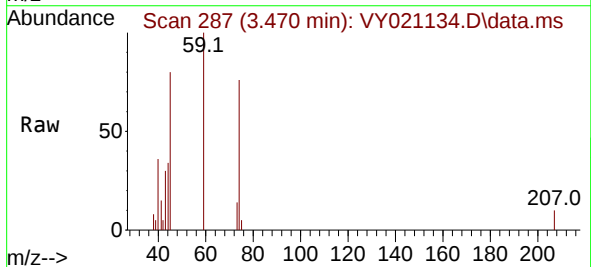
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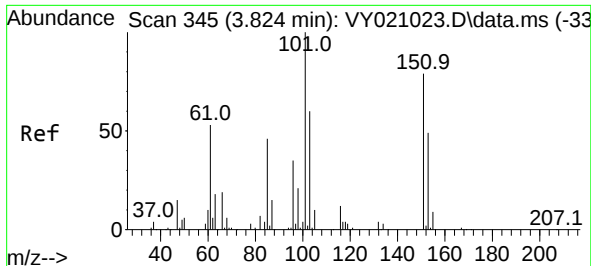
Tgt Ion:101 Resp: 7245
Ion Ratio Lower Upper
101 100
103 62.2 51.9 77.9



#8
Diethyl Ether
Concen: 2.434 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion: 74 Resp: 2212
Ion Ratio Lower Upper
74 100
45 106.4 47.9 143.7

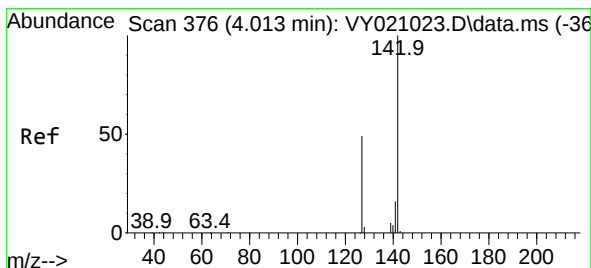
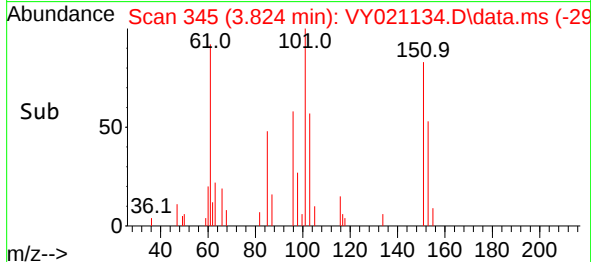
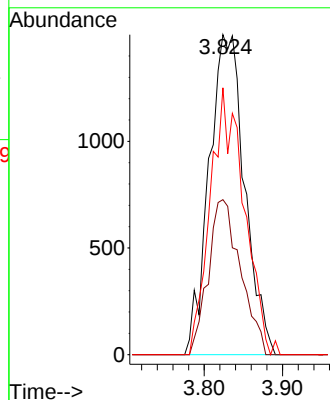
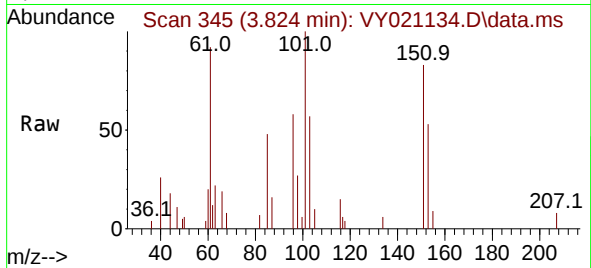




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.586 ug/l
RT: 3.824 min Scan# 345
Delta R.T. -0.000 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

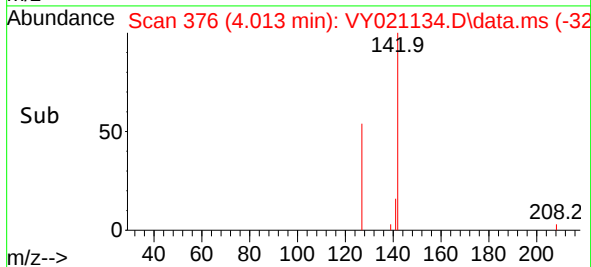
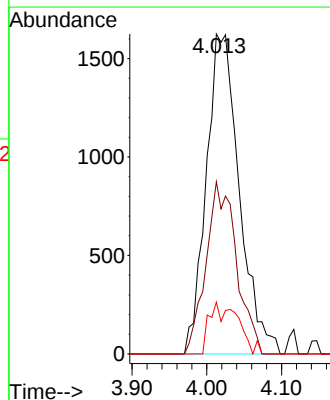
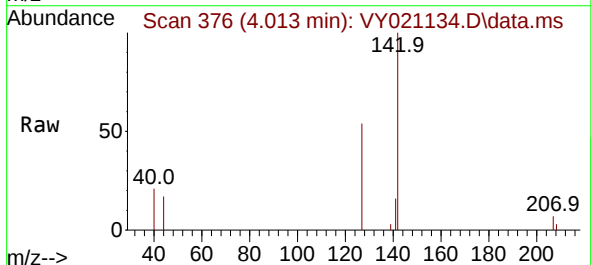
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

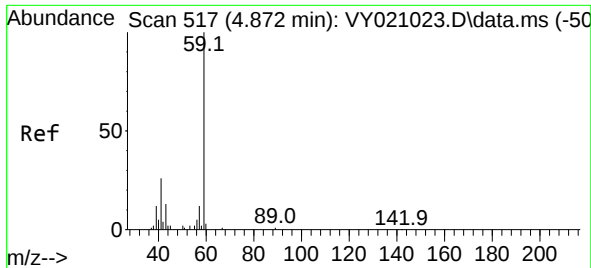
Tgt Ion:101	Resp:	4725
Ion Ratio	Lower	Upper
101	100	
85	44.1	35.8 53.6
151	79.5	58.6 88.0



#10
Methyl Iodide
Concen: 2.466 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.000 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion:142	Resp:	5004
Ion Ratio	Lower	Upper
142	100	
127	49.4	35.1 52.7
141	5.9	11.8 17.6#

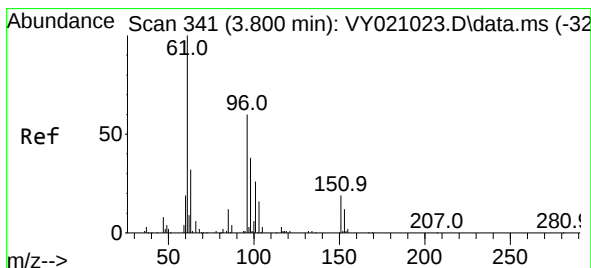
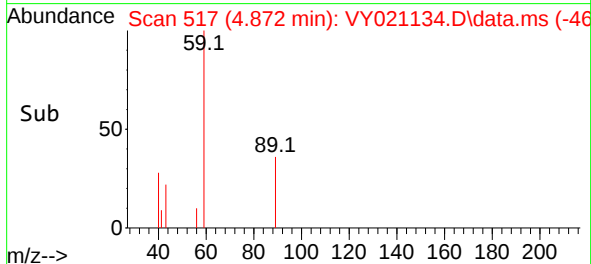
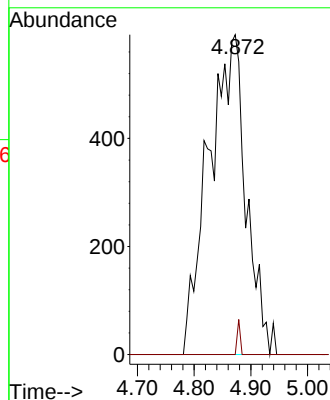
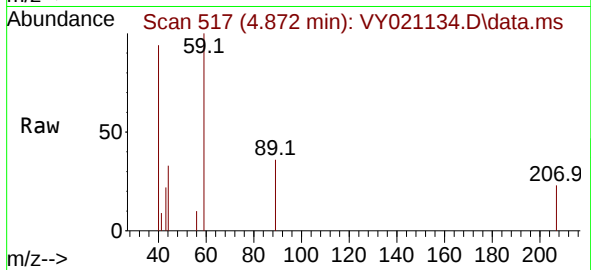




#11
Tert butyl alcohol
Concen: 21.738 ug/l
RT: 4.872 min Scan# 517
Delta R.T. -0.000 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

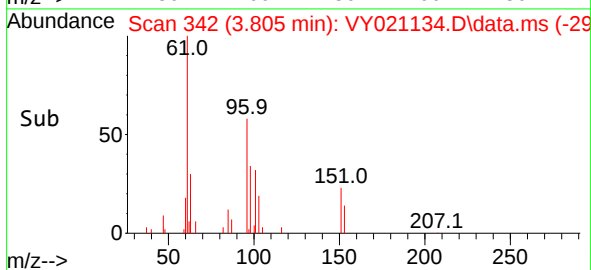
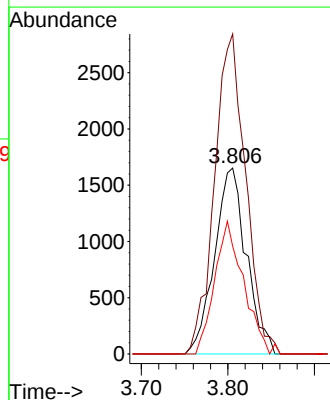
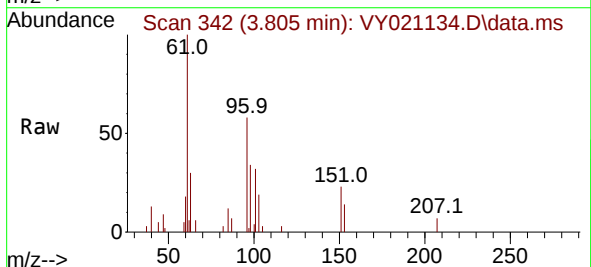
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

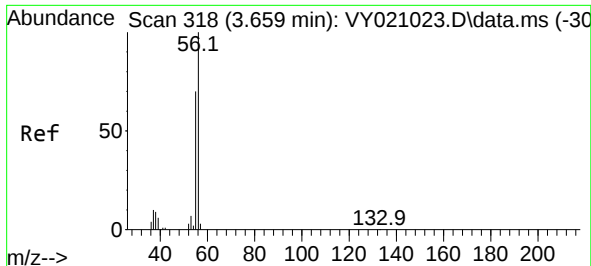
Tgt Ion: 59 Resp: 2724
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



#12
1,1-Dichloroethene
Concen: 2.450 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion: 96 Resp: 4216
Ion Ratio Lower Upper
96 100
61 172.1 124.2 186.2
98 57.9 52.6 79.0

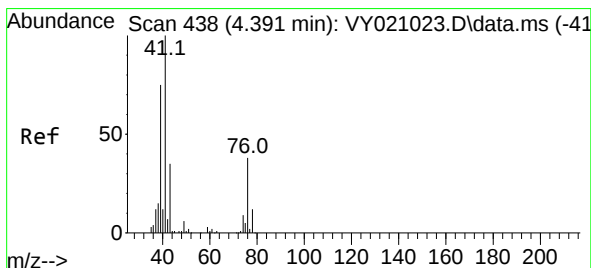
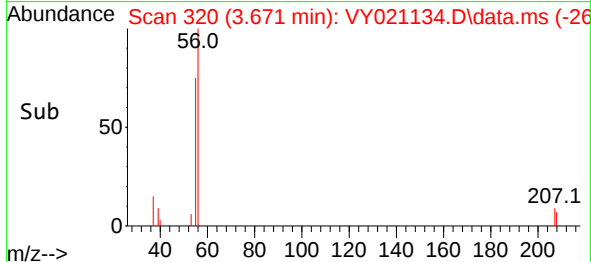
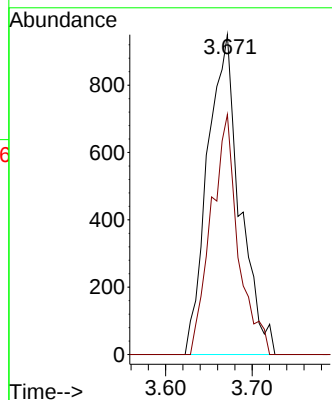
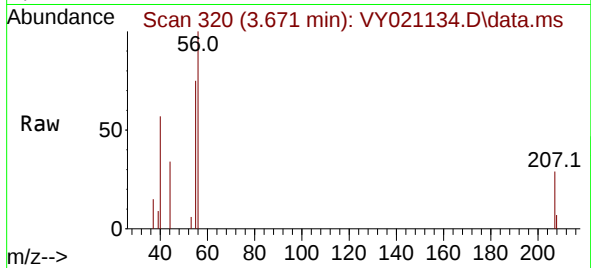




#13
Acrolein
Concen: 12.785 ug/l
RT: 3.671 min Scan# 318
Delta R.T. 0.012 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

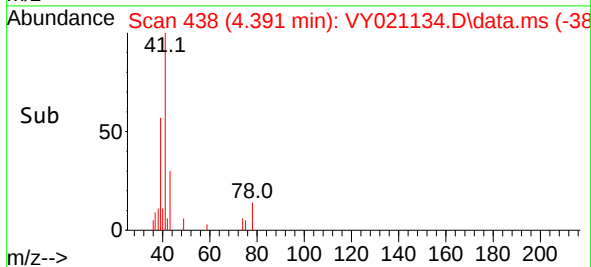
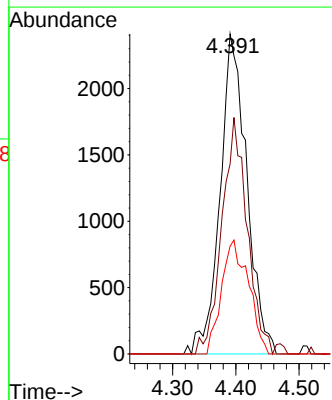
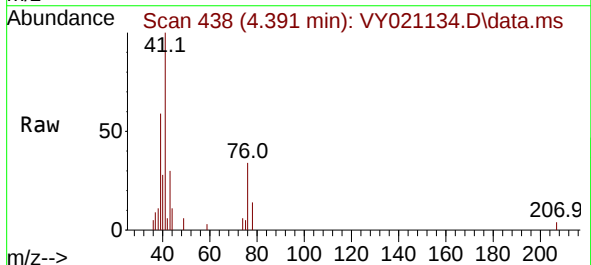
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

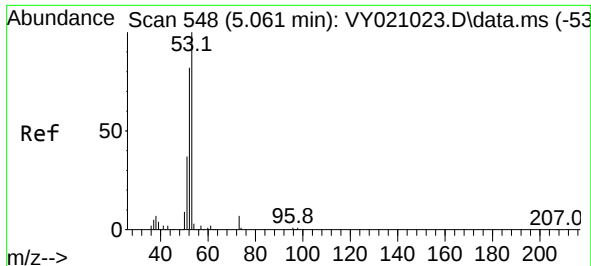
Tgt Ion: 56 Resp: 2467
Ion Ratio Lower Upper
56 100
55 63.2 55.4 83.0



#14
Allyl chloride
Concen: 2.440 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion: 41 Resp: 7077
Ion Ratio Lower Upper
41 100
39 69.9 54.7 82.1
76 35.9 31.8 47.6

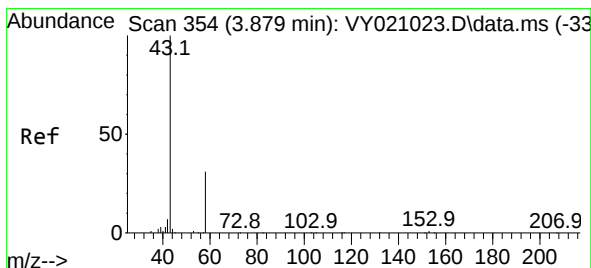
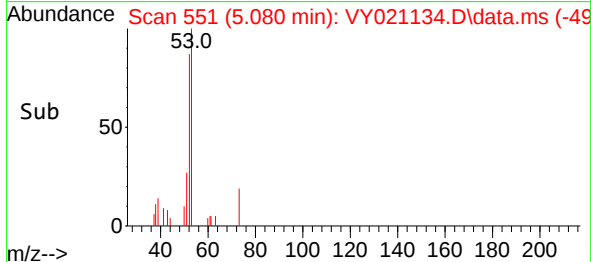
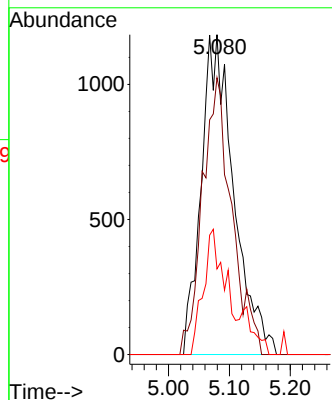
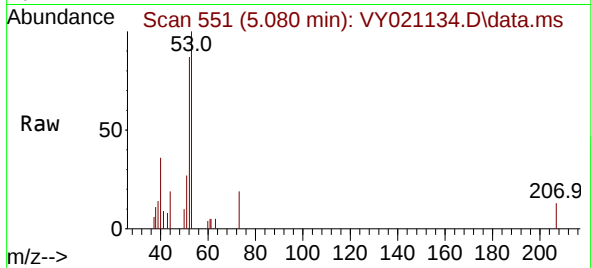




#15
Acrylonitrile
Concen: 11.644 ug/l
RT: 5.080 min Scan# 511
Delta R.T. 0.018 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

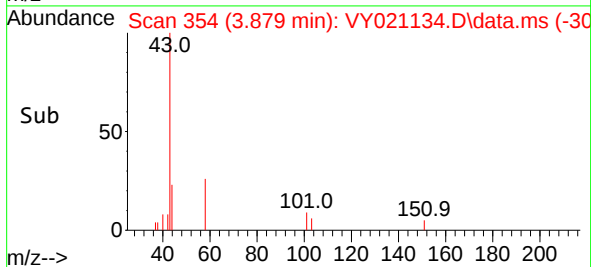
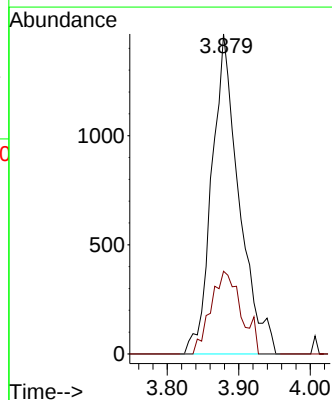
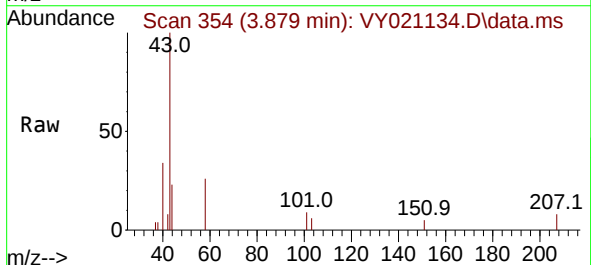
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

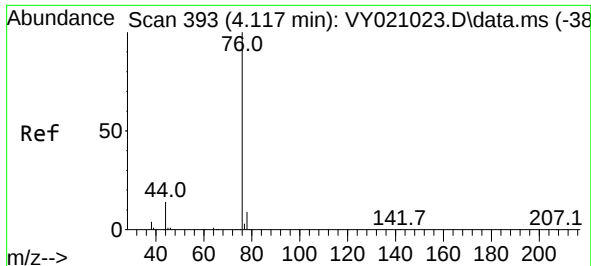
Tgt Ion: 53 Resp: 4406
Ion Ratio Lower Upper
53 100
52 77.6 65.1 97.7
51 26.1 29.0 43.4#



#16
Acetone
Concen: 13.493 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion: 43 Resp: 3891
Ion Ratio Lower Upper
43 100
58 25.9 26.6 39.8#

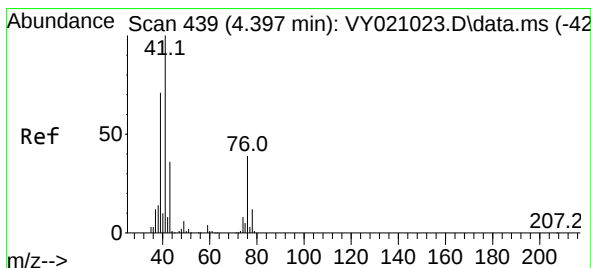
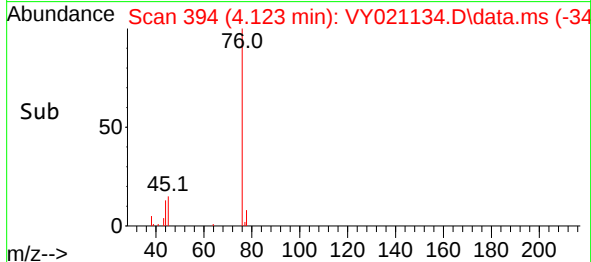
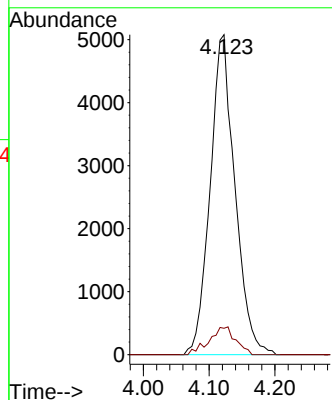
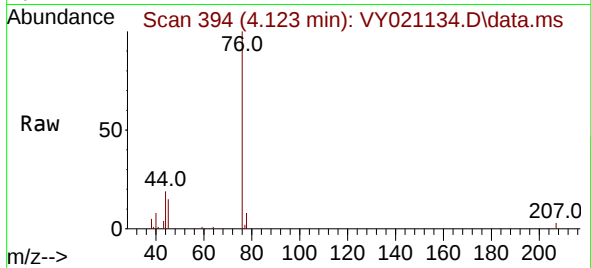




#17
Carbon Disulfide
Concen: 2.472 ug/l
RT: 4.123 min Scan# 394
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

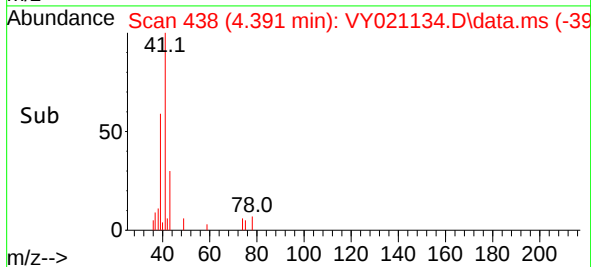
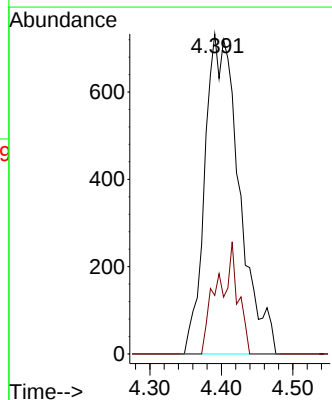
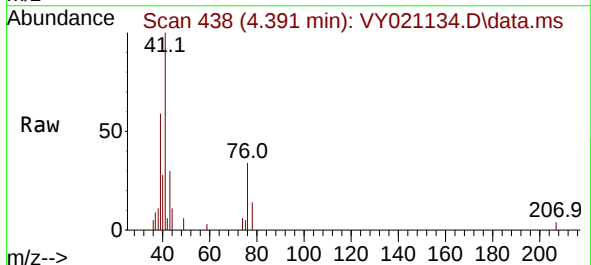
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

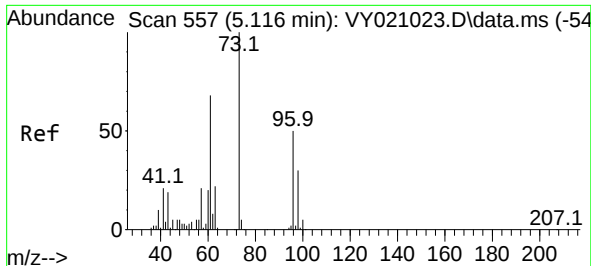
Tgt Ion: 76 Resp: 13341
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.0



#18
Methyl Acetate
Concen: 2.419 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion: 43 Resp: 2449
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#





#19

Methyl tert-butyl Ether

Concen: 2.180 ug/l

RT: 5.128 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

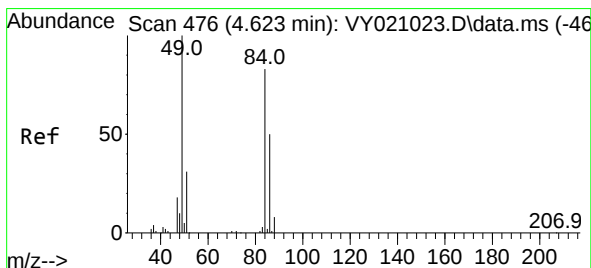
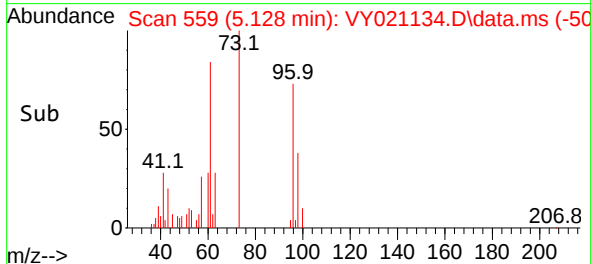
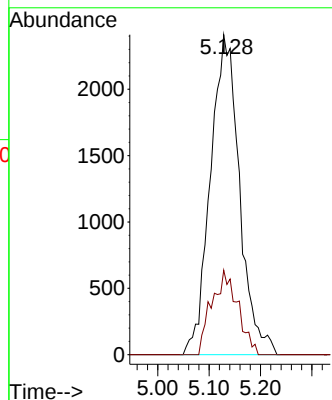
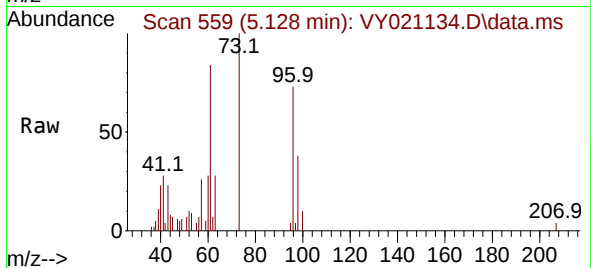
MDL-SOIL-03-QT1-2025

Tgt Ion: 73 Resp: 9481

Ion Ratio Lower Upper

73 100

57 26.4 17.7 26.5



#20

Methylene Chloride

Concen: 2.772 ug/l

RT: 4.635 min Scan# 478

Delta R.T. 0.012 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Tgt Ion: 84 Resp: 4970

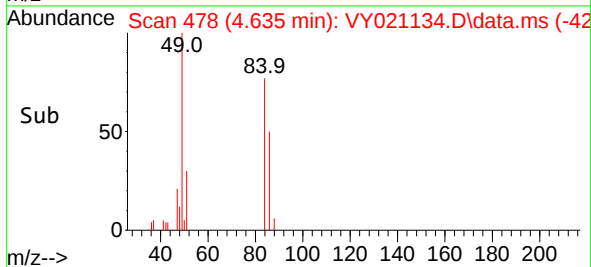
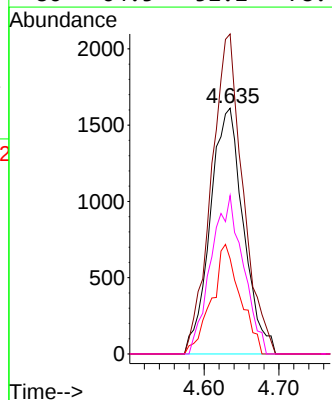
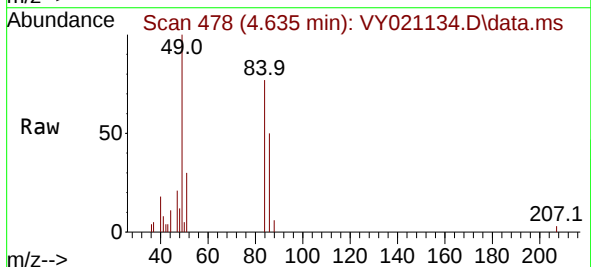
Ion Ratio Lower Upper

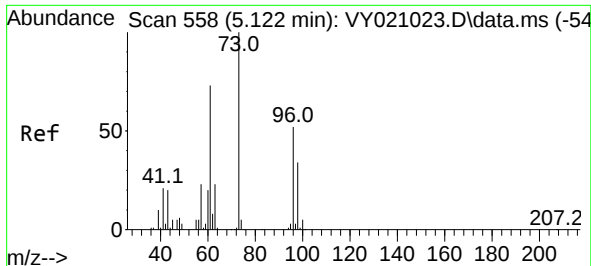
84 100

49 130.2 95.2 142.8

51 38.7 29.9 44.9

86 64.5 52.2 78.4

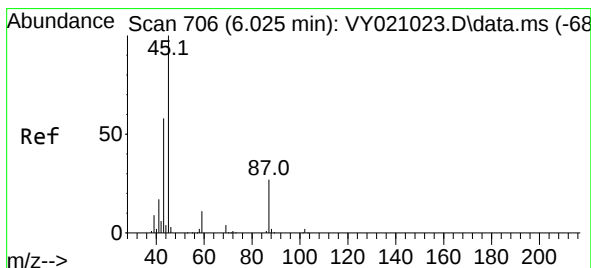
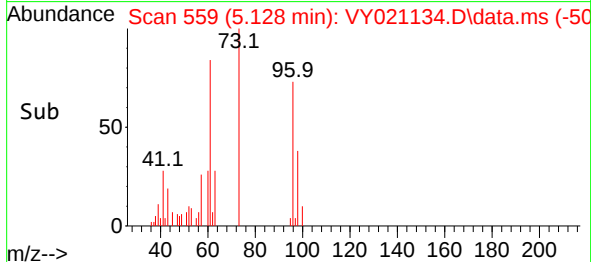
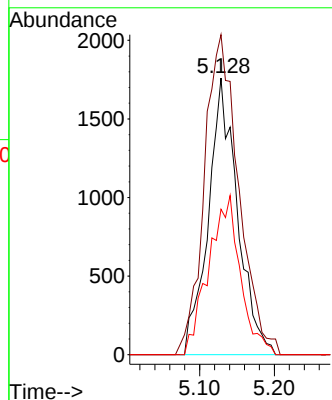
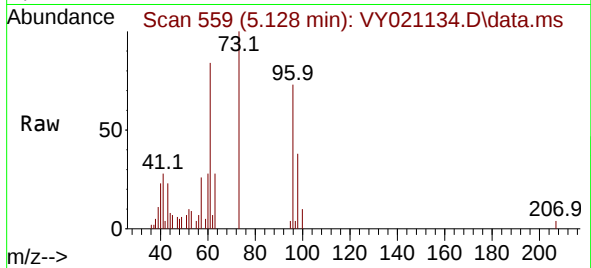




#21
trans-1,2-Dichloroethene
Concen: 2.523 ug/l
RT: 5.128 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

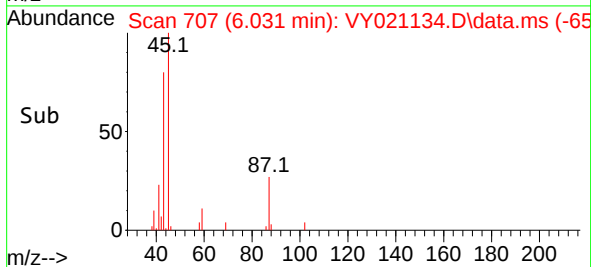
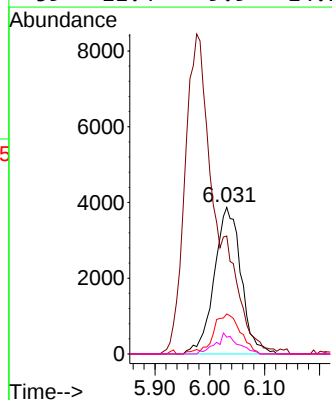
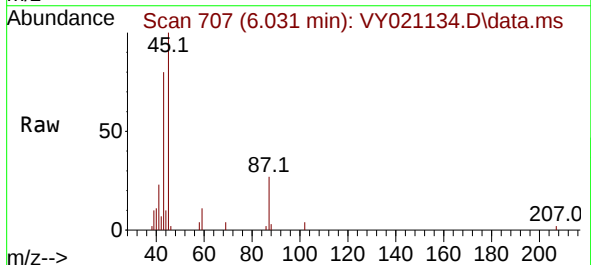
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

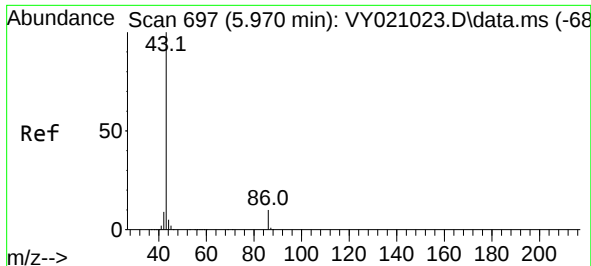
Tgt Ion: 96 Resp: 4780
Ion Ratio Lower Upper
96 100
61 115.7 104.6 156.8
98 52.6 50.9 76.3



#22
Diisopropyl ether
Concen: 2.199 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion: 45 Resp: 13146
Ion Ratio Lower Upper
45 100
43 77.0 46.8 70.2#
87 27.3 22.2 33.2
59 11.4 9.9 14.9

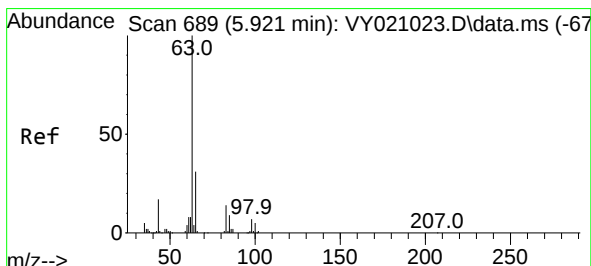
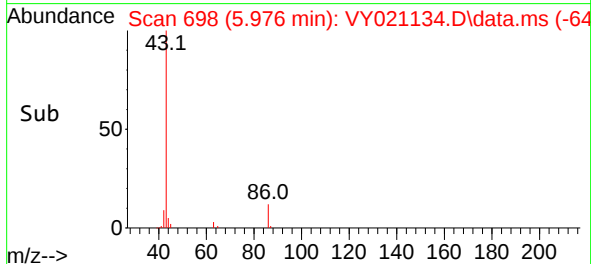
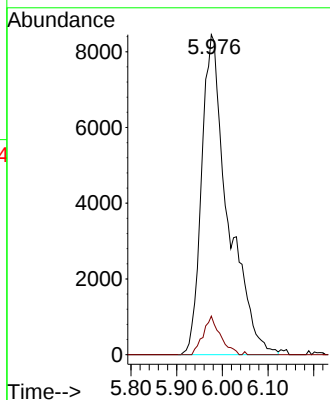
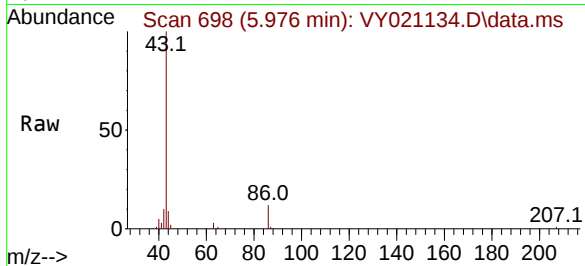




#23
 Vinyl Acetate
 Concen: 10.183 ug/l
 RT: 5.976 min Scan# 697
 Delta R.T. 0.006 min
 Lab File: VY021134.D
 Acq: 07 Feb 2025 12:44

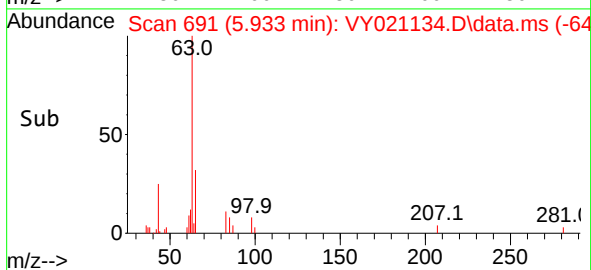
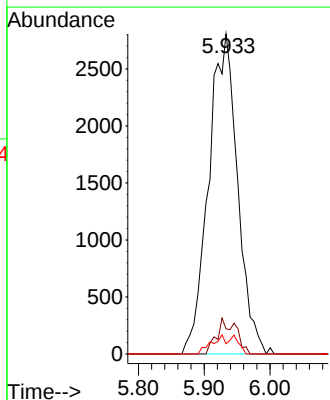
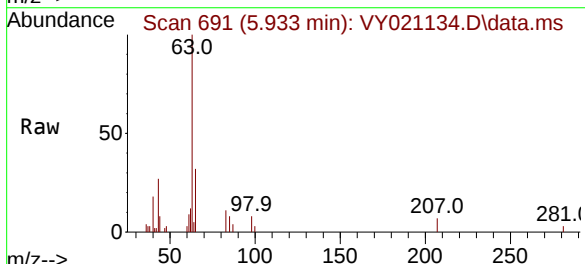
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

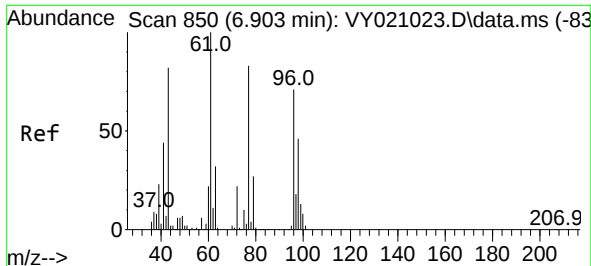
Tgt Ion: 43 Resp: 33935
 Ion Ratio Lower Upper
 43 100
 86 12.1 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 2.459 ug/l
 RT: 5.933 min Scan# 691
 Delta R.T. 0.012 min
 Lab File: VY021134.D
 Acq: 07 Feb 2025 12:44

Tgt Ion: 63 Resp: 8612
 Ion Ratio Lower Upper
 63 100
 98 7.9 3.8 11.4
 100 3.2 2.1 6.2

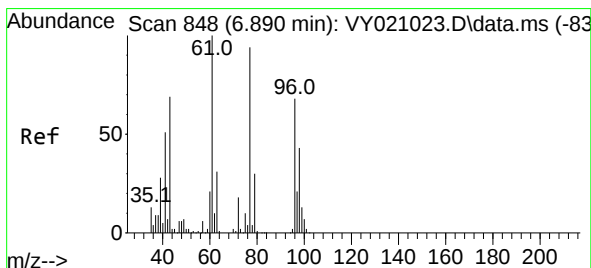
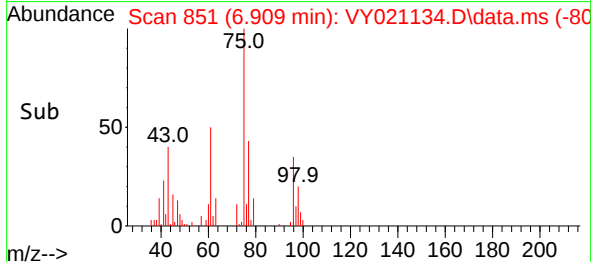
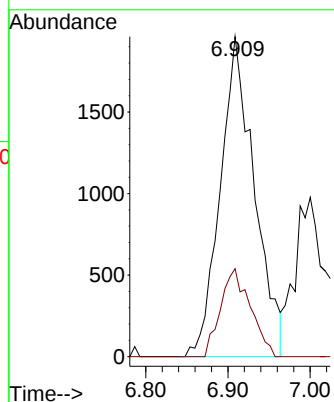
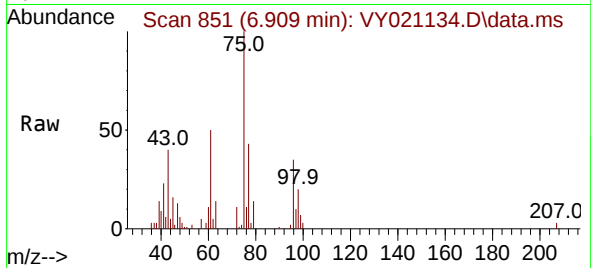




#25
2-Butanone
Concen: 11.969 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

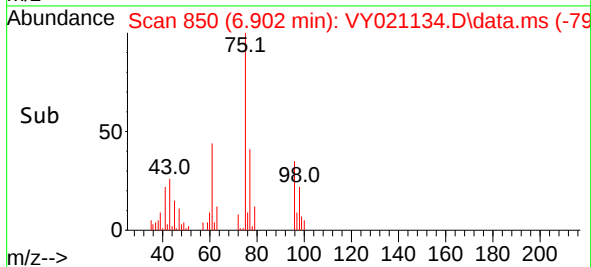
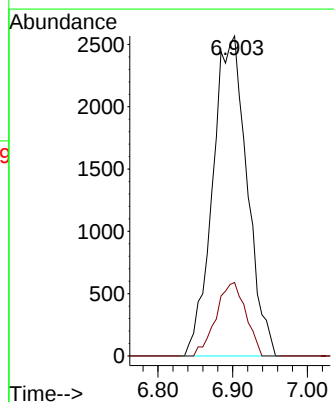
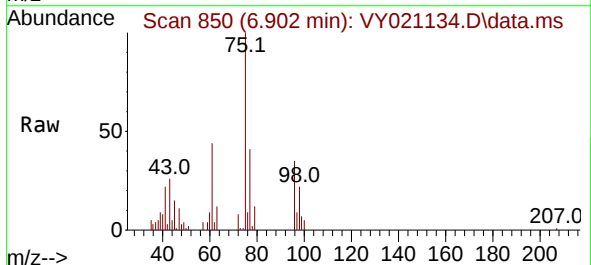
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

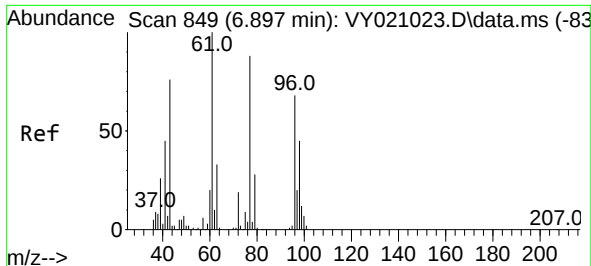
Tgt Ion: 43 Resp: 5672
Ion Ratio Lower Upper
43 100
72 27.5 21.4 32.2



#26
2,2-Dichloropropane
Concen: 2.525 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion: 77 Resp: 8184
Ion Ratio Lower Upper
77 100
97 19.9 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 2.354 ug/l

RT: 6.902 min Scan# 81

Delta R.T. 0.006 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

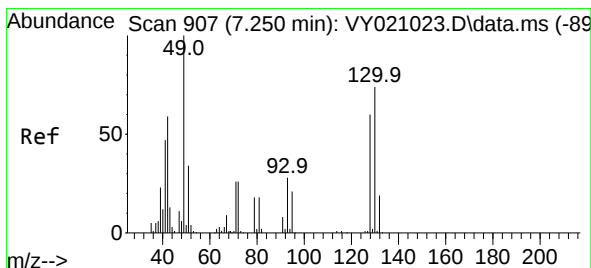
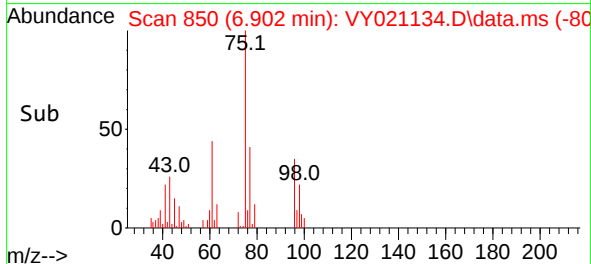
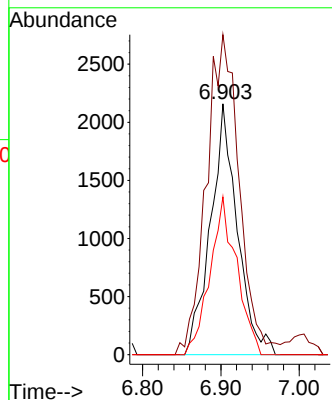
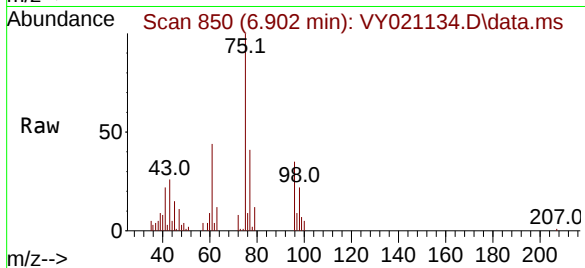
Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 96	Resp: 5132
Ion Ratio	Lower Upper
96 100	
61 156.7	0.0 278.8
98 62.7	0.0 127.0



#28

Bromochloromethane

Concen: 3.044 ug/l

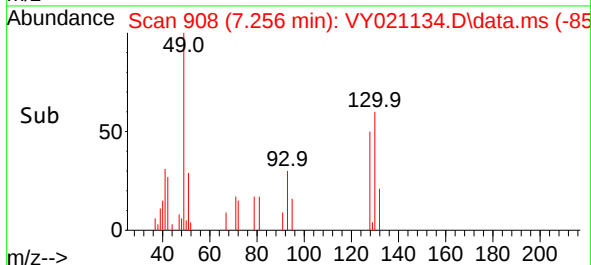
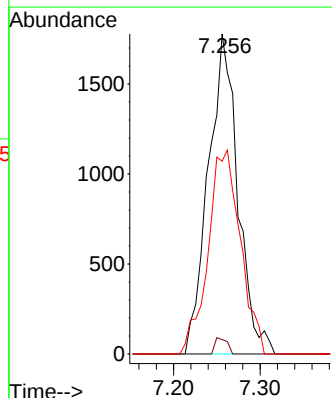
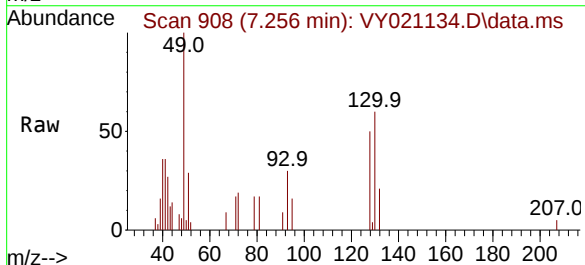
RT: 7.256 min Scan# 908

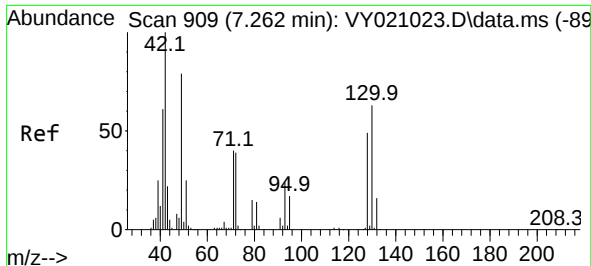
Delta R.T. 0.006 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Tgt Ion: 49	Resp: 4216
Ion Ratio	Lower Upper
49 100	
129 2.1	0.0 3.8
130 69.8	59.8 89.8

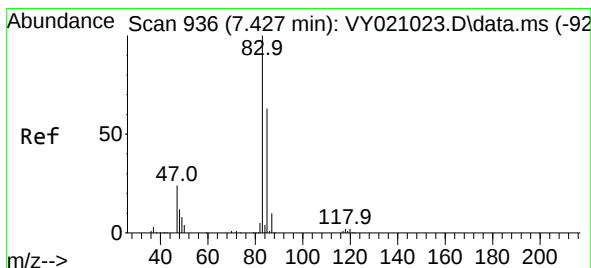
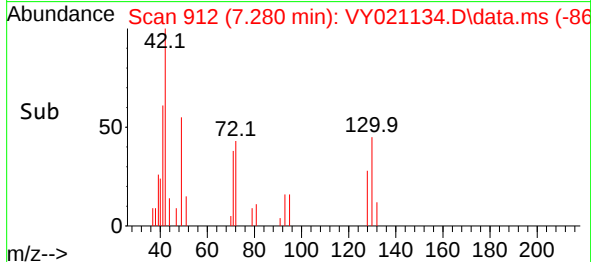
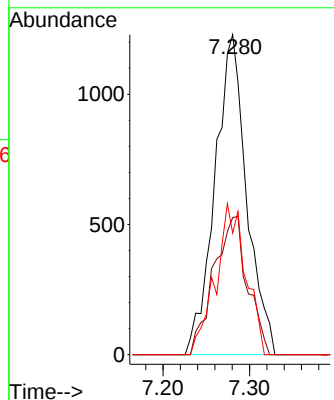
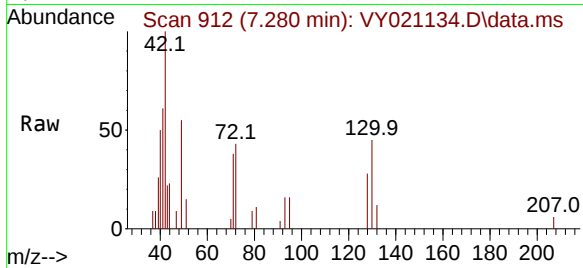




#29
Tetrahydrofuran
Concen: 9.767 ug/l
RT: 7.280 min Scan# 912
Delta R.T. 0.018 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

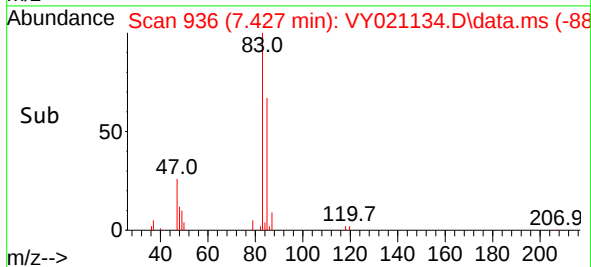
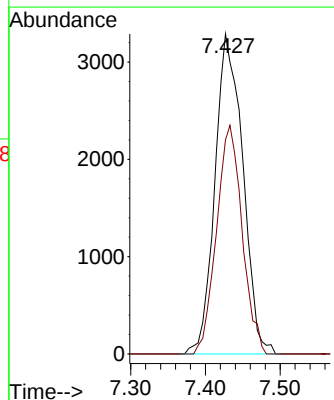
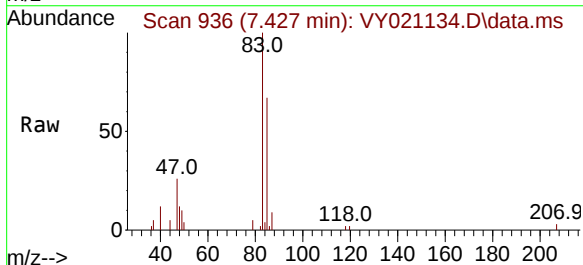
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

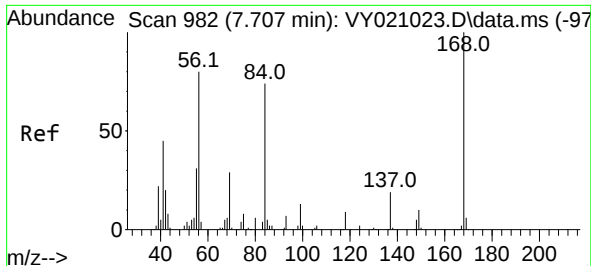
Tgt Ion: 42 Resp: 3132
Ion Ratio Lower Upper
42 100
72 45.8 36.6 54.8
71 44.7 33.8 50.6



#30
Chloroform
Concen: 2.366 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion: 83 Resp: 8512
Ion Ratio Lower Upper
83 100
85 66.9 51.2 76.8

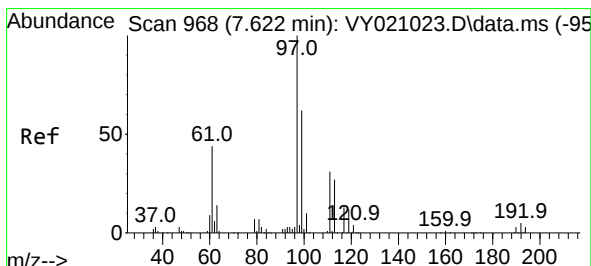
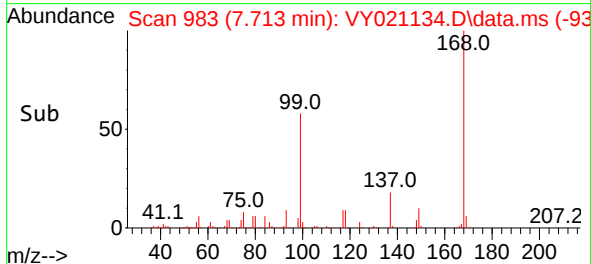
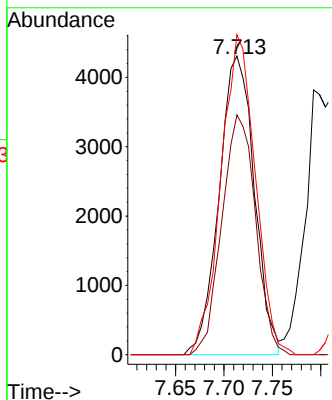
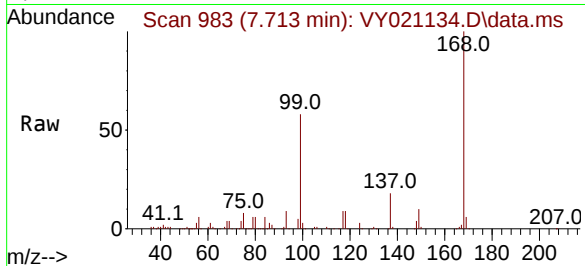




#31
Cyclohexane
Concen: 3.460 ug/l
RT: 7.713 min Scan# 913
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

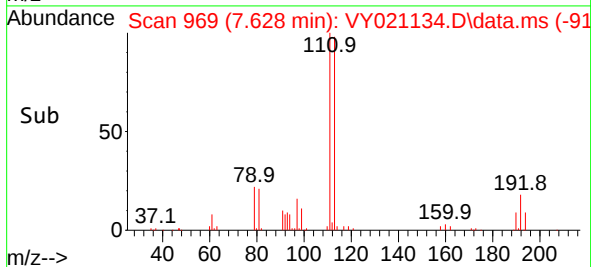
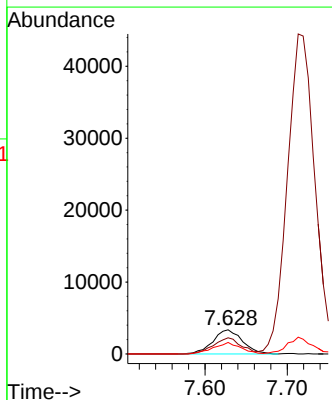
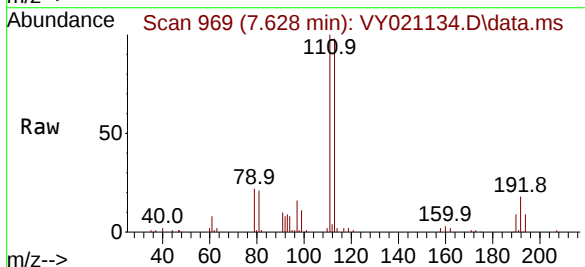
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

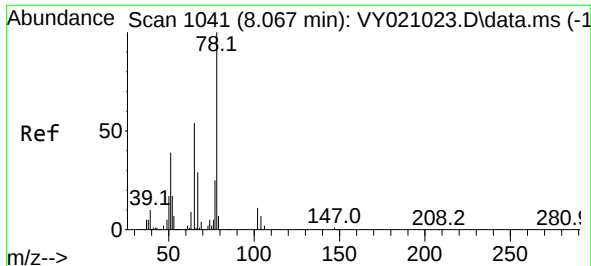
Tgt Ion: 56 Resp: 10913
Ion Ratio Lower Upper
56 100
69 80.3 27.0 40.6#
84 107.1 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 2.507 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion: 97 Resp: 8385
Ion Ratio Lower Upper
97 100
99 63.5 51.2 76.8
61 43.5 35.0 52.6





#33

1,2-Dichloroethane-d4

Concen: 45.923 ug/l

RT: 8.073 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

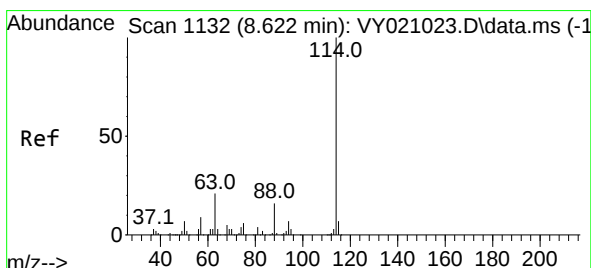
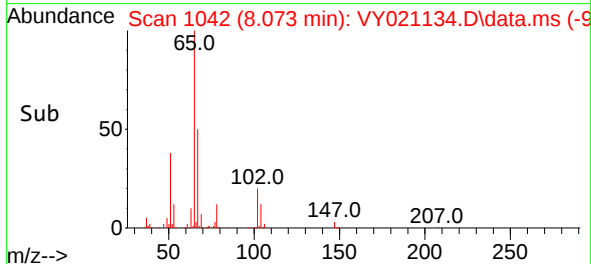
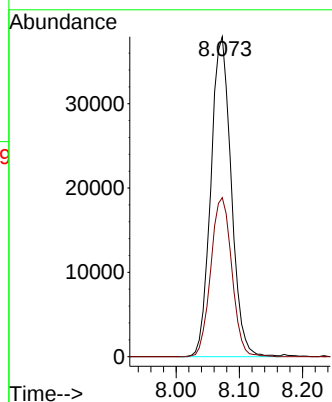
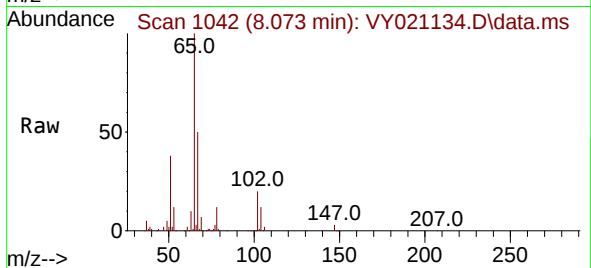
MDL-SOIL-03-QT1-2025

Tgt Ion: 65 Resp: 84919

Ion Ratio Lower Upper

65 100

67 51.2 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

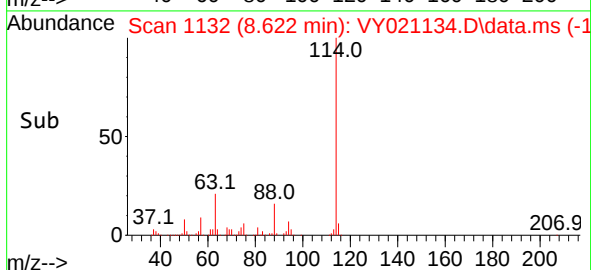
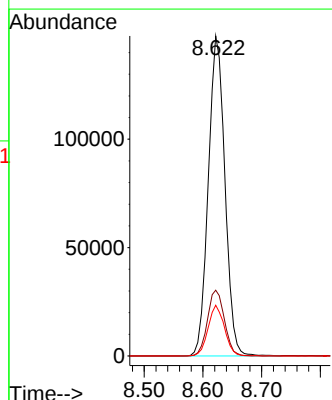
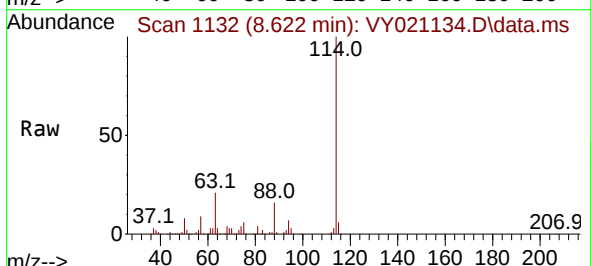
Tgt Ion:114 Resp: 290575

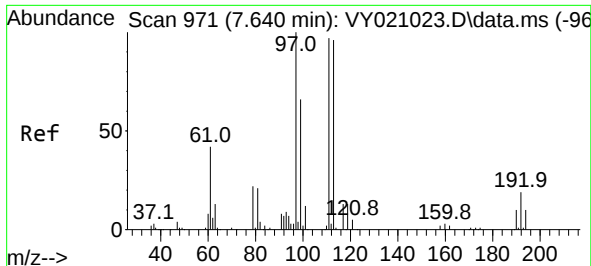
Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.4

88 15.8 0.0 29.0

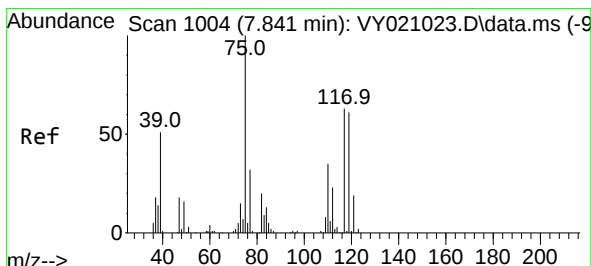
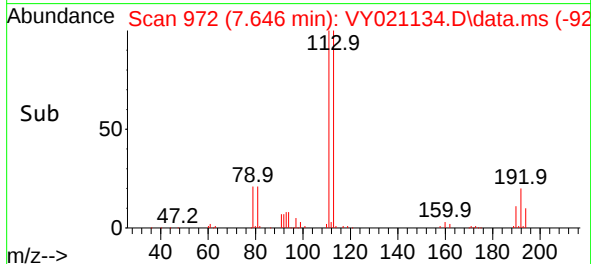
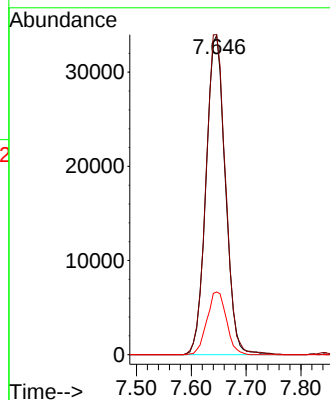
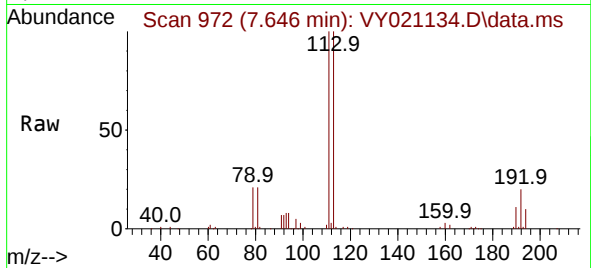




#35
Dibromofluoromethane
Concen: 44.314 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

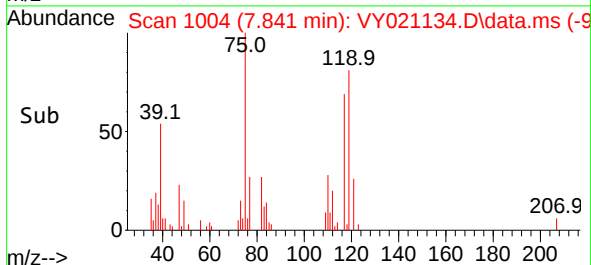
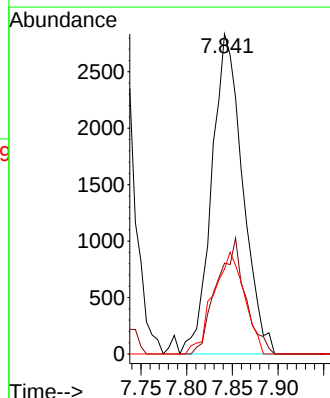
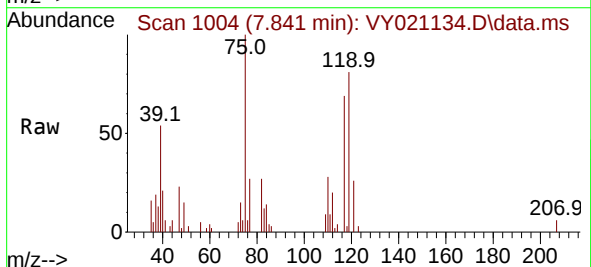
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

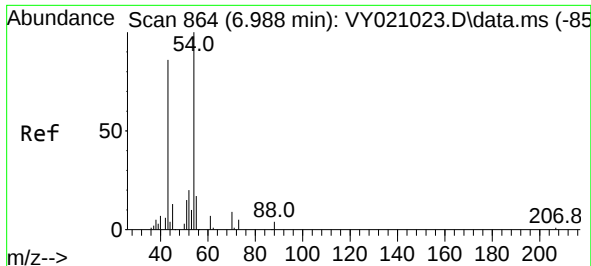
Tgt Ion:113 Resp: 82522
Ion Ratio Lower Upper
113 100
111 101.5 83.8 125.6
192 19.9 14.5 21.7



#36
1,1-Dichloropropene
Concen: 2.417 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion: 75 Resp: 6668
Ion Ratio Lower Upper
75 100
110 33.4 17.4 52.3
77 32.2 24.7 37.1





#37

Ethyl Acetate

Concen: 1.711 ug/l

RT: 7.000 min Scan# 8

Delta R.T. 0.012 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

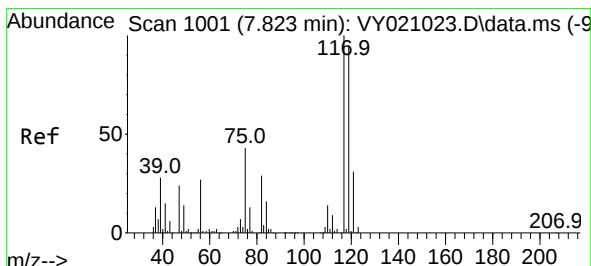
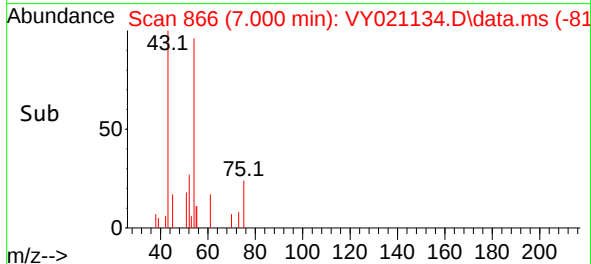
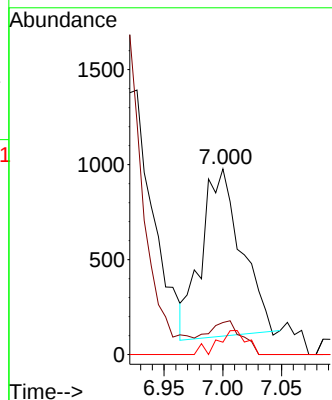
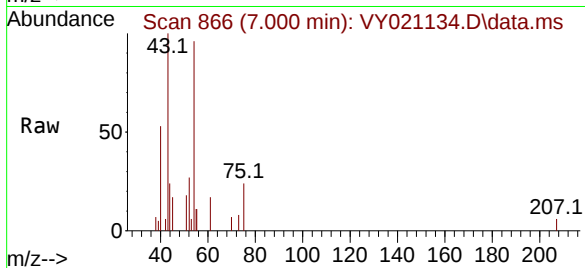
Tgt Ion: 43 Resp: 2070

Ion Ratio Lower Upper

43 100

61 17.4 11.0 16.6#

70 10.5 8.1 12.1



#38

Carbon Tetrachloride

Concen: 2.277 ug/l

RT: 7.829 min Scan# 1002

Delta R.T. 0.006 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

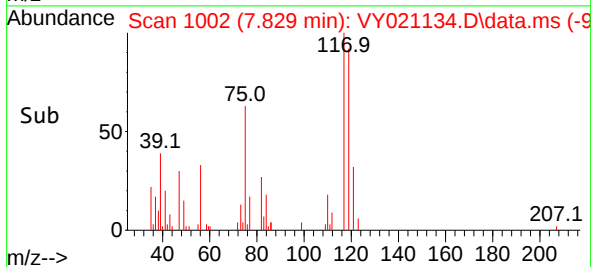
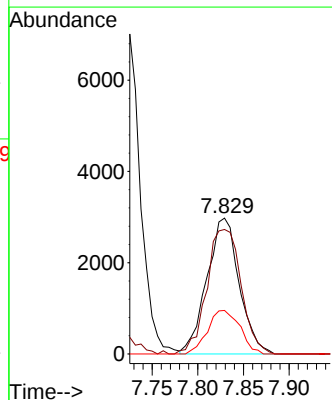
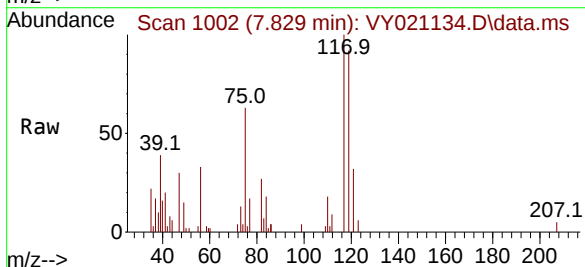
Tgt Ion: 117 Resp: 7340

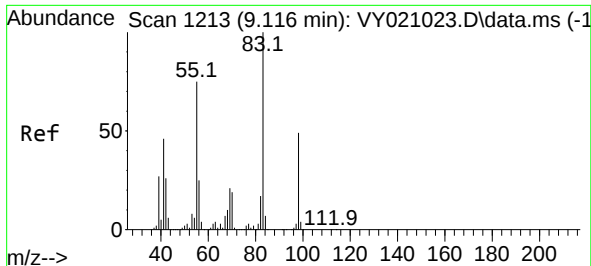
Ion Ratio Lower Upper

117 100

119 91.6 76.0 114.0

121 32.0 24.2 36.2

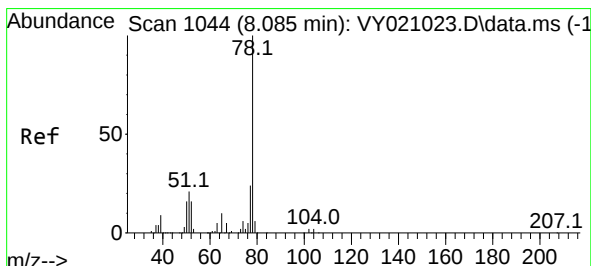
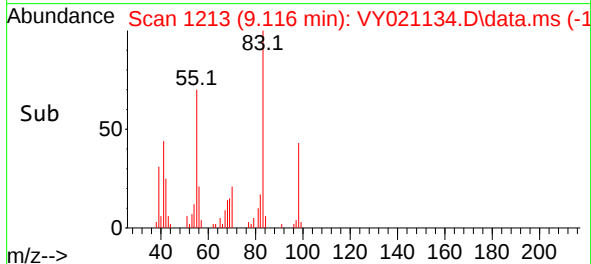
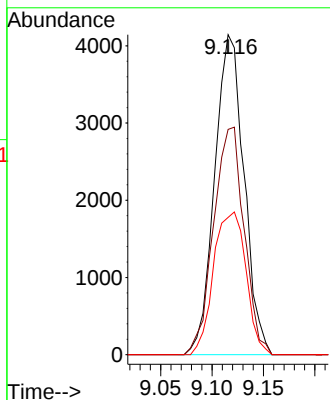
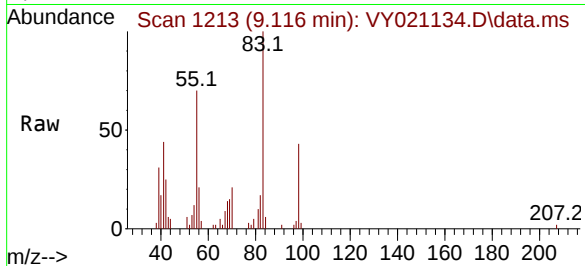




#39
Methylcyclohexane
Concen: 2.439 ug/l
RT: 9.116 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

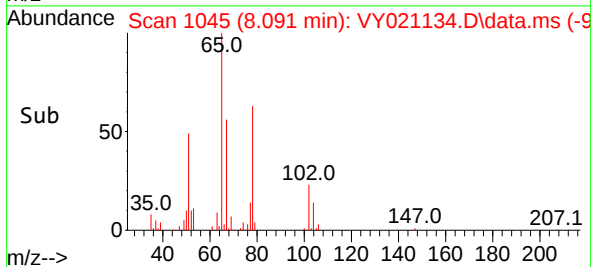
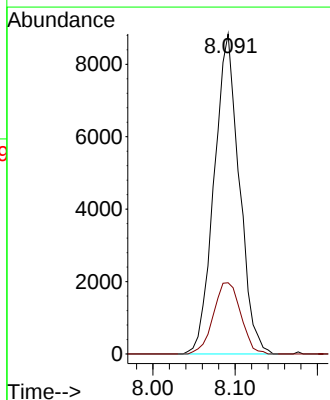
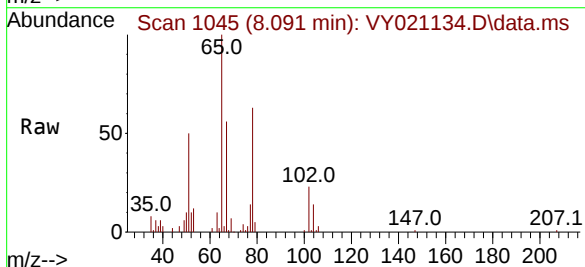
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

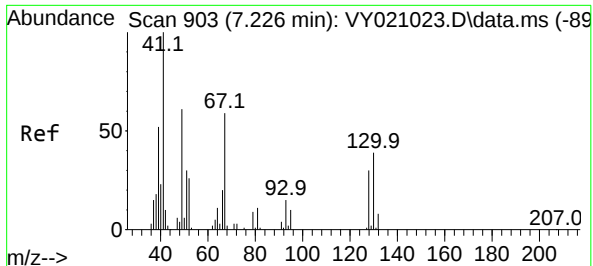
Tgt Ion: 83 Resp: 8228
Ion Ratio Lower Upper
83 100
55 70.4 59.7 89.5
98 42.9 38.0 57.0



#40
Benzene
Concen: 2.320 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion: 78 Resp: 18777
Ion Ratio Lower Upper
78 100
77 22.2 18.8 28.2

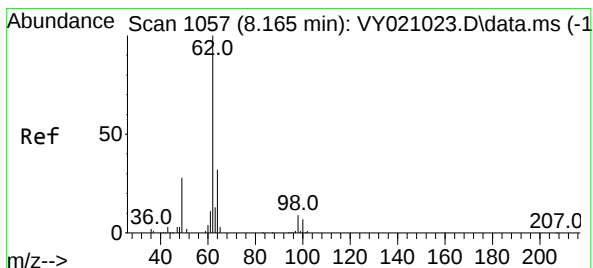
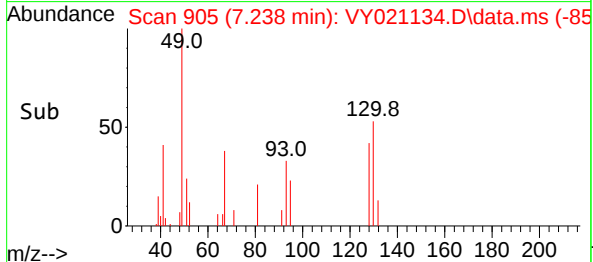
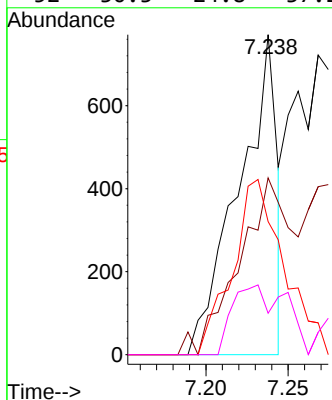
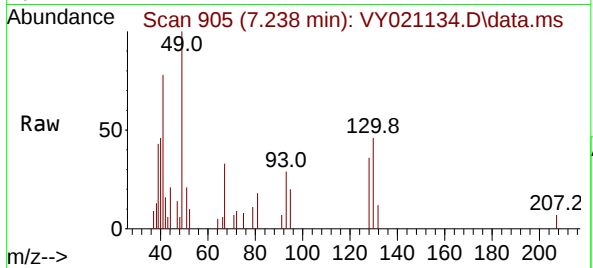




#41
Methacrylonitrile
Concen: 1.783 ug/l
RT: 7.238 min Scan# 903
Delta R.T. 0.012 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

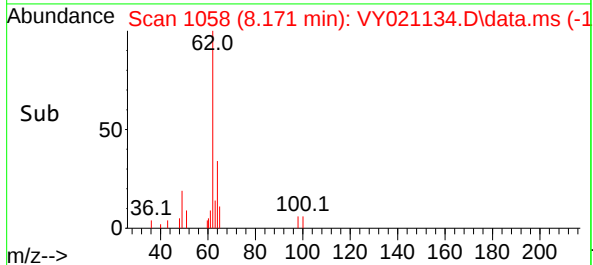
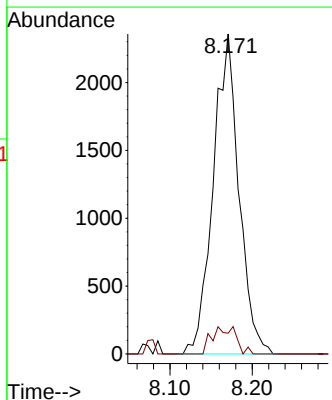
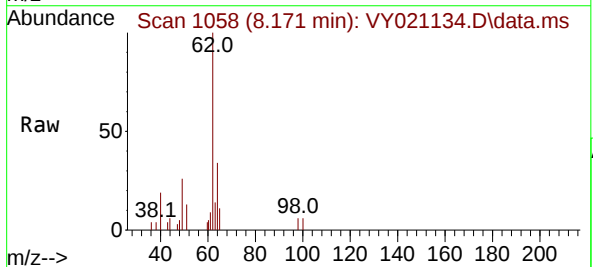
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

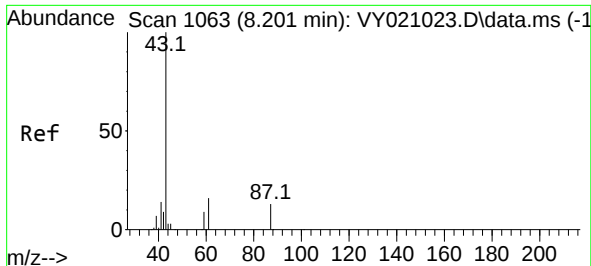
Tgt Ion: 41	Resp: 1248
Ion Ratio	Lower Upper
41 100	
39 76.6	41.9 62.9#
67 73.5	59.8 89.6
52 30.3	24.8 37.2



#42
1,2-Dichloroethane
Concen: 2.288 ug/l
RT: 8.171 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion: 62	Resp: 5138
Ion Ratio	Lower Upper
62 100	
98 7.9	0.0 20.2

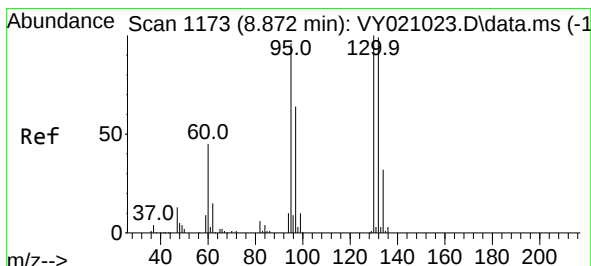
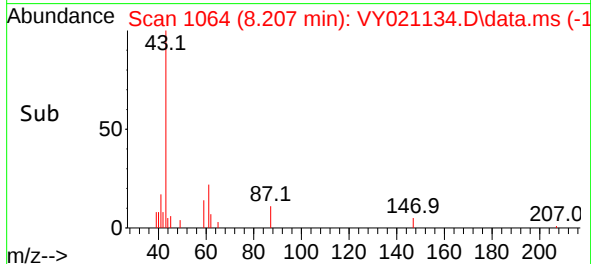
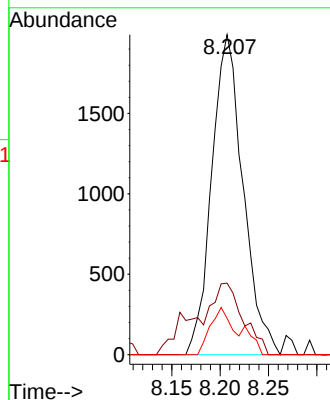
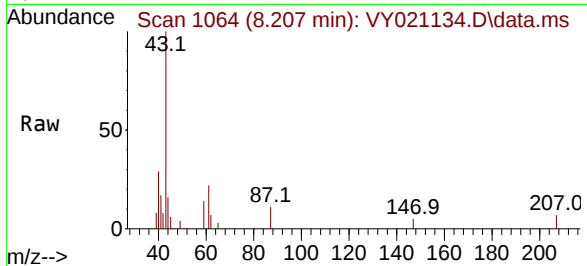




#43
Isopropyl Acetate
Concen: 1.864 ug/l
RT: 8.207 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

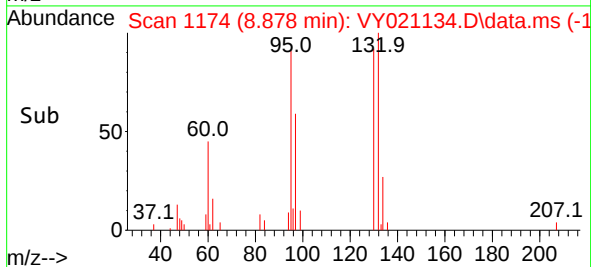
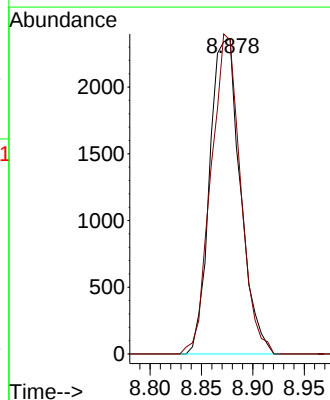
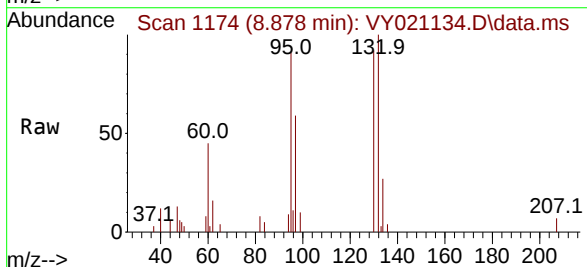
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

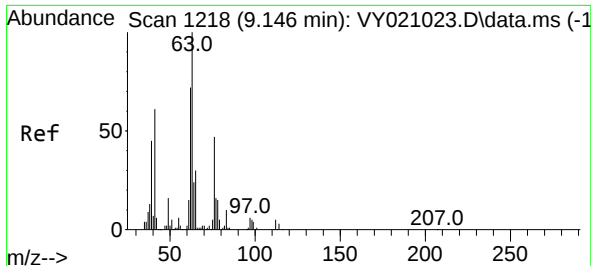
Tgt Ion: 43 Resp: 4482
Ion Ratio Lower Upper
43 100
61 22.4 24.8 37.2#
87 10.3 10.7 16.1#



#44
Trichloroethene
Concen: 2.328 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion: 130 Resp: 4868
Ion Ratio Lower Upper
130 100
95 99.6 0.0 203.8





#45

1,2-Dichloropropane

Concen: 2.322 ug/l

RT: 9.152 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

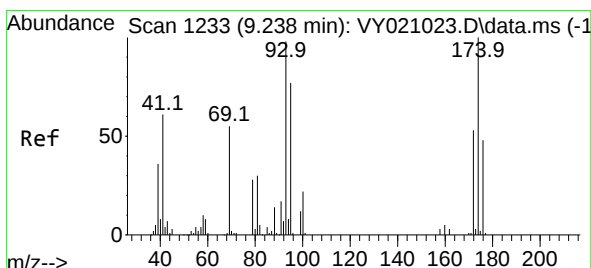
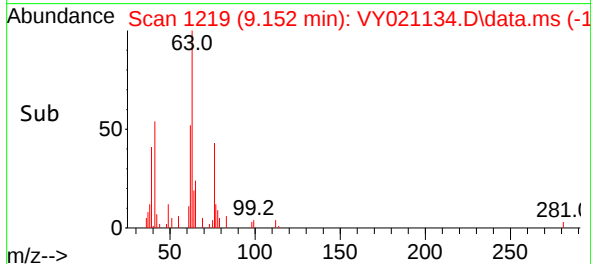
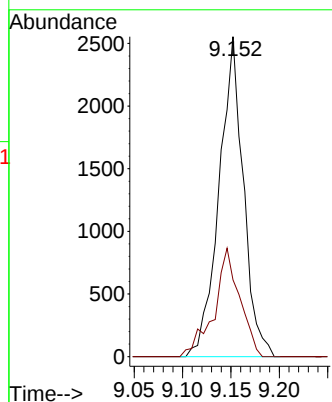
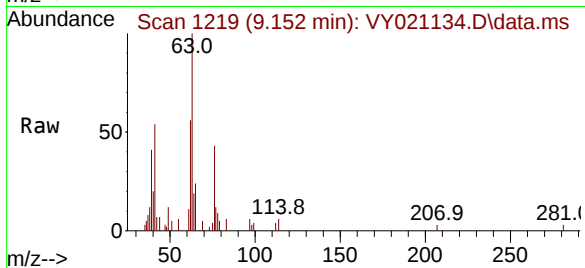
MDL-SOIL-03-QT1-2025

Tgt Ion: 63 Resp: 4462

Ion Ratio Lower Upper

63 100

65 24.0 24.6 36.8#



#46

Dibromomethane

Concen: 2.239 ug/l

RT: 9.244 min Scan# 1234

Delta R.T. 0.006 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

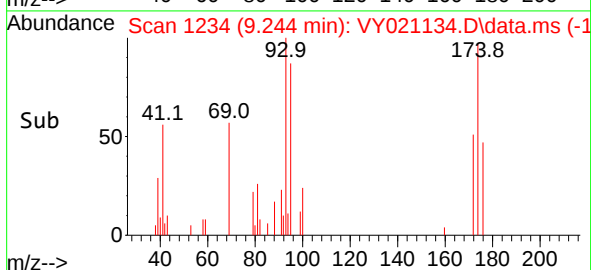
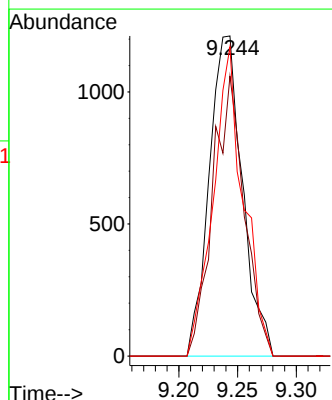
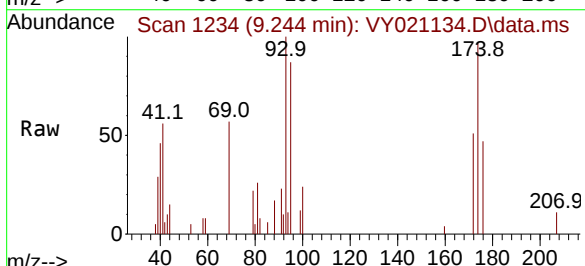
Tgt Ion: 93 Resp: 2382

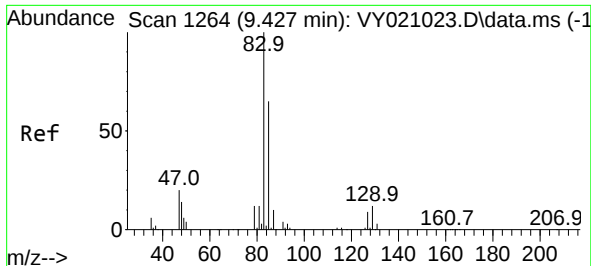
Ion Ratio Lower Upper

93 100

95 82.9 66.6 99.8

174 88.1 73.8 110.6

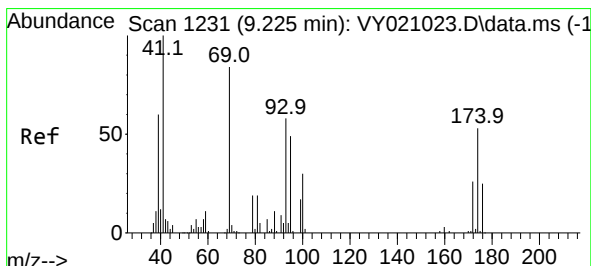
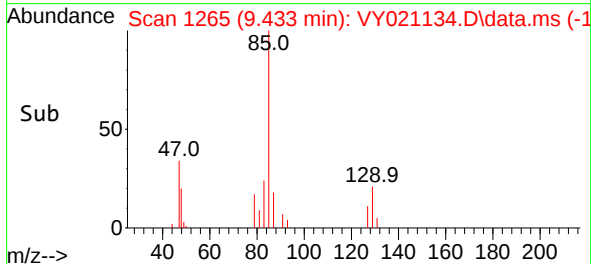
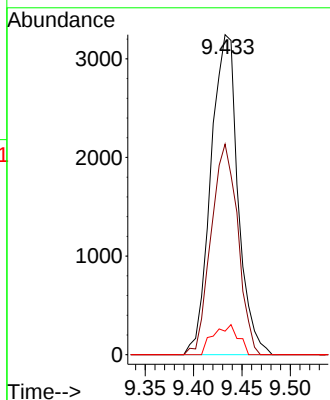
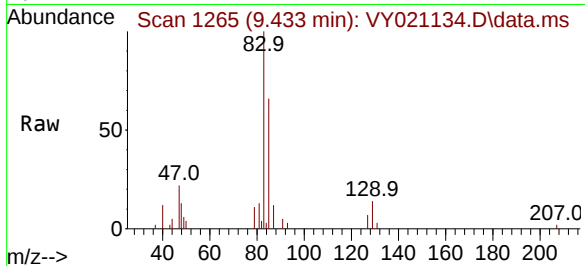




#47
Bromodichloromethane
Concen: 2.218 ug/l
RT: 9.433 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

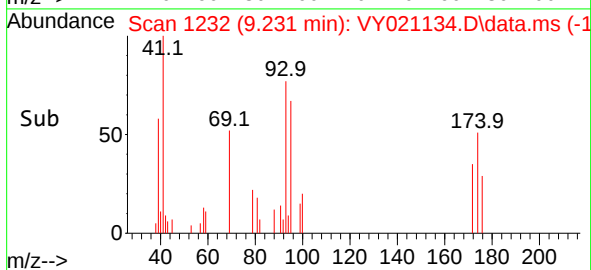
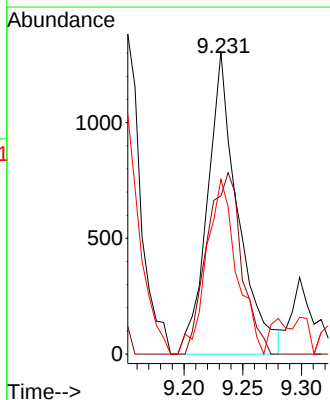
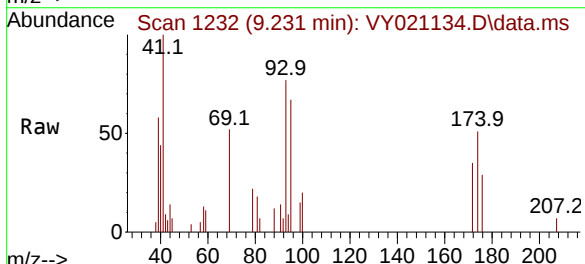
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

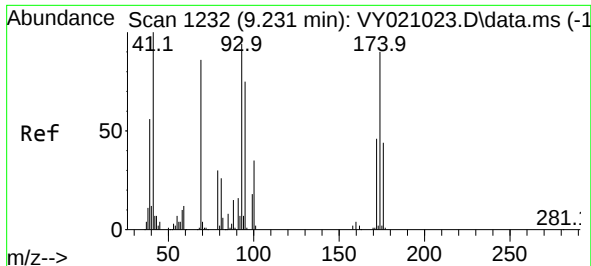
Tgt Ion: 83 Resp: 6329
Ion Ratio Lower Upper
83 100
85 65.8 53.2 79.8
127 7.4 6.4 9.6



#48
Methyl methacrylate
Concen: 2.139 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion: 41 Resp: 2343
Ion Ratio Lower Upper
41 100
69 69.0 72.1 108.1#
39 57.7 42.8 64.2





#49

1,4-Dioxane

Concen: 42.817 ug/l

RT: 9.237 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

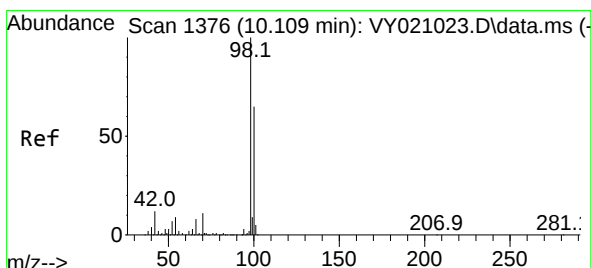
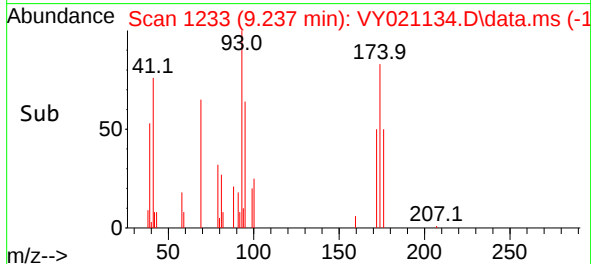
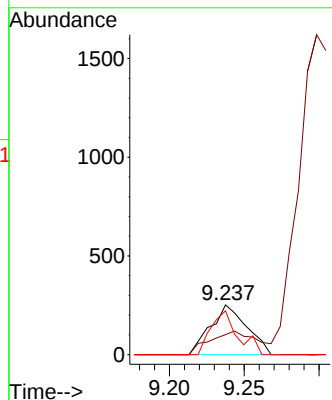
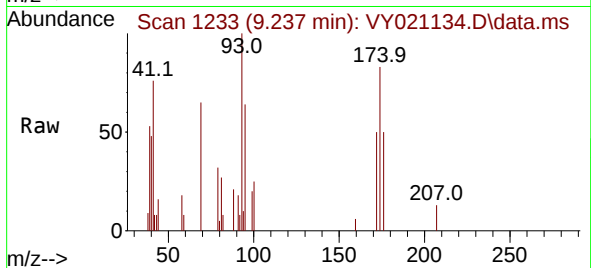
Tgt Ion: 88 Resp: 424

Ion Ratio Lower Upper

88 100

43 62.5 28.2 42.4#

58 65.1 52.2 78.2



#50

Toluene-d8

Concen: 43.317 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY021134.D

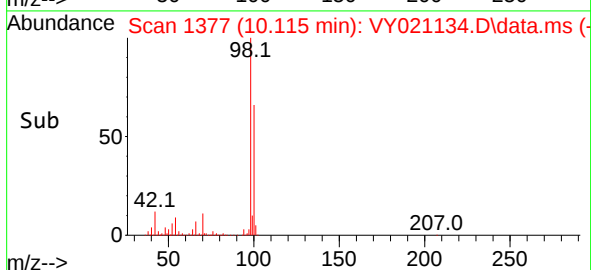
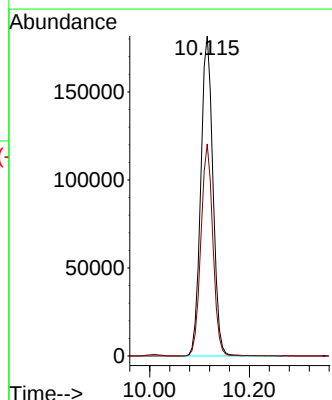
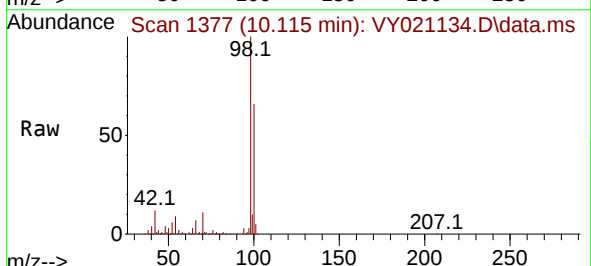
Acq: 07 Feb 2025 12:44

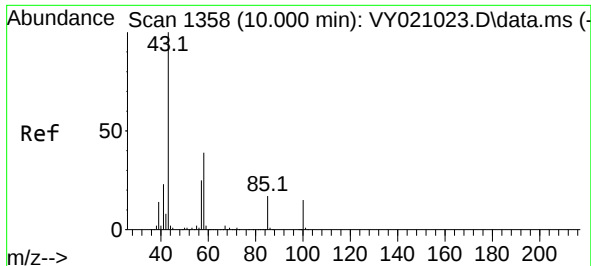
Tgt Ion: 98 Resp: 307095

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5

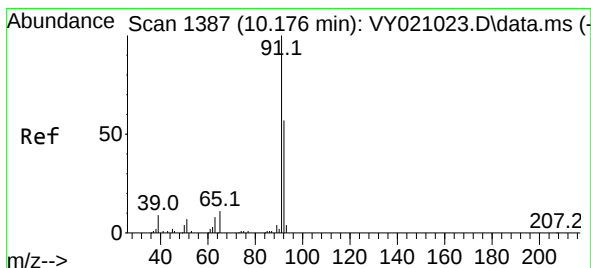
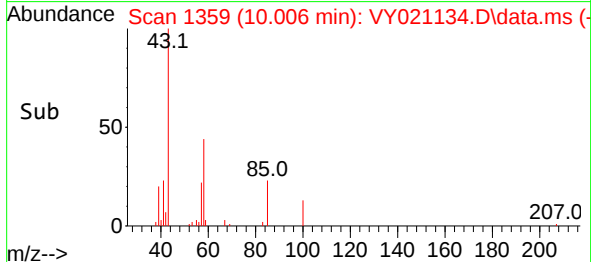
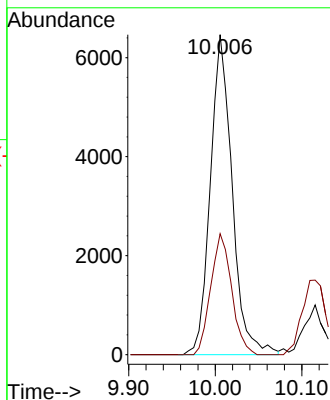
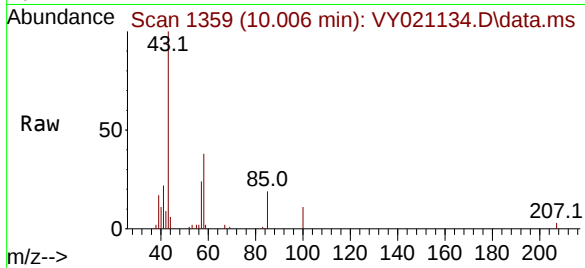




#51
4-Methyl-2-Pentanone
Concen: 9.349 ug/l
RT: 10.006 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

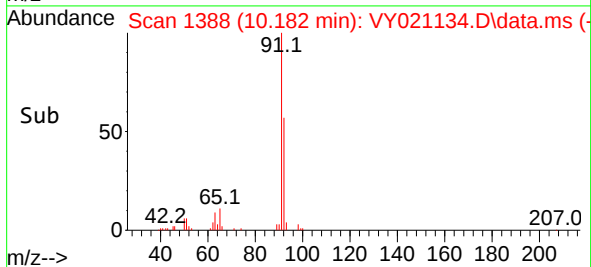
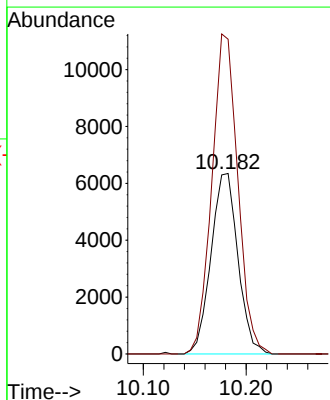
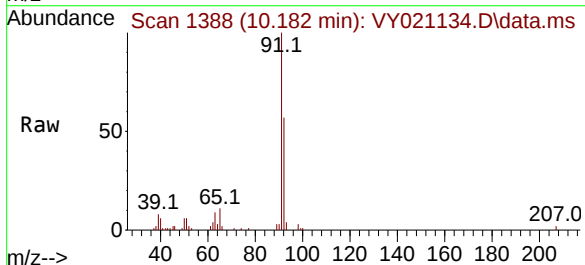
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

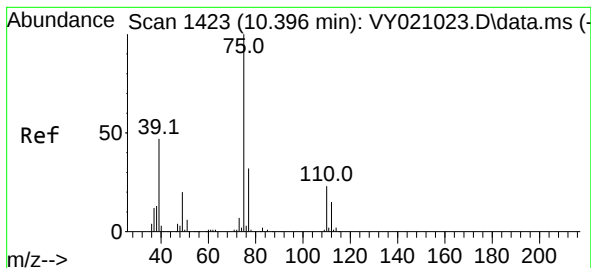
Tgt Ion: 43 Resp: 11304
Ion Ratio Lower Upper
43 100
58 36.3 32.2 48.2



#52
Toluene
Concen: 2.270 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion: 92 Resp: 11538
Ion Ratio Lower Upper
92 100
91 170.8 137.6 206.4

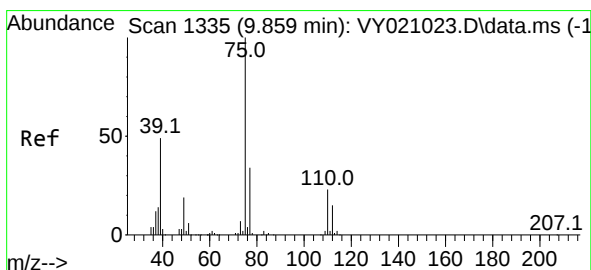
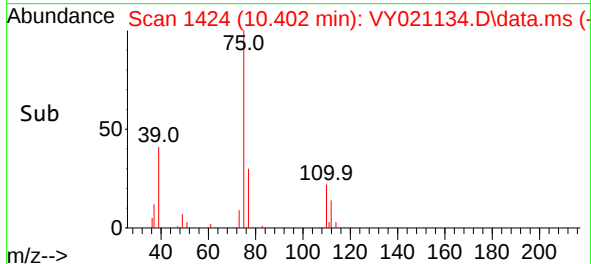
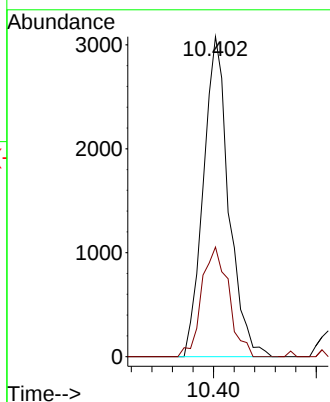
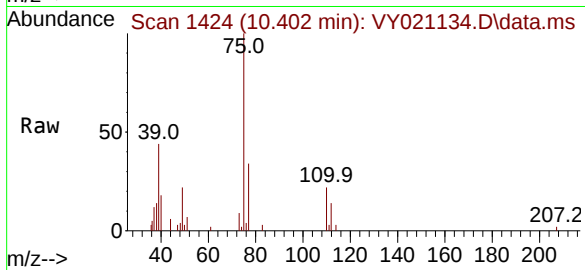




#53
 t-1,3-Dichloropropene
 Concen: 2.066 ug/l
 RT: 10.402 min Scan# 1424
 Delta R.T. 0.006 min
 Lab File: VY021134.D
 Acq: 07 Feb 2025 12:44

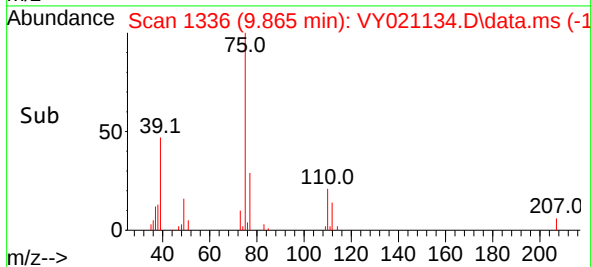
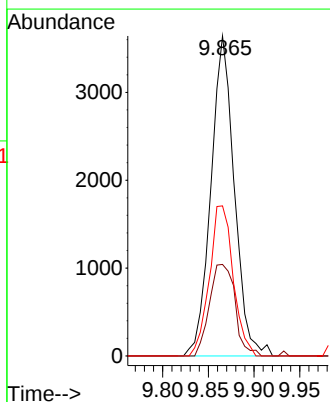
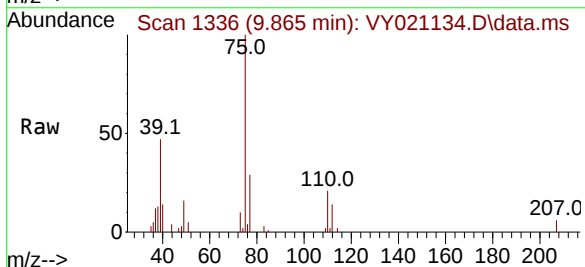
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

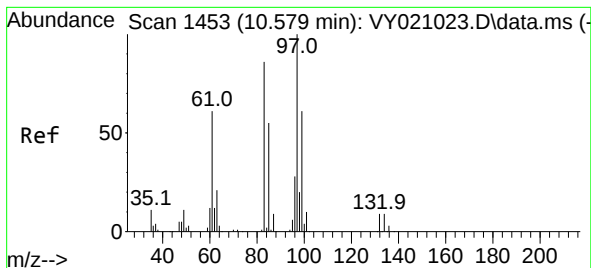
Tgt Ion: 75 Resp: 5292
 Ion Ratio Lower Upper
 75 100
 77 34.2 24.6 36.8



#54
 cis-1,3-Dichloropropene
 Concen: 2.144 ug/l
 RT: 9.865 min Scan# 1336
 Delta R.T. 0.006 min
 Lab File: VY021134.D
 Acq: 07 Feb 2025 12:44

Tgt Ion: 75 Resp: 6502
 Ion Ratio Lower Upper
 75 100
 77 28.6 24.6 36.8
 39 46.9 33.6 50.4





#55

1,1,2-Trichloroethane

Concen: 2.216 ug/l

RT: 10.579 min Scan# 1453

Delta R.T. -0.000 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 97 Resp: 3052

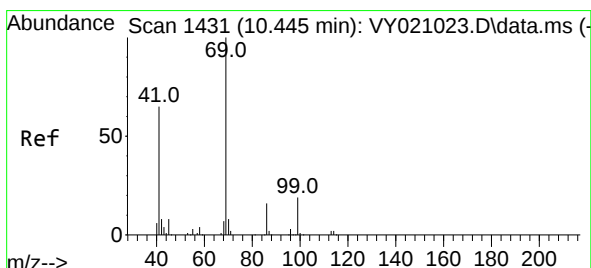
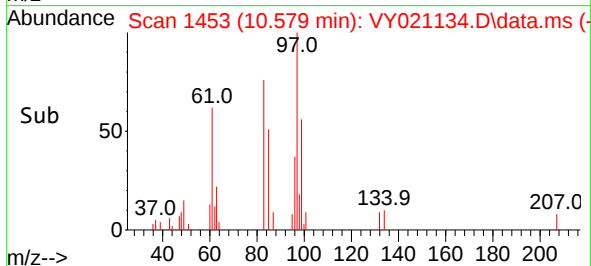
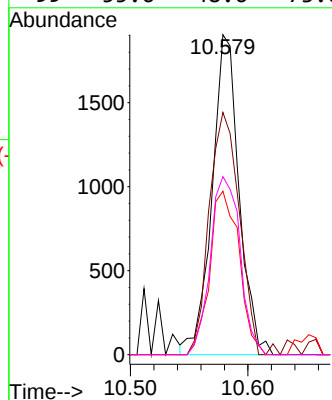
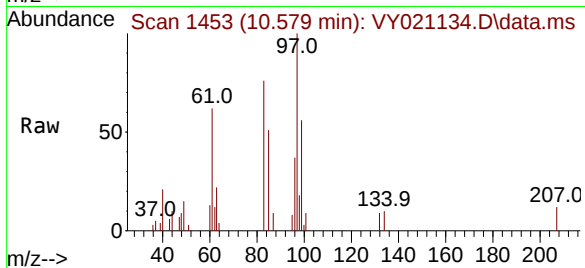
Ion Ratio Lower Upper

97 100

83 75.7 69.4 104.2

85 51.1 43.9 65.9

99 55.6 48.6 73.0



#56

Ethyl methacrylate

Concen: 1.749 ug/l

RT: 10.445 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

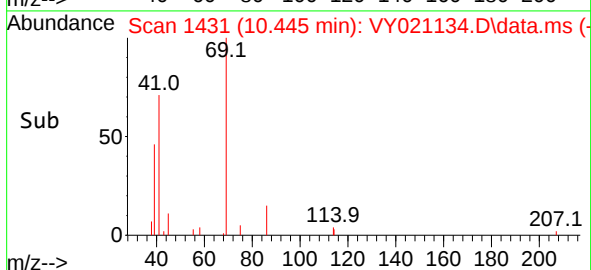
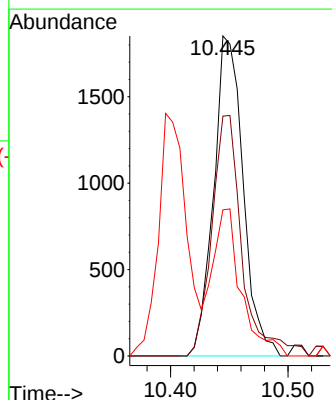
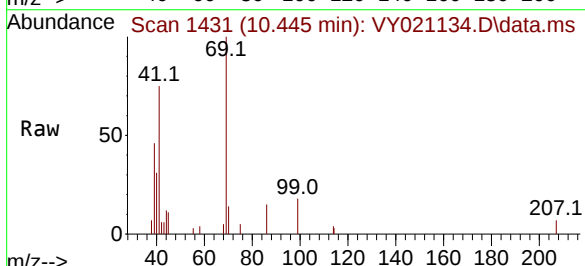
Tgt Ion: 69 Resp: 3223

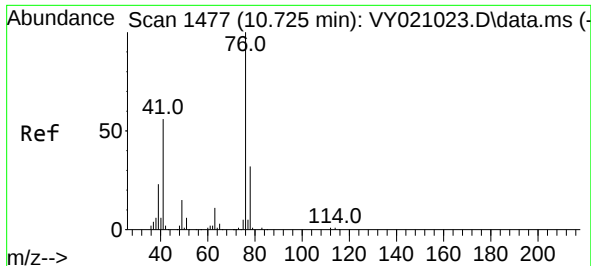
Ion Ratio Lower Upper

69 100

41 77.0 49.2 73.8#

39 45.0 26.8 40.2#





#57

1,3-Dichloropropane

Concen: 2.181 ug/l

RT: 10.725 min Scan# 1477

Delta R.T. -0.000 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

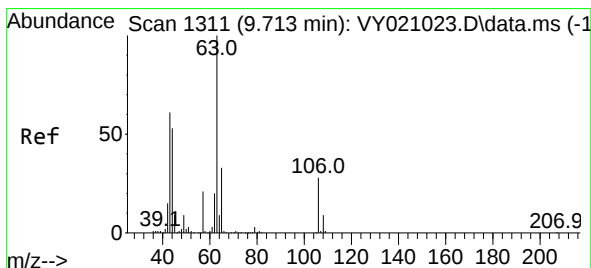
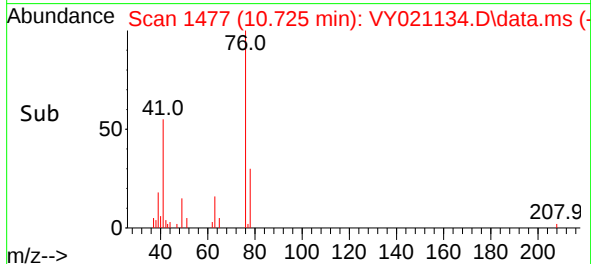
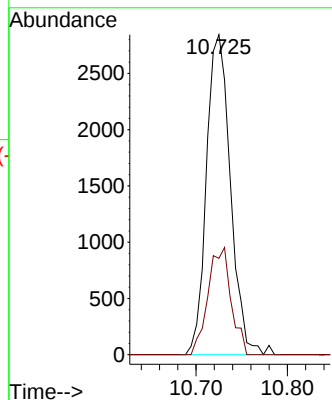
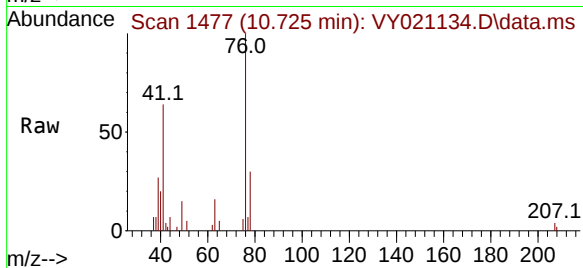
MDL-SOIL-03-QT1-2025

Tgt Ion: 76 Resp: 5201

Ion Ratio Lower Upper

76 100

78 32.2 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 9.381 ug/l

RT: 9.719 min Scan# 1312

Delta R.T. 0.006 min

Lab File: VY021134.D

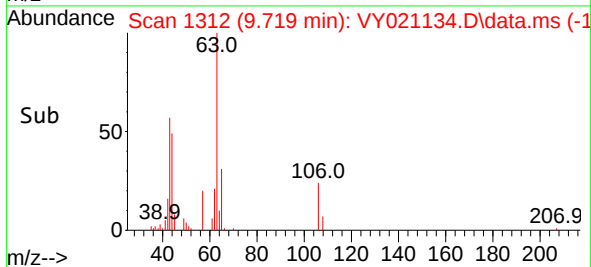
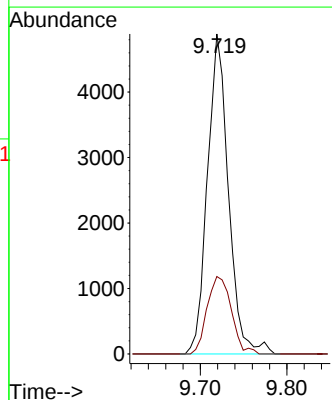
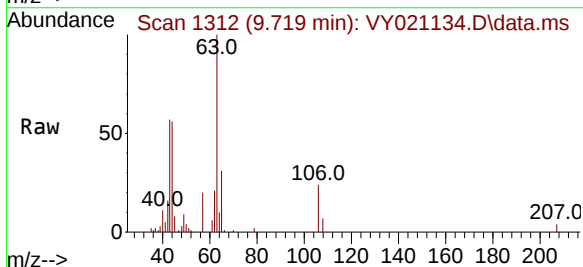
Acq: 07 Feb 2025 12:44

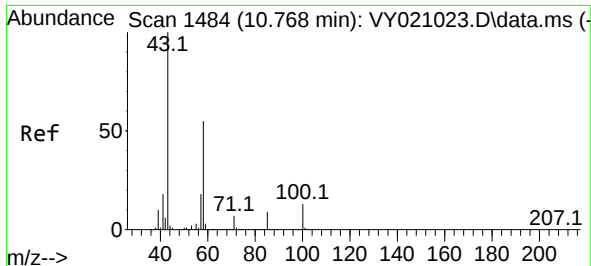
Tgt Ion: 63 Resp: 8224

Ion Ratio Lower Upper

63 100

106 27.9 22.4 33.6

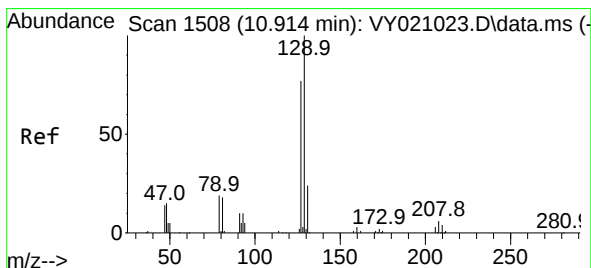
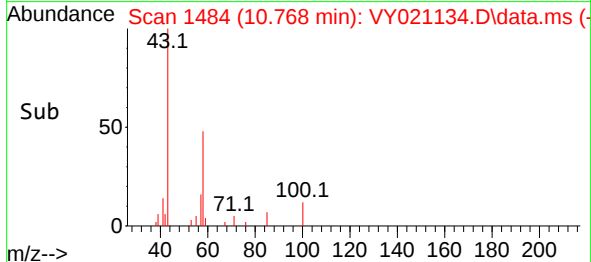
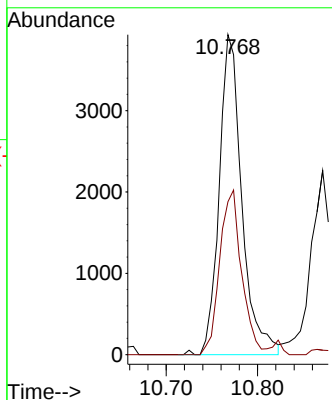
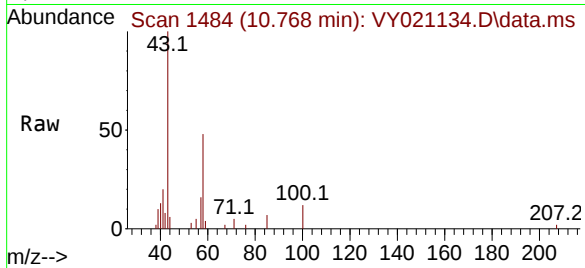




#59
2-Hexanone
Concen: 8.690 ug/l
RT: 10.768 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

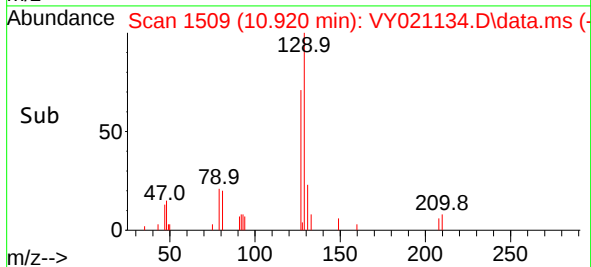
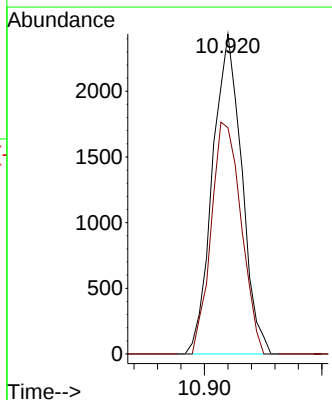
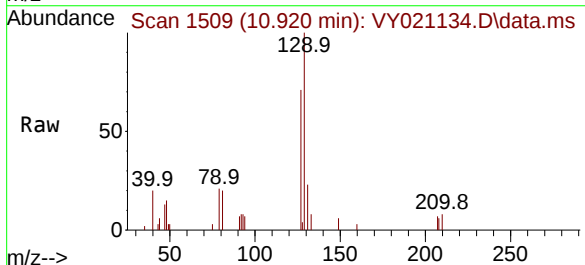
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

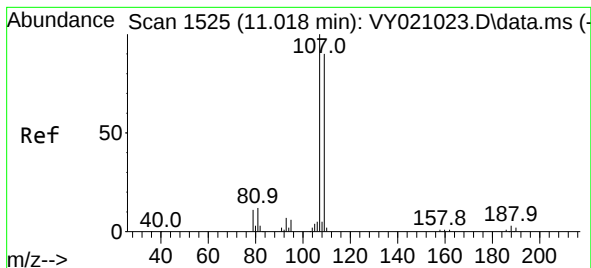
Tgt Ion: 43 Resp: 6765
Ion Ratio Lower Upper
43 100
58 50.1 28.1 84.3



#60
Dibromochloromethane
Concen: 2.174 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion: 129 Resp: 4205
Ion Ratio Lower Upper
129 100
127 74.4 39.2 117.6





#61

1,2-Dibromoethane

Concen: 2.049 ug/l

RT: 11.024 min Scan# 1526

Delta R.T. 0.006 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

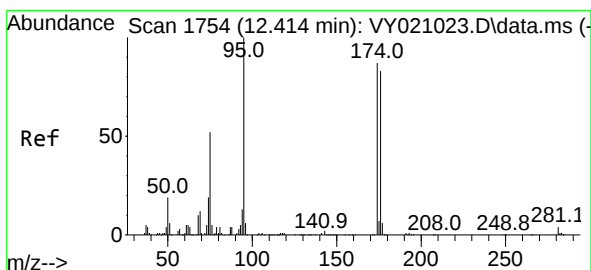
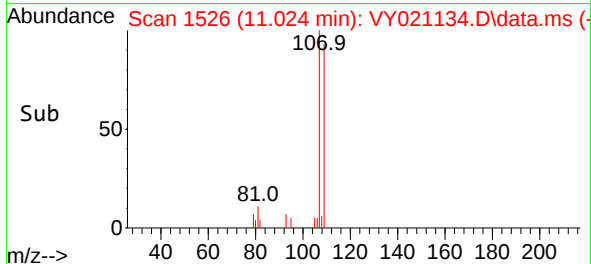
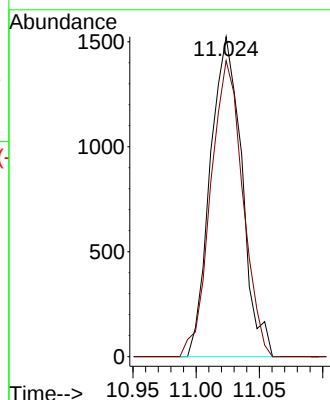
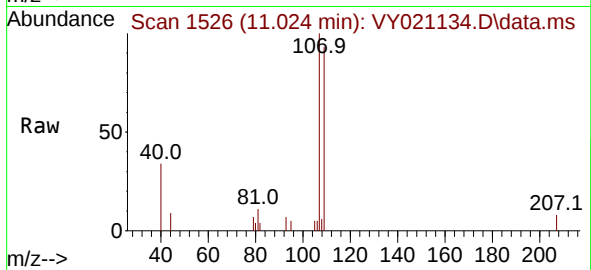
MDL-SOIL-03-QT1-2025

Tgt Ion:107 Resp: 2644

Ion Ratio Lower Upper

107 100

109 93.9 75.4 113.2



#62

4-Bromofluorobenzene

Concen: 40.705 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.000 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

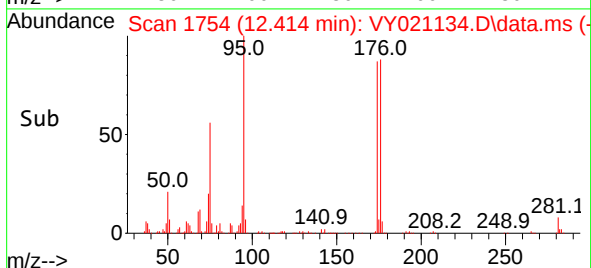
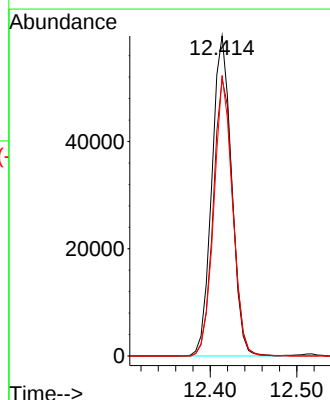
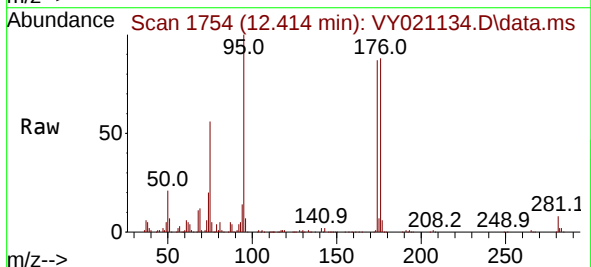
Tgt Ion: 95 Resp: 94277

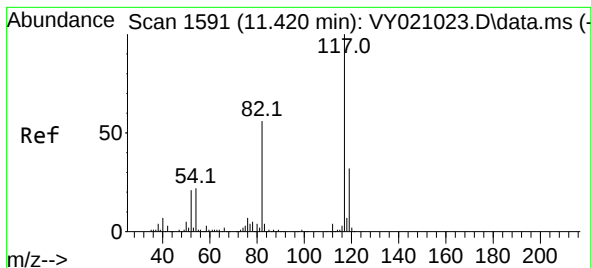
Ion Ratio Lower Upper

95 100

174 86.1 0.0 160.0

176 82.9 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

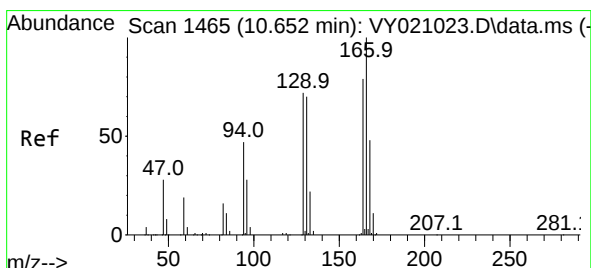
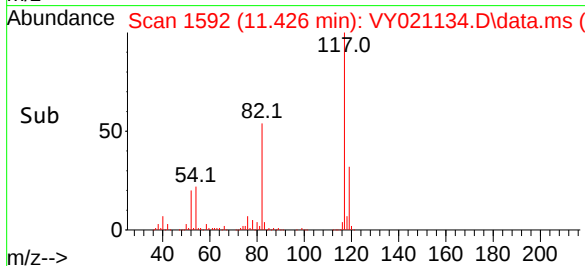
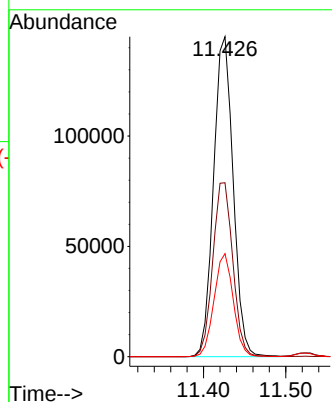
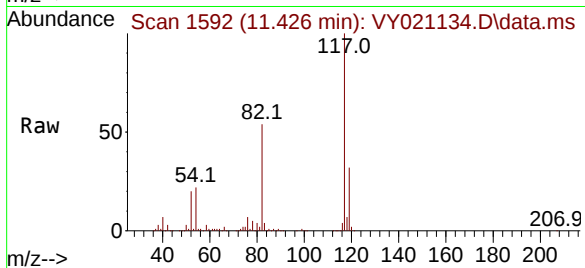
Tgt Ion:117 Resp: 240593

Ion Ratio Lower Upper

117 100

82 54.4 43.8 65.8

119 32.2 26.5 39.7



#64

Tetrachloroethene

Concen: 2.629 ug/l

RT: 10.652 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Tgt Ion:164 Resp: 4696

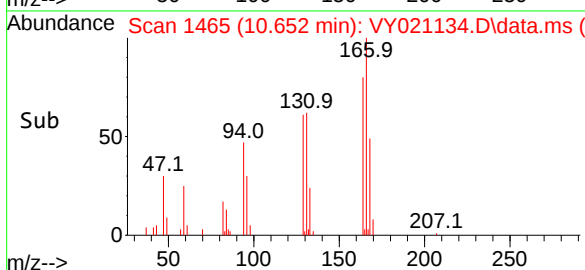
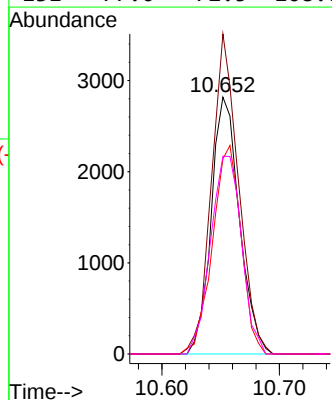
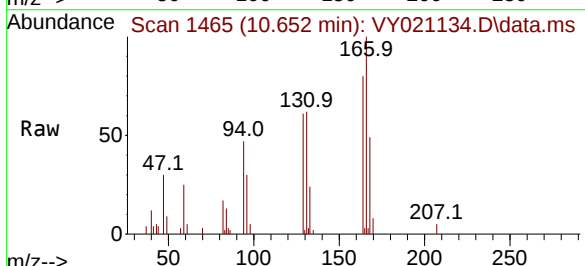
Ion Ratio Lower Upper

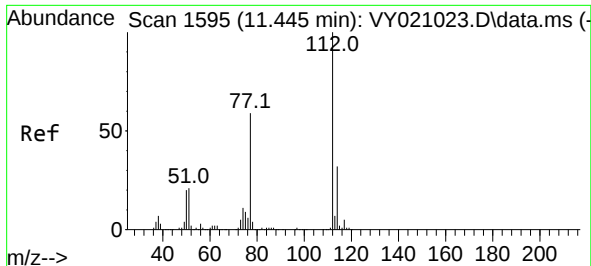
164 100

166 124.6 98.8 148.2

129 76.0 78.9 118.3#

131 77.0 72.5 108.7

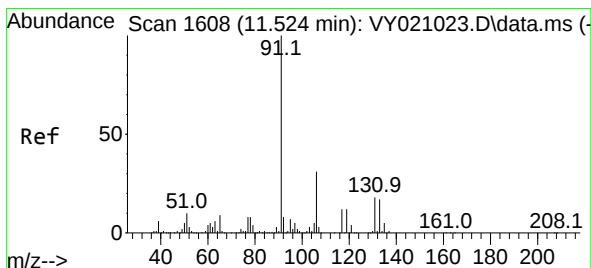
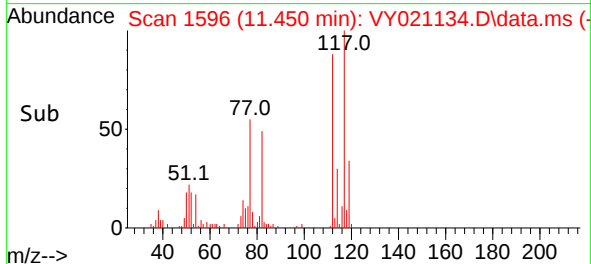
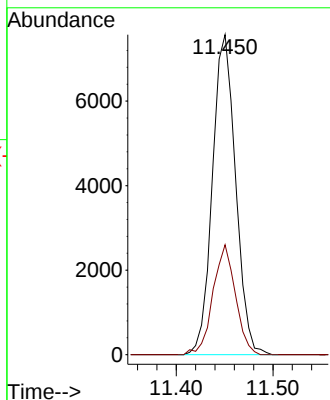
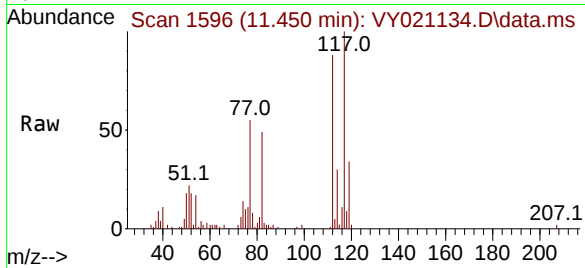




#65
Chlorobenzene
Concen: 2.352 ug/l
RT: 11.450 min Scan# 1159
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

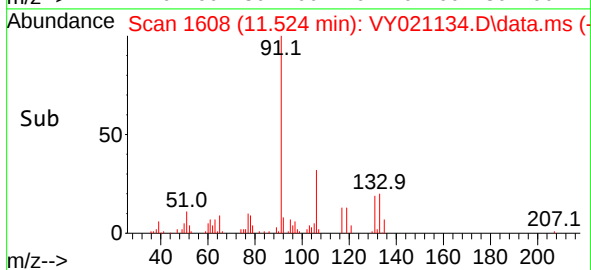
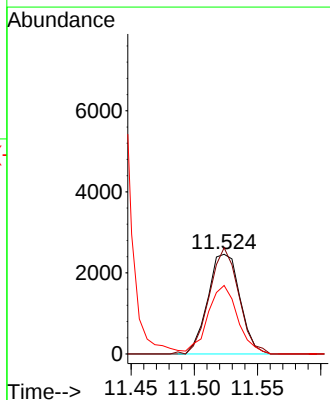
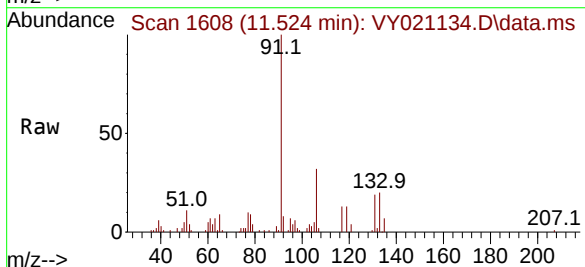
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

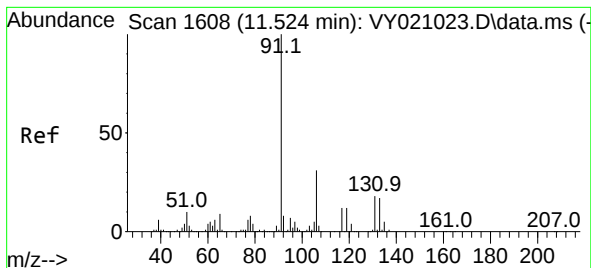
Tgt Ion:112 Resp: 12598
Ion Ratio Lower Upper
112 100
114 34.4 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 2.278 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion:131 Resp: 4337
Ion Ratio Lower Upper
131 100
133 97.7 47.0 141.0
119 63.8 33.3 99.9





#67

Ethyl Benzene

Concen: 2.200 ug/l

RT: 11.524 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

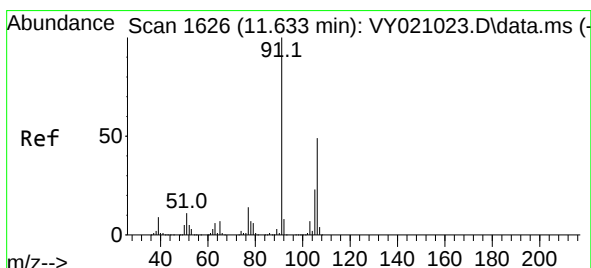
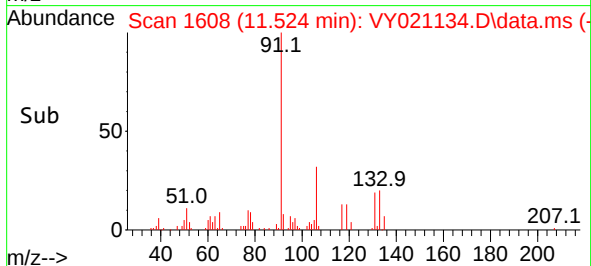
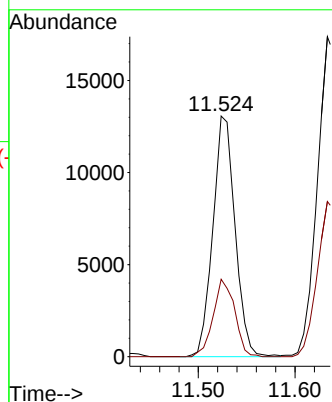
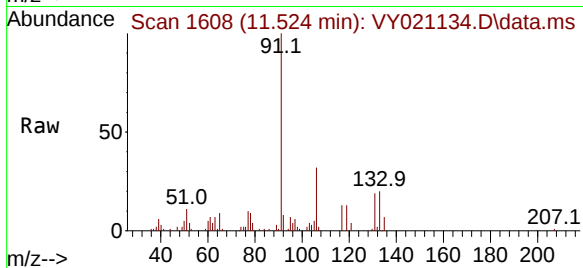
MDL-SOIL-03-QT1-2025

Tgt Ion: 91 Resp: 20849

Ion Ratio Lower Upper

91 100

106 32.2 25.0 37.4



#68

m/p-Xylenes

Concen: 4.326 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. -0.000 min

Lab File: VY021134.D

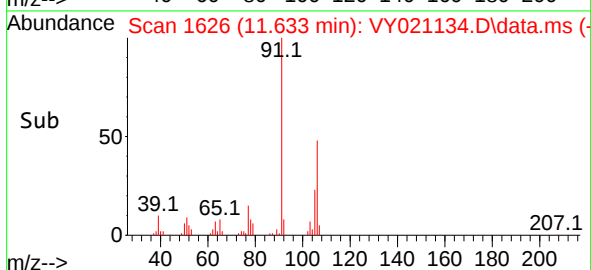
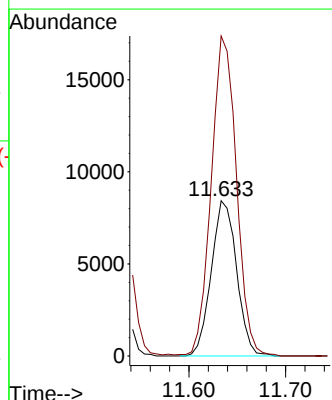
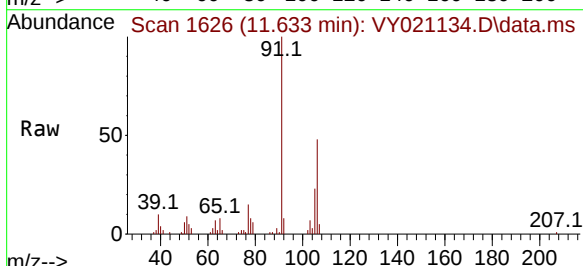
Acq: 07 Feb 2025 12:44

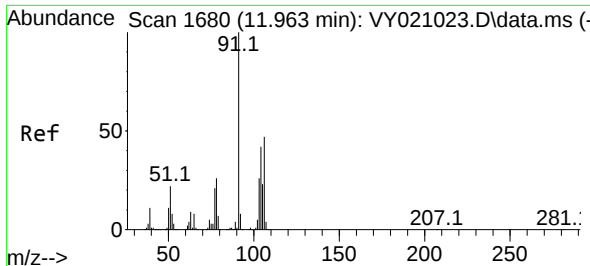
Tgt Ion:106 Resp: 15336

Ion Ratio Lower Upper

106 100

91 205.3 160.7 241.1

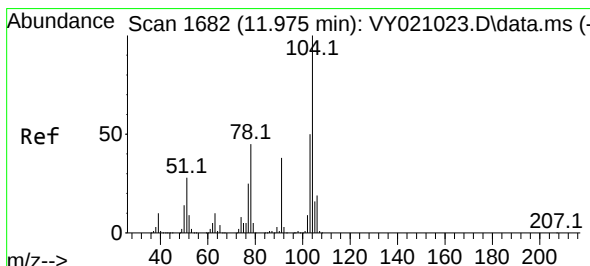
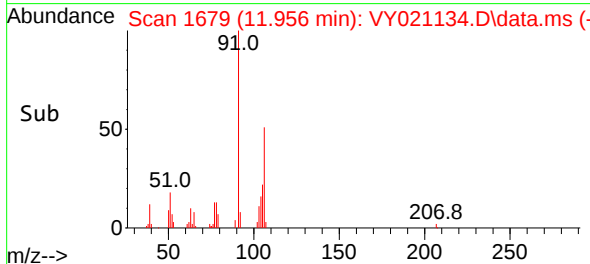
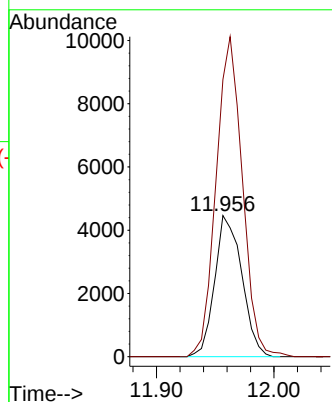
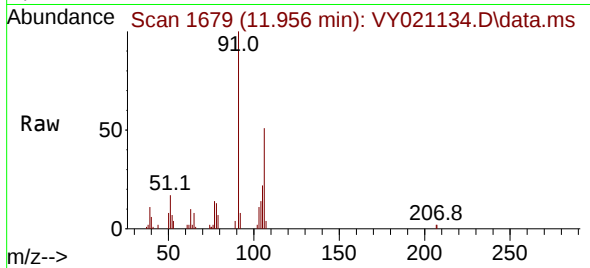




#69
o-Xylene
Concen: 2.165 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

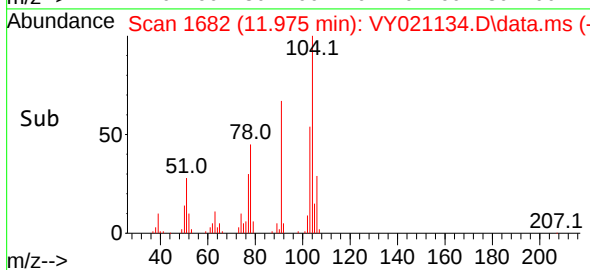
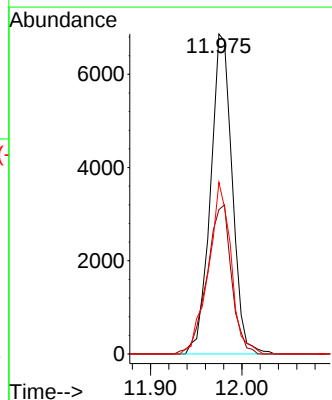
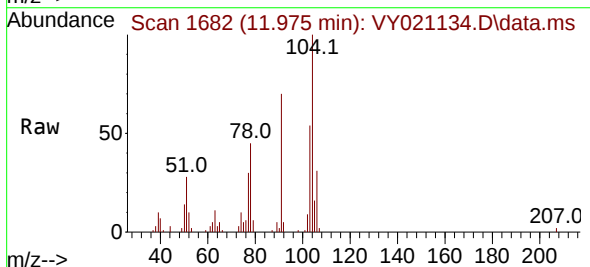
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

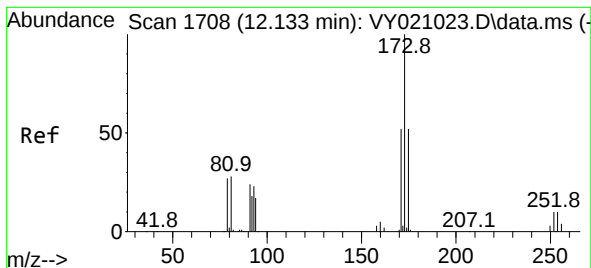
Tgt Ion:106 Resp: 7156
Ion Ratio Lower Upper
106 100
91 220.0 106.5 319.5



#70
Styrene
Concen: 2.056 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion:104 Resp: 11326
Ion Ratio Lower Upper
104 100
78 52.5 39.2 58.8
103 55.8 43.8 65.6





#71

Bromoform

Concen: 2.205 ug/l

RT: 12.139 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

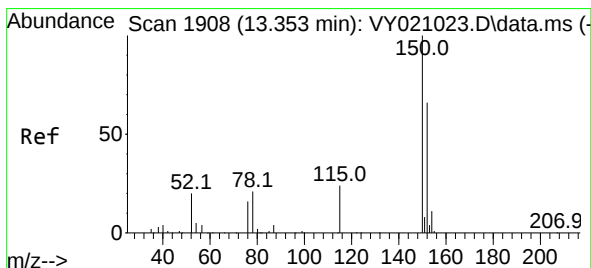
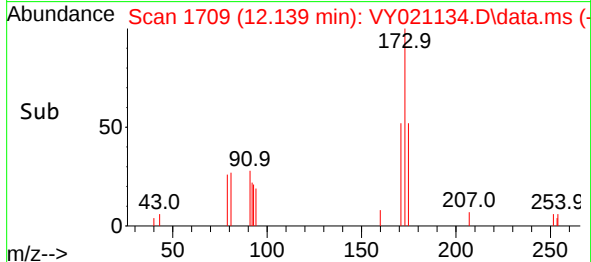
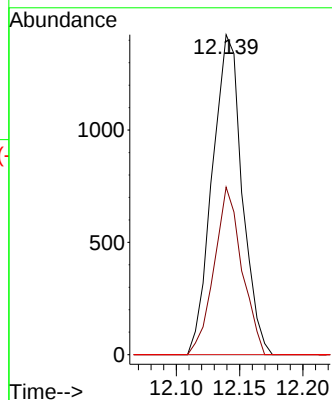
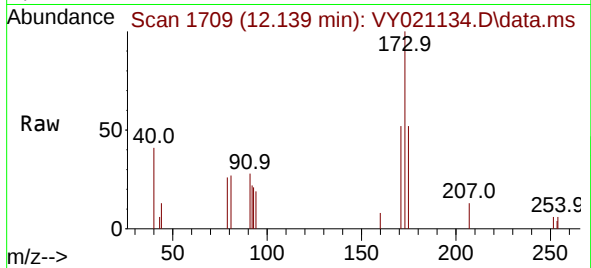
Tgt Ion:173 Resp: 2337

Ion Ratio Lower Upper

173 100

175 48.6 23.5 70.6

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

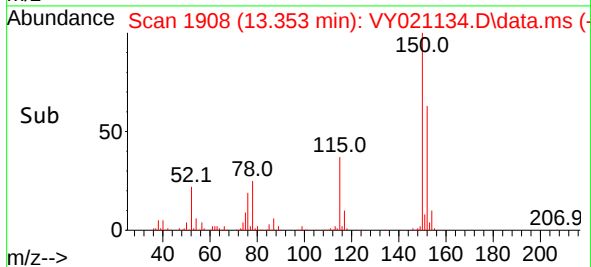
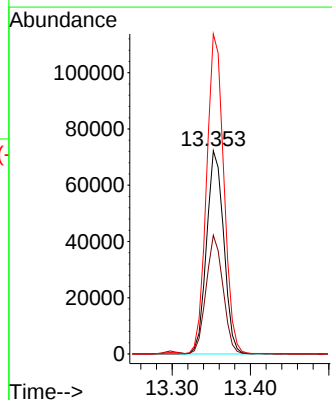
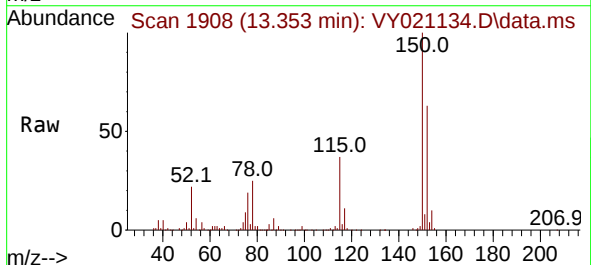
Tgt Ion:152 Resp: 109680

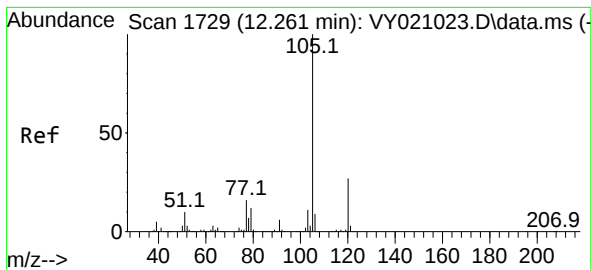
Ion Ratio Lower Upper

152 100

115 57.6 30.0 90.0

150 158.0 0.0 344.6





#73

Isopropylbenzene

Concen: 2.221 ug/l

RT: 12.261 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

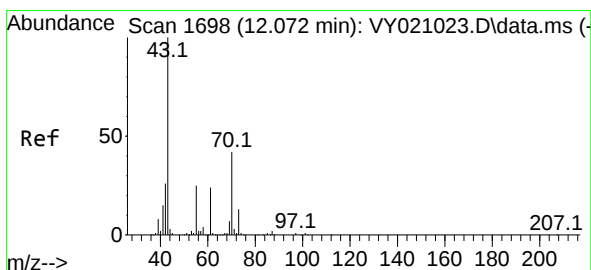
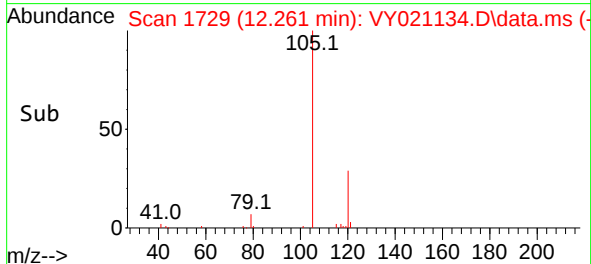
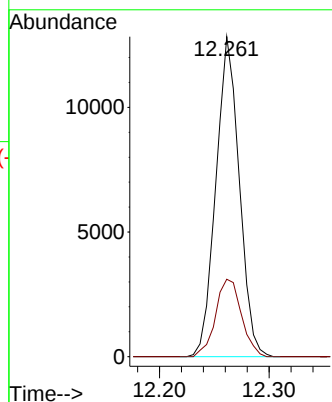
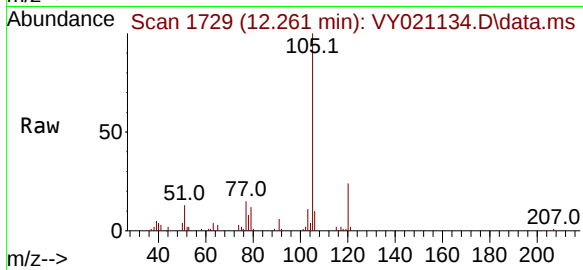
MDL-SOIL-03-QT1-2025

Tgt Ion:105 Resp: 19032

Ion Ratio Lower Upper

105 100

120 26.8 13.0 39.0



#74

N-ethyl acetate

Concen: 1.921 ug/l

RT: 12.078 min Scan# 1699

Delta R.T. 0.006 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Tgt Ion: 43 Resp: 3599

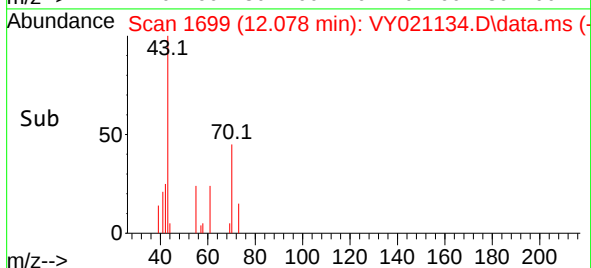
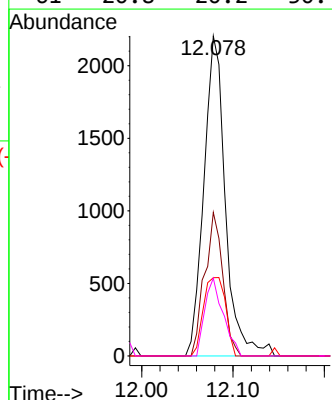
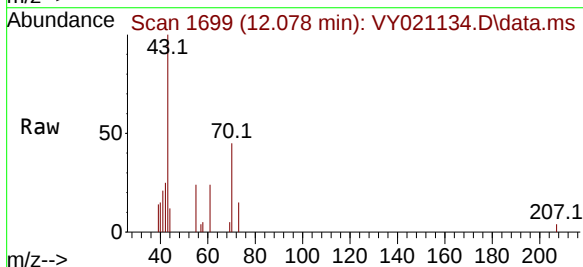
Ion Ratio Lower Upper

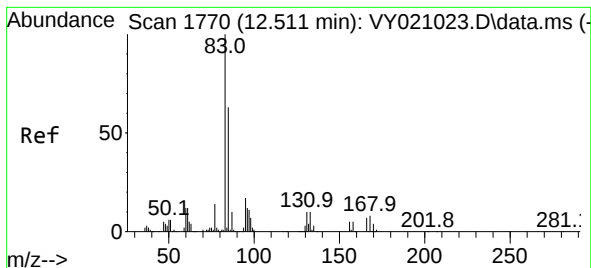
43 100

70 38.0 36.6 55.0

55 25.1 22.2 33.4

61 20.8 20.2 30.4





#75

1,1,2,2-Tetrachloroethane

Concen: 2.251 ug/l

RT: 12.511 min Scan# 1770

Delta R.T. -0.000 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

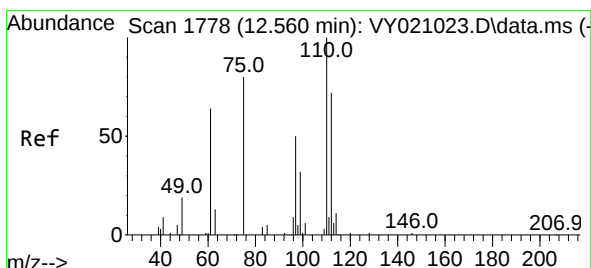
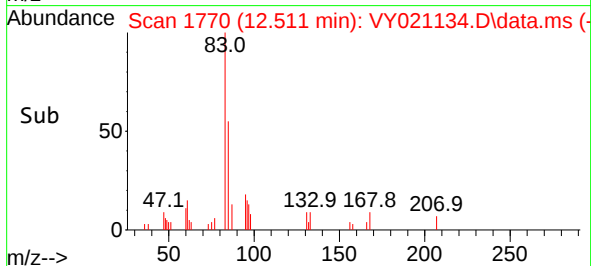
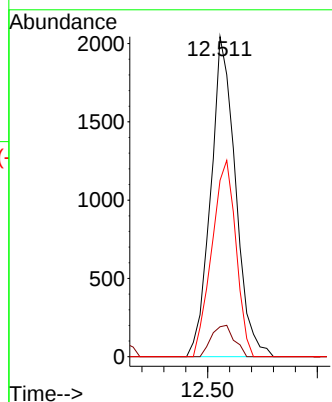
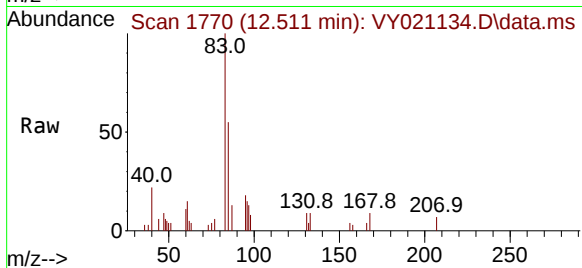
Tgt Ion: 83 Resp: 3207

Ion Ratio Lower Upper

83 100

131 9.0 4.9 14.6

85 59.7 32.6 98.0



#76

1,2,3-Trichloropropane

Concen: 4.219 ug/l

RT: 12.560 min Scan# 1778

Delta R.T. -0.000 min

Lab File: VY021134.D

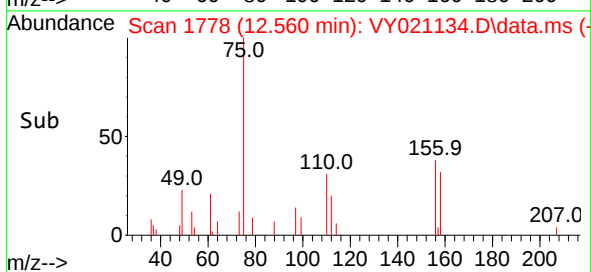
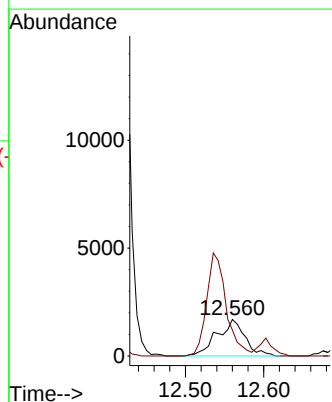
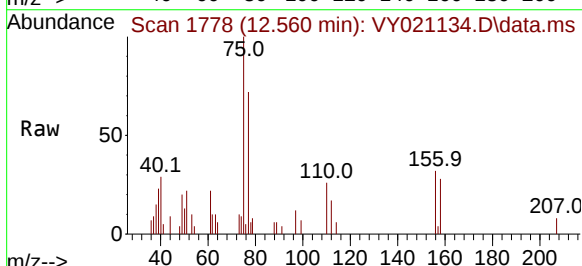
Acq: 07 Feb 2025 12:44

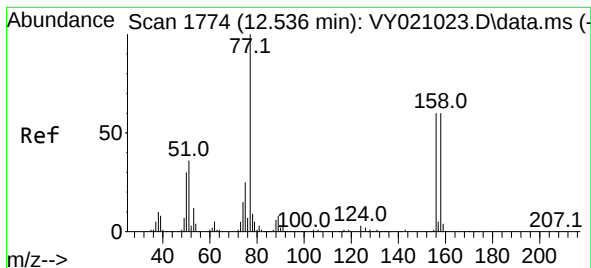
Tgt Ion: 75 Resp: 4198

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 2.236 ug/l

RT: 12.542 min Scan# 1775

Delta R.T. 0.006 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

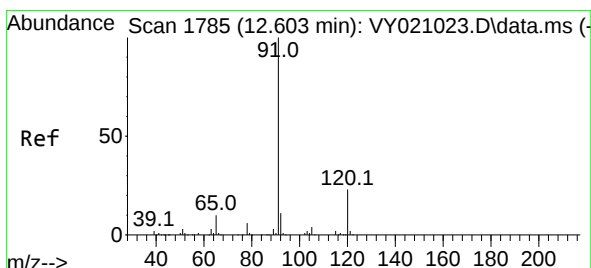
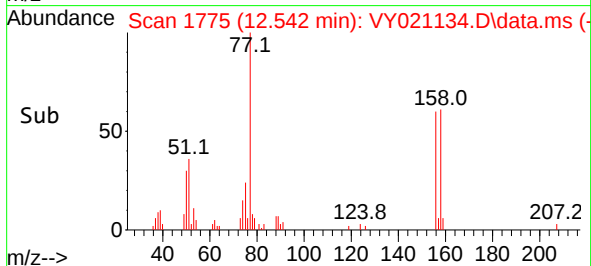
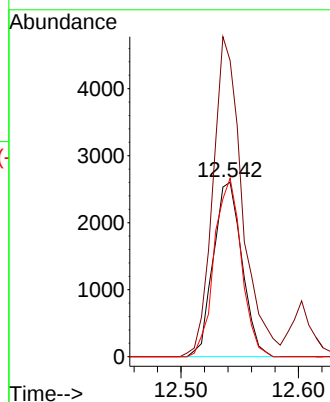
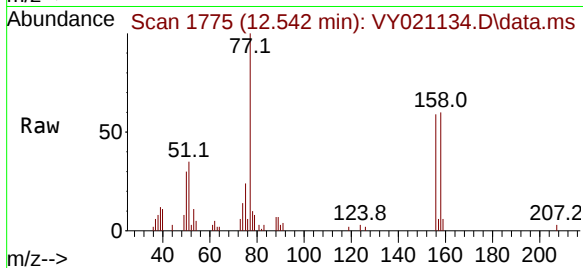
Tgt Ion:156 Resp: 4421

Ion Ratio Lower Upper

156 100

77 187.6 97.3 291.8

158 96.5 48.4 145.0



#78

n-propylbenzene

Concen: 2.387 ug/l

RT: 12.603 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VY021134.D

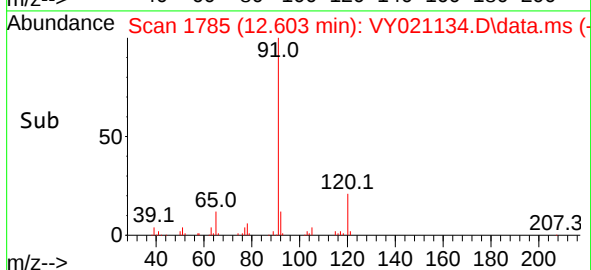
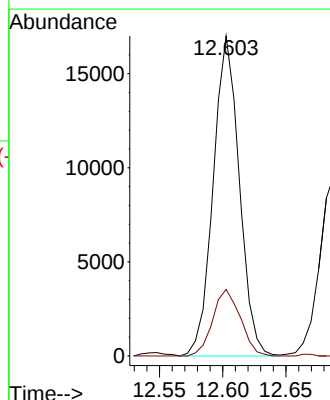
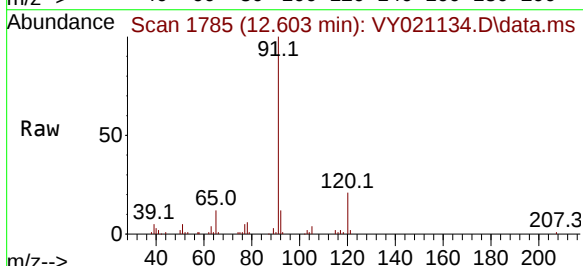
Acq: 07 Feb 2025 12:44

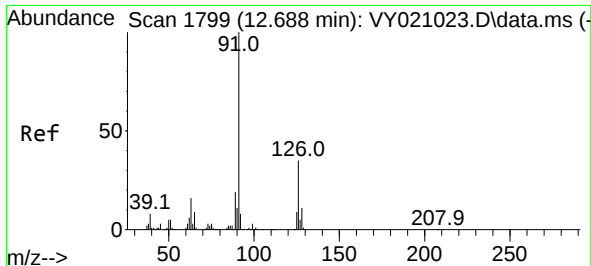
Tgt Ion: 91 Resp: 24362

Ion Ratio Lower Upper

91 100

120 22.0 11.0 33.0





#79

2-Chlorotoluene

Concen: 2.412 ug/l

RT: 12.688 min Scan# 1799

Delta R.T. -0.000 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

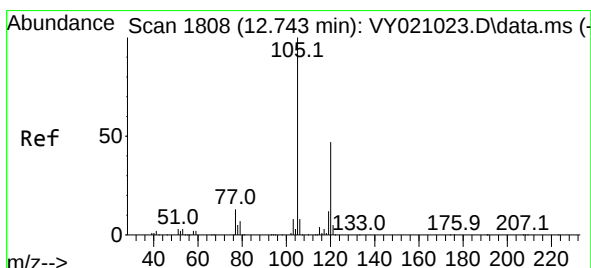
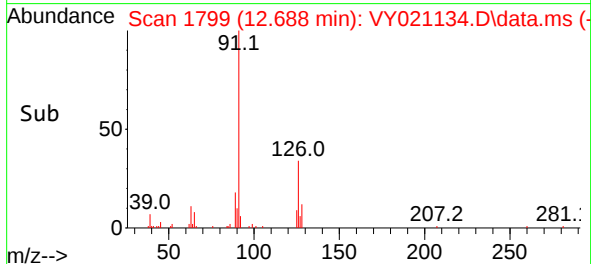
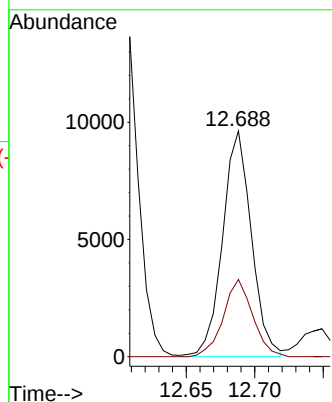
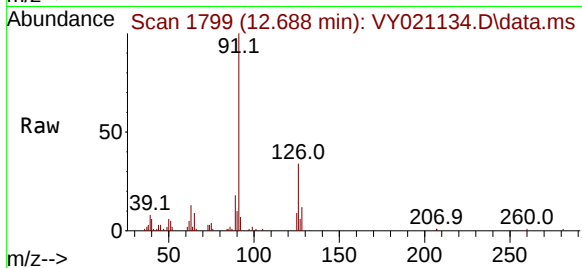
MDL-SOIL-03-QT1-2025

Tgt Ion: 91 Resp: 14101

Ion Ratio Lower Upper

91 100

126 34.8 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 2.245 ug/l

RT: 12.743 min Scan# 1808

Delta R.T. -0.000 min

Lab File: VY021134.D

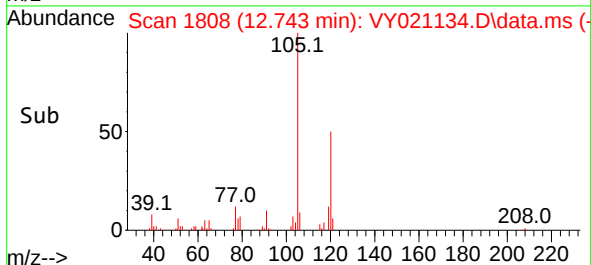
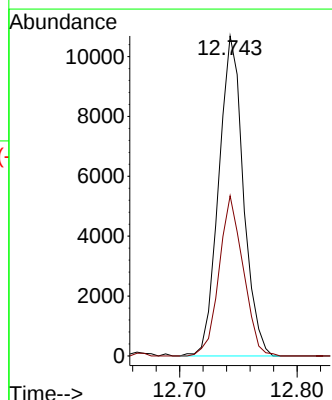
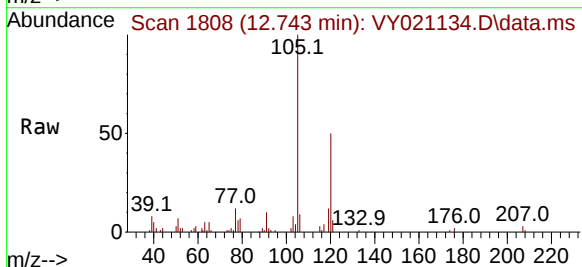
Acq: 07 Feb 2025 12:44

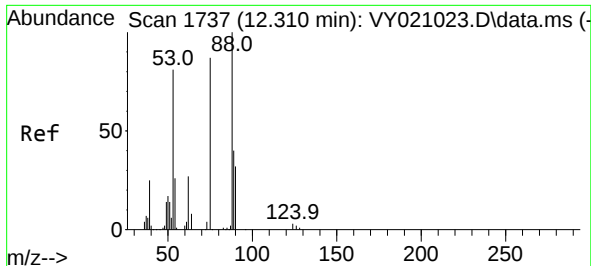
Tgt Ion: 105 Resp: 15595

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.8

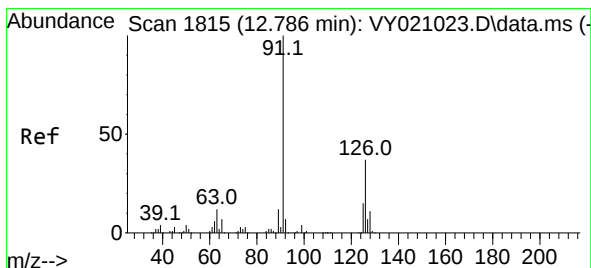
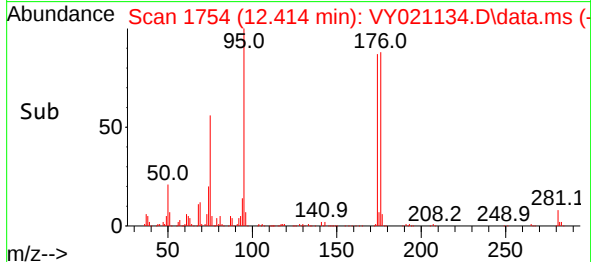
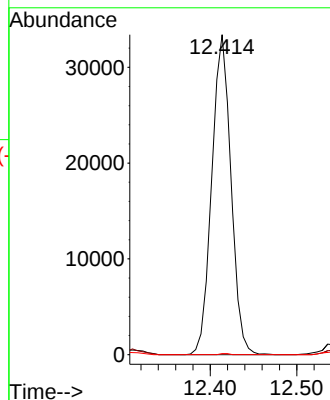
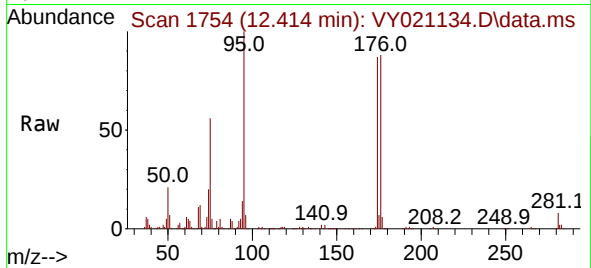




#81
trans-1,4-Dichloro-2-butene
Concen: 105.497 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.104 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

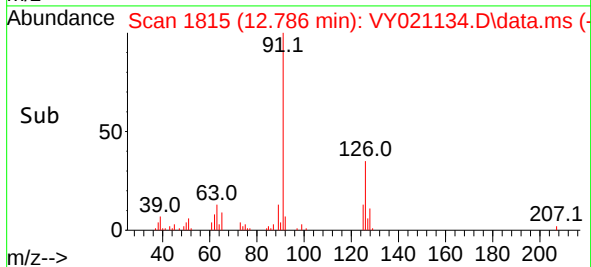
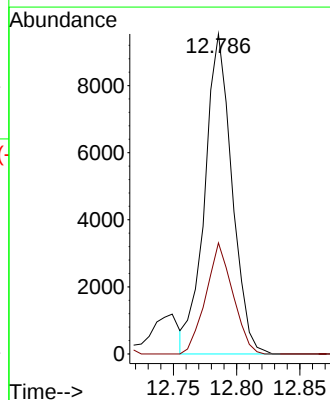
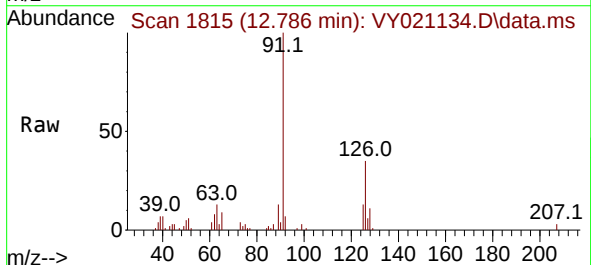
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

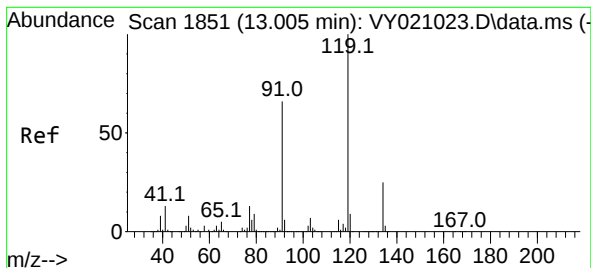
Tgt Ion: 75 Resp: 51440
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.2 36.5 54.7#



#82
4-Chlorotoluene
Concen: 2.396 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion: 91 Resp: 14271
Ion Ratio Lower Upper
91 100
126 34.4 17.1 51.2





#83

tert-Butylbenzene

Concen: 2.258 ug/l

RT: 13.005 min Scan# 1851

Delta R.T. -0.000 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

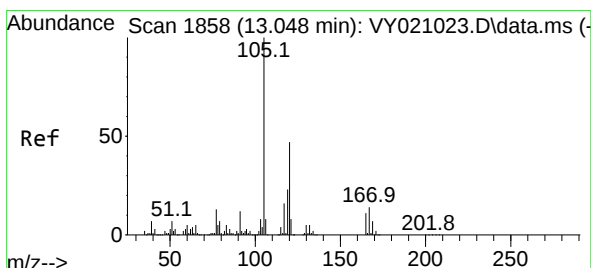
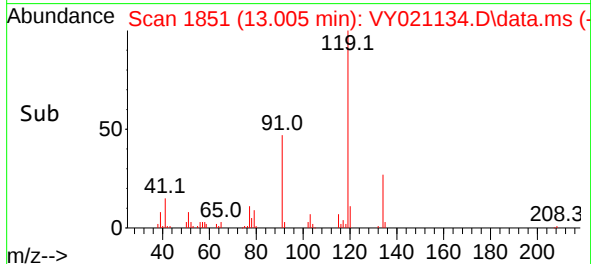
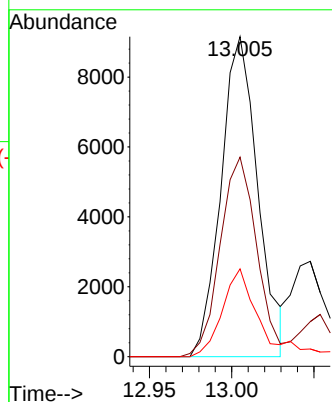
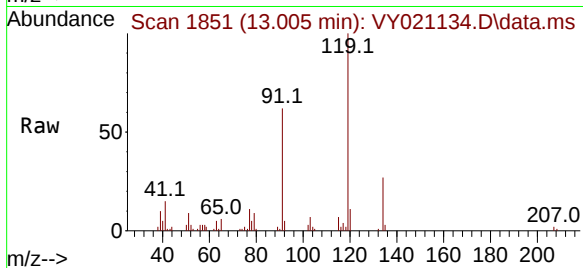
Tgt Ion:119 Resp: 14256

Ion Ratio Lower Upper

119 100

91 61.7 31.5 94.5

134 27.7 13.1 39.3



#84

1,2,4-Trimethylbenzene

Concen: 2.096 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. -0.000 min

Lab File: VY021134.D

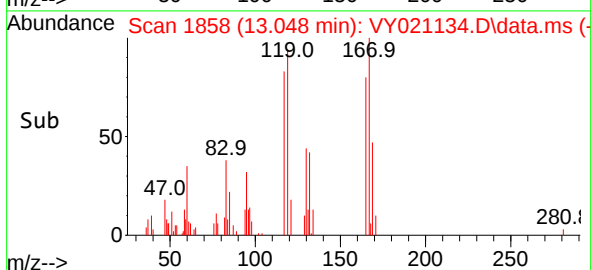
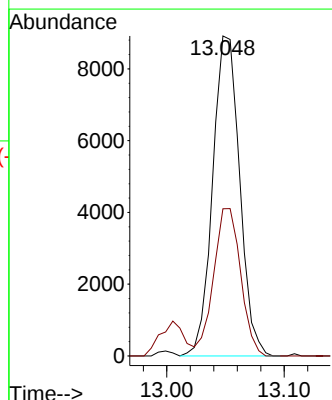
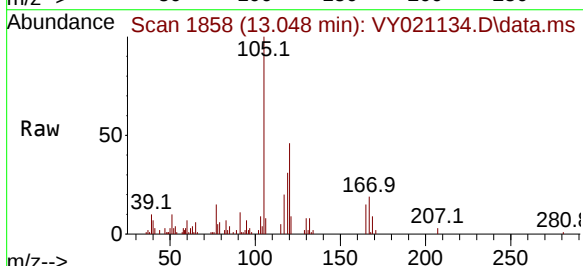
Acq: 07 Feb 2025 12:44

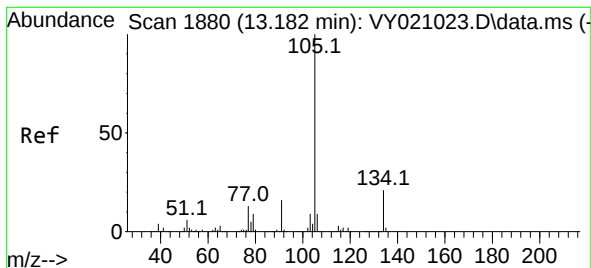
Tgt Ion:105 Resp: 14235

Ion Ratio Lower Upper

105 100

120 46.1 22.1 66.3





#85

sec-Butylbenzene

Concen: 2.231 ug/l

RT: 13.182 min Scan# 1880

Delta R.T. -0.000 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

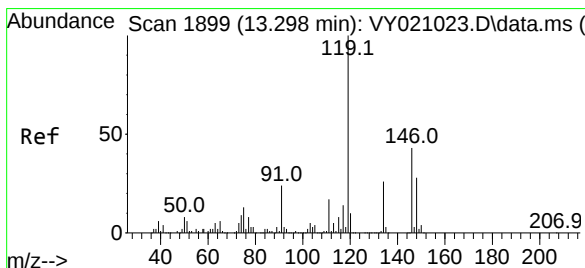
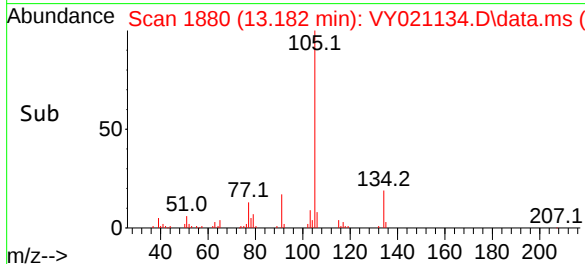
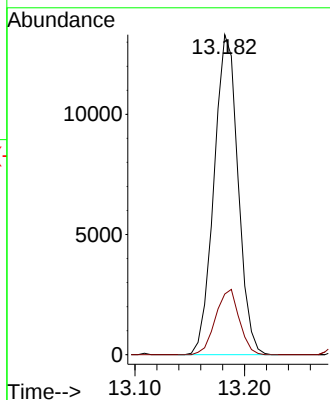
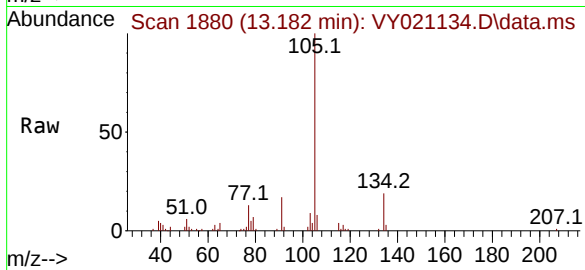
MDL-SOIL-03-QT1-2025

Tgt Ion:105 Resp: 20277

Ion Ratio Lower Upper

105 100

134 20.1 9.7 28.9



#86

p-Isopropyltoluene

Concen: 2.039 ug/l

RT: 13.298 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

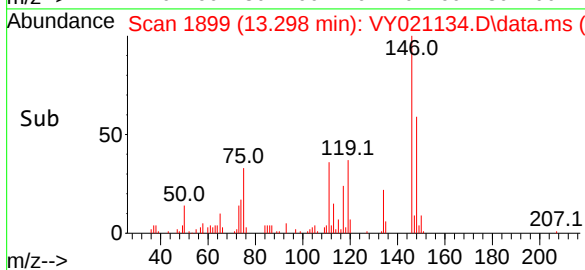
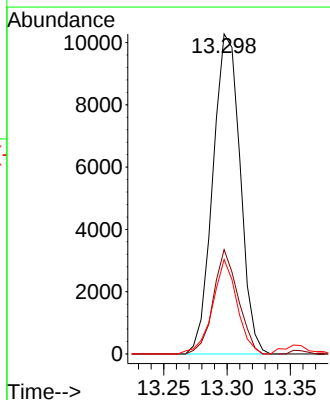
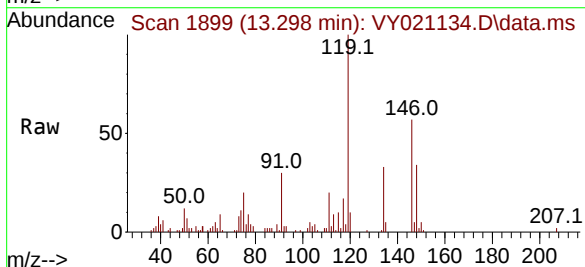
Tgt Ion:119 Resp: 15394

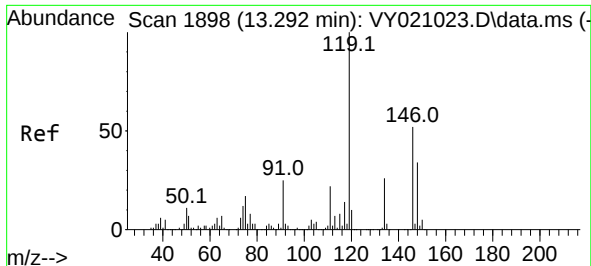
Ion Ratio Lower Upper

119 100

134 29.5 13.1 39.1

91 26.5 11.7 35.0





#87

1,3-Dichlorobenzene

Concen: 2.459 ug/l

RT: 13.298 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

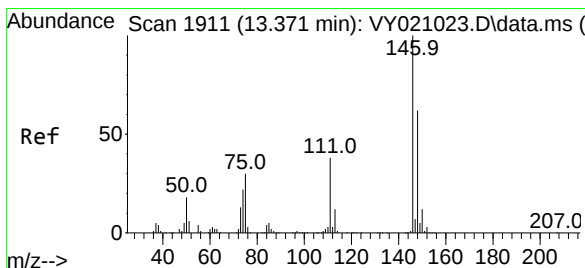
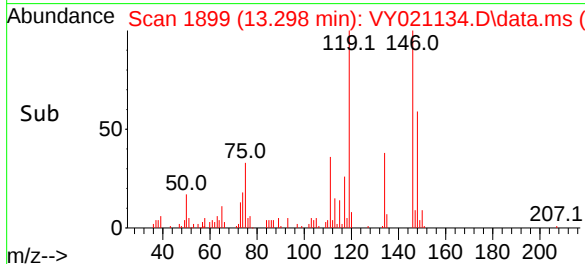
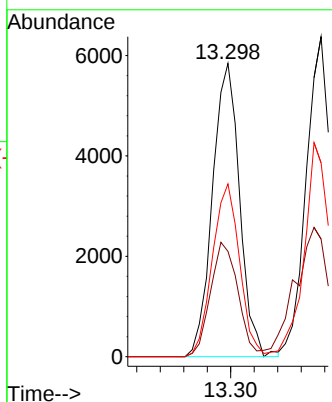
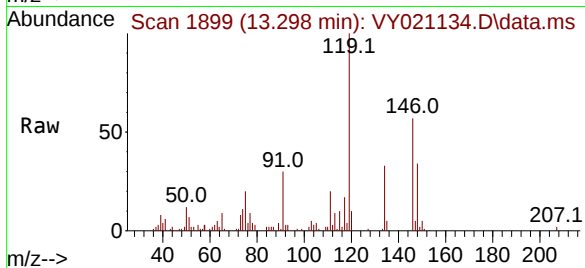
Tgt Ion:146 Resp: 9388

Ion Ratio Lower Upper

146 100

111 39.3 20.2 60.5

148 59.0 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 2.546 ug/l

RT: 13.377 min Scan# 1912

Delta R.T. 0.006 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

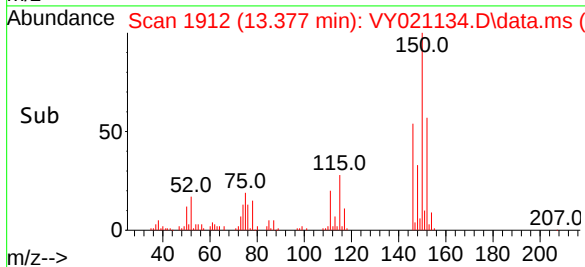
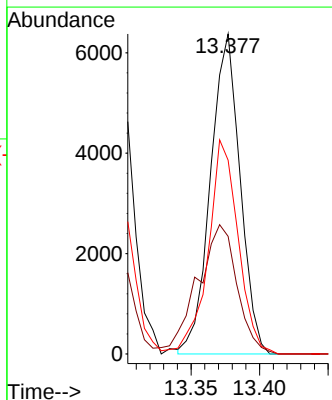
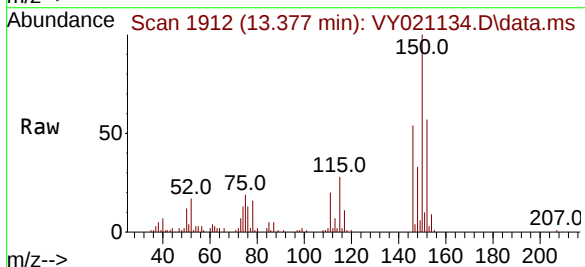
Tgt Ion:146 Resp: 9571

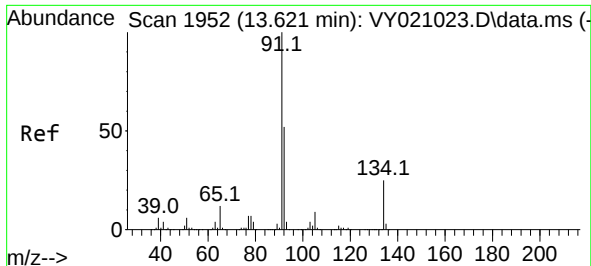
Ion Ratio Lower Upper

146 100

111 54.2 19.3 57.9

148 68.0 31.6 94.7

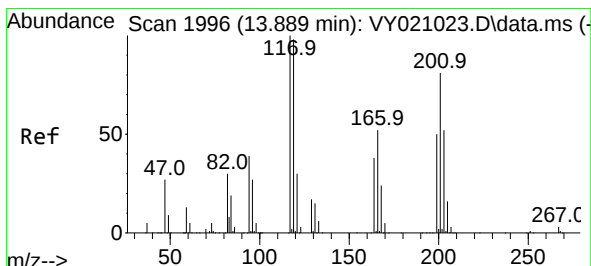
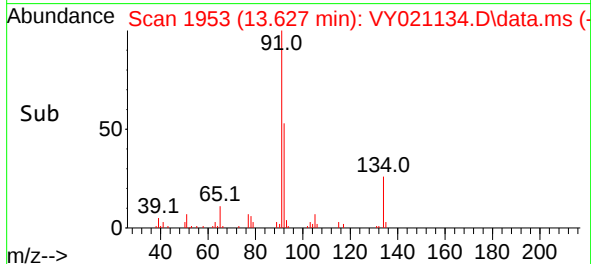
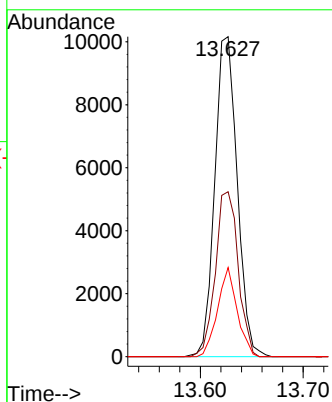
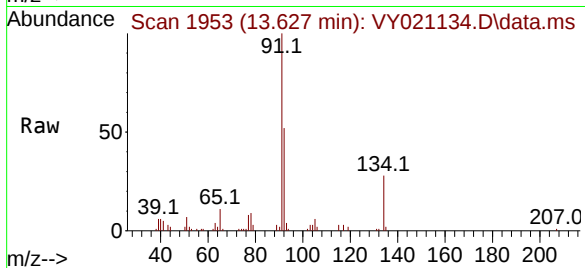




#89
n-Butylbenzene
Concen: 2.231 ug/l
RT: 13.627 min Scan# 1953
Delta R.T. 0.006 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

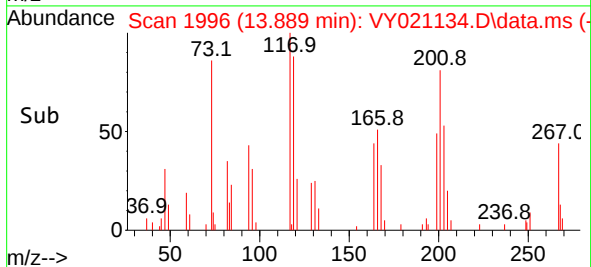
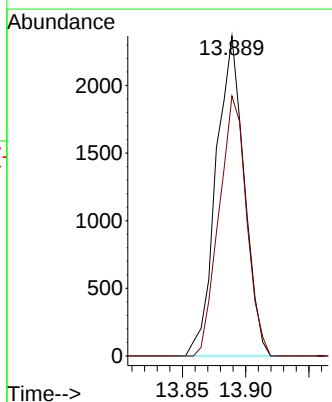
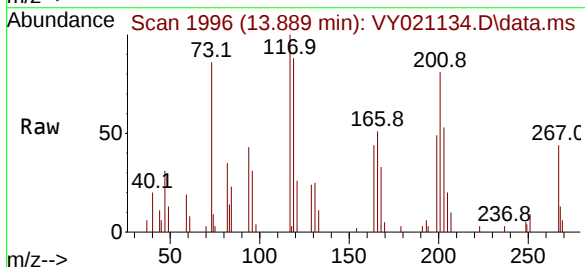
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

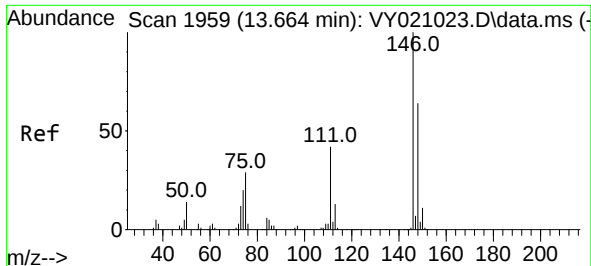
Tgt Ion: 91 Resp: 15364
Ion Ratio Lower Upper
91 100
92 52.4 26.4 79.2
134 24.4 12.3 36.8



#90
Hexachloroethane
Concen: 2.317 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY021134.D
Acq: 07 Feb 2025 12:44

Tgt Ion: 117 Resp: 3649
Ion Ratio Lower Upper
117 100
201 79.6 33.4 100.1





#91

1,2-Dichlorobenzene

Concen: 2.321 ug/l

RT: 13.670 min Scan# 1959

Delta R.T. 0.006 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

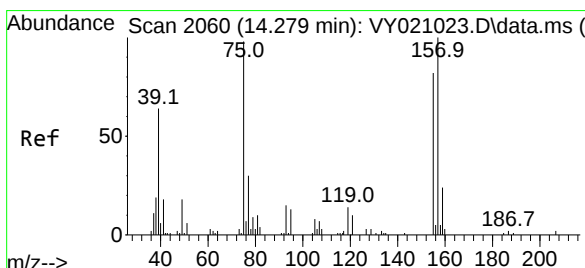
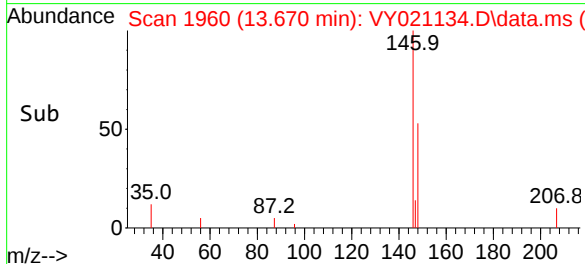
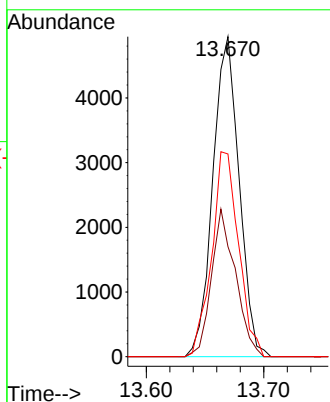
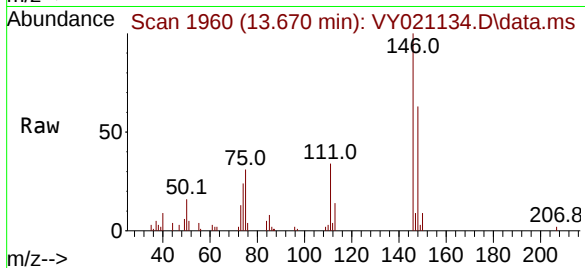
Tgt Ion:146 Resp: 7692

Ion Ratio Lower Upper

146 100

111 42.2 20.5 61.6

148 65.5 31.4 94.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.977 ug/l

RT: 14.279 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

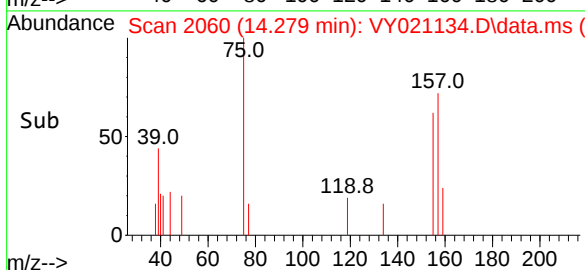
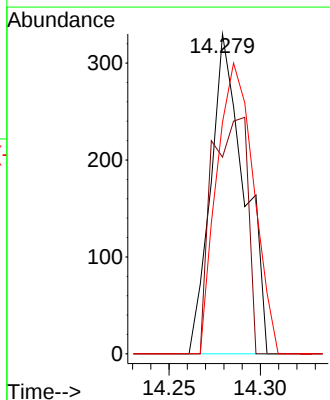
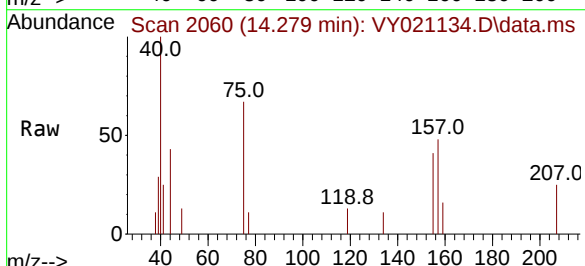
Tgt Ion: 75 Resp: 421

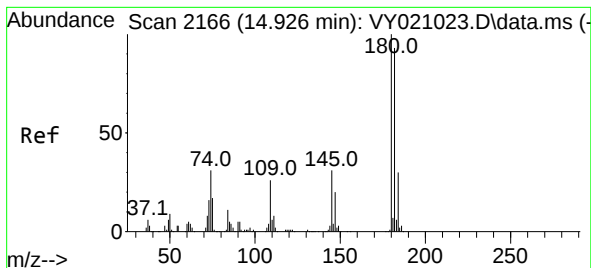
Ion Ratio Lower Upper

75 100

155 78.9 42.1 126.3

157 100.0 55.8 167.4





#93

1,2,4-Trichlorobenzene

Concen: 2.070 ug/l

RT: 14.932 min Scan# 2167

Delta R.T. 0.006 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

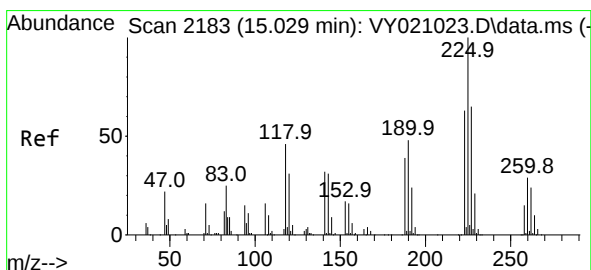
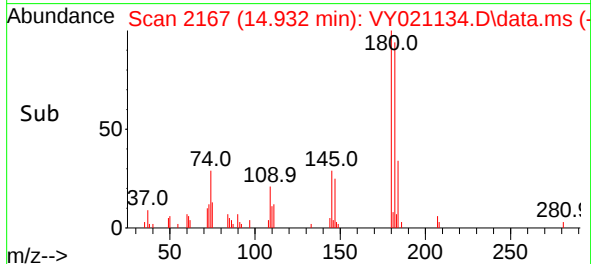
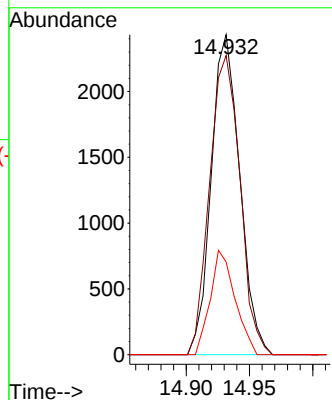
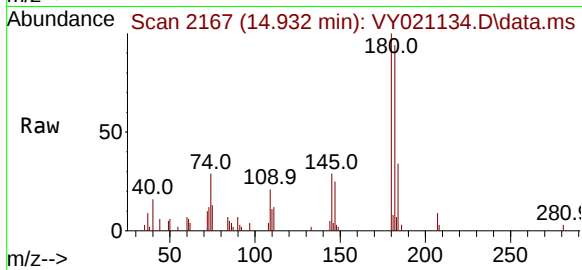
Tgt Ion:180 Resp: 3817

Ion Ratio Lower Upper

180 100

182 99.3 47.9 143.7

145 28.3 15.9 47.7



#94

Hexachlorobutadiene

Concen: 2.233 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. -0.000 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

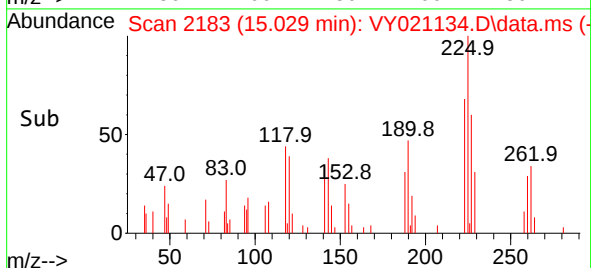
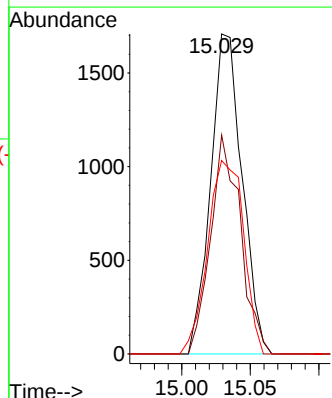
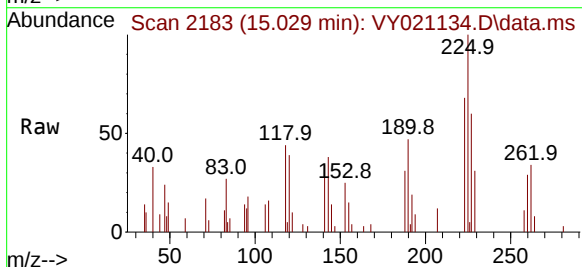
Tgt Ion:225 Resp: 2729

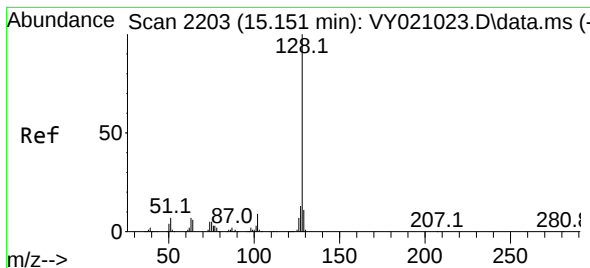
Ion Ratio Lower Upper

225 100

223 64.9 31.4 94.3

227 68.9 32.3 96.8





#95

Naphthalene

Concen: 2.064 ug/l

RT: 15.157 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

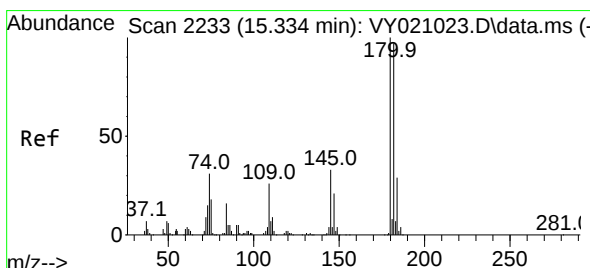
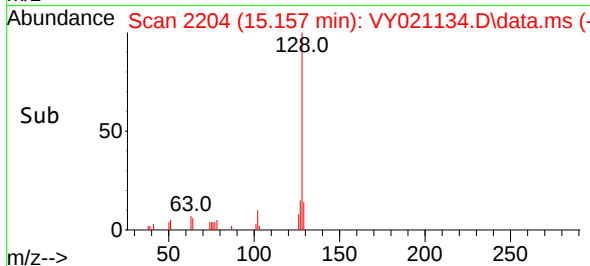
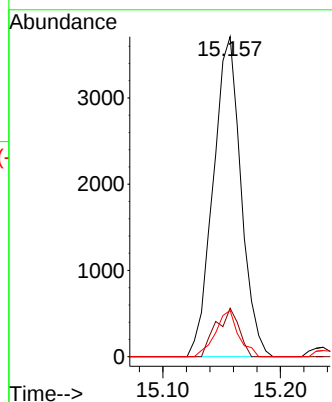
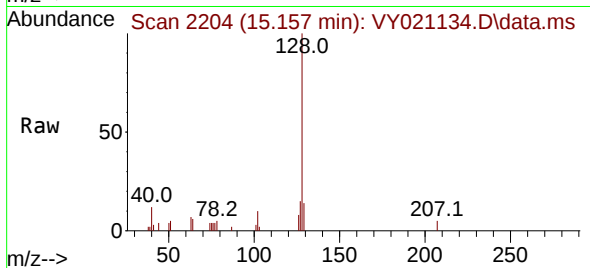
Tgt Ion:128 Resp: 6091

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

129 12.1 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 2.071 ug/l

RT: 15.346 min Scan# 2235

Delta R.T. 0.012 min

Lab File: VY021134.D

Acq: 07 Feb 2025 12:44

Tgt Ion:180 Resp: 3178

Ion Ratio Lower Upper

180 100

182 99.8 46.3 138.8

145 37.2 16.1 48.2

