

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020725\
 Data File : VY021136.D
 Acq On : 07 Feb 2025 13:30
 Operator : SY/MD
 Sample : Q1168-03 4PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Feb 08 02:40:34 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	7.713	168	175549	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	275701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	233055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	109875	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	81400	45.256	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.520%
35) Dibromofluoromethane	7.640	113	78830	44.615	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.240%
50) Toluene-d8	10.109	98	299175	44.476	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.960%
62) 4-Bromofluorobenzene	12.408	95	94551	43.026	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.060%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	5751	3.676	ug/l	95
3) Chloromethane	2.074	50	6196	4.013	ug/l	99
4) Vinyl Chloride	2.208	62	5818	3.744	ug/l	99
5) Bromomethane	2.598	94	4111	4.280	ug/l	98
6) Chloroethane	2.739	64	3723	4.025	ug/l	98
7) Trichlorofluoromethane	3.062	101	10845	3.831	ug/l	96
8) Diethyl Ether	3.458	74	3412	3.860	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	6988	3.933	ug/l	98
10) Methyl Iodide	4.013	142	6608	3.347	ug/l	93
11) Tert butyl alcohol	4.860	59	3449	28.297	ug/l #	82
12) 1,1-Dichloroethene	3.793	96	6362	3.801	ug/l #	81
13) Acrolein	3.647	56	3274	17.444	ug/l	98
14) Allyl chloride	4.391	41	10252	3.634	ug/l	95
15) Acrylonitrile	5.068	53	6509	17.686	ug/l	96
16) Acetone	3.867	43	5397	19.241	ug/l #	80
17) Carbon Disulfide	4.110	76	19369	3.690	ug/l	98
18) Methyl Acetate	4.397	43	3750	3.808	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	14845	3.509	ug/l	93
20) Methylene Chloride	4.622	84	7054	4.045	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	6452	3.502	ug/l #	93
22) Diisopropyl ether	6.025	45	20209	3.476	ug/l	94
23) Vinyl Acetate	5.964	43	51862	16.000	ug/l	100
24) 1,1-Dichloroethane	5.921	63	12779	3.751	ug/l	97
25) 2-Butanone	6.896	43	8120	17.617	ug/l	95
26) 2,2-Dichloropropane	6.890	77	12106	3.840	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	7508	3.540	ug/l	89
28) Bromochloromethane	7.244	49	6375	4.732	ug/l	99
29) Tetrahydrofuran	7.268	42	5342	17.128	ug/l	93
30) Chloroform	7.427	83	13497	3.857	ug/l	97
31) Cyclohexane	7.707	56	14314	4.666	ug/l #	73
32) 1,1,1-Trichloroethane	7.622	97	12372	3.803	ug/l	97
36) 1,1-Dichloropropene	7.835	75	9410	3.596	ug/l	99
37) Ethyl Acetate	6.988	43	4405	3.837	ug/l #	93
38) Carbon Tetrachloride	7.817	117	11716	3.831	ug/l	90
39) Methylcyclohexane	9.109	83	11579	3.617	ug/l	94
40) Benzene	8.085	78	28054	3.653	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020725\
 Data File : VY021136.D
 Acq On : 07 Feb 2025 13:30
 Operator : SY/MD
 Sample : Q1168-03 4PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Feb 08 02:40:34 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)
41) Methacrylonitrile	7.226	41	1553	2.338	ug/l #	61
42) 1,2-Dichloroethane	8.165	62	7680	3.605	ug/l	98
43) Isopropyl Acetate	8.207	43	7704	3.377	ug/l #	87
44) Trichloroethene	8.866	130	7140	3.598	ug/l	98
45) 1,2-Dichloropropane	9.146	63	6439	3.532	ug/l	99
46) Dibromomethane	9.231	93	3432	3.400	ug/l	95
47) Bromodichloromethane	9.427	83	9391	3.469	ug/l	99
48) Methyl methacrylate	9.225	41	3114	2.997	ug/l	95
49) 1,4-Dioxane	9.238	88	576	61.304	ug/l #	84
51) 4-Methyl-2-Pentanone	10.000	43	18432	16.067	ug/l	93
52) Toluene	10.176	92	17564	3.642	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	7774	3.198	ug/l	90
54) cis-1,3-Dichloropropene	9.859	75	9936	3.453	ug/l #	87
55) 1,1,2-Trichloroethane	10.579	97	4962	3.797	ug/l	95
56) Ethyl methacrylate	10.439	69	5215	2.983	ug/l	87
57) 1,3-Dichloropropane	10.719	76	7947	3.513	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	15518	18.656	ug/l	100
59) 2-Hexanone	10.762	43	10636	14.400	ug/l	95
60) Dibromochloromethane	10.914	129	6290	3.427	ug/l	98
61) 1,2-Dibromoethane	11.018	107	4099	3.348	ug/l	95
64) Tetrachloroethene	10.646	164	6605	3.818	ug/l	93
65) Chlorobenzene	11.444	112	18356	3.537	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.518	131	6729	3.649	ug/l	99
67) Ethyl Benzene	11.524	91	31318	3.412	ug/l	100
68) m/p-Xylenes	11.633	106	23260	6.774	ug/l	96
69) o-Xylene	11.957	106	10746	3.357	ug/l	97
70) Styrene	11.969	104	16836	3.155	ug/l	97
71) Bromoform	12.133	173	3519	3.428	ug/l #	97
73) Isopropylbenzene	12.255	105	28300	3.297	ug/l	100
74) N-amyl acetate	12.072	43	5573	2.970	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.505	83	4685	3.282	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	6559	6.581	ug/l #	100
77) Bromobenzene	12.536	156	7022	3.545	ug/l	95
78) n-propylbenzene	12.597	91	35888	3.510	ug/l	99
79) 2-Chlorotoluene	12.682	91	20880	3.566	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	23120	3.322	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	1592	3.259	ug/l	98
82) 4-Chlorotoluene	12.780	91	21827	3.658	ug/l	97
83) tert-Butylbenzene	12.999	119	20478	3.238	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	22801	3.351	ug/l	97
85) sec-Butylbenzene	13.176	105	29479	3.238	ug/l	96
86) p-Isopropyltoluene	13.292	119	24578	3.250	ug/l	96
87) 1,3-Dichlorobenzene	13.292	146	13484	3.526	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	13400	3.559	ug/l	88
89) n-Butylbenzene	13.621	91	22636	3.281	ug/l	99
90) Hexachloroethane	13.883	117	5631	3.569	ug/l	92
91) 1,2-Dichlorobenzene	13.664	146	11519	3.470	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.273	75	724	3.394	ug/l	83
93) 1,2,4-Trichlorobenzene	14.926	180	5536	2.996	ug/l	97
94) Hexachlorobutadiene	15.029	225	4069	3.323	ug/l	95
95) Naphthalene	15.151	128	8099	2.740	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	4868	3.166	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020725\
Data File : VY021136.D
Acq On : 07 Feb 2025 13:30
Operator : SY/MD
Sample : Q1168-03 4PPB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

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

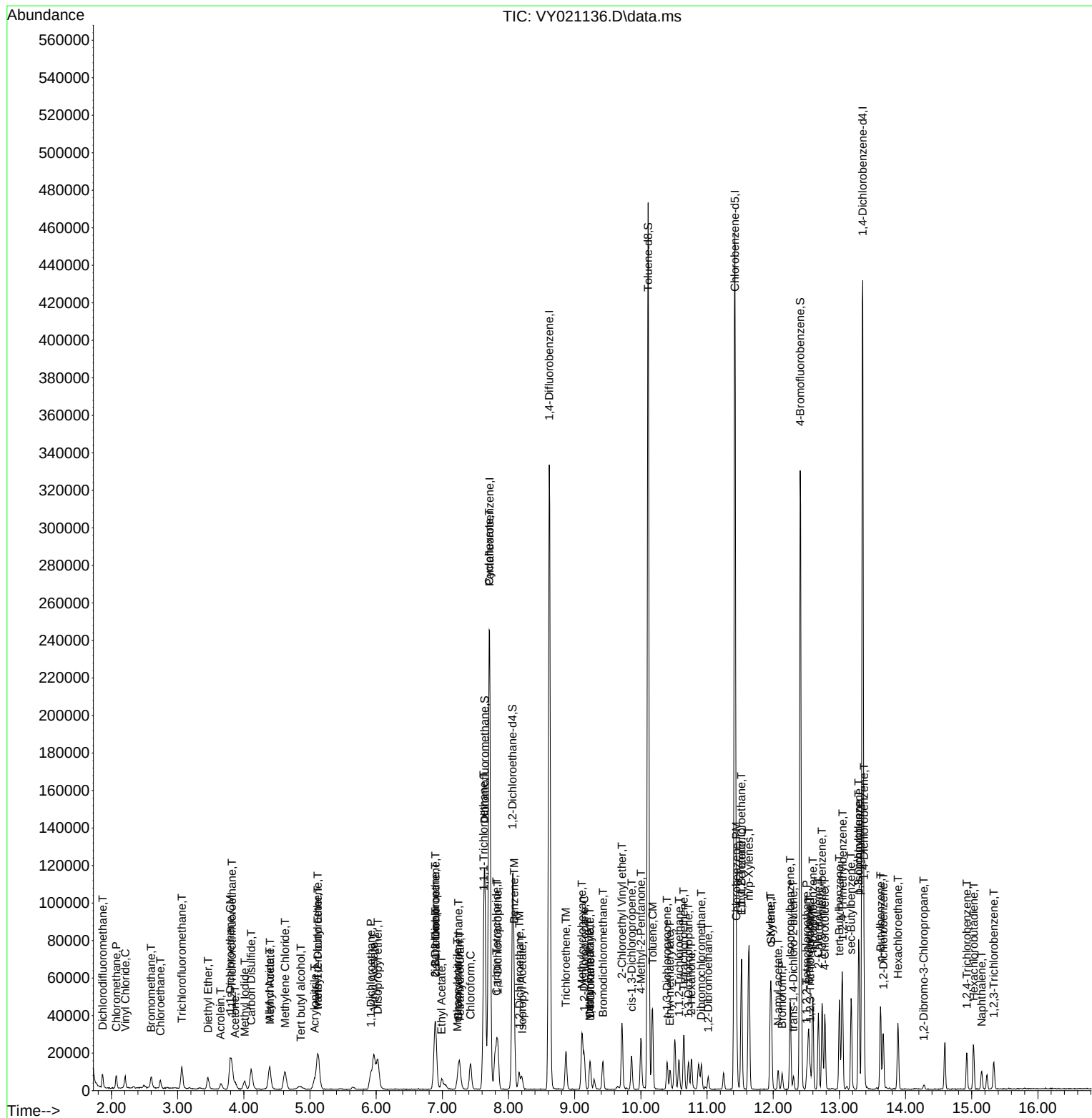
Quant Time: Feb 08 02:40:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

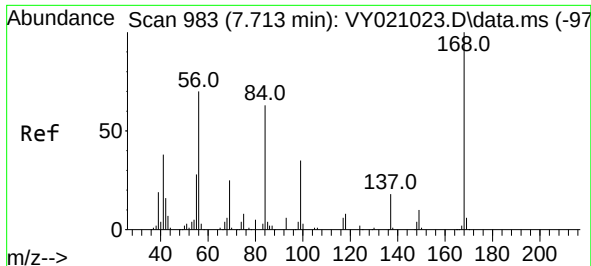
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

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

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

Quant Time: Feb 08 02:40:34 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

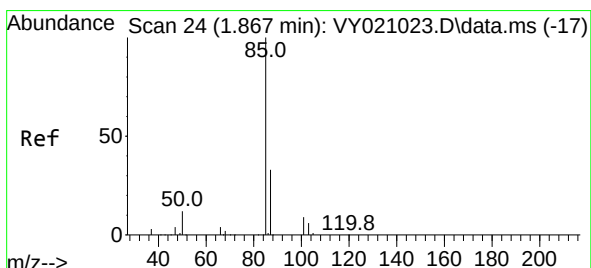
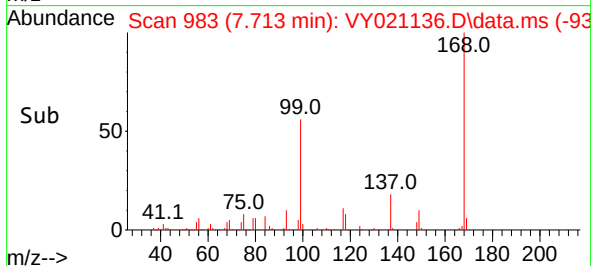
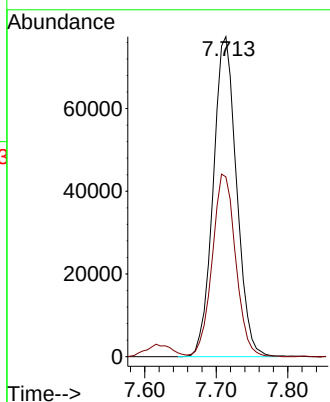
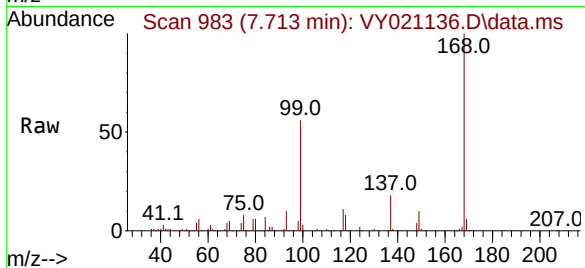




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

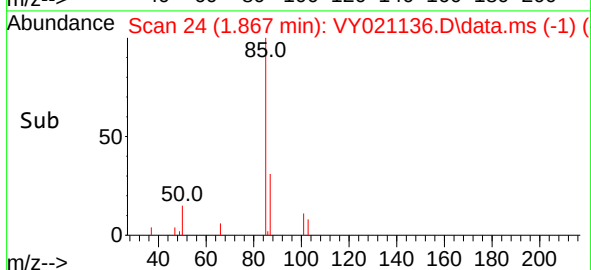
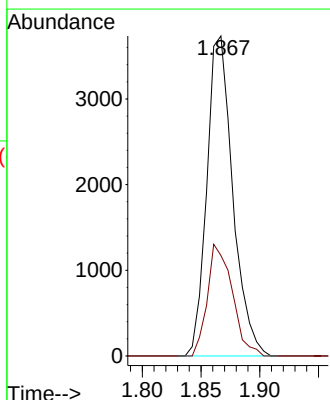
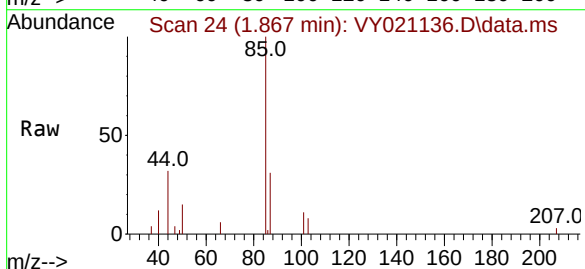
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

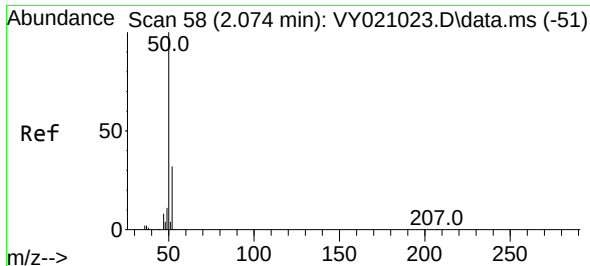
Tgt Ion:168 Resp: 175549
Ion Ratio Lower Upper
168 100
99 56.1 44.2 66.4



#2
Dichlorodifluoromethane
Concen: 3.676 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion: 85 Resp: 5751
Ion Ratio Lower Upper
85 100
87 31.4 17.1 51.3

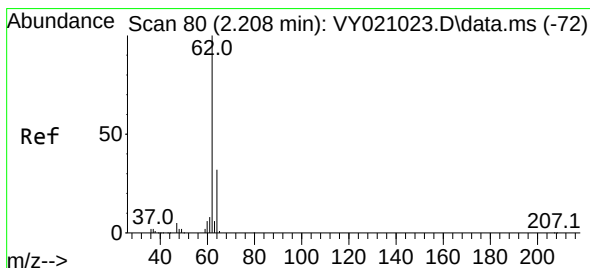
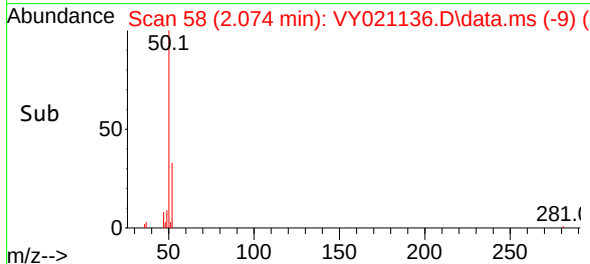
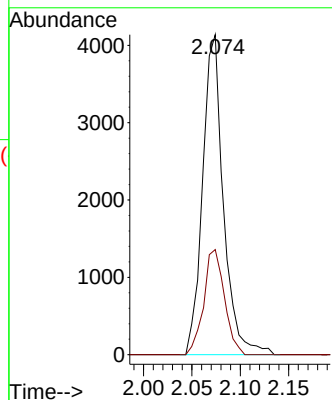
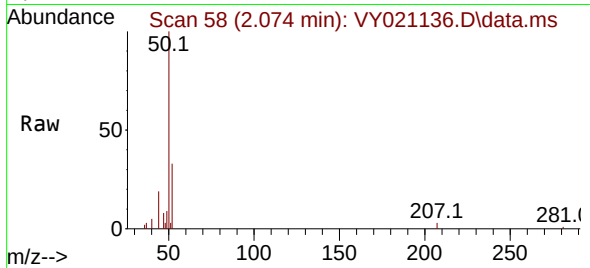




#3
Chloromethane
Concen: 4.013 ug/l
RT: 2.074 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

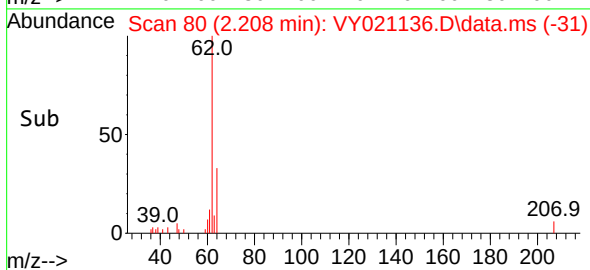
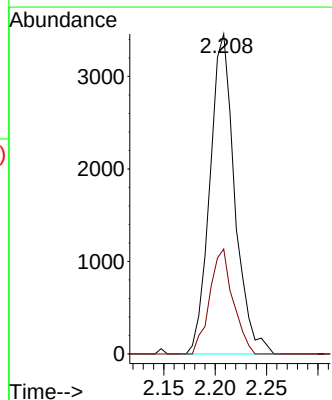
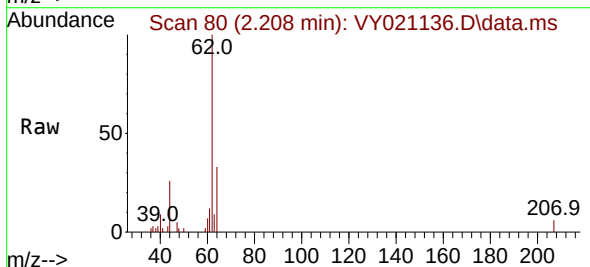
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

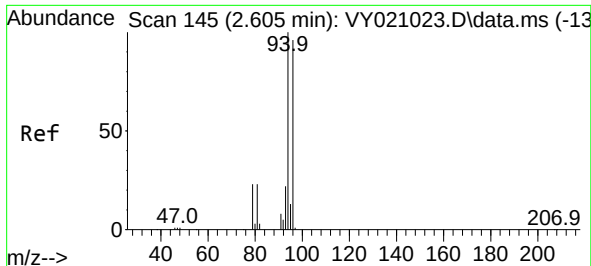
Tgt Ion: 50 Resp: 6196
Ion Ratio Lower Upper
50 100
52 32.8 26.7 40.1



#4
Vinyl Chloride
Concen: 3.744 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion: 62 Resp: 5818
Ion Ratio Lower Upper
62 100
64 32.8 25.7 38.5

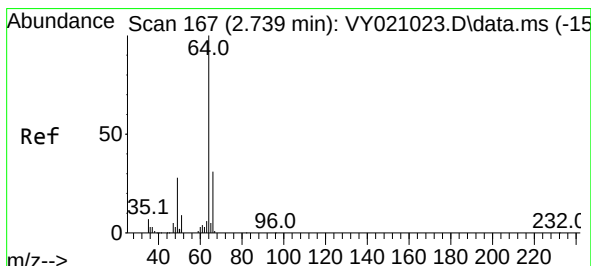
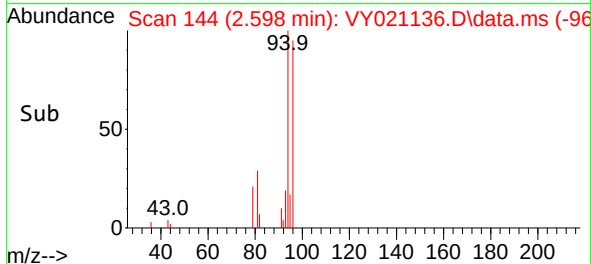
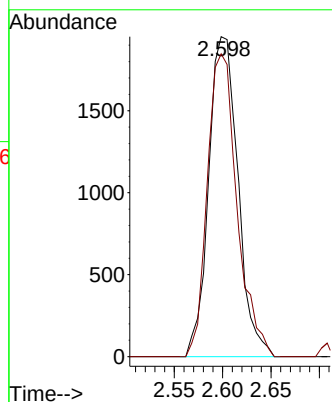
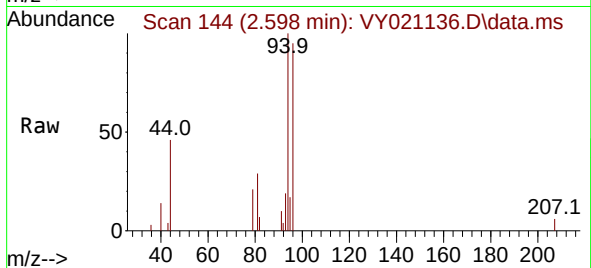




#5
Bromomethane
Concen: 4.280 ug/l
RT: 2.598 min Scan# 145
Delta R.T. -0.006 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

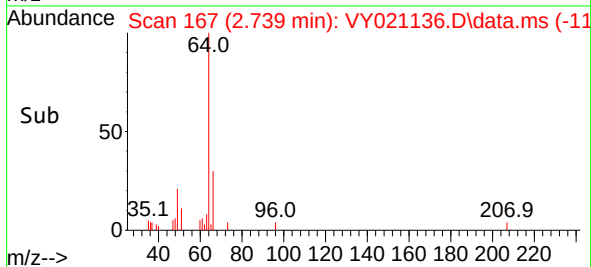
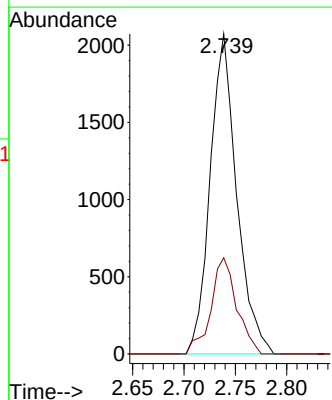
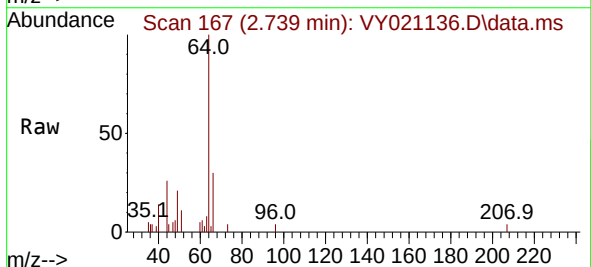
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

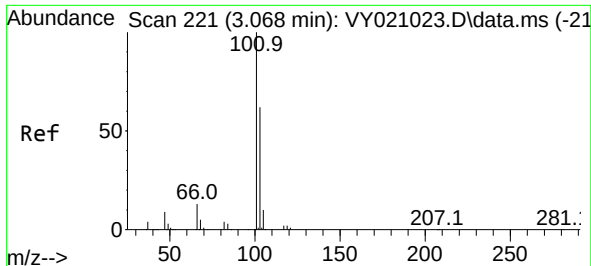
Tgt Ion: 94 Resp: 4111
Ion Ratio Lower Upper
94 100
96 94.7 77.3 115.9



#6
Chloroethane
Concen: 4.025 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion: 64 Resp: 3723
Ion Ratio Lower Upper
64 100
66 30.1 25.1 37.7

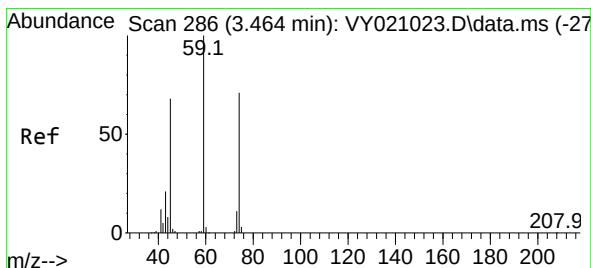
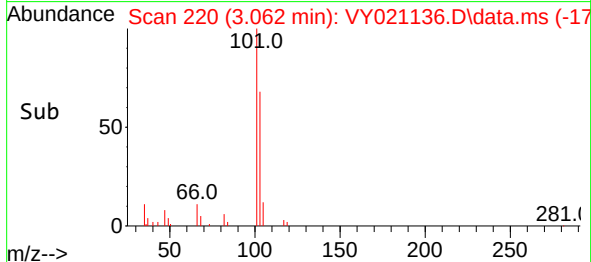
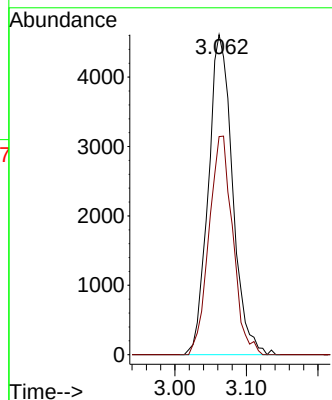
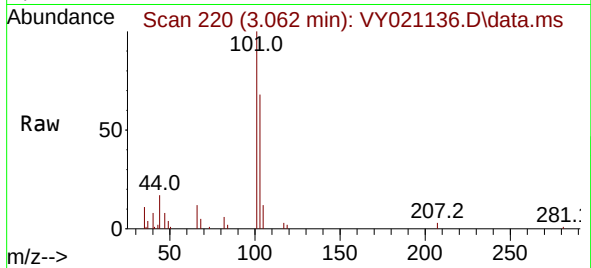




#7
 Trichlorofluoromethane
 Concen: 3.831 ug/l
 RT: 3.062 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY021136.D
 Acq: 07 Feb 2025 13:30

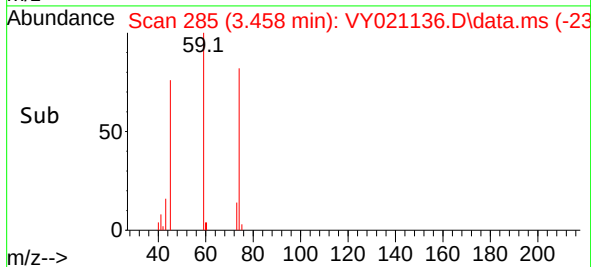
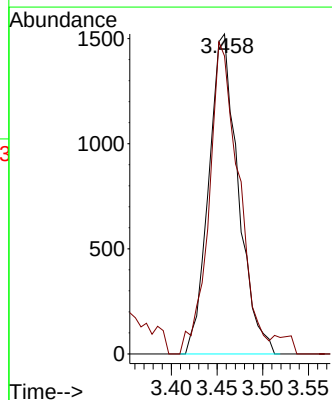
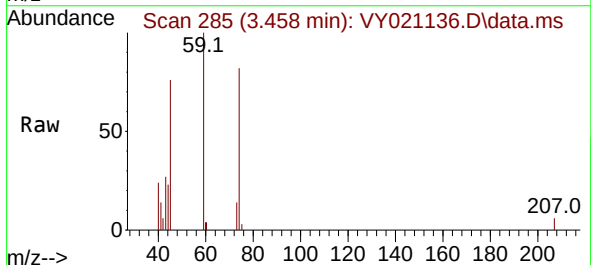
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

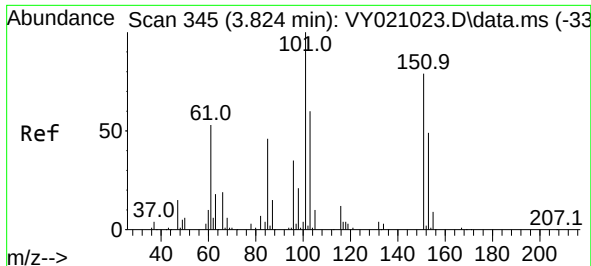
Tgt Ion:101 Resp: 10845
 Ion Ratio Lower Upper
 101 100
 103 68.1 51.9 77.9



#8
 Diethyl Ether
 Concen: 3.860 ug/l
 RT: 3.458 min Scan# 285
 Delta R.T. -0.006 min
 Lab File: VY021136.D
 Acq: 07 Feb 2025 13:30

Tgt Ion: 74 Resp: 3412
 Ion Ratio Lower Upper
 74 100
 45 98.3 47.9 143.7

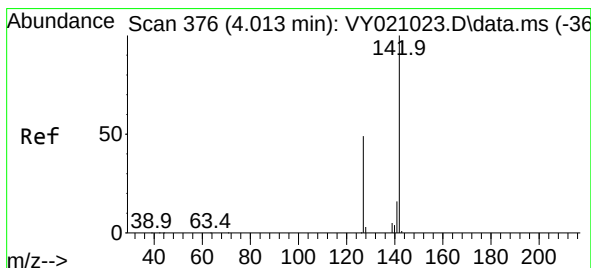
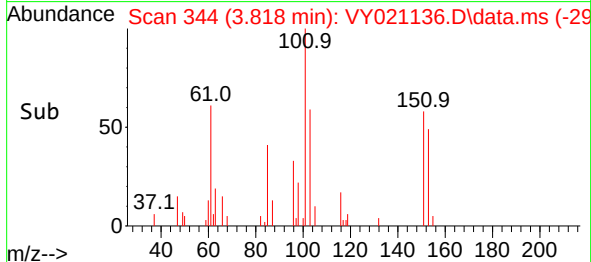
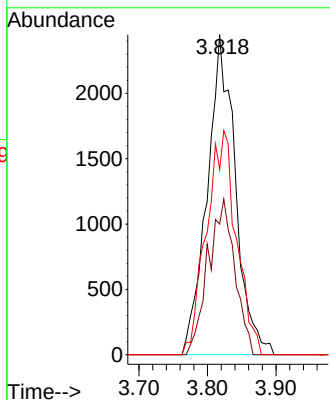
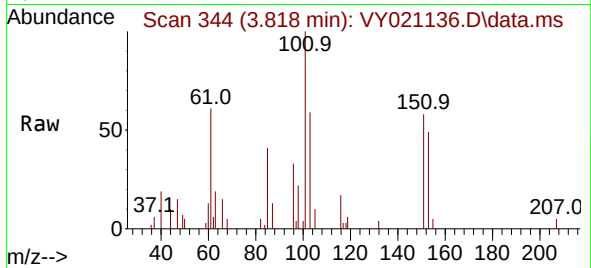




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.933 ug/l
RT: 3.818 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

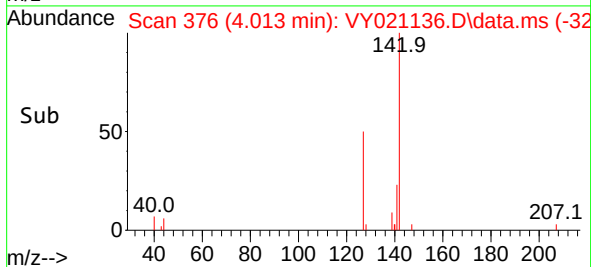
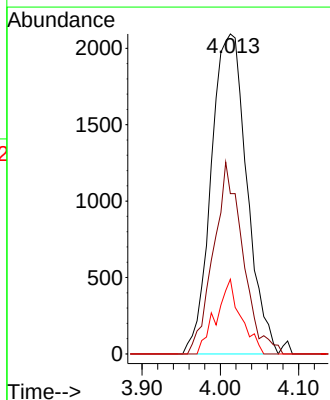
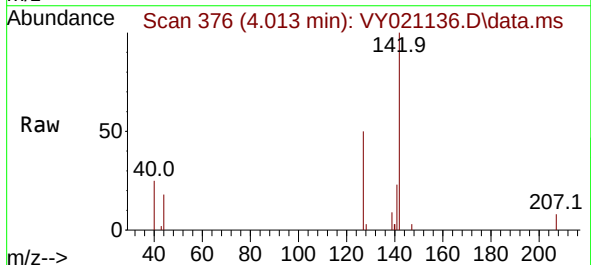
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

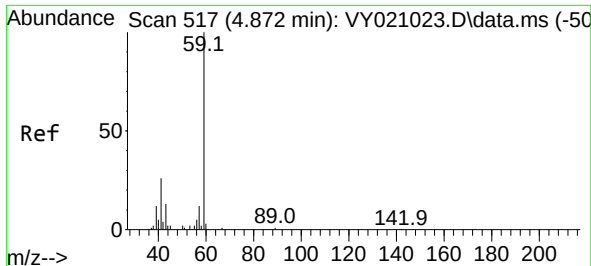
Tgt Ion:101 Resp: 6988
Ion Ratio Lower Upper
101 100
85 46.1 35.8 53.6
151 74.7 58.6 88.0



#10
Methyl Iodide
Concen: 3.347 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion:142 Resp: 6608
Ion Ratio Lower Upper
142 100
127 49.5 35.1 52.7
141 16.3 11.8 17.6





#11

Tert butyl alcohol

Concen: 28.297 ug/l

RT: 4.860 min Scan# 517

Delta R.T. -0.012 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

Instrument :

MSVOA_Y

ClientSampleId :

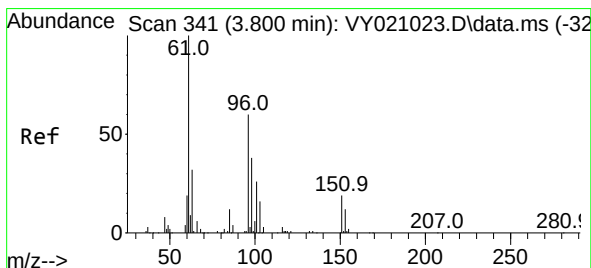
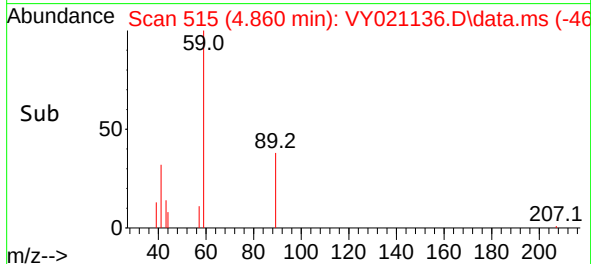
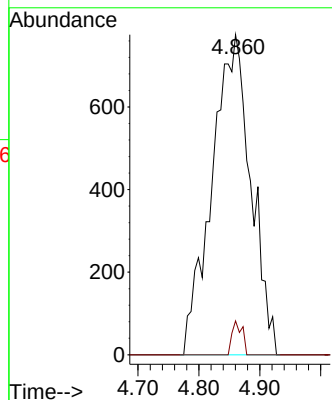
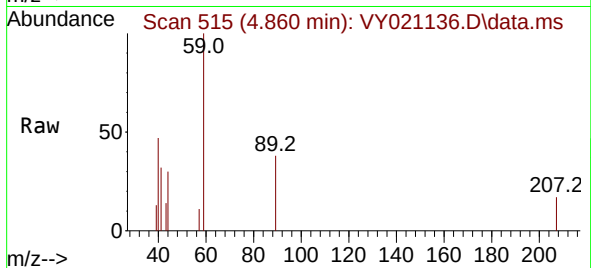
MDL-SOIL-03-QT1-2025

Tgt Ion: 59 Resp: 3449

Ion Ratio Lower Upper

59 100

57 2.7 7.4 11.0#



#12

1,1-Dichloroethene

Concen: 3.801 ug/l

RT: 3.793 min Scan# 340

Delta R.T. -0.006 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

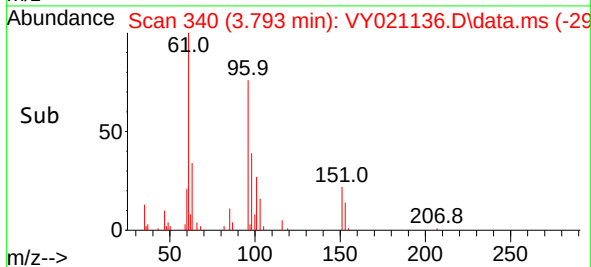
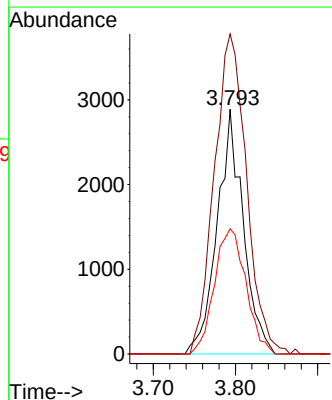
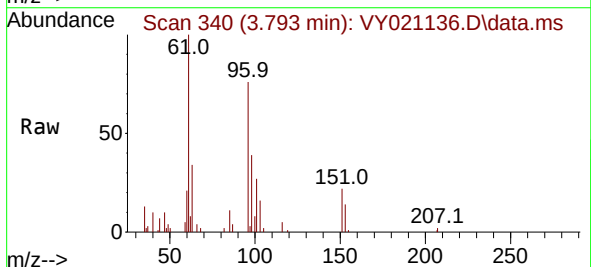
Tgt Ion: 96 Resp: 6362

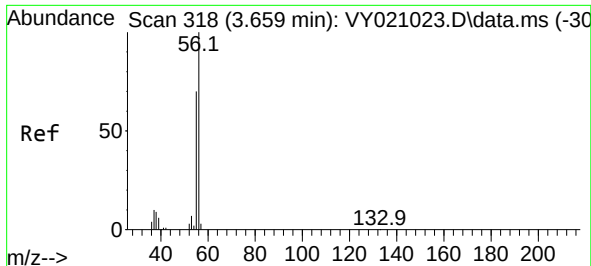
Ion Ratio Lower Upper

96 100

61 130.8 124.2 186.2

98 51.2 52.6 79.0#





#13

Acrolein

Concen: 17.444 ug/l

RT: 3.647 min Scan# 318

Delta R.T. -0.012 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

Instrument :

MSVOA_Y

ClientSampleId :

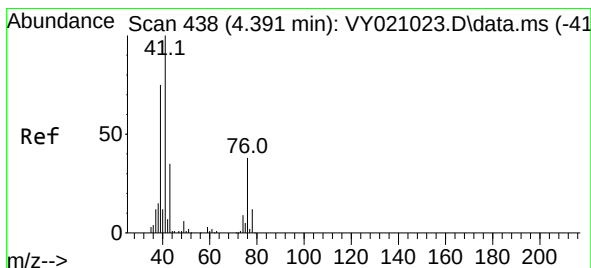
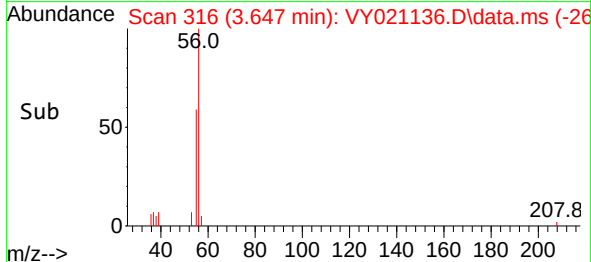
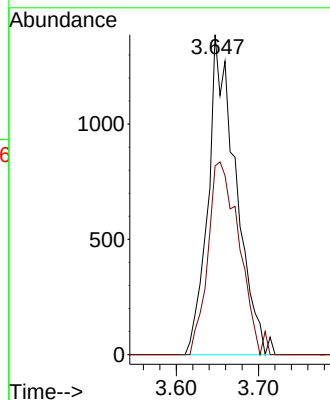
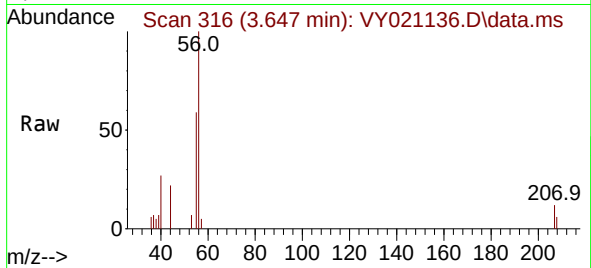
MDL-SOIL-03-QT1-2025

Tgt Ion: 56 Resp: 3274

Ion Ratio Lower Upper

56 100

55 67.6 55.4 83.0



#14

Allyl chloride

Concen: 3.634 ug/l

RT: 4.391 min Scan# 438

Delta R.T. -0.000 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

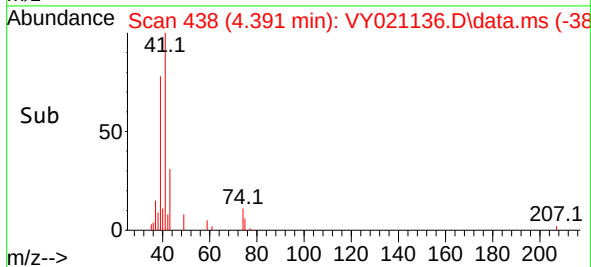
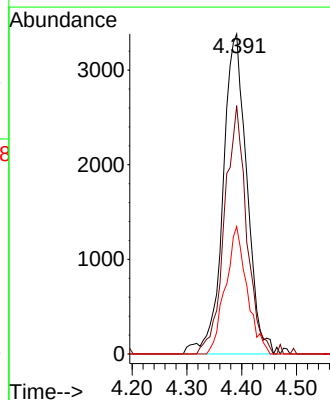
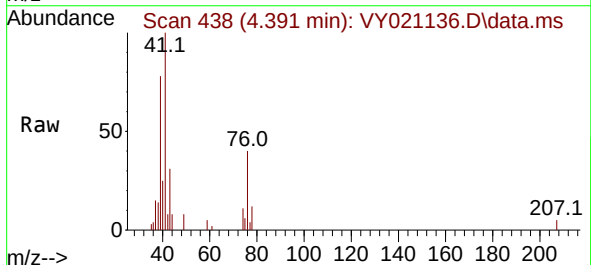
Tgt Ion: 41 Resp: 10252

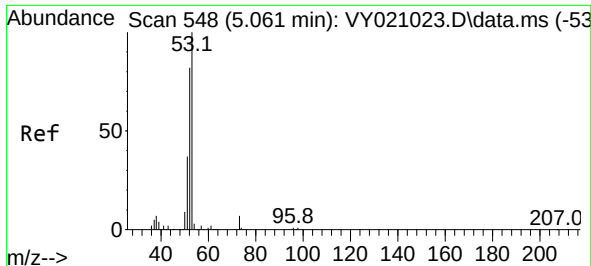
Ion Ratio Lower Upper

41 100

39 71.9 54.7 82.1

76 35.8 31.8 47.6

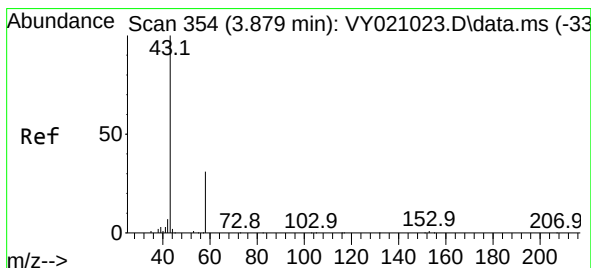
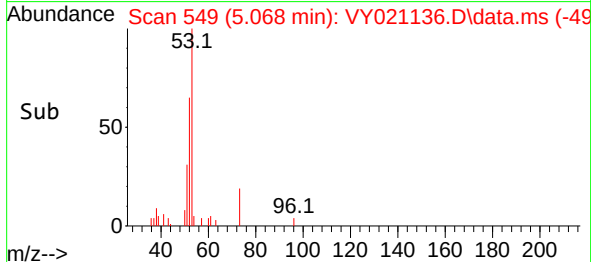
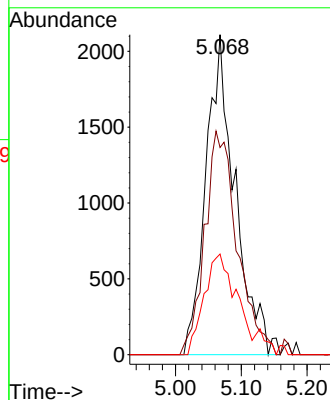
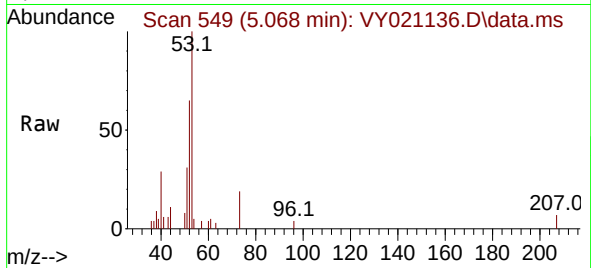




#15
Acrylonitrile
Concen: 17.686 ug/l
RT: 5.068 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

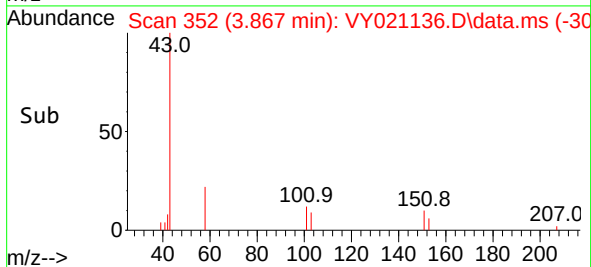
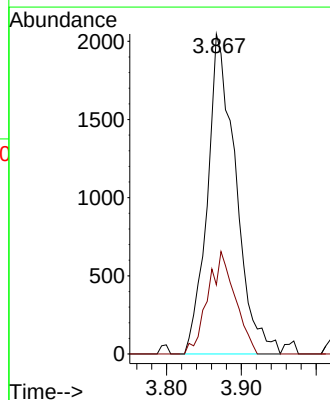
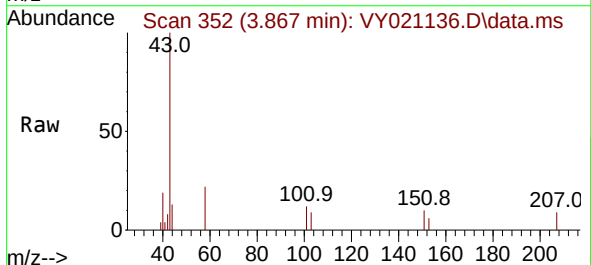
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

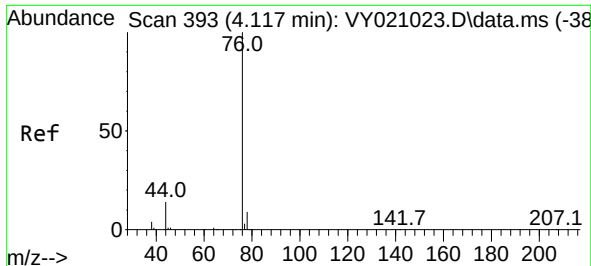
Tgt Ion: 53	Resp: 6509
Ion Ratio	Lower Upper
53 100	
52 77.7	65.1 97.7
51 34.4	29.0 43.4



#16
Acetone
Concen: 19.241 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion: 43	Resp: 5397
Ion Ratio	Lower Upper
43 100	
58 21.6	26.6 39.8#

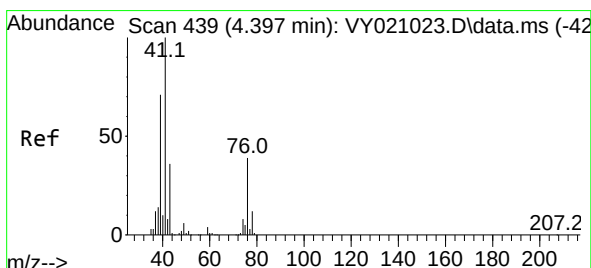
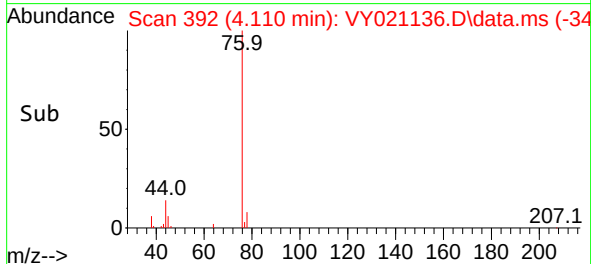
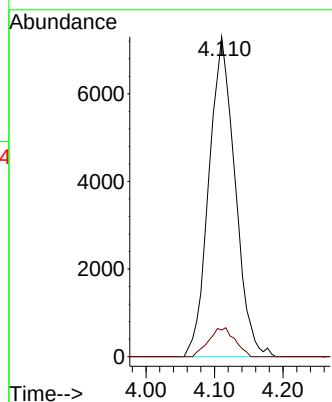
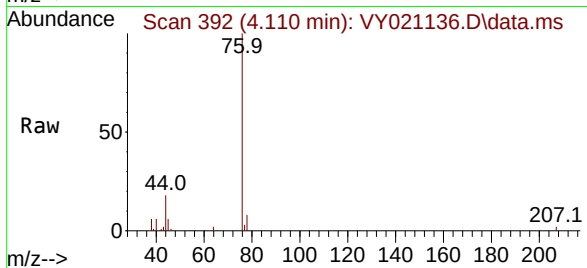




#17
Carbon Disulfide
Concen: 3.690 ug/l
RT: 4.110 min Scan# 393
Delta R.T. -0.006 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

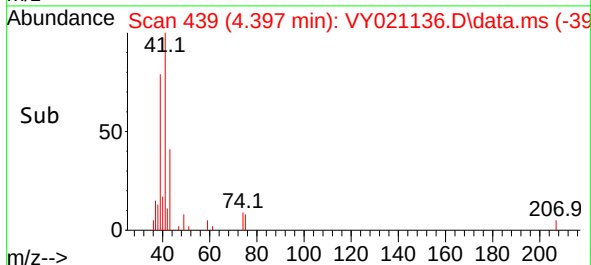
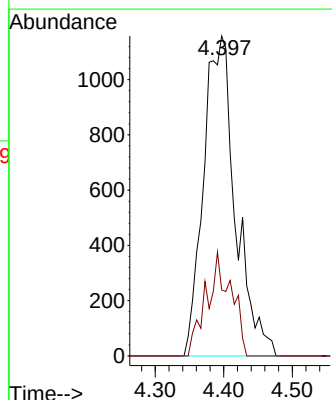
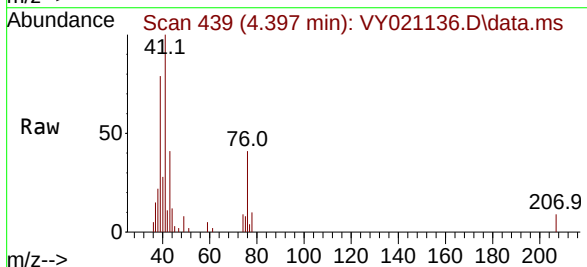
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

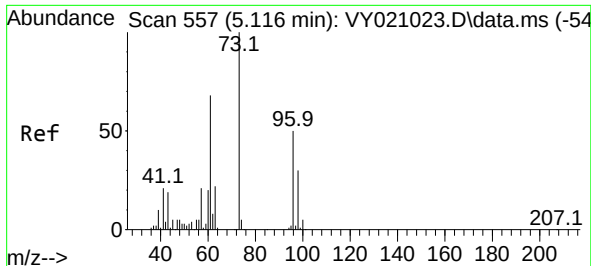
Tgt Ion: 76 Resp: 19369
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0



#18
Methyl Acetate
Concen: 3.808 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion: 43 Resp: 3750
Ion Ratio Lower Upper
43 100
74 25.1 19.8 29.6

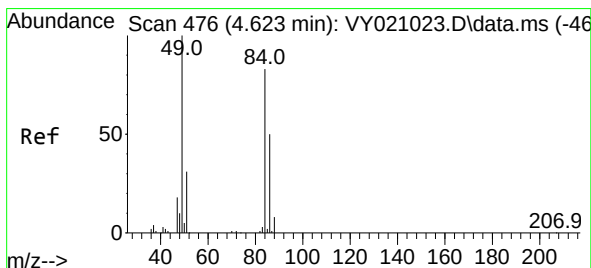
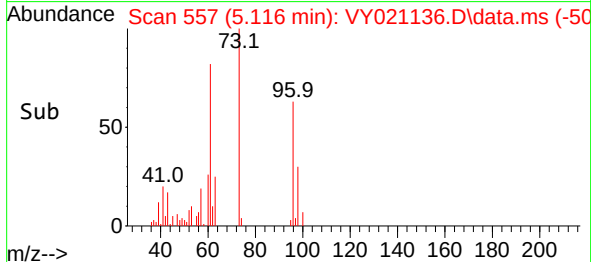
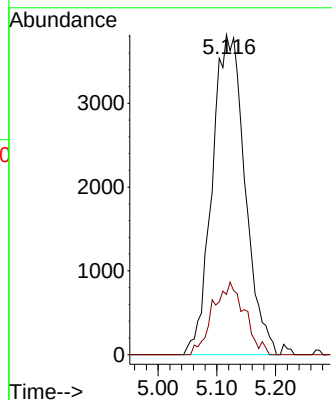
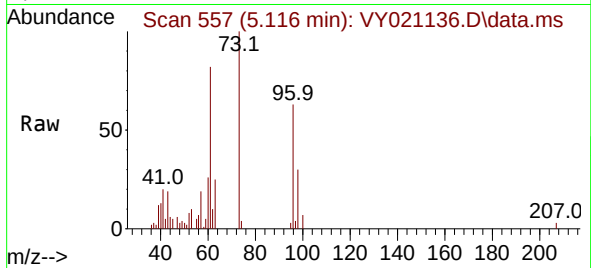




#19
Methyl tert-butyl Ether
Concen: 3.509 ug/l
RT: 5.116 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

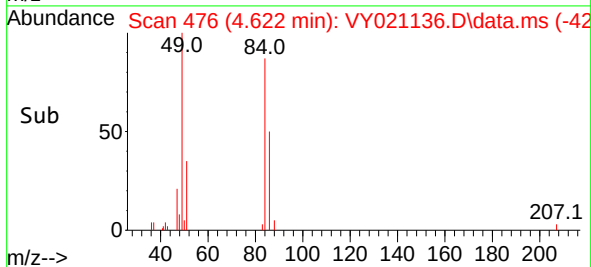
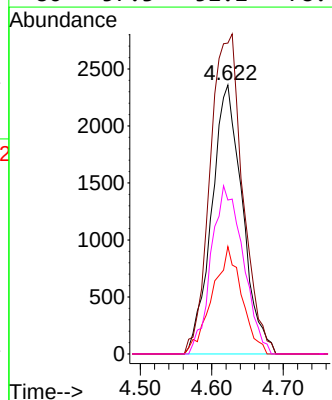
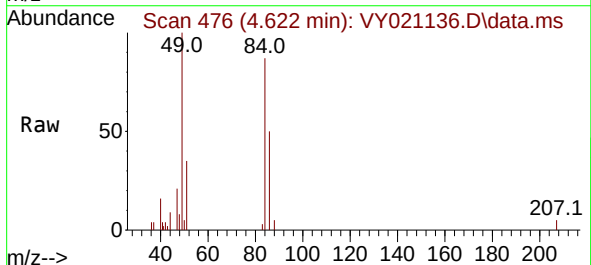
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

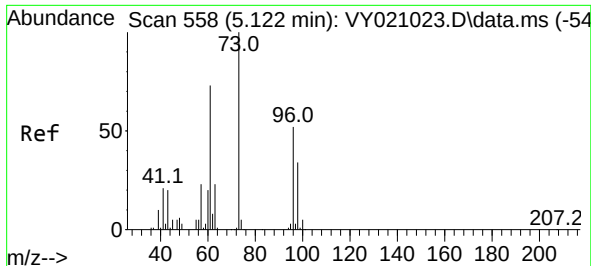
Tgt Ion: 73 Resp: 14845
Ion Ratio Lower Upper
73 100
57 18.8 17.7 26.5



#20
Methylene Chloride
Concen: 4.045 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion: 84 Resp: 7054
Ion Ratio Lower Upper
84 100
49 115.6 95.2 142.8
51 39.9 29.9 44.9
86 57.3 52.2 78.4

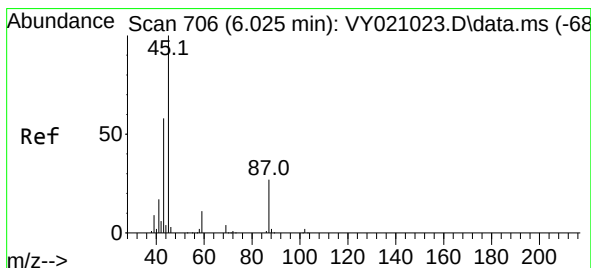
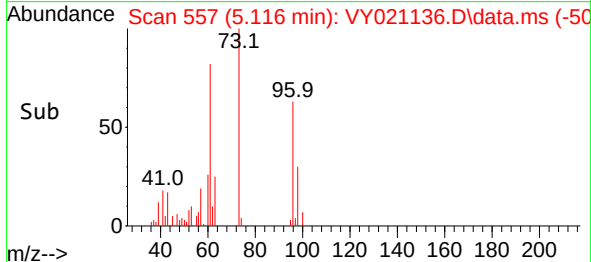
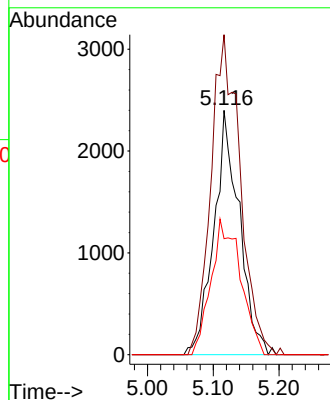
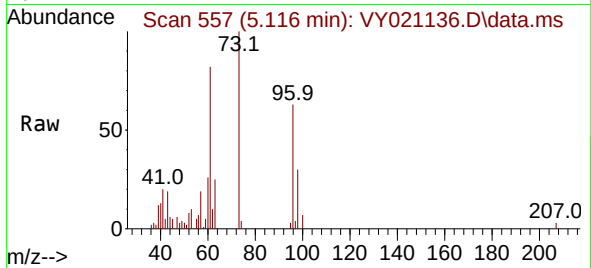




#21
trans-1,2-Dichloroethene
Concen: 3.502 ug/l
RT: 5.116 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

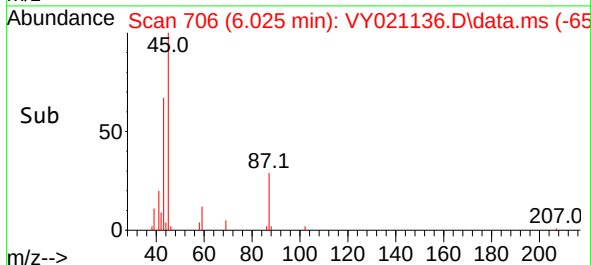
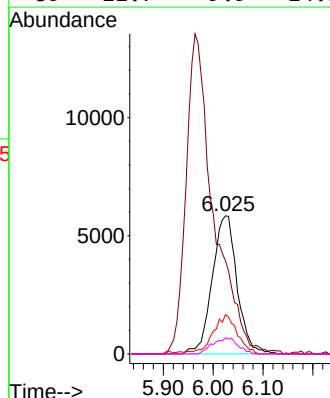
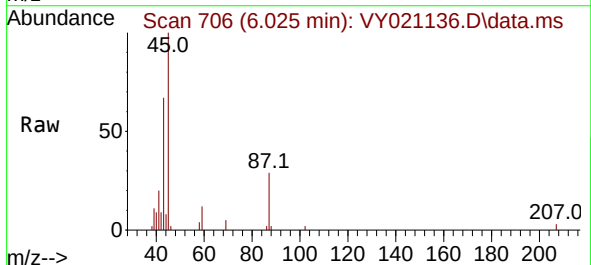
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

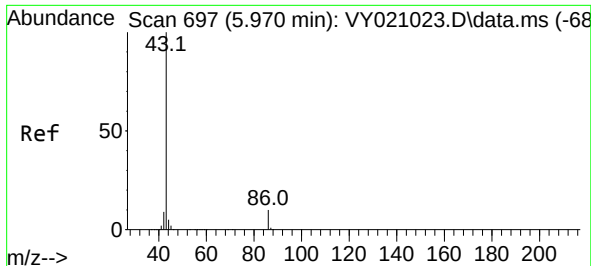
Tgt Ion: 96 Resp: 6452
Ion Ratio Lower Upper
96 100
61 131.0 104.6 156.8
98 47.5 50.9 76.3#



#22
Diisopropyl ether
Concen: 3.476 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion: 45 Resp: 20209
Ion Ratio Lower Upper
45 100
43 65.3 46.8 70.2
87 28.6 22.2 33.2
59 11.7 9.9 14.9

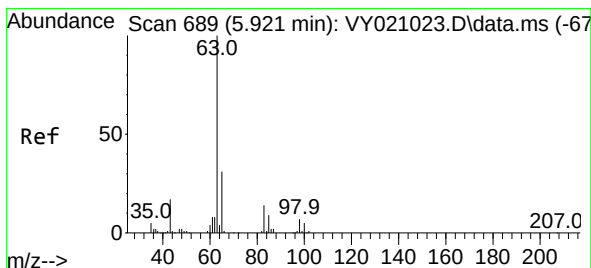
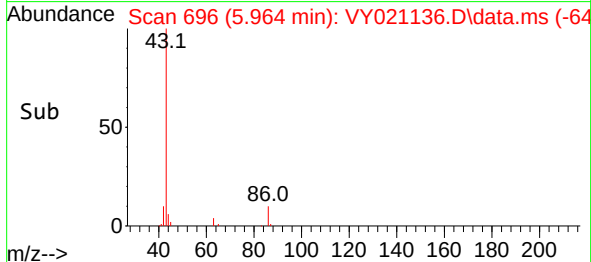
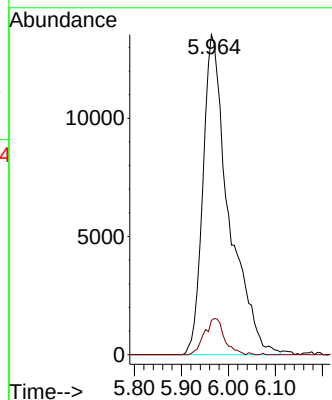
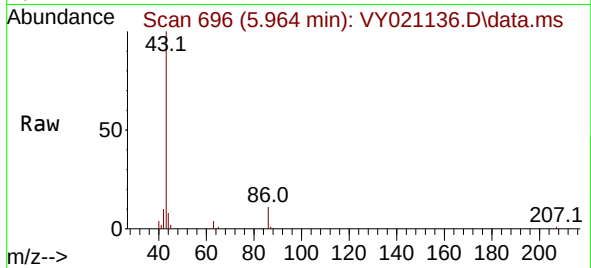




#23
 Vinyl Acetate
 Concen: 16.000 ug/l
 RT: 5.964 min Scan# 696
 Delta R.T. -0.006 min
 Lab File: VY021136.D
 Acq: 07 Feb 2025 13:30

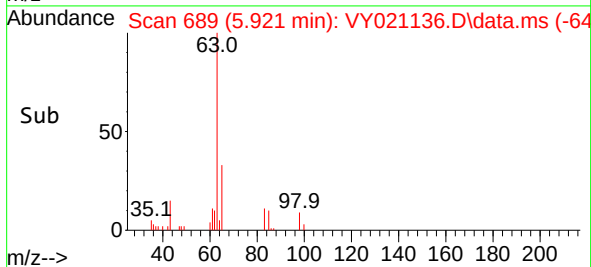
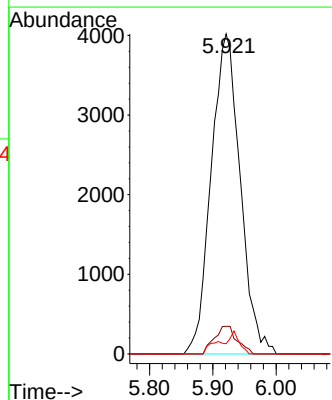
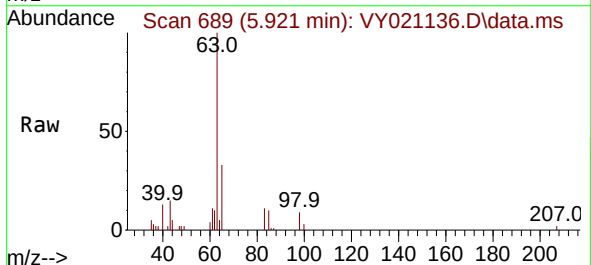
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

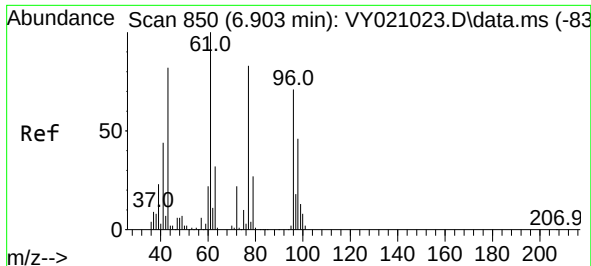
Tgt Ion: 43 Resp: 51862
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 3.751 ug/l
 RT: 5.921 min Scan# 689
 Delta R.T. -0.000 min
 Lab File: VY021136.D
 Acq: 07 Feb 2025 13:30

Tgt Ion: 63 Resp: 12779
 Ion Ratio Lower Upper
 63 100
 98 8.6 3.8 11.4
 100 3.2 2.1 6.2

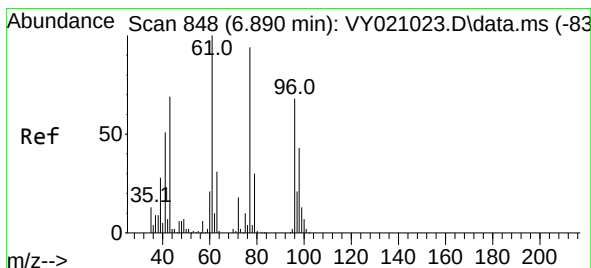
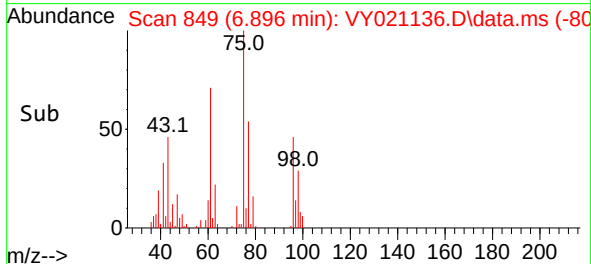
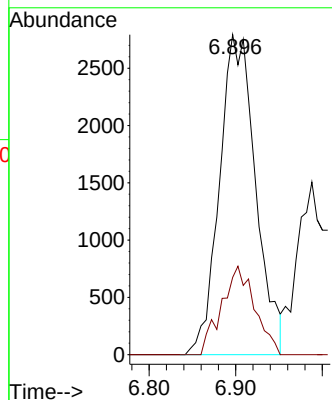
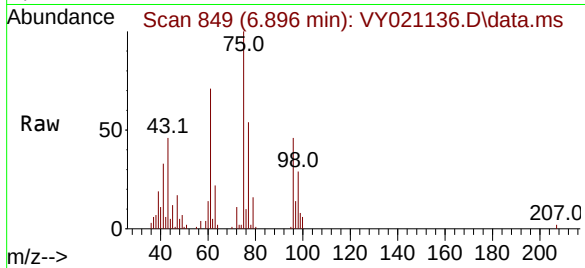




#25
2-Butanone
Concen: 17.617 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

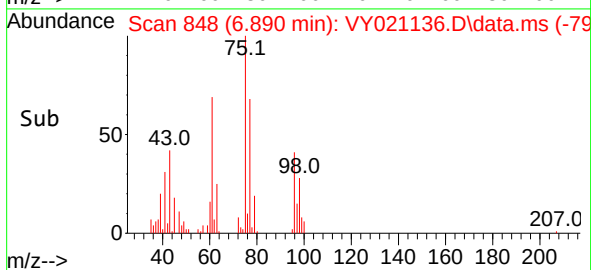
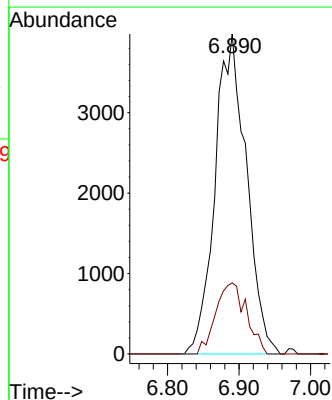
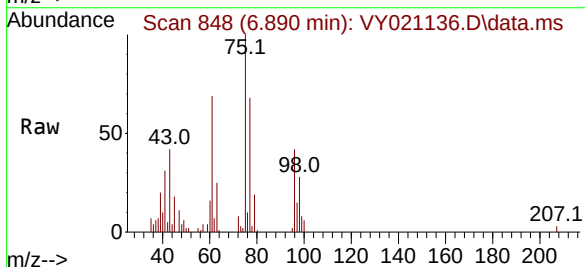
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025

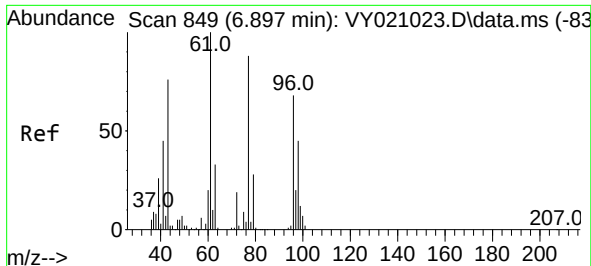
Tgt Ion: 43 Resp: 8120
Ion Ratio Lower Upper
43 100
72 24.1 21.4 32.2



#26
2,2-Dichloropropane
Concen: 3.840 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion: 77 Resp: 12106
Ion Ratio Lower Upper
77 100
97 21.7 11.7 35.0

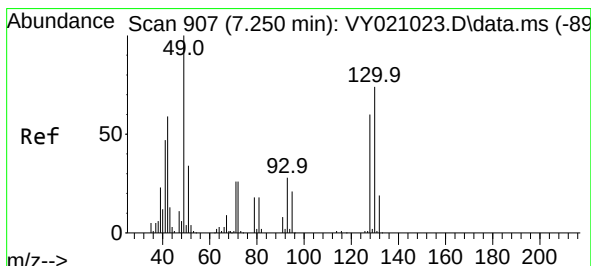
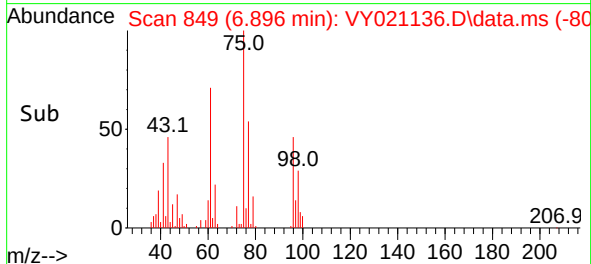
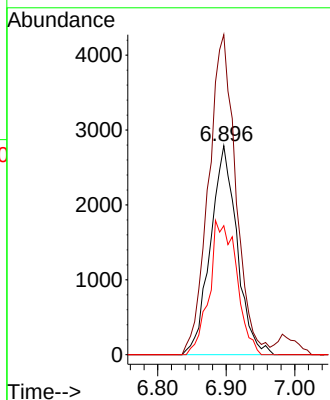
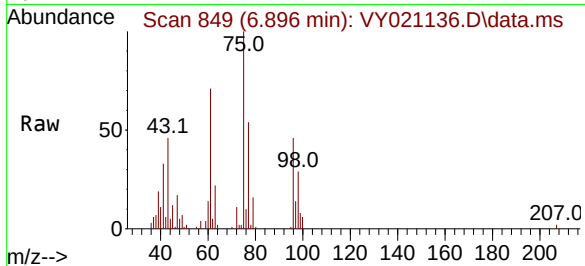




#27
 cis-1,2-Dichloroethene
 Concen: 3.540 ug/l
 RT: 6.896 min Scan# 849
 Delta R.T. -0.000 min
 Lab File: VY021136.D
 Acq: 07 Feb 2025 13:30

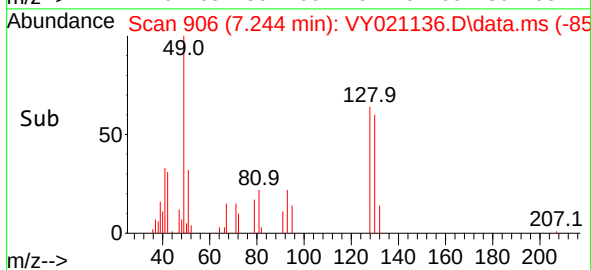
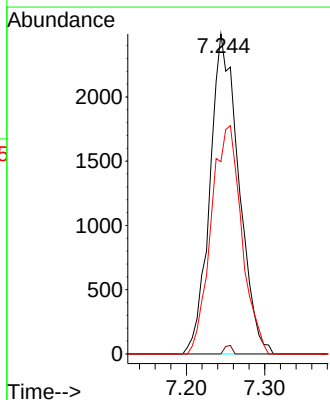
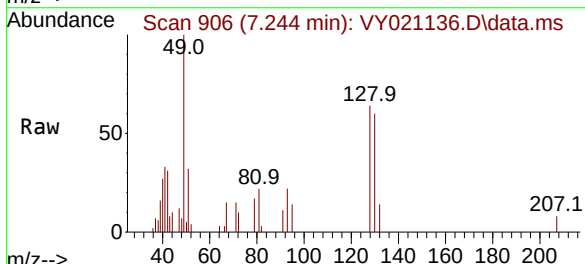
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

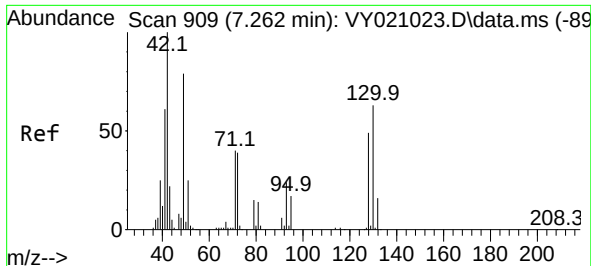
Tgt Ion: 96	Resp: 7508		
Ion	Ratio	Lower	Upper
96	100		
61	157.9	0.0	278.8
98	65.9	0.0	127.0



#28
 Bromochloromethane
 Concen: 4.732 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. -0.006 min
 Lab File: VY021136.D
 Acq: 07 Feb 2025 13:30

Tgt Ion: 49	Resp: 6375
Ion Ratio	Lower Upper
49 100	
129 0.7	0.0 3.8
130 75.2	59.8 89.8





#29

Tetrahydrofuran

Concen: 17.128 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

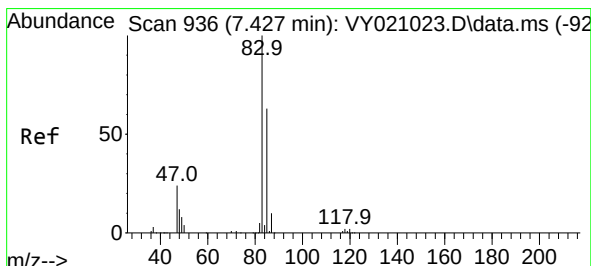
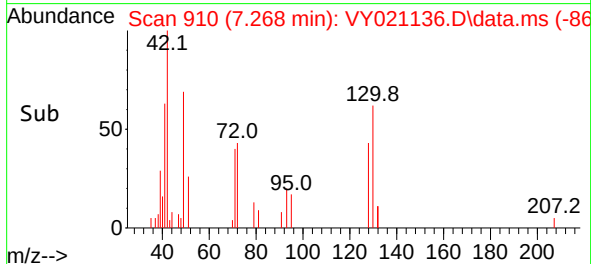
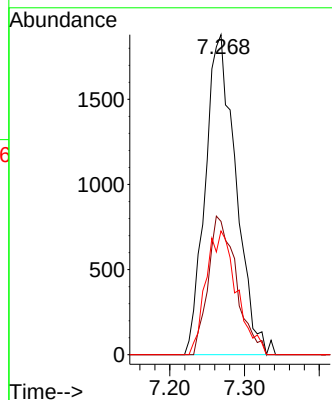
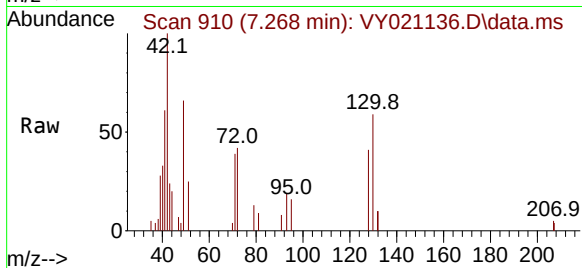
Tgt Ion: 42 Resp: 5342

Ion Ratio Lower Upper

42 100

72 39.8 36.6 54.8

71 38.8 33.8 50.6



#30

Chloroform

Concen: 3.857 ug/l

RT: 7.427 min Scan# 936

Delta R.T. -0.000 min

Lab File: VY021136.D

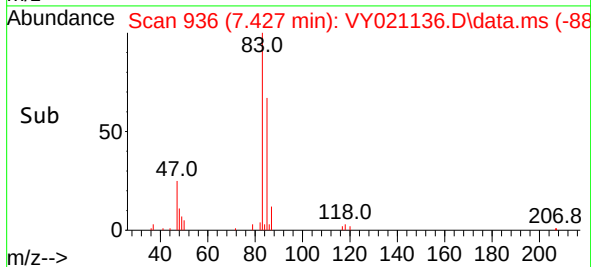
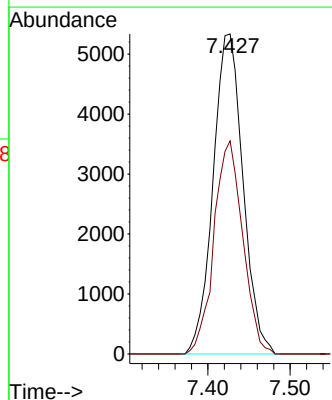
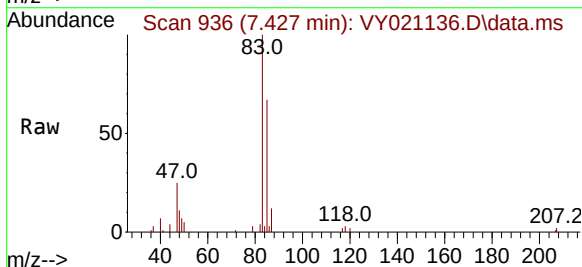
Acq: 07 Feb 2025 13:30

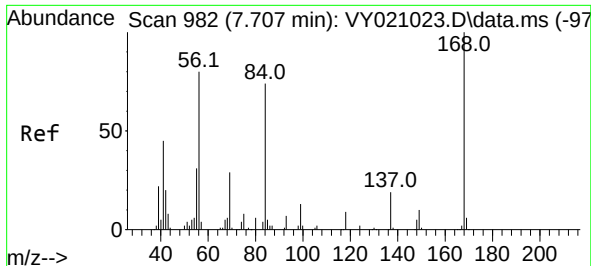
Tgt Ion: 83 Resp: 13497

Ion Ratio Lower Upper

83 100

85 66.6 51.2 76.8

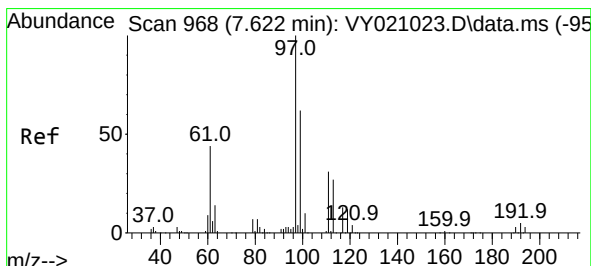
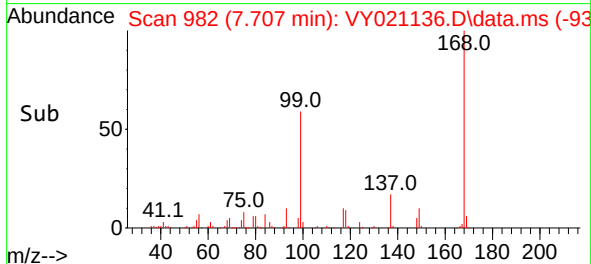
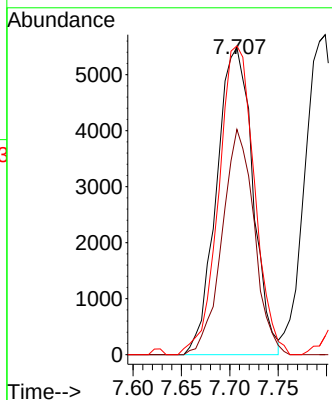
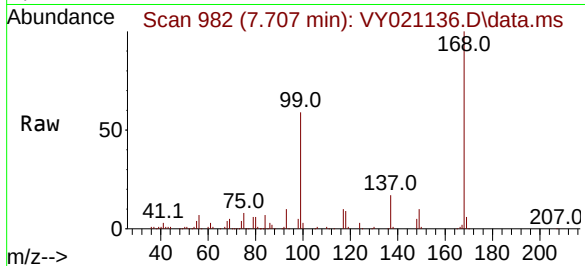




#31
Cyclohexane
Concen: 4.666 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

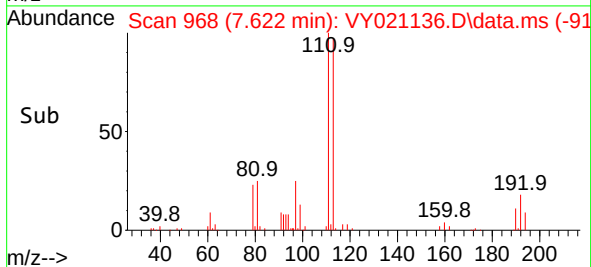
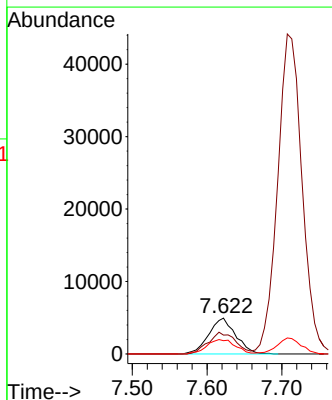
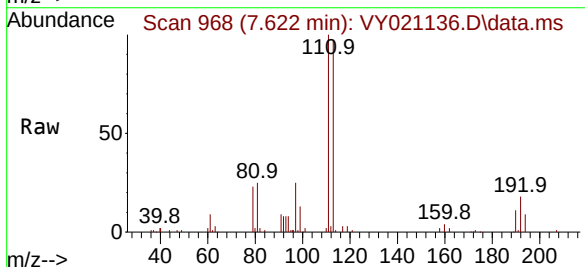
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

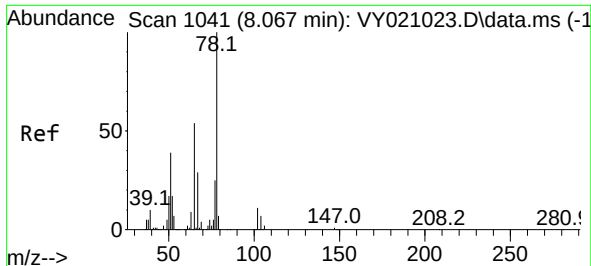
Tgt Ion: 56 Resp: 14314
Ion Ratio Lower Upper
56 100
69 73.4 27.0 40.6#
84 100.6 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 3.803 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion: 97 Resp: 12372
Ion Ratio Lower Upper
97 100
99 61.5 51.2 76.8
61 42.8 35.0 52.6





#33

1,2-Dichloroethane-d4

Concen: 45.256 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

Instrument :

MSVOA_Y

ClientSampleId :

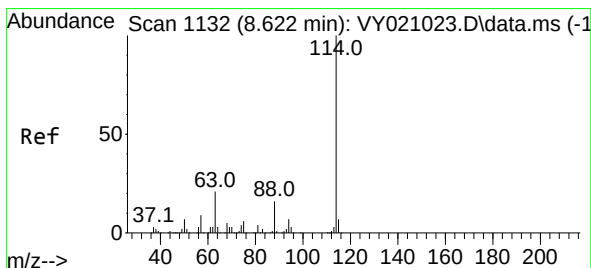
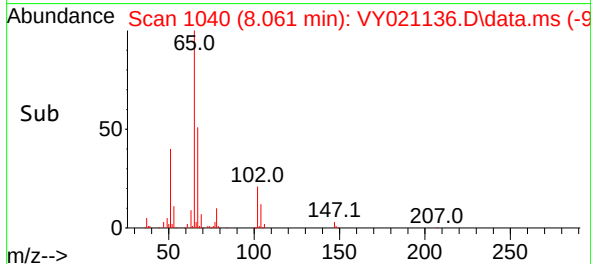
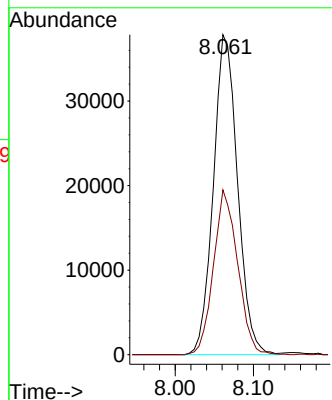
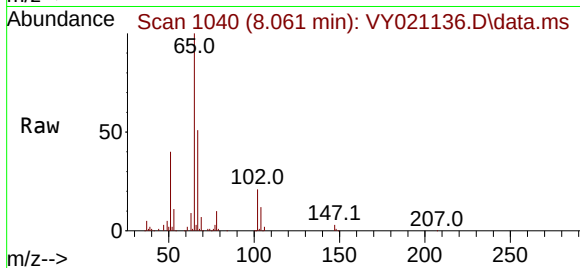
MDL-SOIL-03-QT1-2025

Tgt Ion: 65 Resp: 81400

Ion Ratio Lower Upper

65 100

67 51.3 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

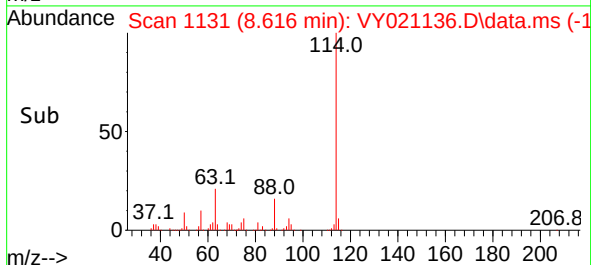
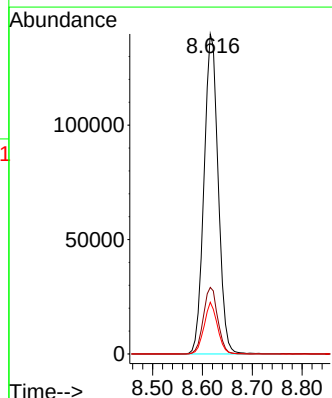
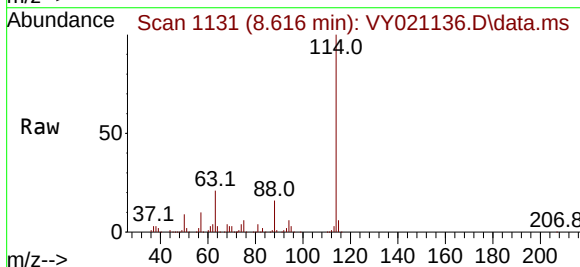
Tgt Ion: 114 Resp: 275701

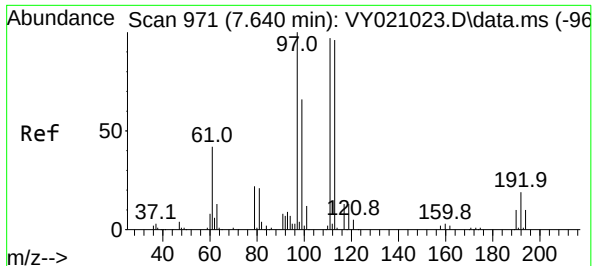
Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.4

88 16.1 0.0 29.0





#35

Dibromofluoromethane

Concen: 44.615 ug/l

RT: 7.640 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

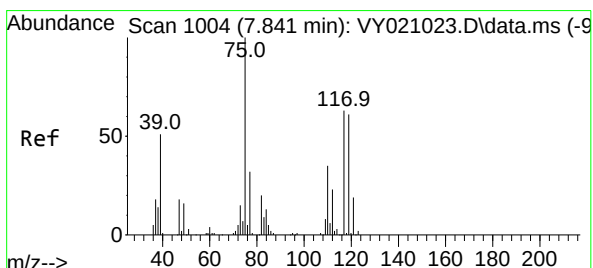
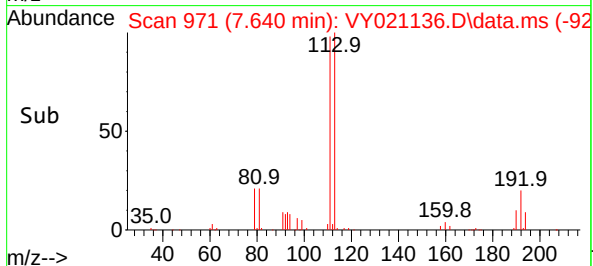
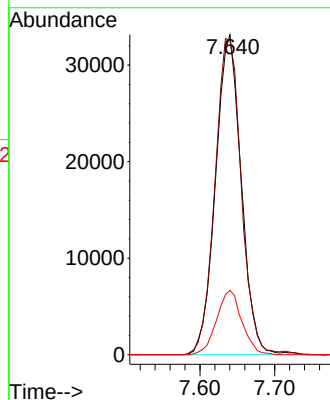
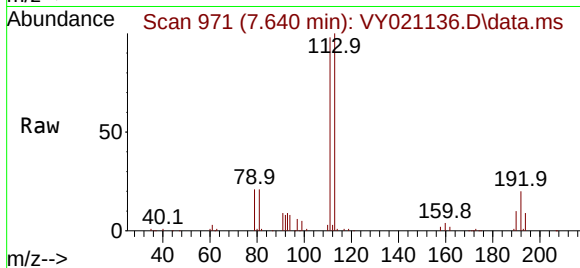
Tgt Ion:113 Resp: 78830

Ion Ratio Lower Upper

113 100

111 102.0 83.8 125.6

192 19.8 14.5 21.7



#36

1,1-Dichloropropene

Concen: 3.596 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.006 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

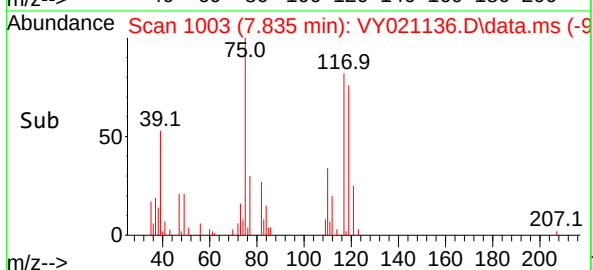
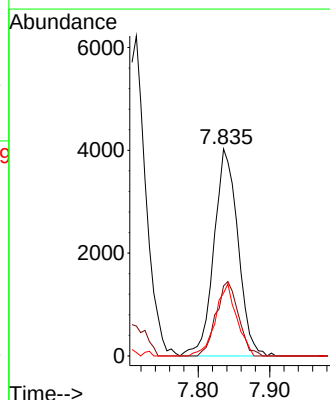
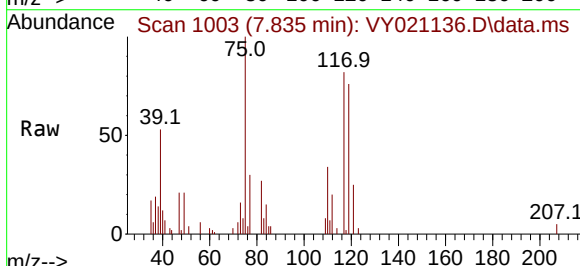
Tgt Ion: 75 Resp: 9410

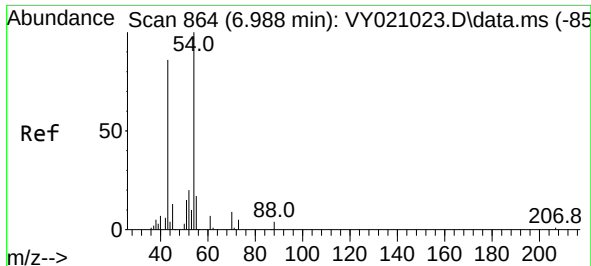
Ion Ratio Lower Upper

75 100

110 33.4 17.4 52.3

77 30.9 24.7 37.1

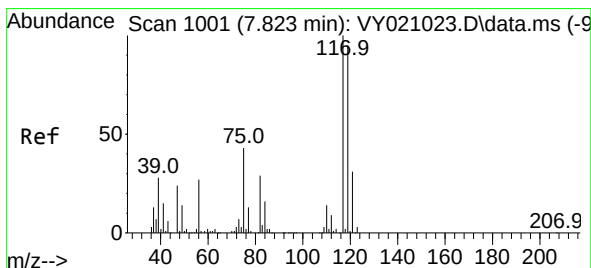
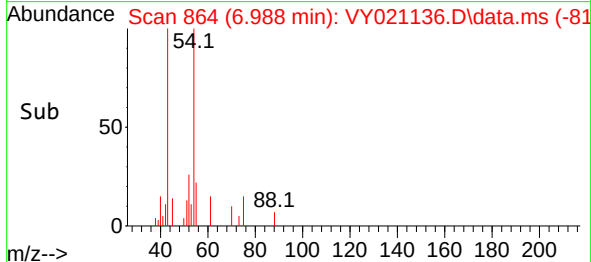
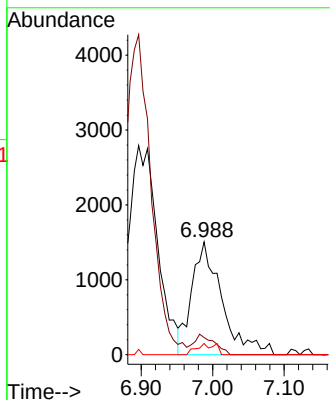
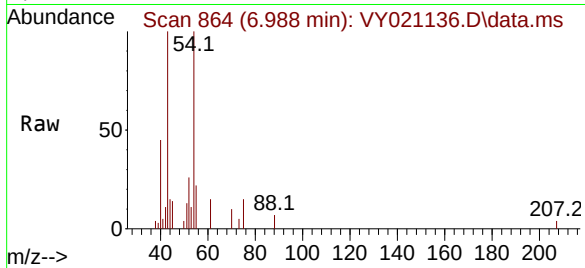




#37
Ethyl Acetate
Concen: 3.837 ug/l
RT: 6.988 min Scan# 81
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

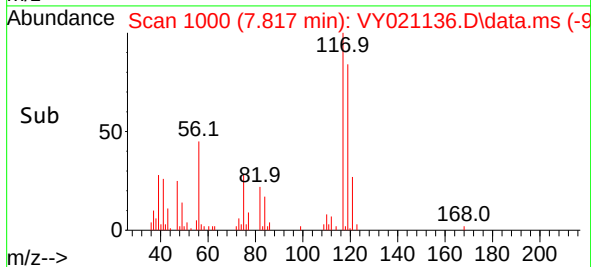
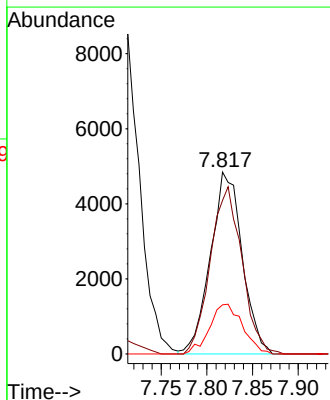
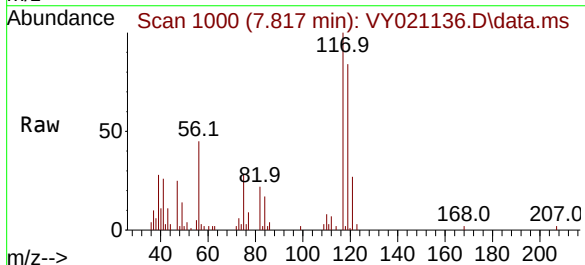
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

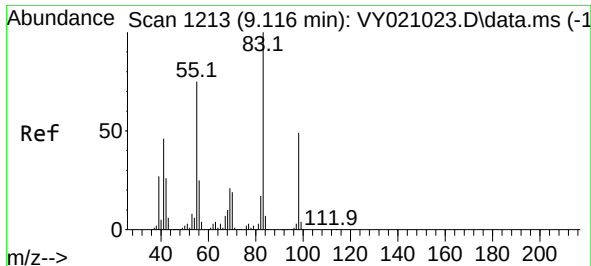
Tgt Ion: 43 Resp: 4405
Ion Ratio Lower Upper
43 100
61 12.2 11.0 16.6
70 6.2 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 3.831 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion: 117 Resp: 11716
Ion Ratio Lower Upper
117 100
119 84.4 76.0 114.0
121 27.0 24.2 36.2





#39

Methylcyclohexane

Concen: 3.617 ug/l

RT: 9.109 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

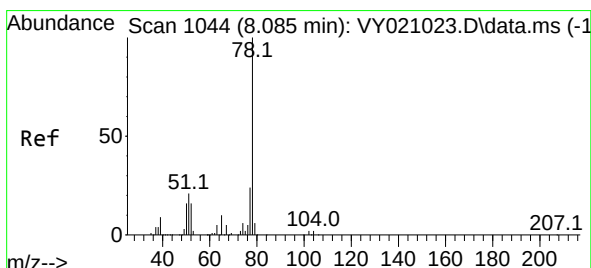
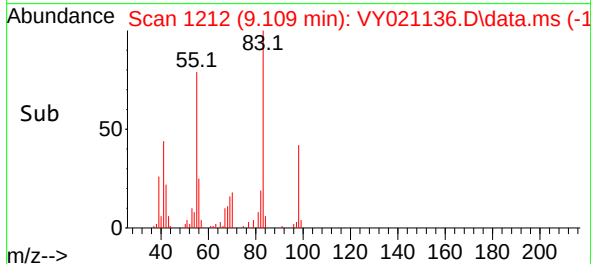
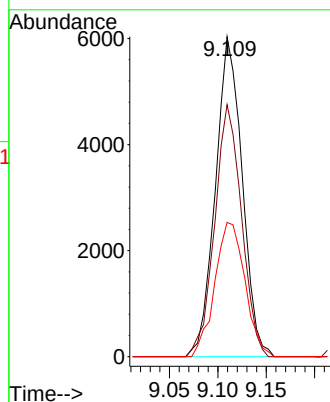
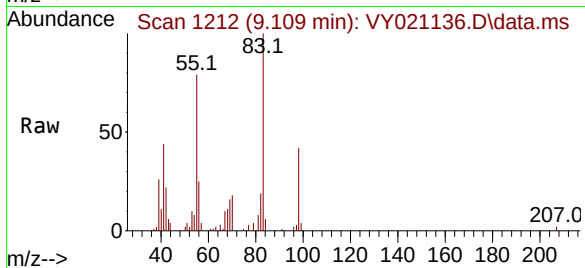
Tgt Ion: 83 Resp: 11579

Ion Ratio Lower Upper

83 100

55 78.7 59.7 89.5

98 41.9 38.0 57.0



#40

Benzene

Concen: 3.653 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. -0.000 min

Lab File: VY021136.D

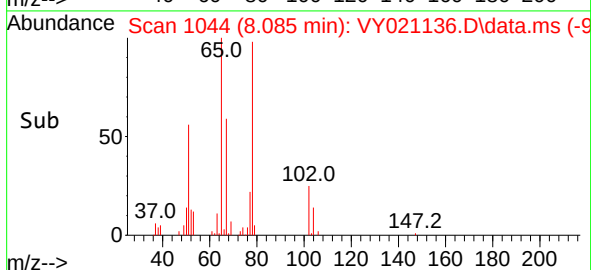
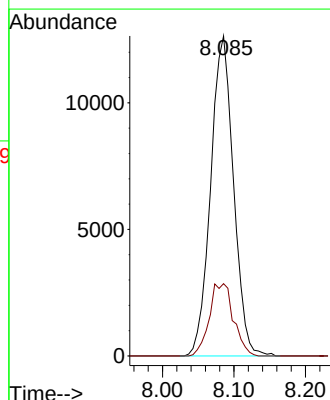
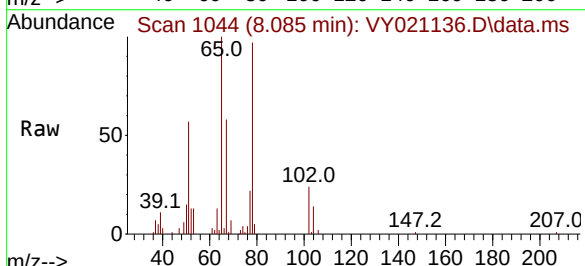
Acq: 07 Feb 2025 13:30

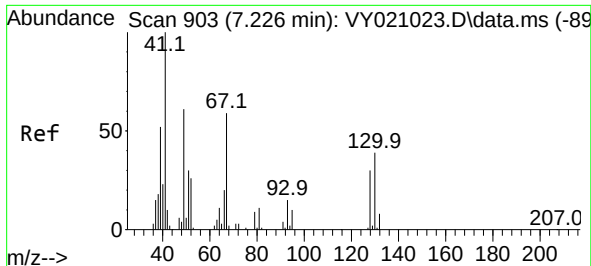
Tgt Ion: 78 Resp: 28054

Ion Ratio Lower Upper

78 100

77 22.6 18.8 28.2

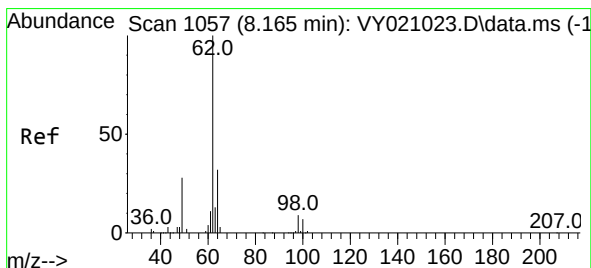
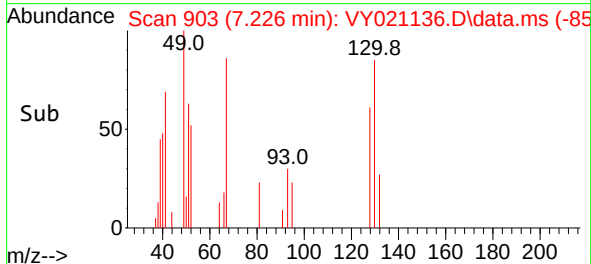
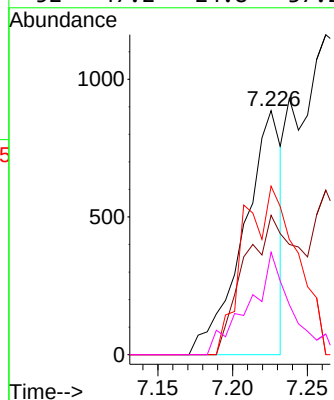
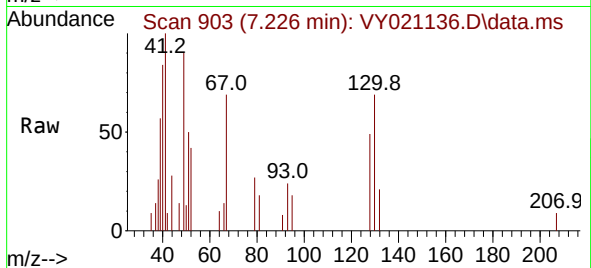




#41
Methacrylonitrile
Concen: 2.338 ug/l
RT: 7.226 min Scan# 903
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

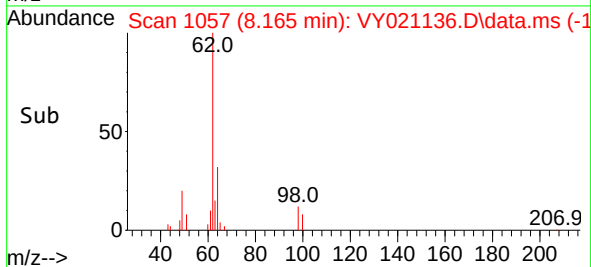
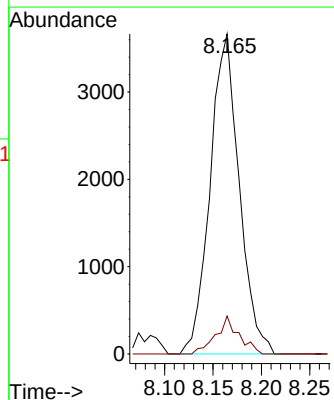
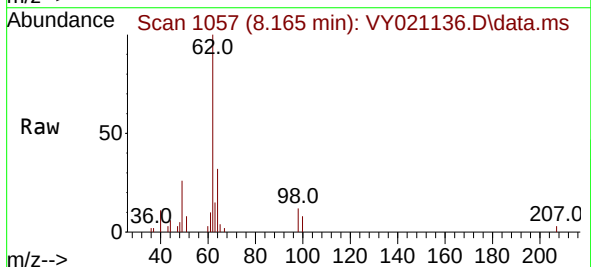
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

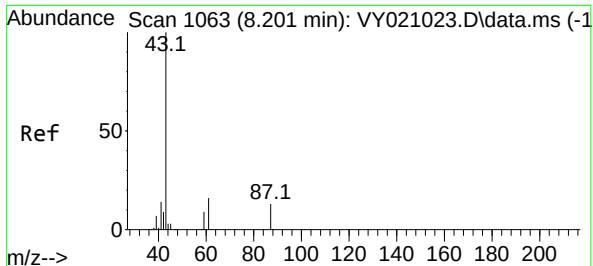
Tgt Ion:	41	Resp:	1553
Ion	Ratio	Lower	Upper
41	100		
39	83.2	41.9	62.9#
67	41.9	59.8	89.6#
52	47.2	24.8	37.2#



#42
1,2-Dichloroethane
Concen: 3.605 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion:	62	Resp:	7680
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	20.2





#43

Isopropyl Acetate

Concen: 3.377 ug/l

RT: 8.207 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

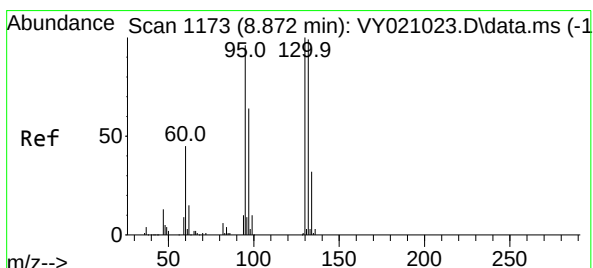
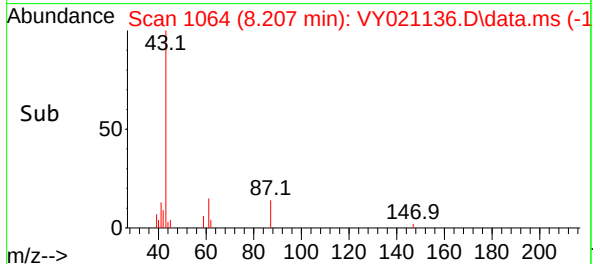
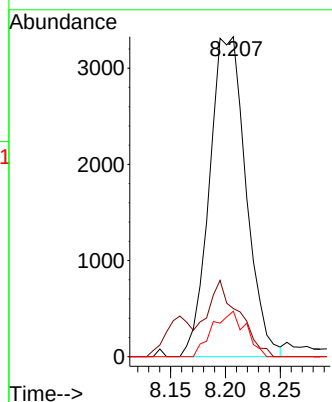
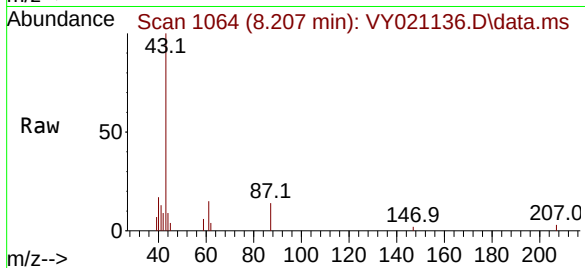
Tgt Ion: 43 Resp: 7704

Ion Ratio Lower Upper

43 100

61 21.1 24.8 37.2#

87 12.9 10.7 16.1



#44

Trichloroethene

Concen: 3.598 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. -0.006 min

Lab File: VY021136.D

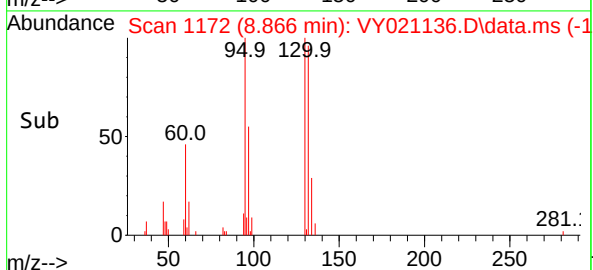
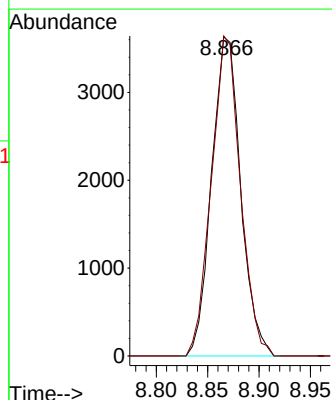
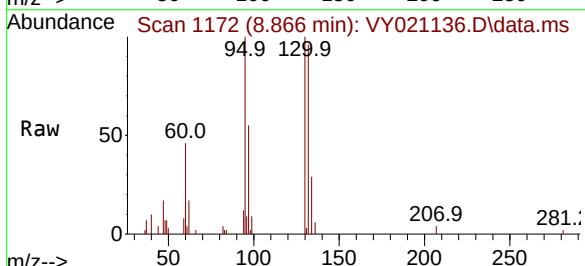
Acq: 07 Feb 2025 13:30

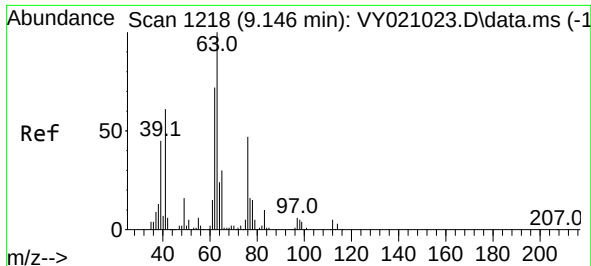
Tgt Ion:130 Resp: 7140

Ion Ratio Lower Upper

130 100

95 100.3 0.0 203.8





#45

1,2-Dichloropropane

Concen: 3.532 ug/l

RT: 9.146 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

Instrument :

MSVOA_Y

ClientSampleId :

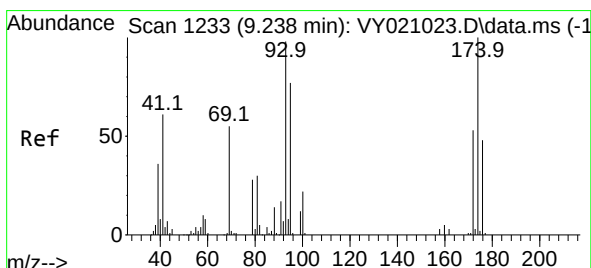
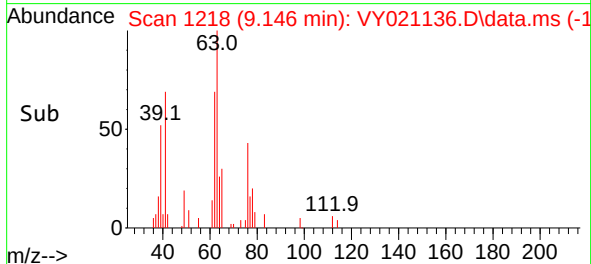
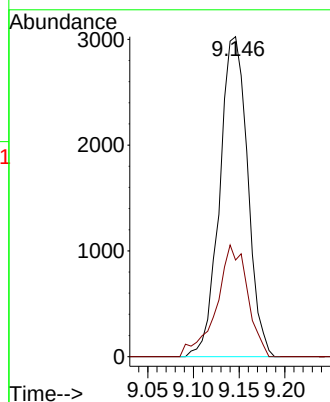
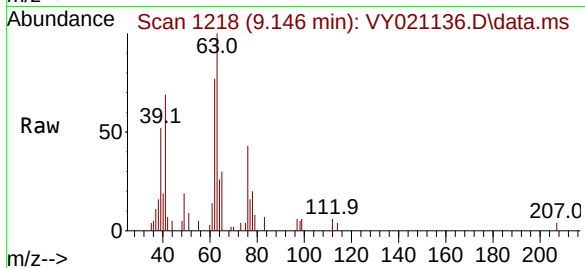
MDL-SOIL-03-QT1-2025

Tgt Ion: 63 Resp: 6439

Ion Ratio Lower Upper

63 100

65 30.2 24.6 36.8



#46

Dibromomethane

Concen: 3.400 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.006 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

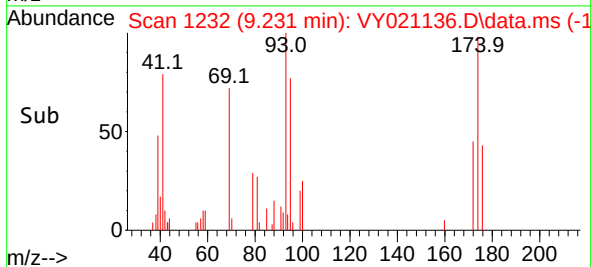
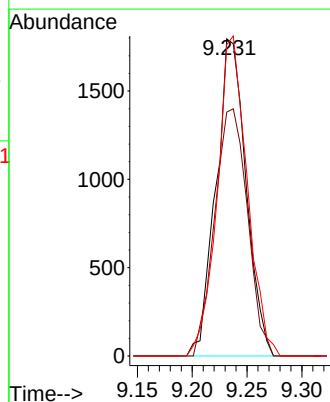
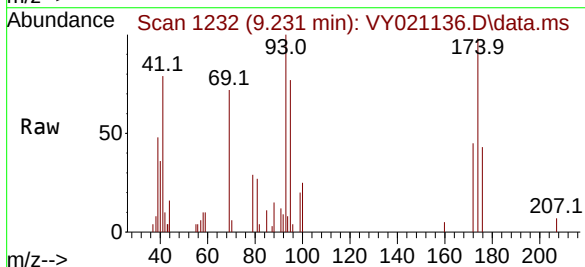
Tgt Ion: 93 Resp: 3432

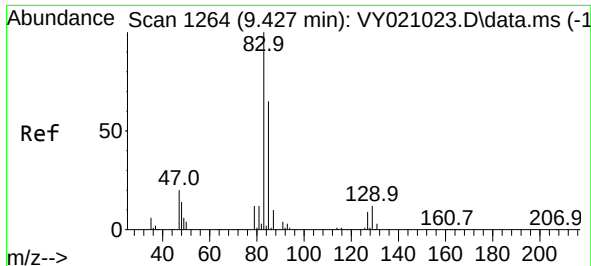
Ion Ratio Lower Upper

93 100

95 84.6 66.6 99.8

174 100.1 73.8 110.6





#47

Bromodichloromethane

Concen: 3.469 ug/l

RT: 9.427 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

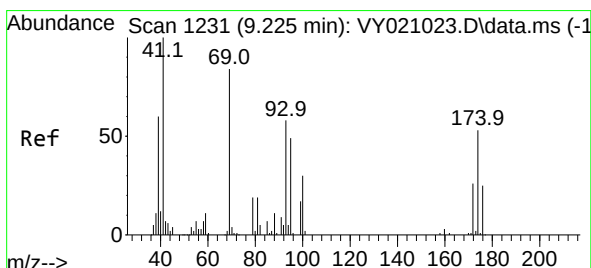
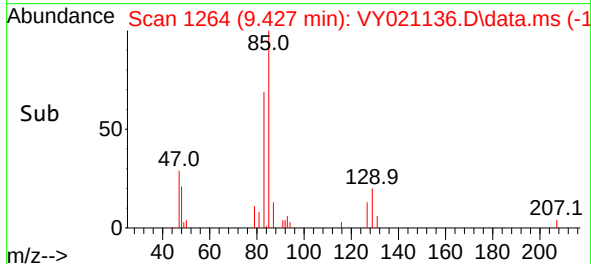
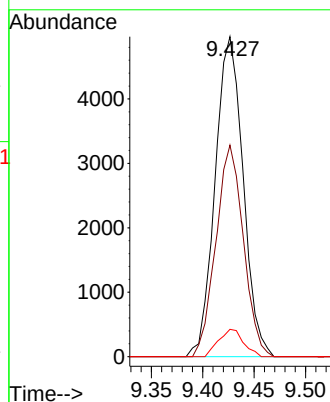
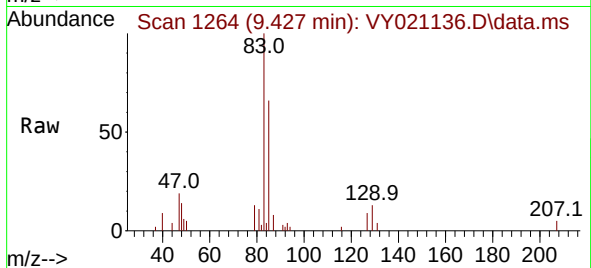
Tgt Ion: 83 Resp: 9391

Ion Ratio Lower Upper

83 100

85 66.1 53.2 79.8

127 8.5 6.4 9.6



#48

Methyl methacrylate

Concen: 2.997 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

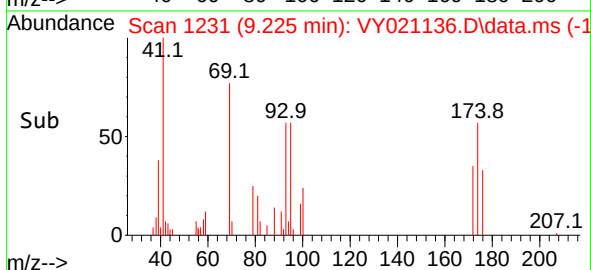
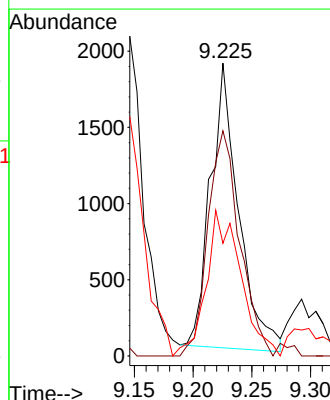
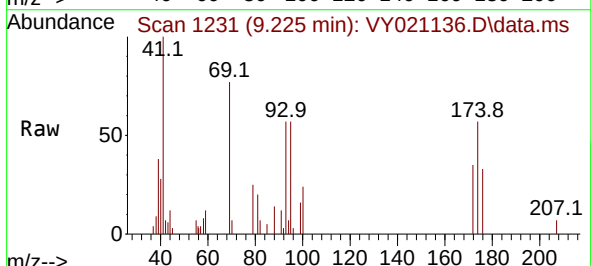
Tgt Ion: 41 Resp: 3114

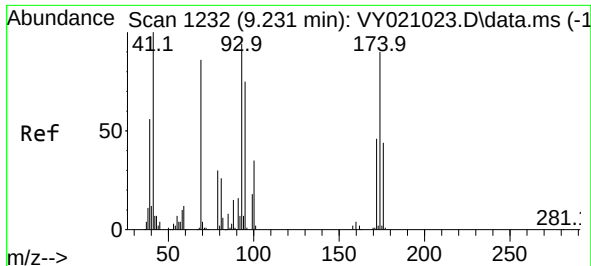
Ion Ratio Lower Upper

41 100

69 89.3 72.1 108.1

39 61.7 42.8 64.2





#49

1,4-Dioxane

Concen: 61.304 ug/l

RT: 9.238 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY021136.D

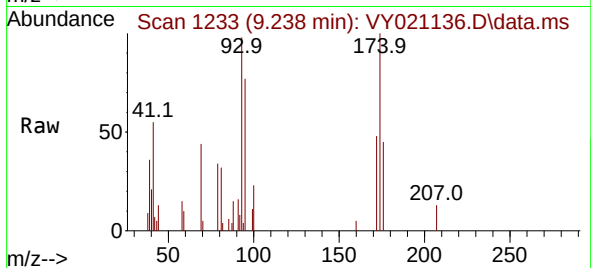
Acq: 07 Feb 2025 13:30

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025



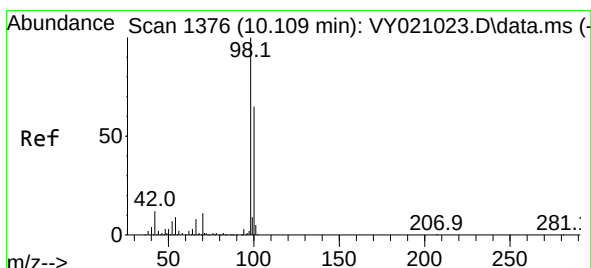
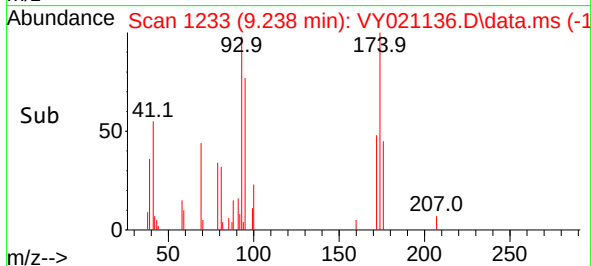
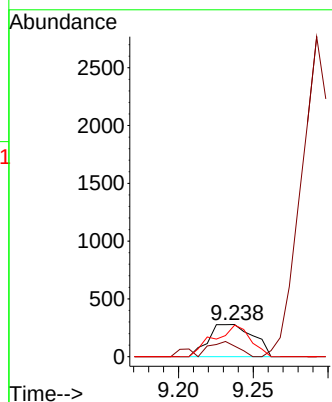
Tgt Ion: 88 Resp: 576

Ion Ratio Lower Upper

88 100

43 30.0 28.2 42.4

58 80.4 52.2 78.2#



#50

Toluene-d8

Concen: 44.476 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021136.D

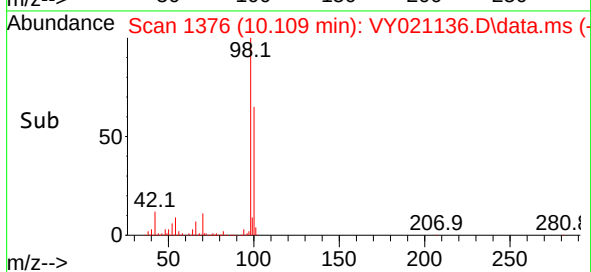
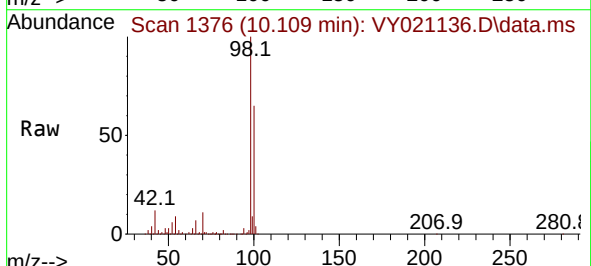
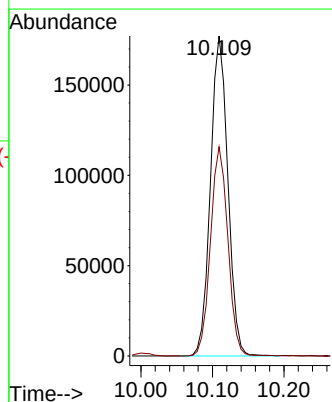
Acq: 07 Feb 2025 13:30

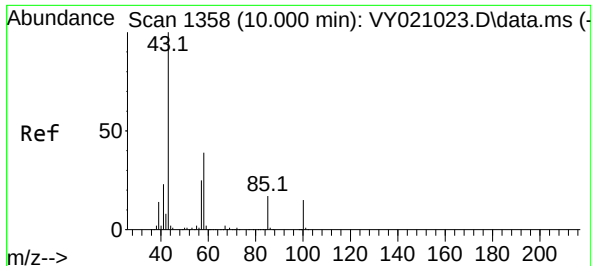
Tgt Ion: 98 Resp: 299175

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5

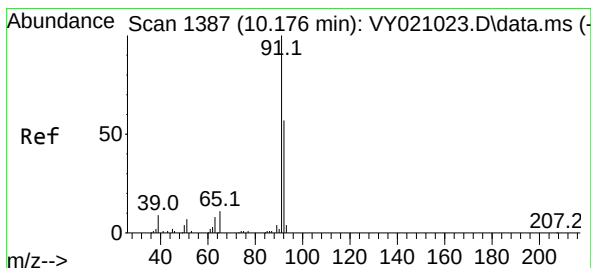
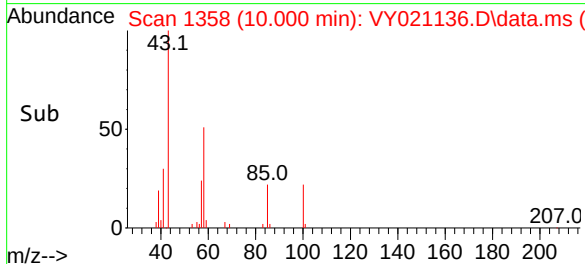
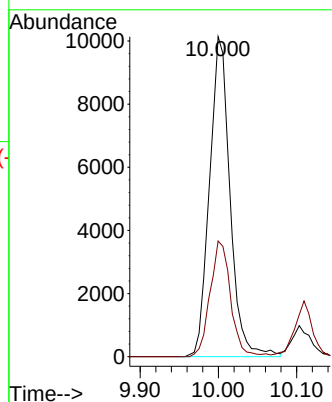
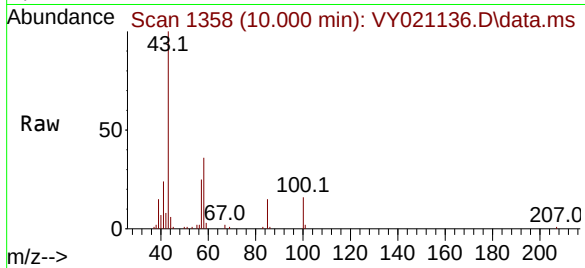




#51
4-Methyl-2-Pentanone
Concen: 16.067 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

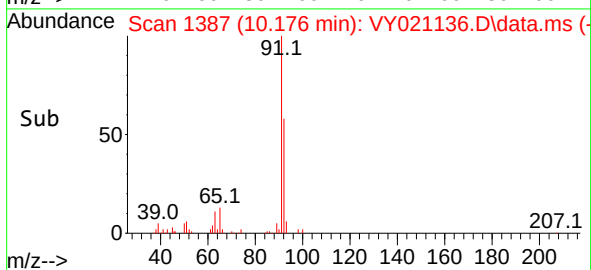
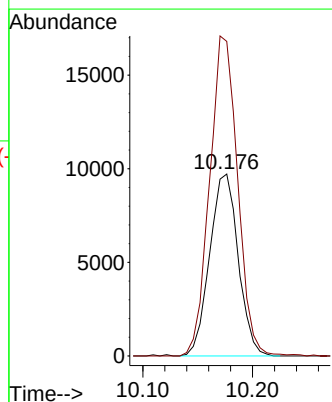
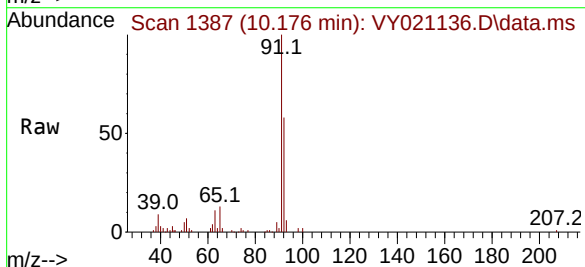
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

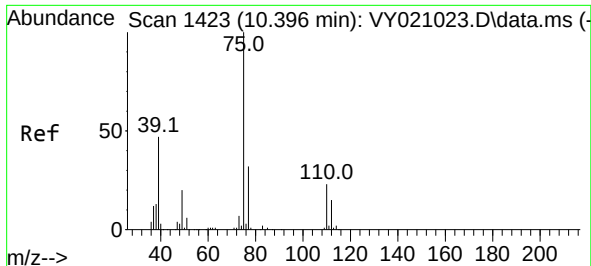
Tgt Ion: 43 Resp: 18432
Ion Ratio Lower Upper
43 100
58 36.0 32.2 48.2



#52
Toluene
Concen: 3.642 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion: 92 Resp: 17564
Ion Ratio Lower Upper
92 100
91 172.9 137.6 206.4

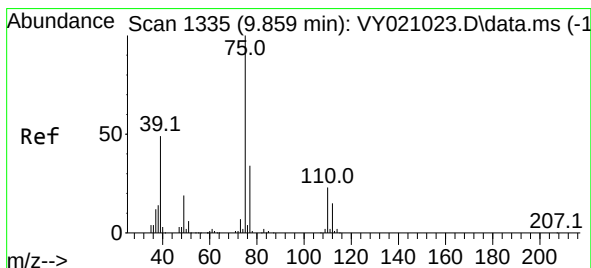
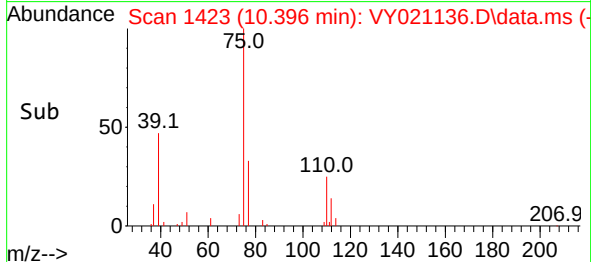
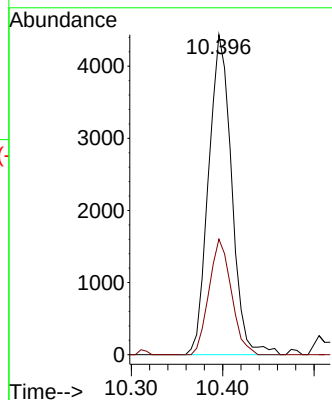
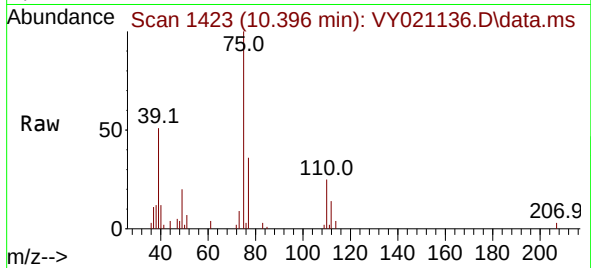




#53
t-1,3-Dichloropropene
Concen: 3.198 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

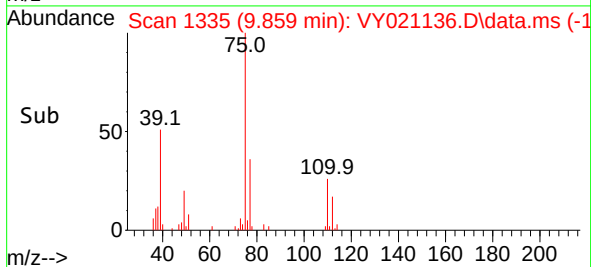
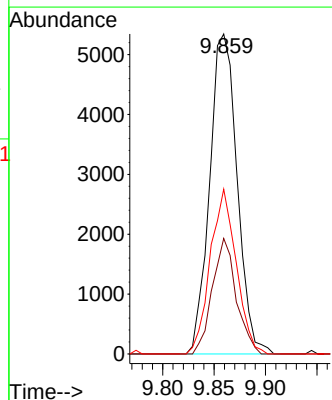
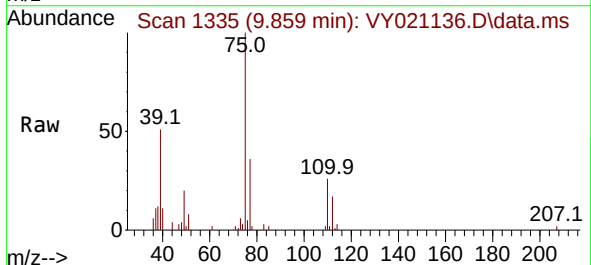
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025

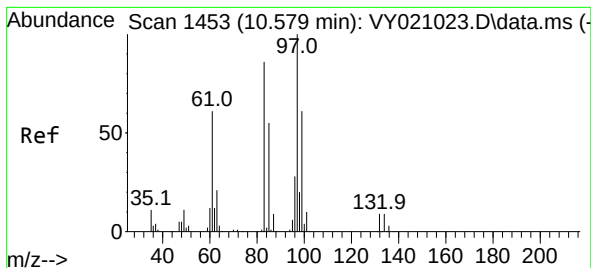
Tgt Ion: 75 Resp: 7774
Ion Ratio Lower Upper
75 100
77 36.1 24.6 36.8



#54
cis-1,3-Dichloropropene
Concen: 3.453 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion: 75 Resp: 9936
Ion Ratio Lower Upper
75 100
77 36.1 24.6 36.8
39 51.5 33.6 50.4#





#55

1,1,2-Trichloroethane

Concen: 3.797 ug/l

RT: 10.579 min Scan# 1453

Delta R.T. -0.000 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 97 Resp: 4962

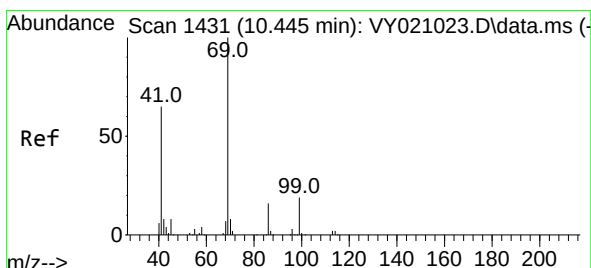
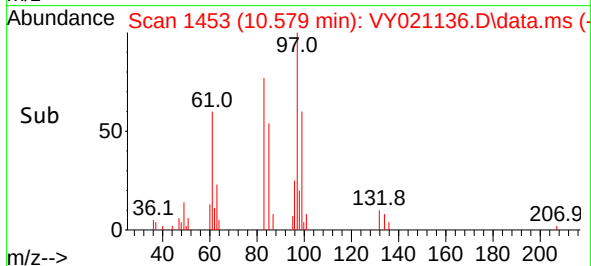
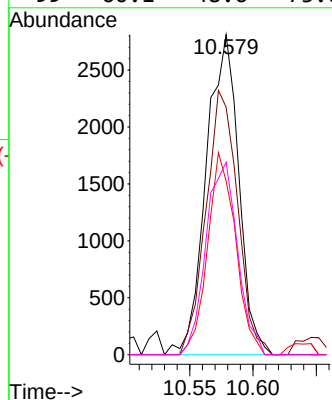
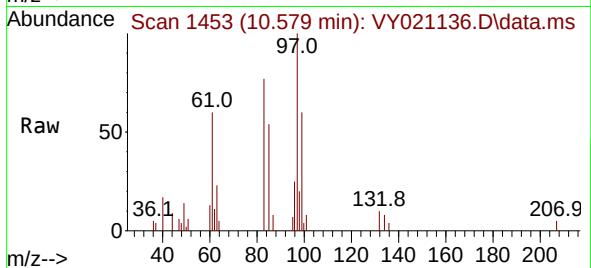
Ion Ratio Lower Upper

97 100

83 77.3 69.4 104.2

85 54.3 43.9 65.9

99 60.1 48.6 73.0



#56

Ethyl methacrylate

Concen: 2.983 ug/l

RT: 10.439 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

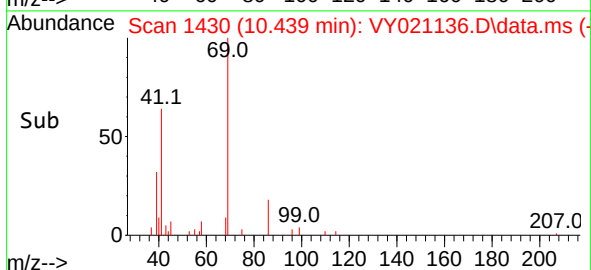
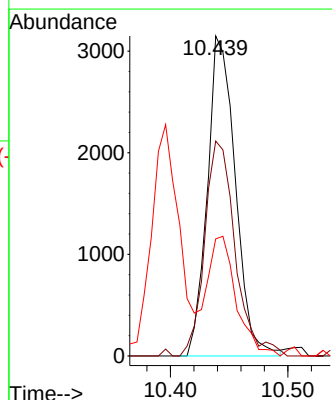
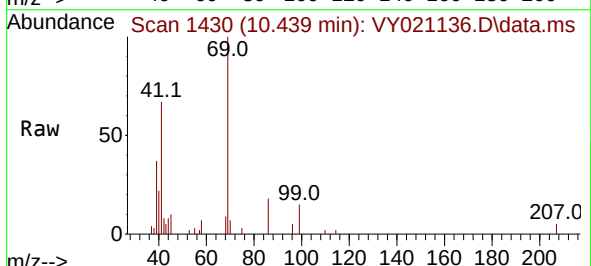
Tgt Ion: 69 Resp: 5215

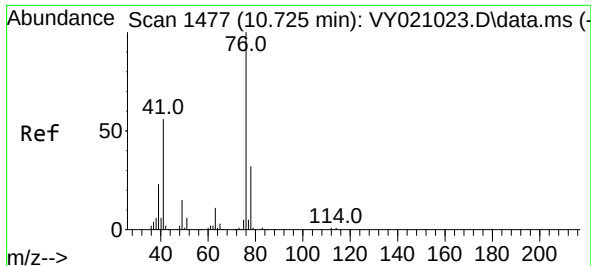
Ion Ratio Lower Upper

69 100

41 73.1 49.2 73.8

39 39.5 26.8 40.2

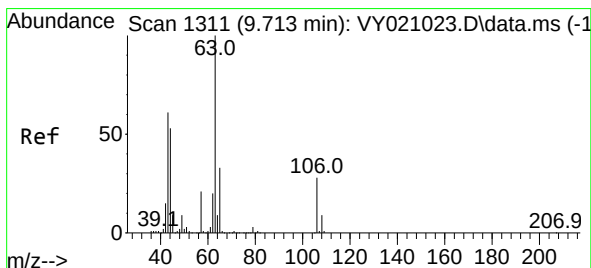
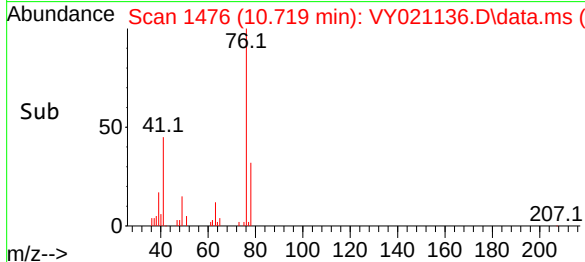
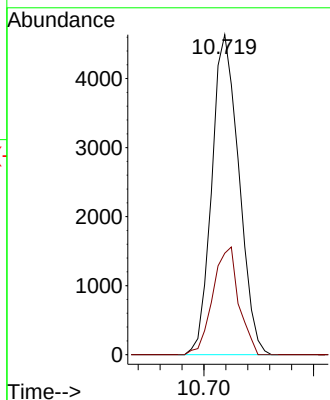
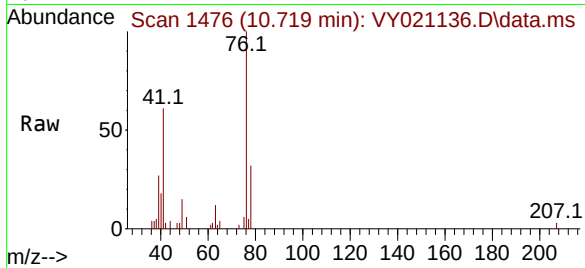




#57
1,3-Dichloropropane
Concen: 3.513 ug/l
RT: 10.719 min Scan# 1477
Delta R.T. -0.006 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

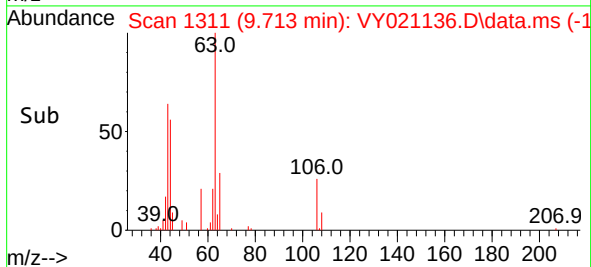
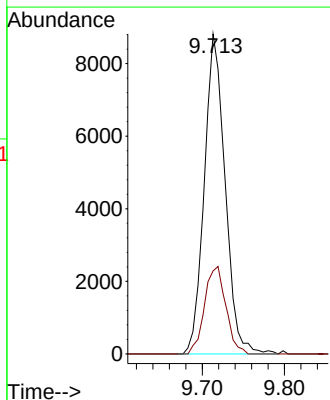
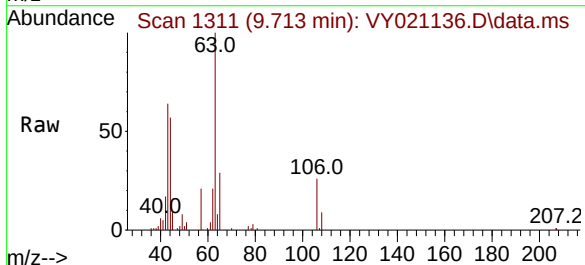
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025

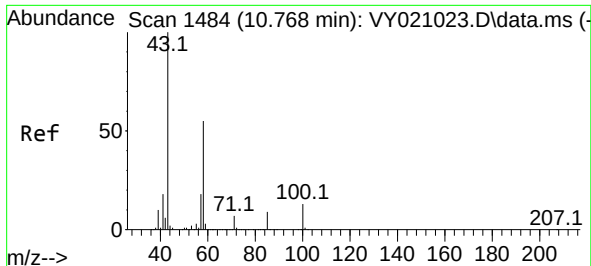
Tgt Ion: 76 Resp: 7947
Ion Ratio Lower Upper
76 100
78 32.2 26.1 39.1



#58
2-Chloroethyl Vinyl ether
Concen: 18.656 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion: 63 Resp: 15518
Ion Ratio Lower Upper
63 100
106 27.9 22.4 33.6

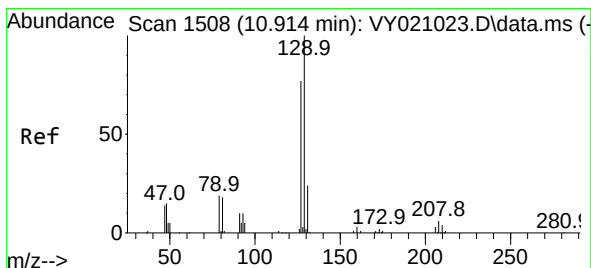
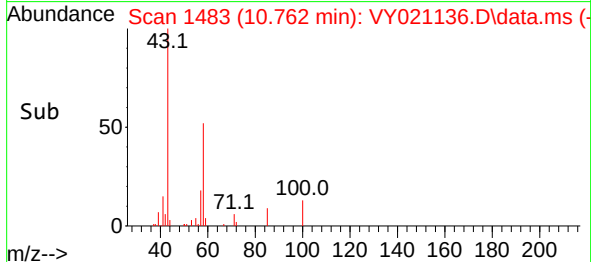
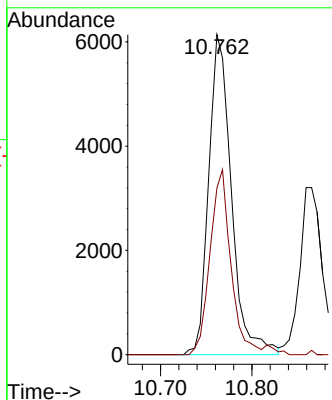
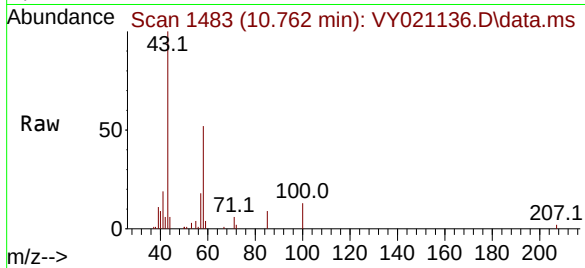




#59
2-Hexanone
Concen: 14.400 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. -0.006 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

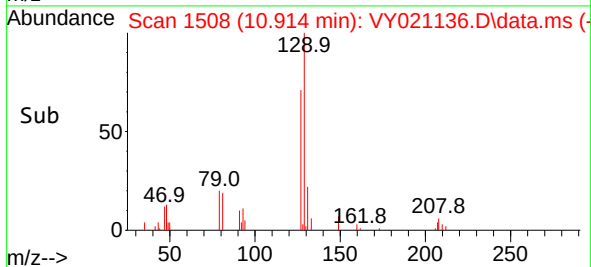
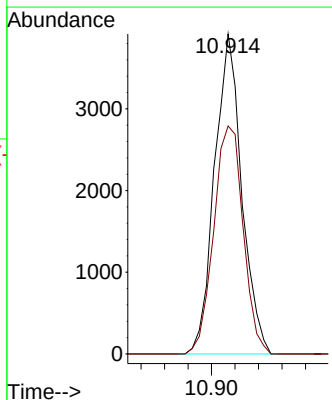
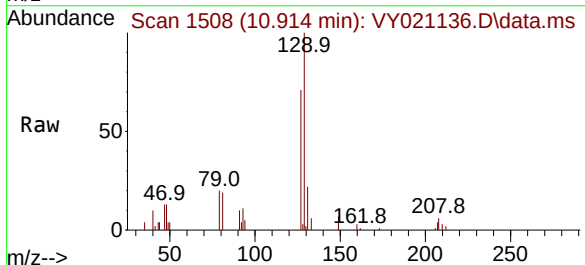
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025

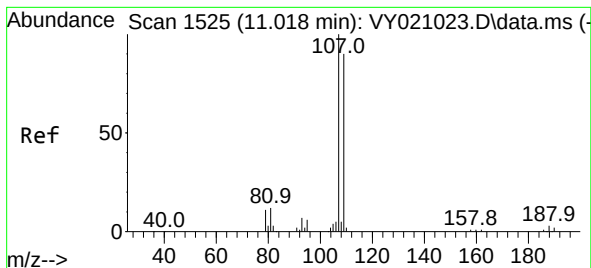
Tgt Ion: 43 Resp: 10636
Ion Ratio Lower Upper
43 100
58 52.9 28.1 84.3



#60
Dibromochloromethane
Concen: 3.427 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion: 129 Resp: 6290
Ion Ratio Lower Upper
129 100
127 77.0 39.2 117.6





#61

1,2-Dibromoethane

Concen: 3.348 ug/l

RT: 11.018 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

Instrument :

MSVOA_Y

ClientSampleId :

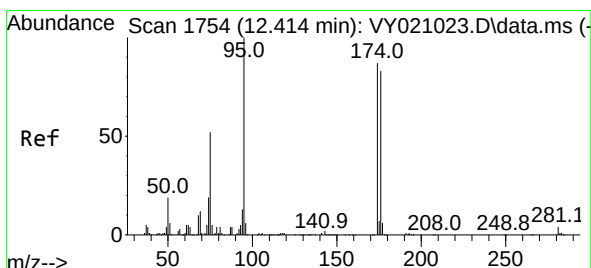
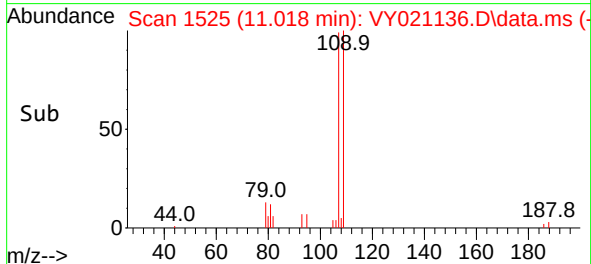
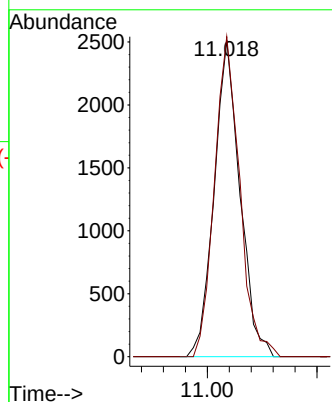
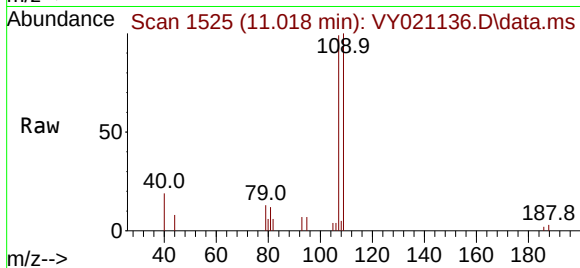
MDL-SOIL-03-QT1-2025

Tgt Ion:107 Resp: 4099

Ion Ratio Lower Upper

107 100

109 99.3 75.4 113.2



#62

4-Bromofluorobenzene

Concen: 43.026 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.006 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

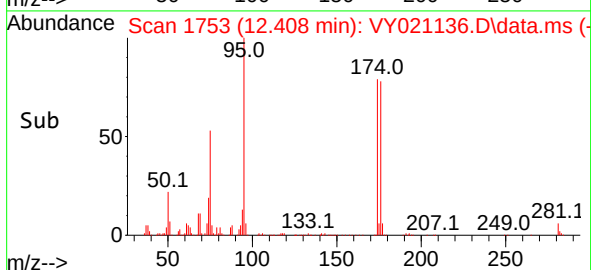
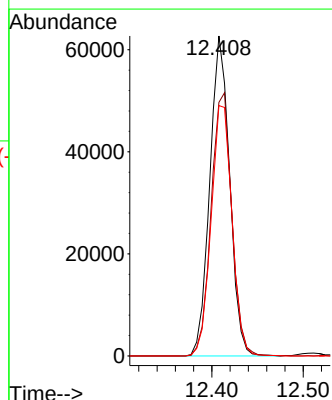
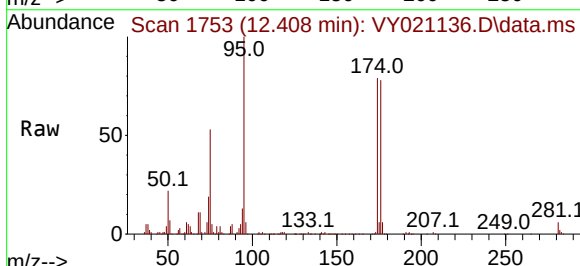
Tgt Ion: 95 Resp: 94551

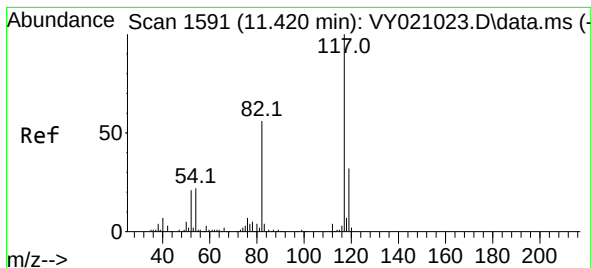
Ion Ratio Lower Upper

95 100

174 85.6 0.0 160.0

176 82.3 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

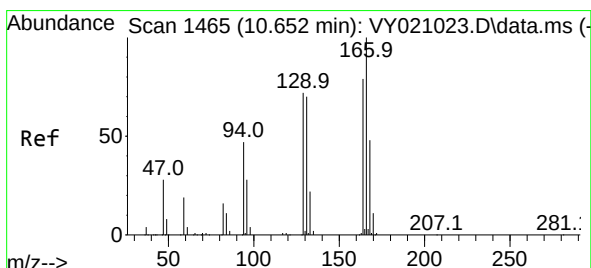
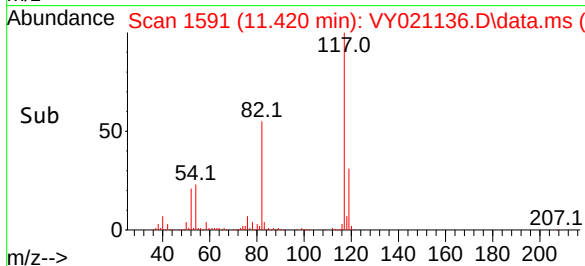
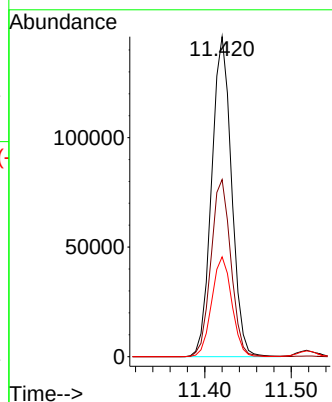
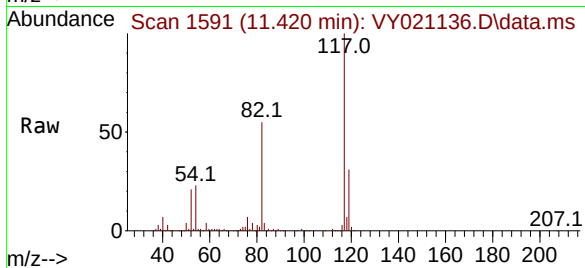
Tgt Ion:117 Resp: 233055

Ion Ratio Lower Upper

117 100

82 55.4 43.8 65.8

119 31.2 26.5 39.7



#64

Tetrachloroethene

Concen: 3.818 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

Tgt Ion:164 Resp: 6605

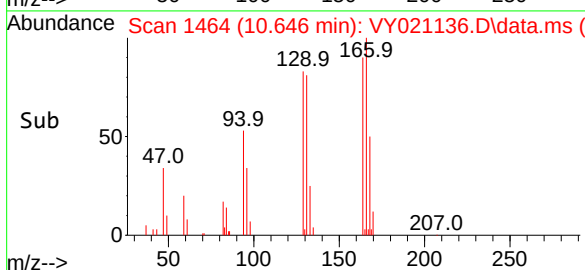
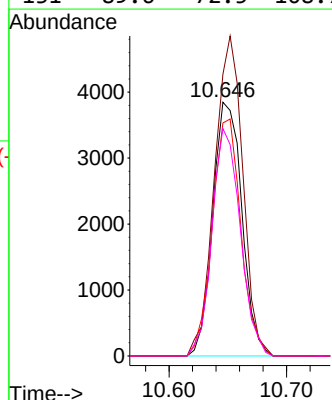
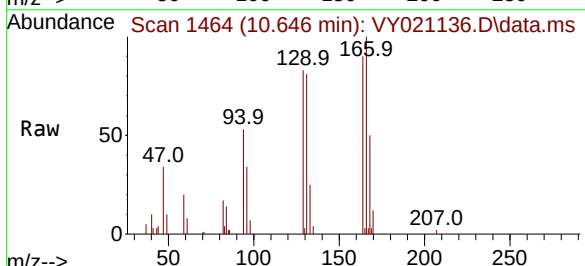
Ion Ratio Lower Upper

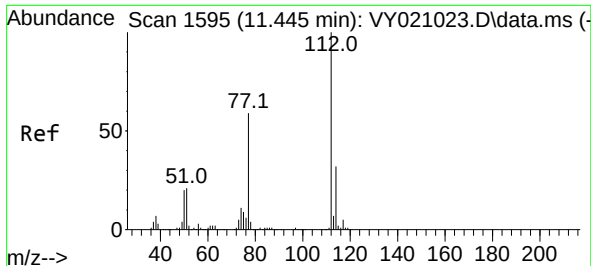
164 100

166 111.1 98.8 148.2

129 91.8 78.9 118.3

131 89.6 72.5 108.7

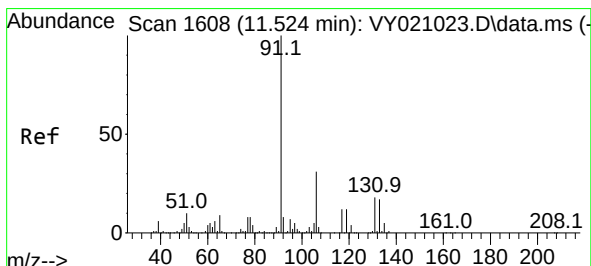
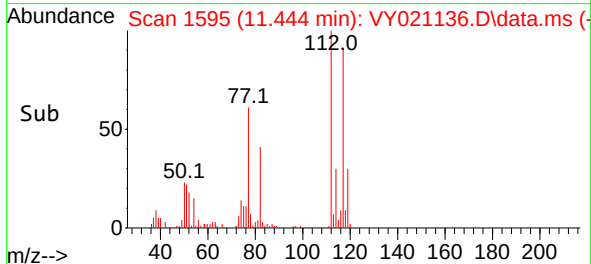
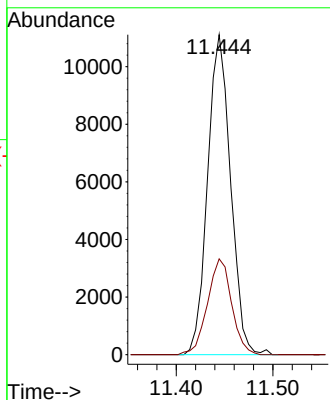
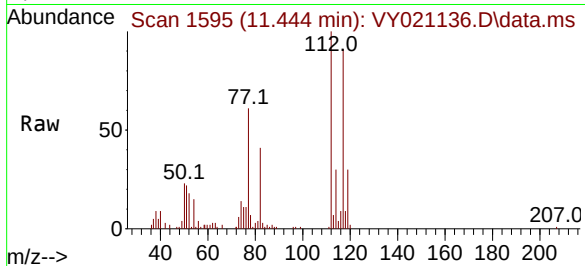




#65
Chlorobenzene
Concen: 3.537 ug/l
RT: 11.444 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

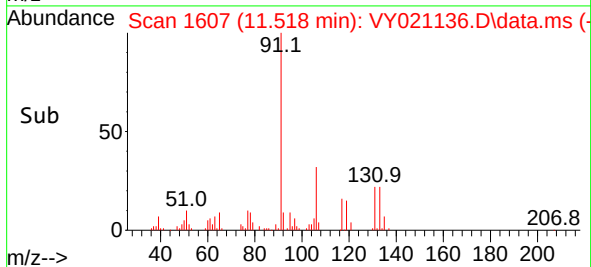
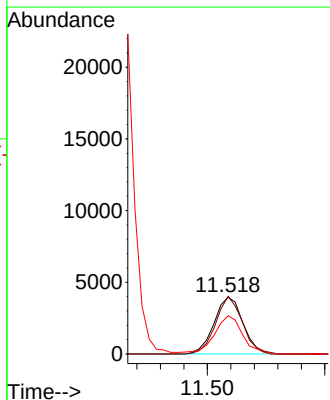
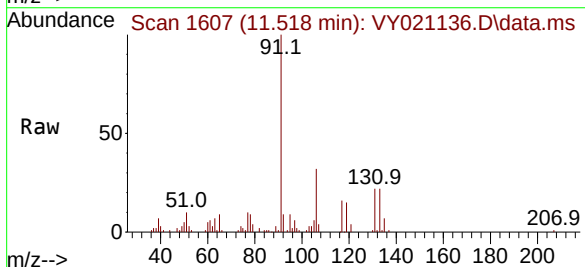
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

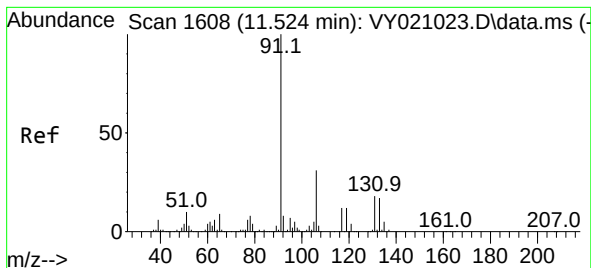
Tgt Ion:112 Resp: 18356
Ion Ratio Lower Upper
112 100
114 30.0 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 3.649 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.006 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion:131 Resp: 6729
Ion Ratio Lower Upper
131 100
133 94.0 47.0 141.0
119 65.6 33.3 99.9





#67

Ethyl Benzene

Concen: 3.412 ug/l

RT: 11.524 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

Instrument :

MSVOA_Y

ClientSampleId :

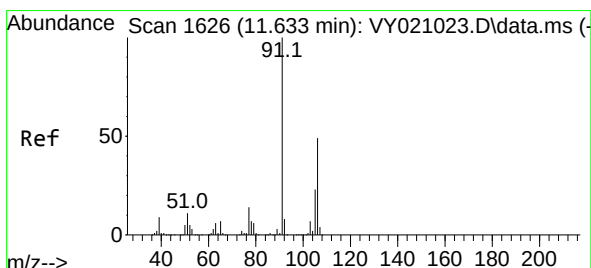
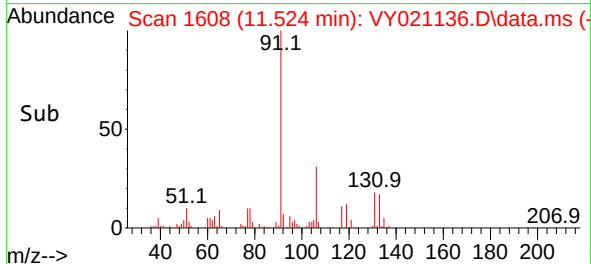
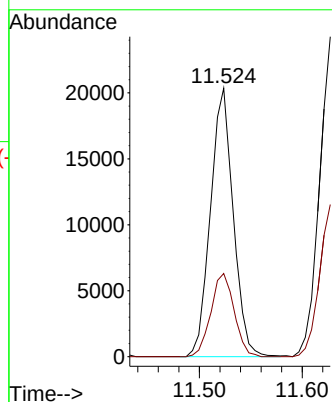
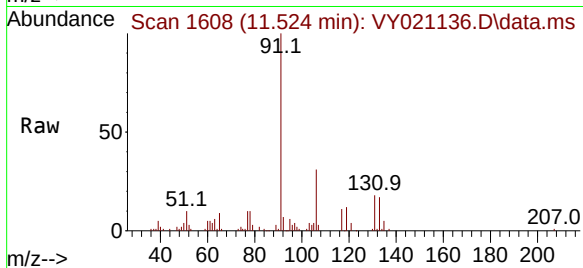
MDL-SOIL-03-QT1-2025

Tgt Ion: 91 Resp: 31318

Ion Ratio Lower Upper

91 100

106 31.0 25.0 37.4



#68

m/p-Xylenes

Concen: 6.774 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. -0.000 min

Lab File: VY021136.D

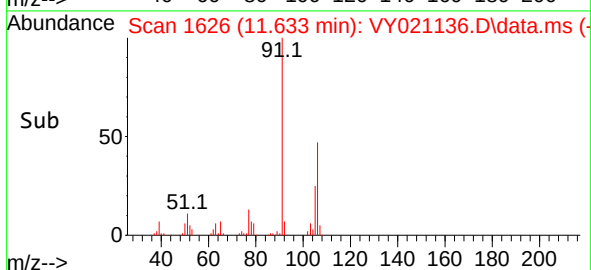
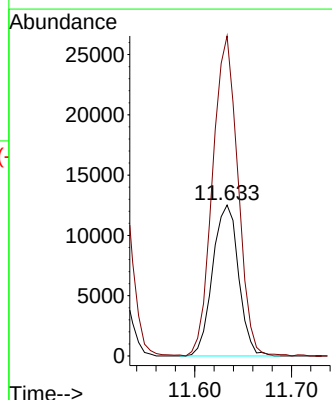
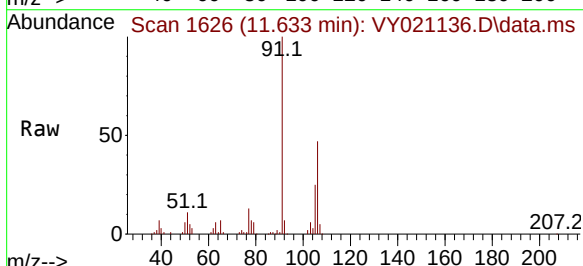
Acq: 07 Feb 2025 13:30

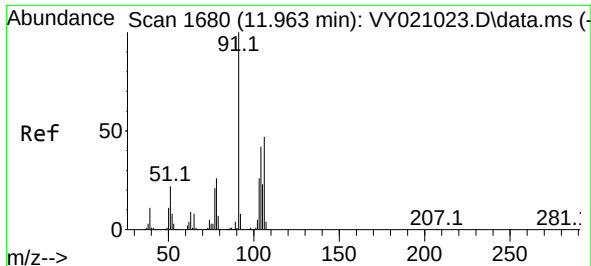
Tgt Ion:106 Resp: 23260

Ion Ratio Lower Upper

106 100

91 207.4 160.7 241.1

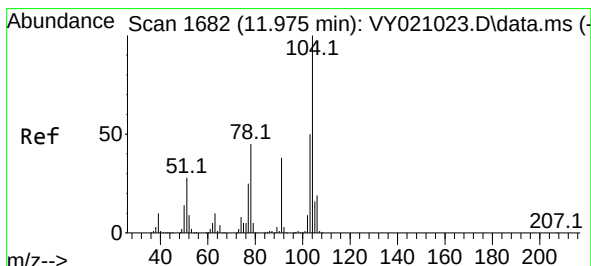
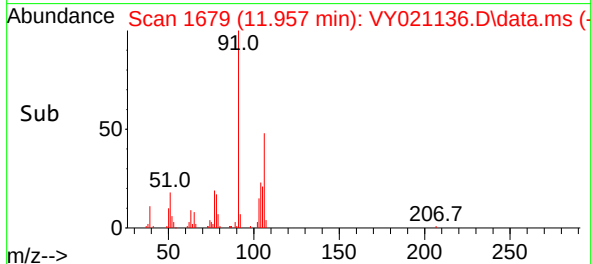
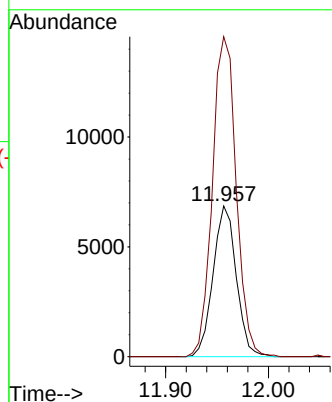
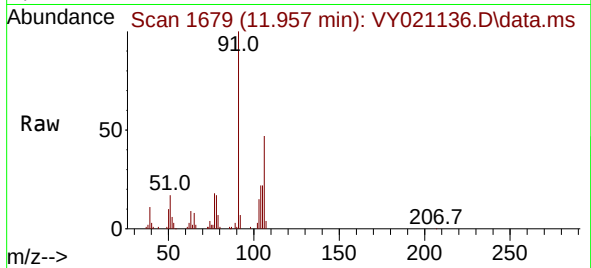




#69
o-Xylene
Concen: 3.357 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. -0.006 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

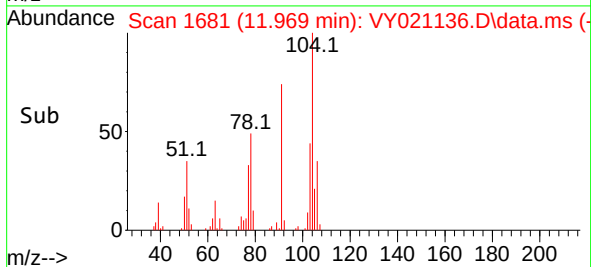
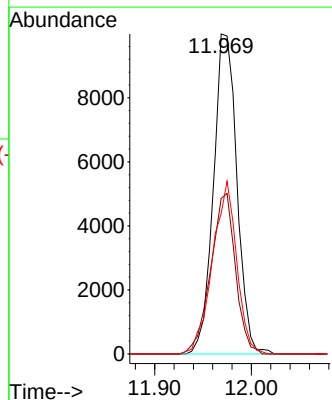
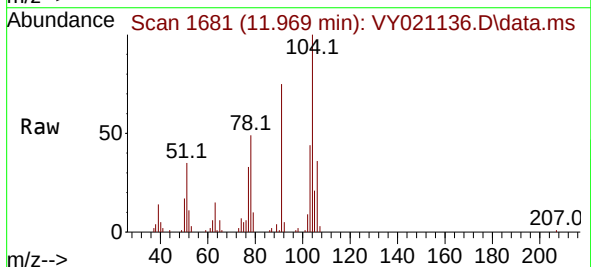
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

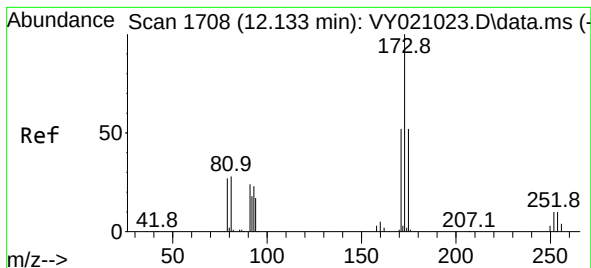
Tgt Ion:106 Resp: 10746
Ion Ratio Lower Upper
106 100
91 218.0 106.5 319.5



#70
Styrene
Concen: 3.155 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion:104 Resp: 16836
Ion Ratio Lower Upper
104 100
78 52.9 39.2 58.8
103 55.7 43.8 65.6





#71

Bromoform

Concen: 3.428 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. -0.000 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

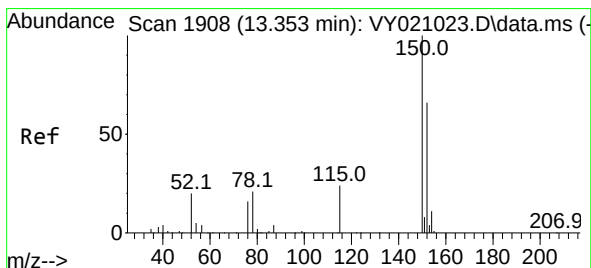
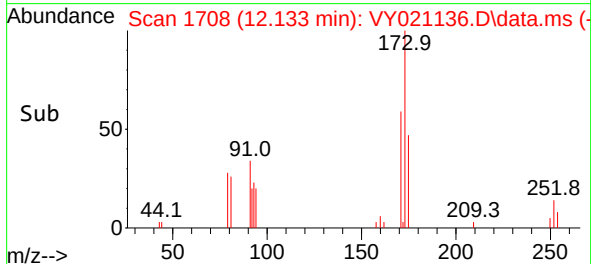
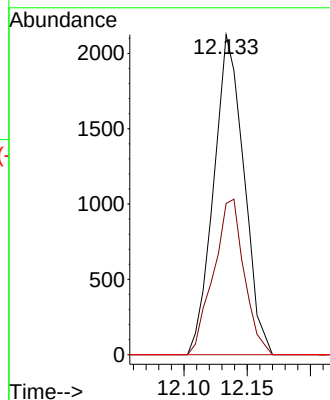
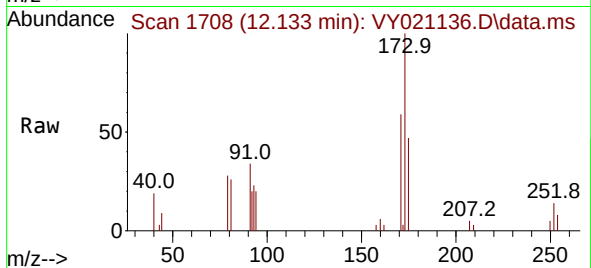
Tgt Ion:173 Resp: 3519

Ion Ratio Lower Upper

173 100

175 49.3 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: VY021136.D

Acq: 07 Feb 2025 13:30

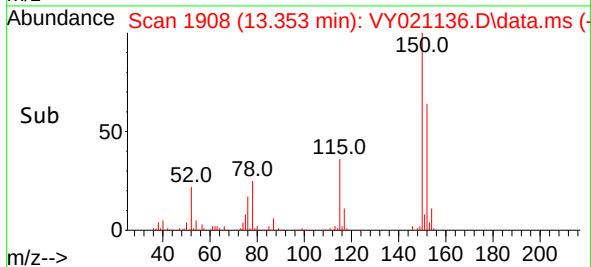
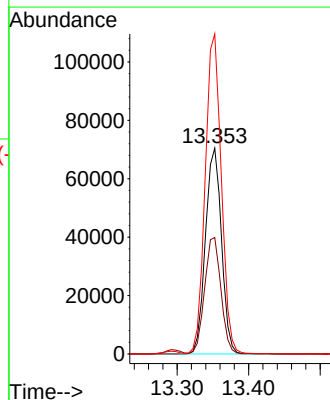
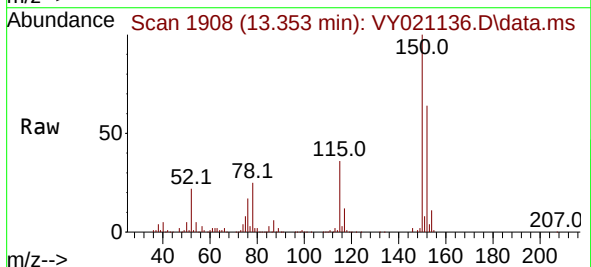
Tgt Ion:152 Resp: 109875

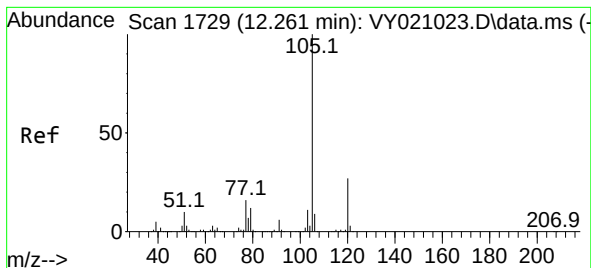
Ion Ratio Lower Upper

152 100

115 57.4 30.0 90.0

150 156.0 0.0 344.6





#73

Isopropylbenzene

Concen: 3.297 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.006 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

Instrument :

MSVOA_Y

ClientSampleId :

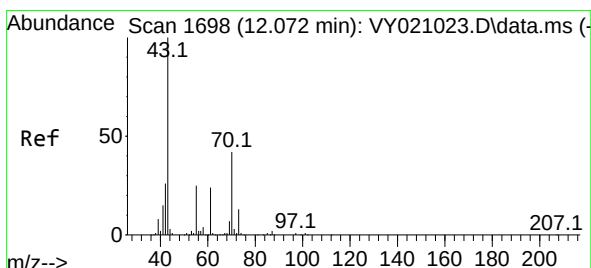
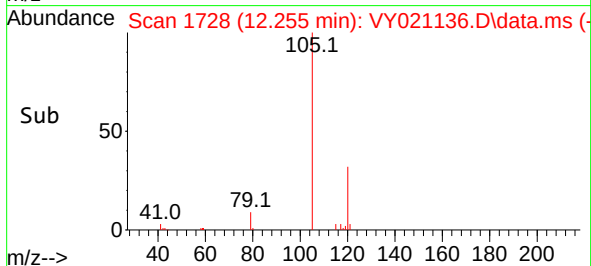
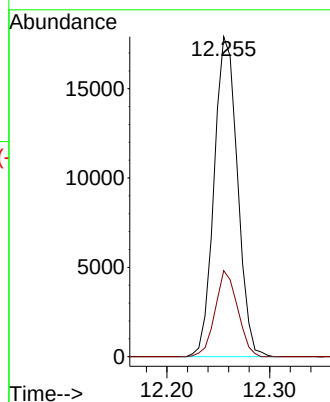
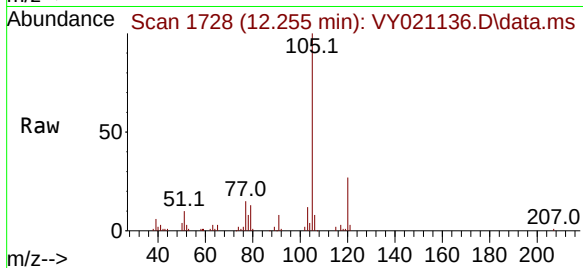
MDL-SOIL-03-QT1-2025

Tgt Ion:105 Resp: 28300

Ion Ratio Lower Upper

105 100

120 25.9 13.0 39.0



#74

N-ethyl acetate

Concen: 2.970 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

Tgt Ion: 43 Resp: 5573

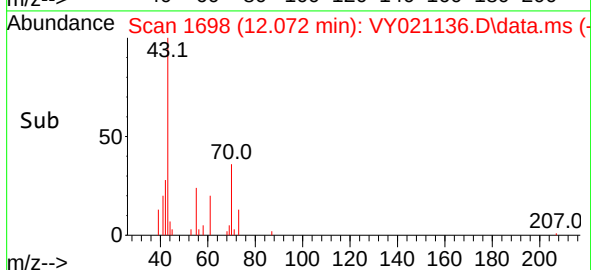
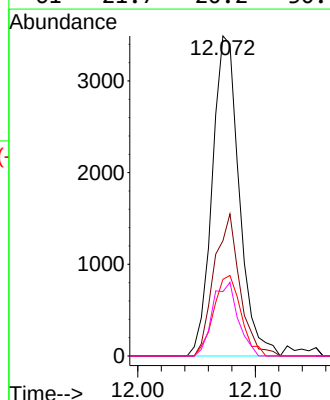
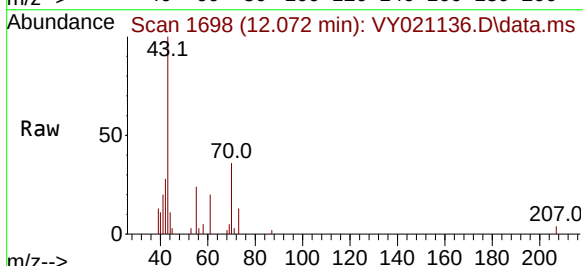
Ion Ratio Lower Upper

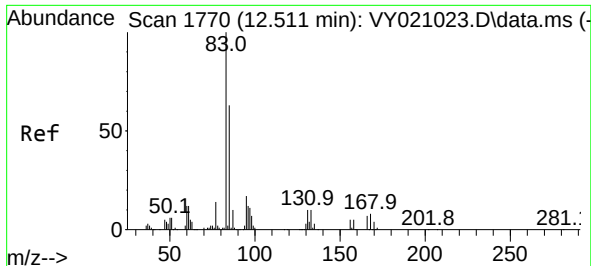
43 100

70 42.3 36.6 55.0

55 25.2 22.2 33.4

61 21.7 20.2 30.4

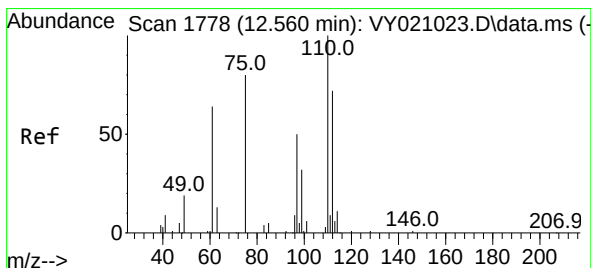
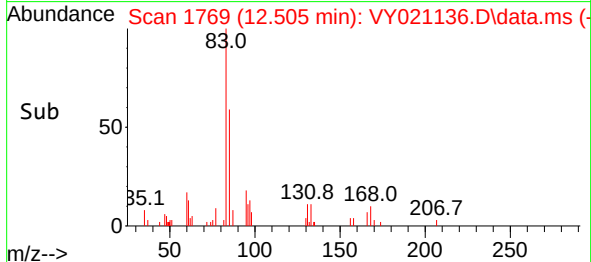
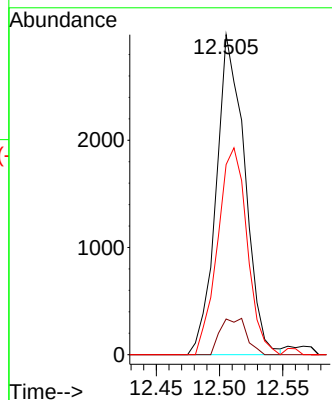
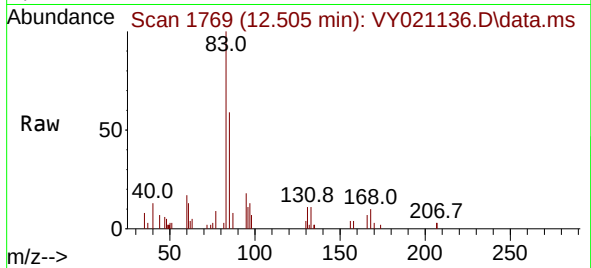




#75
1,1,2,2-Tetrachloroethane
Concen: 3.282 ug/l
RT: 12.505 min Scan# 1770
Delta R.T. -0.006 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

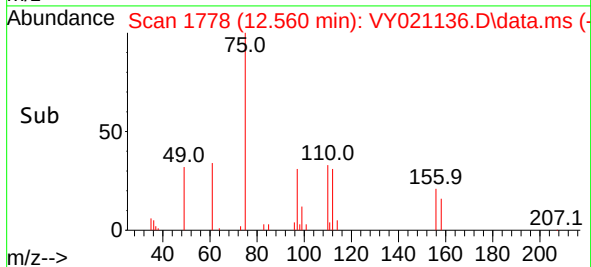
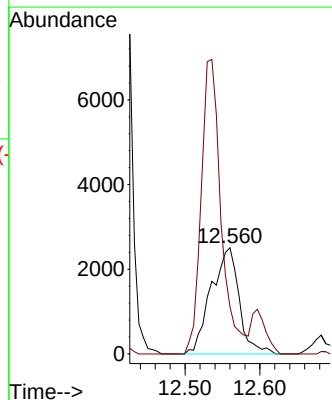
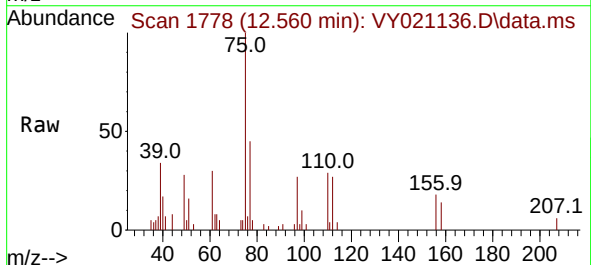
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

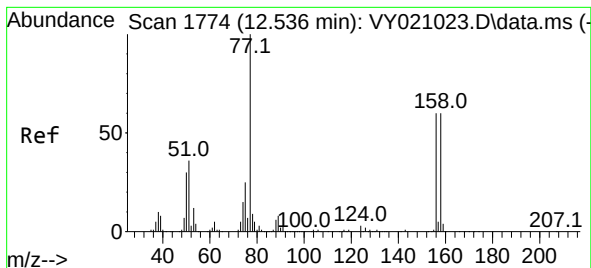
Tgt Ion: 83 Resp: 4685
Ion Ratio Lower Upper
83 100
131 10.5 4.9 14.6
85 66.9 32.6 98.0



#76
1,2,3-Trichloropropane
Concen: 6.581 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion: 75 Resp: 6559
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 3.545 ug/l

RT: 12.536 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

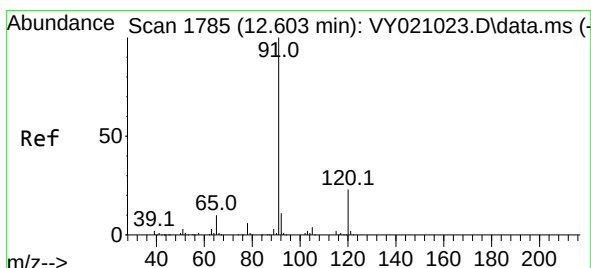
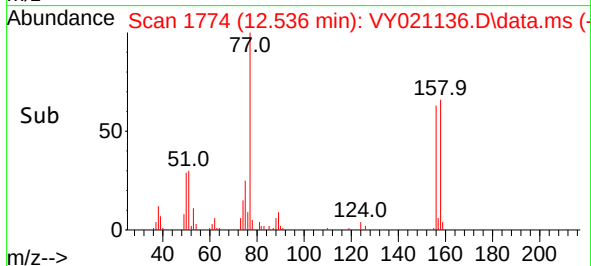
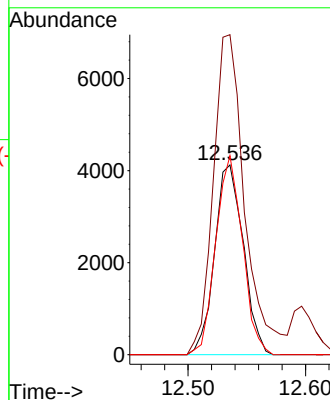
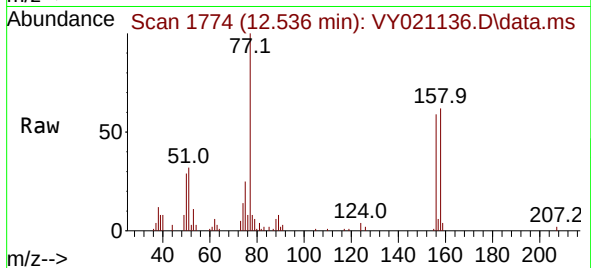
Tgt Ion:156 Resp: 7022

Ion Ratio Lower Upper

156 100

77 184.5 97.3 291.8

158 97.3 48.4 145.0



#78

n-propylbenzene

Concen: 3.510 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. -0.006 min

Lab File: VY021136.D

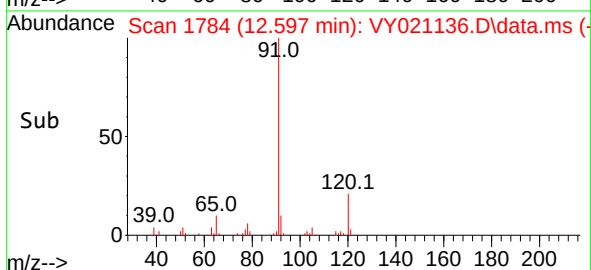
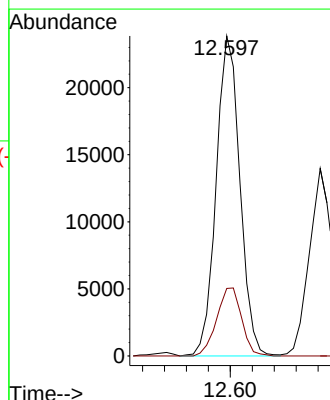
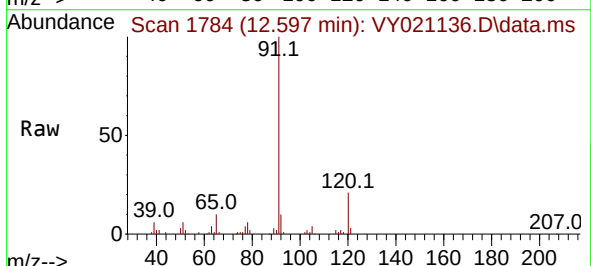
Acq: 07 Feb 2025 13:30

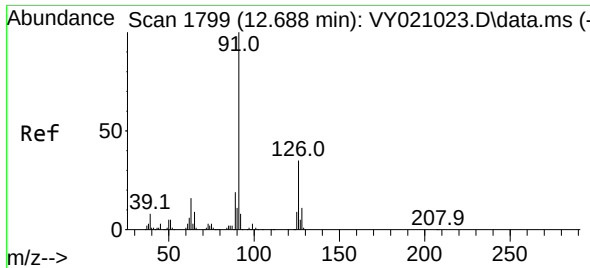
Tgt Ion: 91 Resp: 35888

Ion Ratio Lower Upper

91 100

120 22.3 11.0 33.0

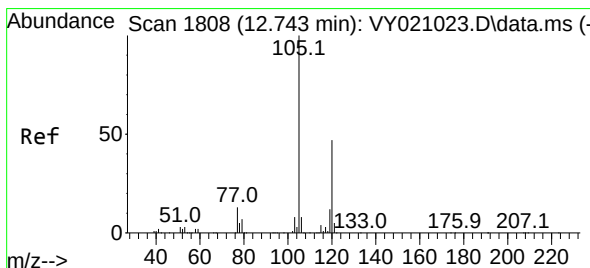
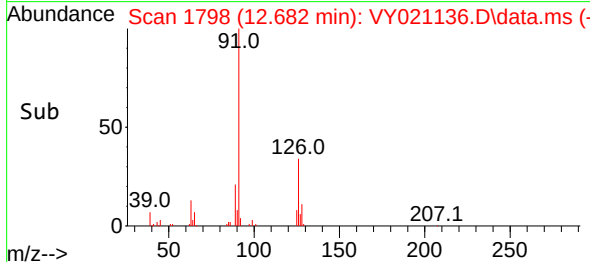
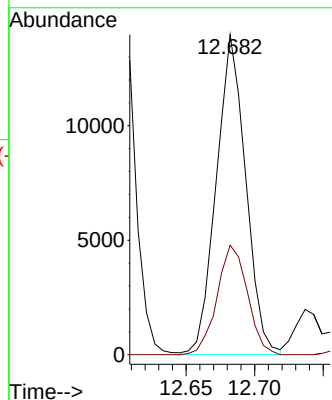
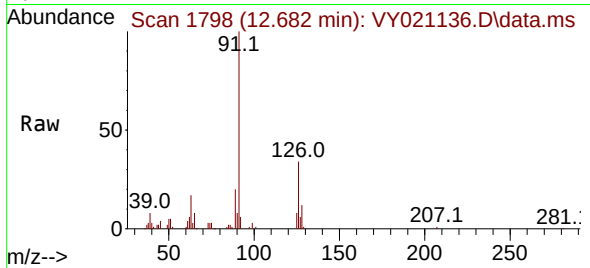




#79
2-Chlorotoluene
Concen: 3.566 ug/l
RT: 12.682 min Scan# 1799
Delta R.T. -0.006 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

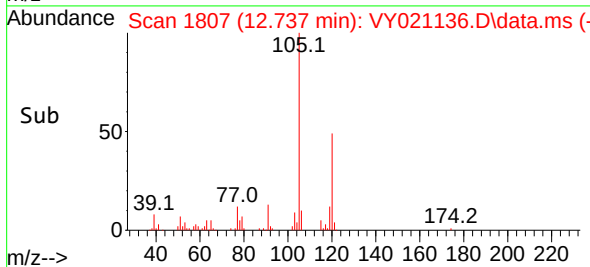
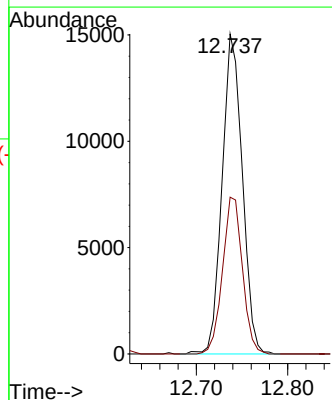
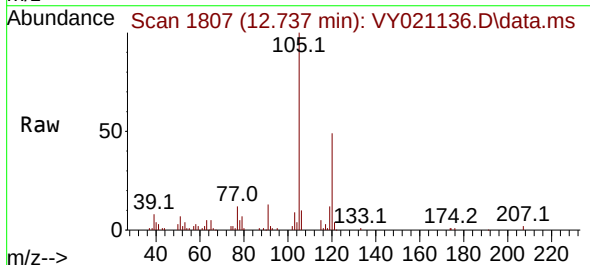
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

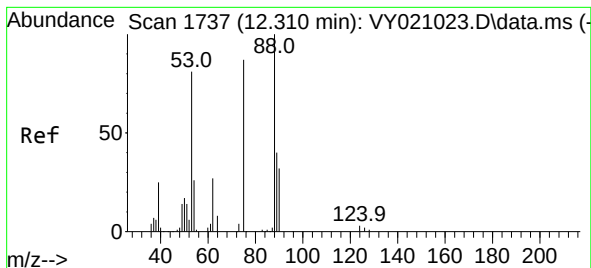
Tgt Ion: 91 Resp: 20880
Ion Ratio Lower Upper
91 100
126 35.2 17.0 51.0



#80
1,3,5-Trimethylbenzene
Concen: 3.322 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion: 105 Resp: 23120
Ion Ratio Lower Upper
105 100
120 48.4 24.3 72.8

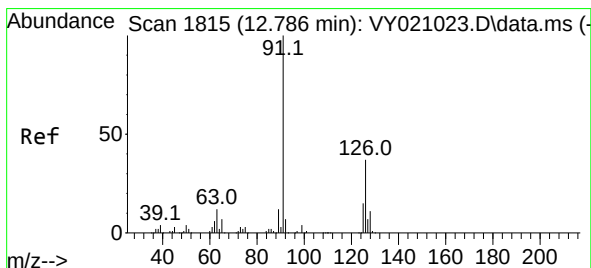
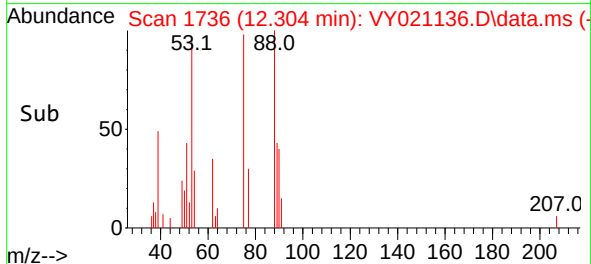
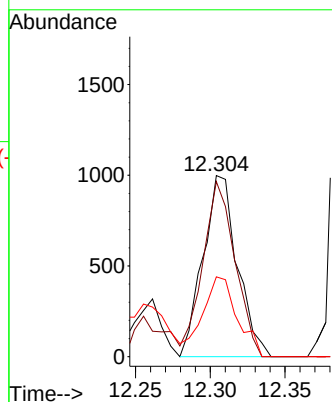
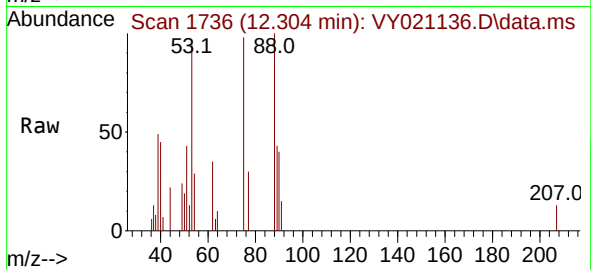




#81
trans-1,4-Dichloro-2-butene
Concen: 3.259 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.006 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

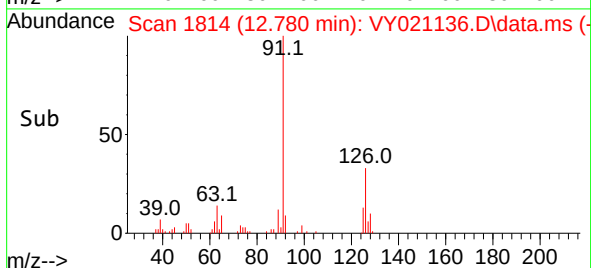
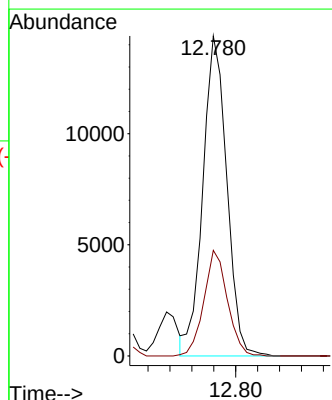
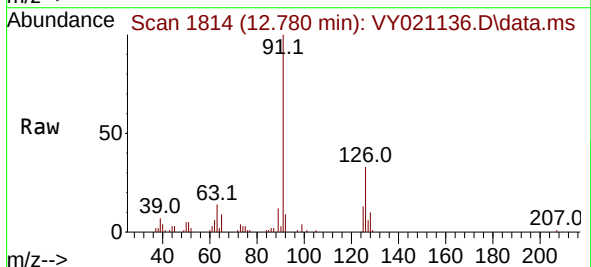
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

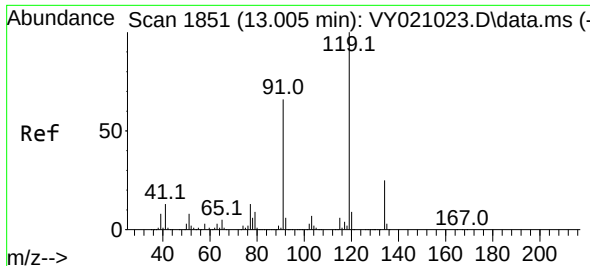
Tgt Ion: 75 Resp: 1592
Ion Ratio Lower Upper
75 100
53 90.7 74.0 111.0
89 44.7 36.5 54.7



#82
4-Chlorotoluene
Concen: 3.658 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. -0.006 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion: 91 Resp: 21827
Ion Ratio Lower Upper
91 100
126 32.5 17.1 51.2

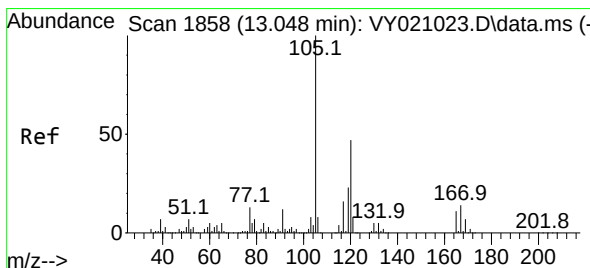
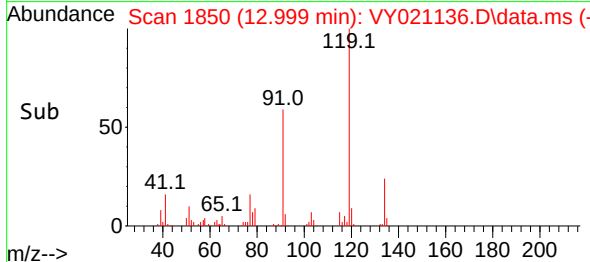
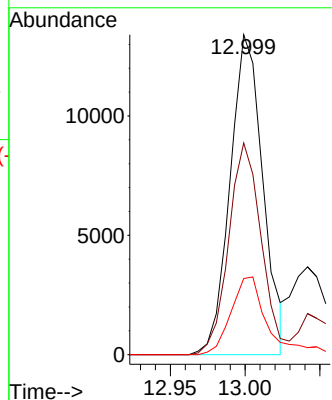
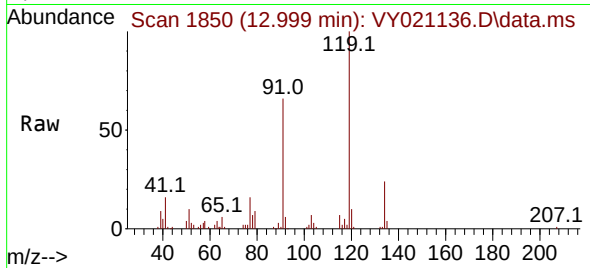




#83
tert-Butylbenzene
Concen: 3.238 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

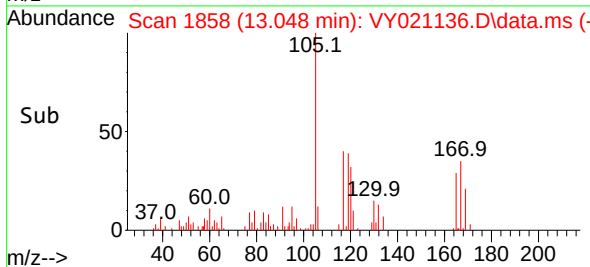
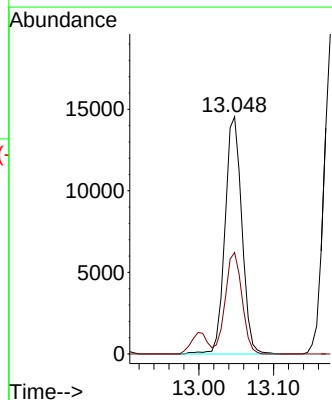
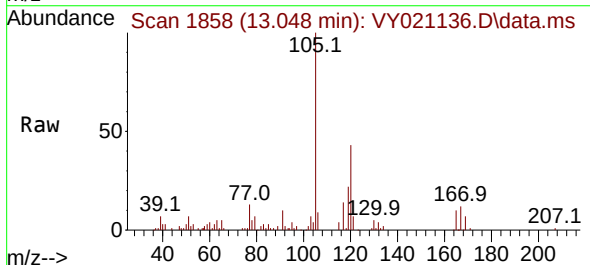
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

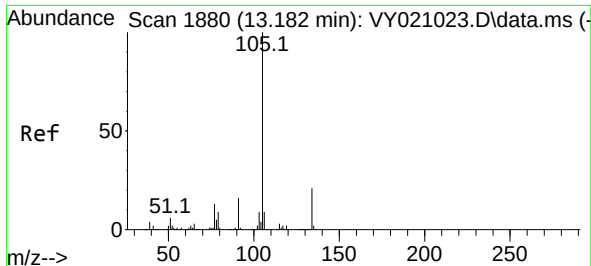
Tgt Ion:	119	Resp:	20478
Ion Ratio	Lower	Upper	
119	100		
91	65.9	31.5	94.5
134	26.8	13.1	39.3



#84
1,2,4-Trimethylbenzene
Concen: 3.351 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion:	105	Resp:	22801
Ion Ratio	Lower	Upper	
105	100		
120	42.6	22.1	66.3

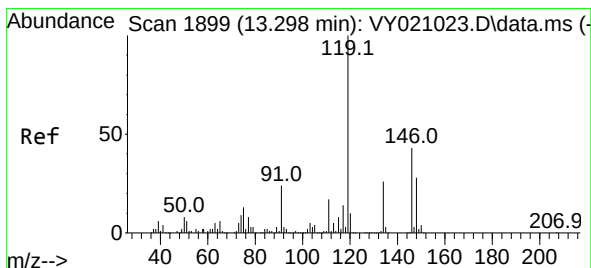
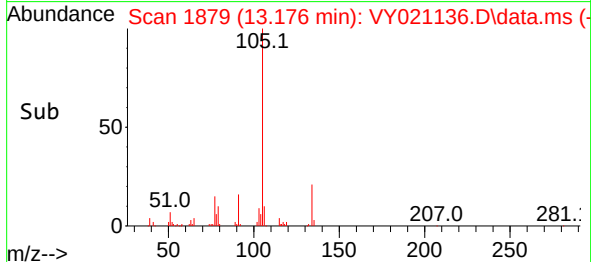
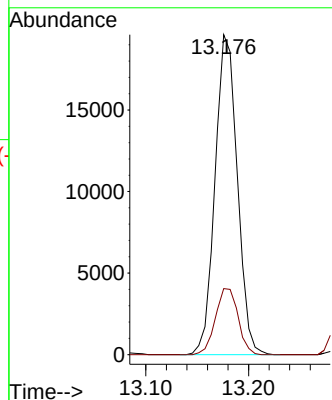
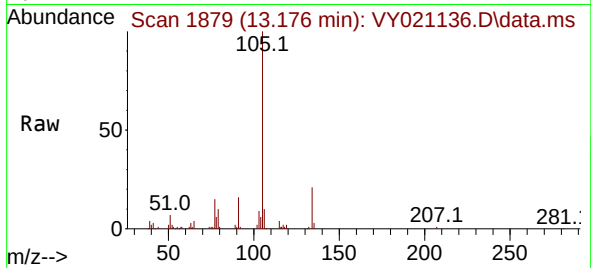




#85
 sec-Butylbenzene
 Concen: 3.238 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. -0.006 min
 Lab File: VY021136.D
 Acq: 07 Feb 2025 13:30

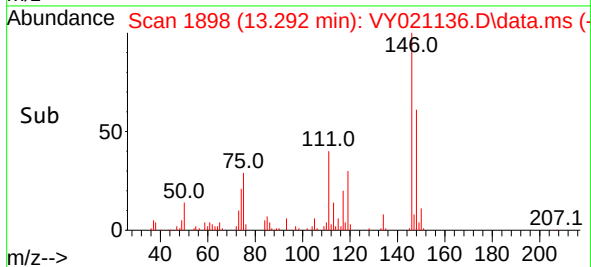
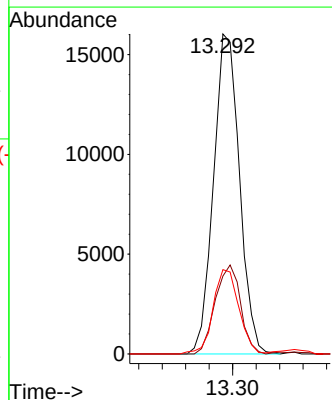
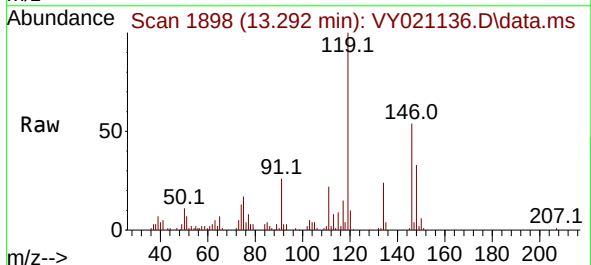
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

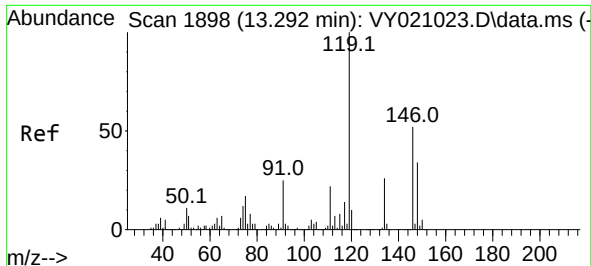
Tgt Ion:105 Resp: 29479
 Ion Ratio Lower Upper
 105 100
 134 21.0 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 3.250 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. -0.006 min
 Lab File: VY021136.D
 Acq: 07 Feb 2025 13:30

Tgt Ion:119 Resp: 24578
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.1 39.1
 91 26.2 11.7 35.0

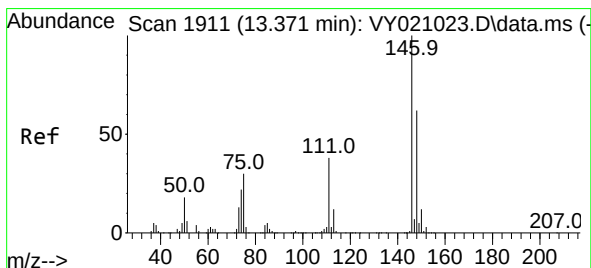
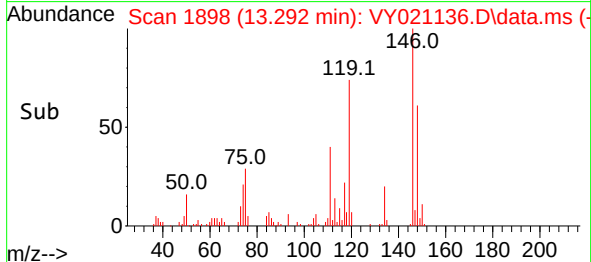
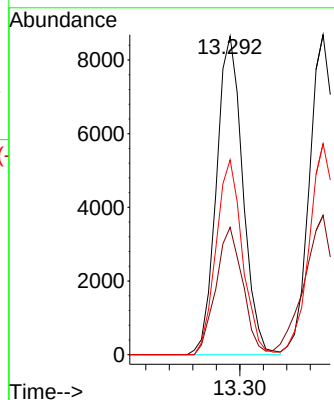
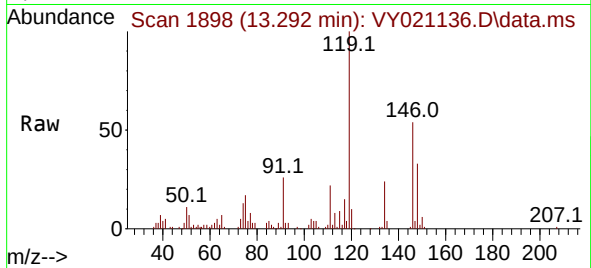




#87
1,3-Dichlorobenzene
Concen: 3.526 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

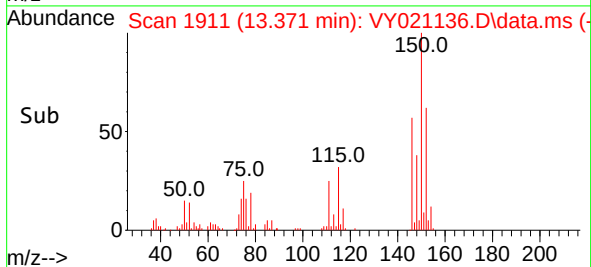
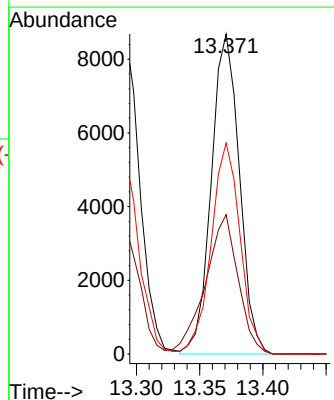
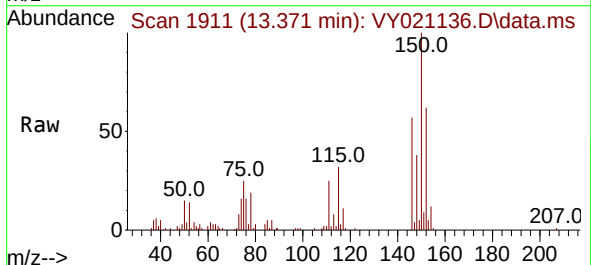
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

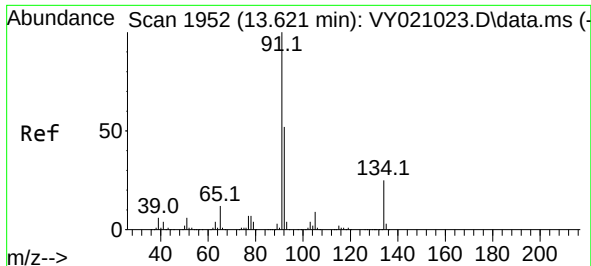
Tgt Ion:146 Resp: 13484
Ion Ratio Lower Upper
146 100
111 40.6 20.2 60.5
148 61.1 31.9 95.9



#88
1,4-Dichlorobenzene
Concen: 3.559 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion:146 Resp: 13400
Ion Ratio Lower Upper
146 100
111 50.9 19.3 57.9
148 68.0 31.6 94.7

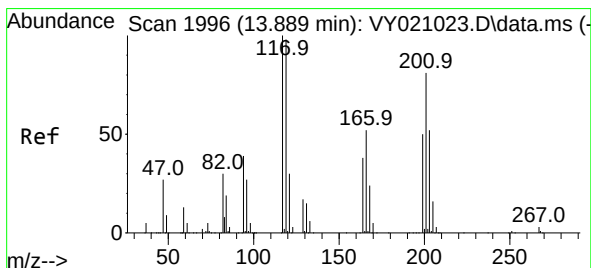
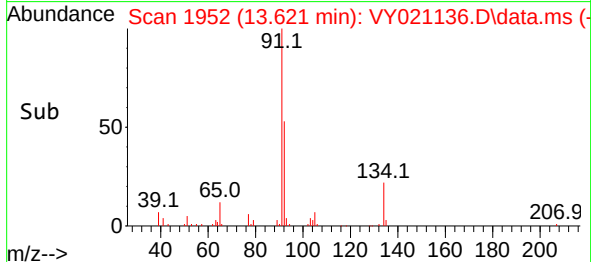
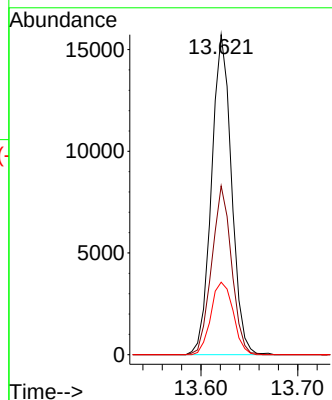
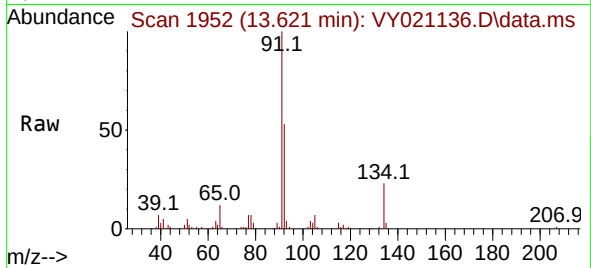




#89
n-Butylbenzene
Concen: 3.281 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

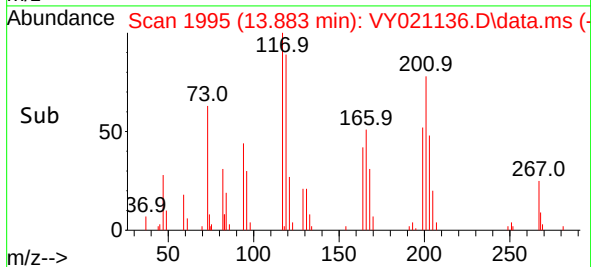
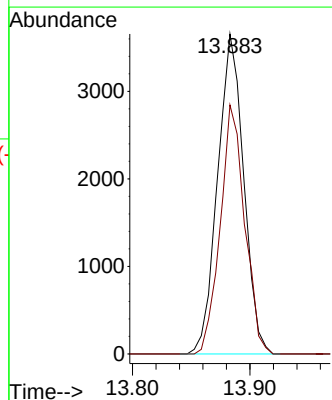
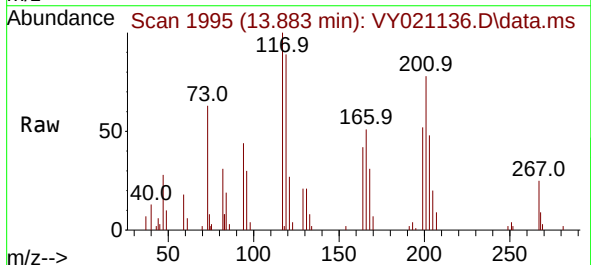
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

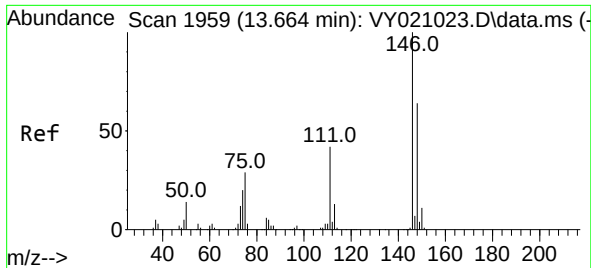
Tgt Ion:	91	Resp:	22636
Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.4	79.2
134	25.2	12.3	36.8



#90
Hexachloroethane
Concen: 3.569 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion:	117	Resp:	5631
Ion	Ratio	Lower	Upper
117	100		
201	73.0	33.4	100.1

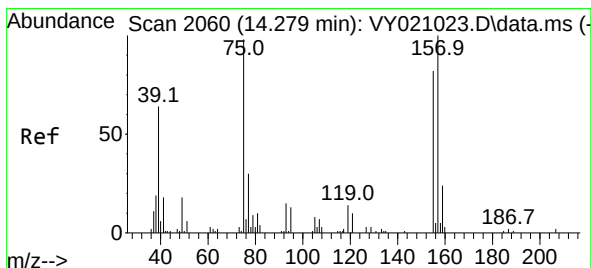
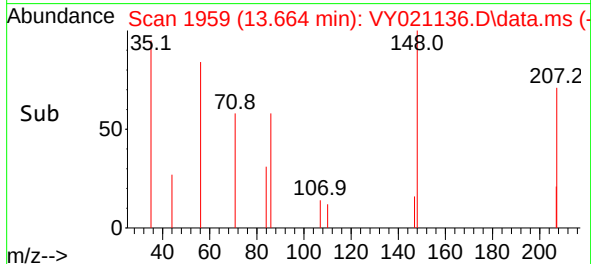
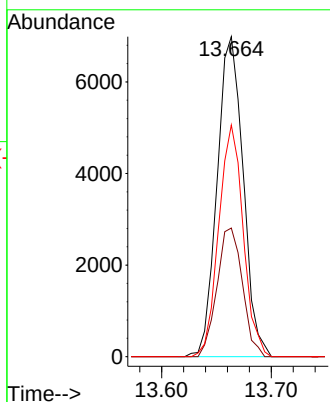
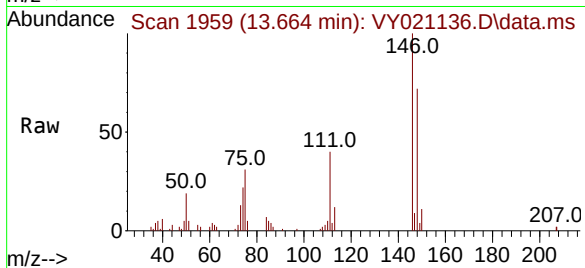




#91
1,2-Dichlorobenzene
Concen: 3.470 ug/l
RT: 13.664 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

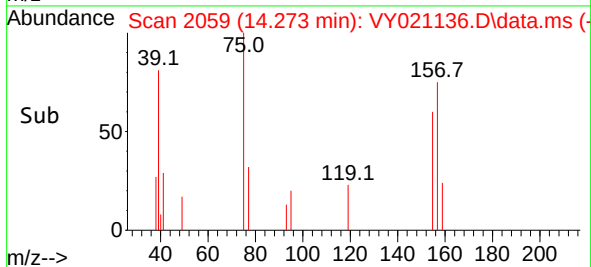
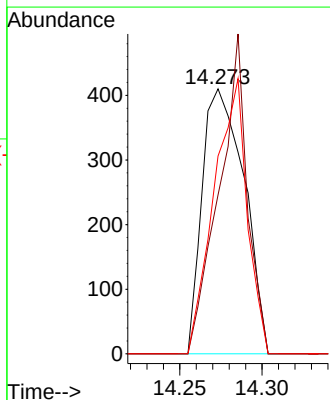
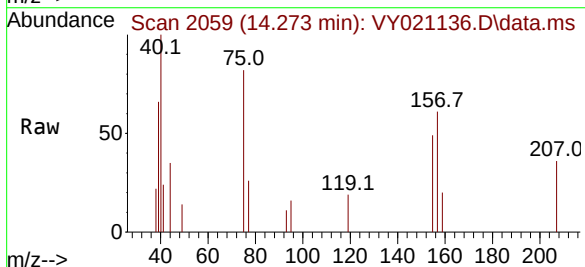
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025

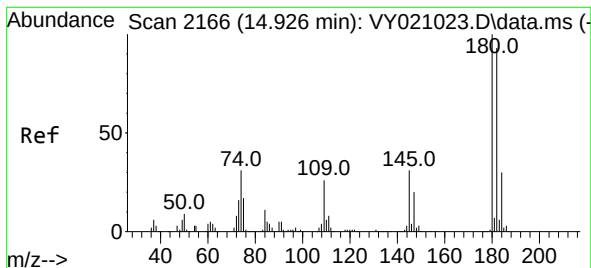
Tgt Ion:	146	Resp:	11519
Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.5	61.6
148	68.2	31.4	94.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.394 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.006 min
Lab File: VY021136.D
Acq: 07 Feb 2025 13:30

Tgt Ion:	75	Resp:	724
Ion	Ratio	Lower	Upper
75	100		
155	81.6	42.1	126.3
157	81.9	55.8	167.4





#93

1,2,4-Trichlorobenzene

Concen: 2.996 ug/l

RT: 14.926 min Scan# 2166

Delta R.T. -0.000 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

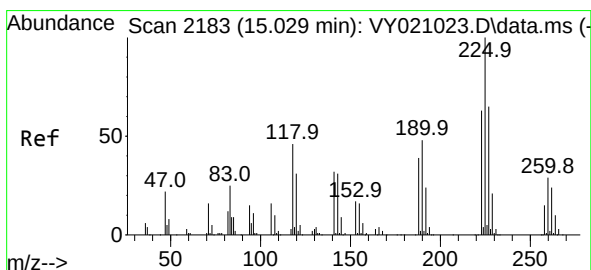
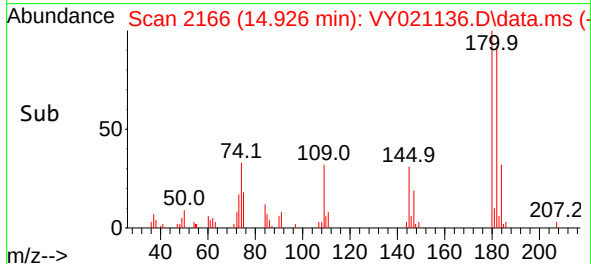
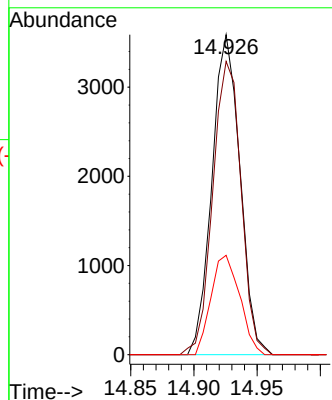
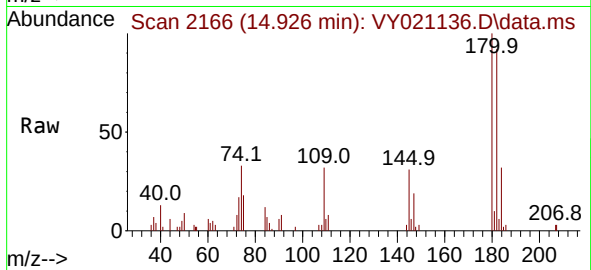
Tgt Ion:180 Resp: 5536

Ion Ratio Lower Upper

180 100

182 92.2 47.9 143.7

145 31.8 15.9 47.7



#94

Hexachlorobutadiene

Concen: 3.323 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. -0.000 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

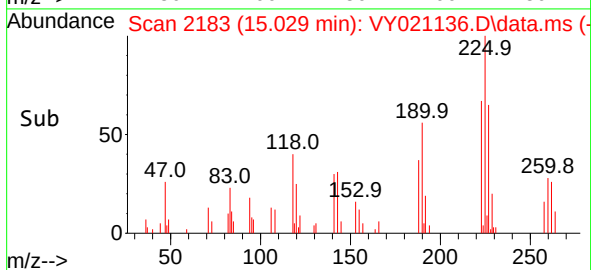
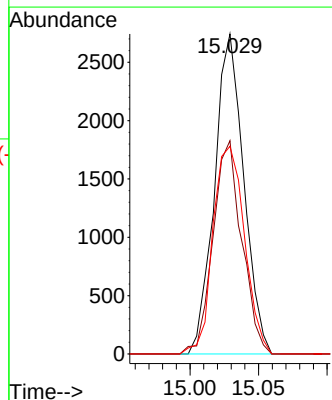
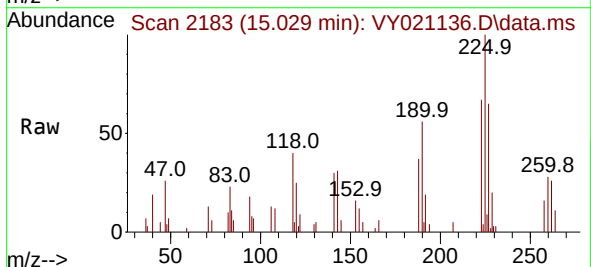
Tgt Ion:225 Resp: 4069

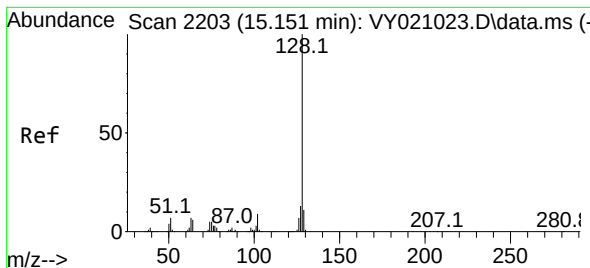
Ion Ratio Lower Upper

225 100

223 65.5 31.4 94.3

227 70.1 32.3 96.8





#95

Naphthalene

Concen: 2.740 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. -0.000 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

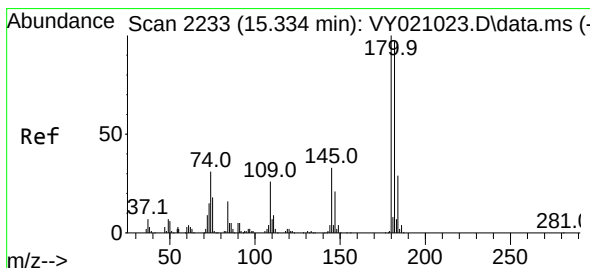
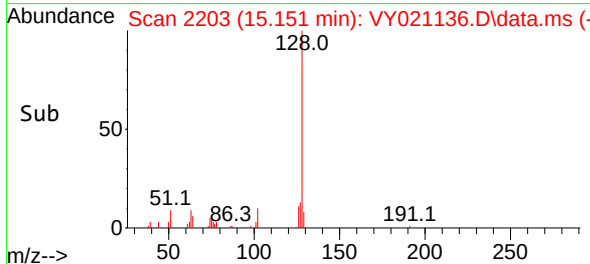
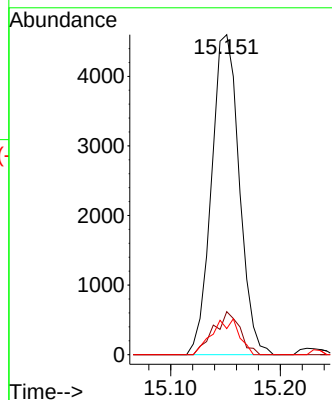
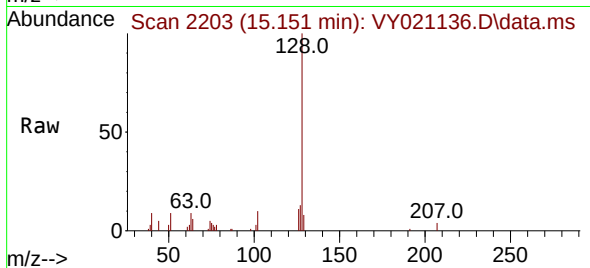
Tgt Ion:128 Resp: 8099

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 10.9 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 3.166 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. -0.000 min

Lab File: VY021136.D

Acq: 07 Feb 2025 13:30

Tgt Ion:180 Resp: 4868

Ion Ratio Lower Upper

180 100

182 88.2 46.3 138.8

145 30.8 16.1 48.2

