

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022543.D
 Acq On : 04 Jun 2025 12:16
 Operator : SY/MD
 Sample : Q2126-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

Quant Time: Jun 05 04:12:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	172186	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	307202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	253215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	112833	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	103404	53.694	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.380%	
35) Dibromofluoromethane	7.634	113	93597	51.045	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.080%	
50) Toluene-d8	10.103	98	376762	50.852	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.700%	
62) 4-Bromofluorobenzene	12.407	95	105015	47.572	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.140%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	6914	4.485	ug/l	97
3) Chloromethane	2.068	50	18291	4.016	ug/l	94
4) Vinyl Chloride	2.202	62	25098	4.750	ug/l	97
5) Bromomethane	2.592	94	24971	4.931	ug/l	88
6) Chloroethane	2.738	64	16785	4.629	ug/l	94
7) Trichlorofluoromethane	3.049	101	21775	4.855	ug/l	100
8) Diethyl Ether	3.458	74	4564	4.519	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.818	101	8256	4.371	ug/l	96
10) Methyl Iodide	4.000	142	7798	3.815	ug/l	93
11) Tert butyl alcohol	4.860	59	3234	23.512	ug/l #	73
12) 1,1-Dichloroethene	3.793	96	8344	4.621	ug/l	81
13) Acrolein	3.647	56	3304	19.274	ug/l	93
14) Allyl chloride	4.378	41	12263	4.326	ug/l	98
15) Acrylonitrile	5.061	53	9302	21.745	ug/l	96
16) Acetone	3.866	43	7260	18.563	ug/l	95
17) Carbon Disulfide	4.104	76	24186	4.184	ug/l	100
18) Methyl Acetate	4.391	43	6163	5.321	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	21040	4.137	ug/l	92
20) Methylene Chloride	4.610	84	10079	4.537	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	8784	4.347	ug/l	94
22) Diisopropyl ether	6.018	45	25966	4.115	ug/l	99
23) Vinyl Acetate	5.957	43	71604	19.174	ug/l	94
24) 1,1-Dichloroethane	5.915	63	15976	4.298	ug/l	98
25) 2-Butanone	6.890	43	11549	20.472	ug/l	93
26) 2,2-Dichloropropane	6.878	77	13921	4.239	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	10135	4.339	ug/l	97
28) Bromochloromethane	7.244	49	7117	4.392	ug/l #	95
29) Tetrahydrofuran	7.256	42	7631	20.973	ug/l	96
30) Chloroform	7.414	83	15667	4.255	ug/l	86
31) Cyclohexane	7.701	56	19408	5.245	ug/l #	92
32) 1,1,1-Trichloroethane	7.622	97	14151	4.330	ug/l	98
36) 1,1-Dichloropropene	7.841	75	12175	4.091	ug/l	98
37) Ethyl Acetate	6.976	43	5622	4.236	ug/l #	73
38) Carbon Tetrachloride	7.817	117	12010	3.934	ug/l	98
39) Methylcyclohexane	9.103	83	14818	3.705	ug/l	97
40) Benzene	8.079	78	36604	4.164	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	2139	2.759	ug/l #	82
42) 1,2-Dichloroethane	8.152	62	10305	4.294	ug/l	98
43) Isopropyl Acetate	8.201	43	11542	4.027	ug/l #	95
44) Trichloroethene	8.859	130	8497	3.955	ug/l	98
45) 1,2-Dichloropropane	9.140	63	8165	3.931	ug/l	95
46) Dibromomethane	9.225	93	4900	4.193	ug/l	99
47) Bromodichloromethane	9.420	83	12239	4.130	ug/l #	94
48) Methyl methacrylate	9.225	41	5090	3.784	ug/l	98
49) 1,4-Dioxane	9.231	88	1007	72.732	ug/l #	65
51) 4-Methyl-2-Pentanone	9.999	43	24587	17.205	ug/l	96
52) Toluene	10.170	92	21148	3.829	ug/l	96
53) t-1,3-Dichloropropene	10.396	75	9425	3.395	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	12535	3.878	ug/l	94
55) 1,1,2-Trichloroethane	10.572	97	5921	3.973	ug/l	96
56) Ethyl methacrylate	10.438	69	7326	3.401	ug/l	92
57) 1,3-Dichloropropane	10.713	76	10363	3.924	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.713	63	19535	19.977	ug/l	99
59) 2-Hexanone	10.761	43	17144	17.938	ug/l	97
60) Dibromochloromethane	10.908	129	7132	3.766	ug/l	99
61) 1,2-Dibromoethane	11.017	107	4999	3.680	ug/l	96
64) Tetrachloroethene	10.652	164	8376	3.845	ug/l #	89
65) Chlorobenzene	11.438	112	21621	3.859	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.517	131	7743	4.102	ug/l	97
67) Ethyl Benzene	11.517	91	39221	3.774	ug/l	96
68) m/p-Xylenes	11.627	106	28111	7.135	ug/l	100
69) o-Xylene	11.950	106	13600	3.682	ug/l	98
70) Styrene	11.969	104	21921	3.590	ug/l	99
71) Bromoform	12.133	173	3698	3.681	ug/l #	95
73) Isopropylbenzene	12.255	105	34369	3.710	ug/l	97
74) N-amyl acetate	12.072	43	9045	3.870	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	6249	4.110	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	8557	6.629	ug/l #	100
77) Bromobenzene	12.529	156	8032	4.109	ug/l	98
78) n-propylbenzene	12.596	91	42743	3.778	ug/l	97
79) 2-Chlorotoluene	12.676	91	22873	3.814	ug/l	94
80) 1,3,5-Trimethylbenzene	12.731	105	26222	3.606	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.304	75	1972	3.689	ug/l	98
82) 4-Chlorotoluene	12.773	91	23426	3.787	ug/l	98
83) tert-Butylbenzene	12.999	119	25148	3.853	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	27288	3.751	ug/l	94
85) sec-Butylbenzene	13.170	105	36020	3.603	ug/l	99
86) p-Isopropyltoluene	13.291	119	28563	3.466	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	14936	3.771	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	15131	3.939	ug/l	90
89) n-Butylbenzene	13.615	91	28513	3.647	ug/l	98
90) Hexachloroethane	13.877	117	6256	3.900	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	13045	3.879	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	937	4.233	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	6870	3.746	ug/l	96
94) Hexachlorobutadiene	15.023	225	3645	3.601	ug/l	93
95) Naphthalene	15.145	128	12506	3.553	ug/l	97
96) 1,2,3-Trichlorobenzene	15.322	180	6428	4.090	ug/l	97

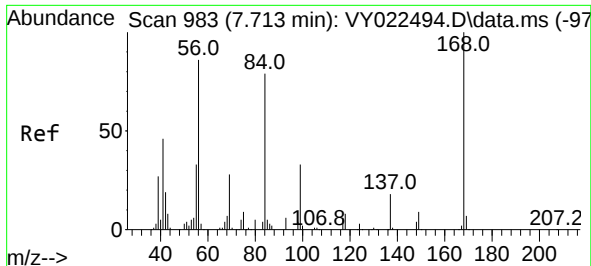
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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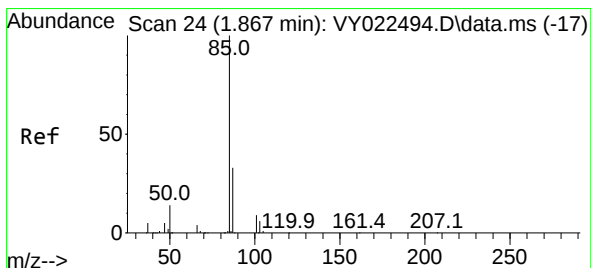
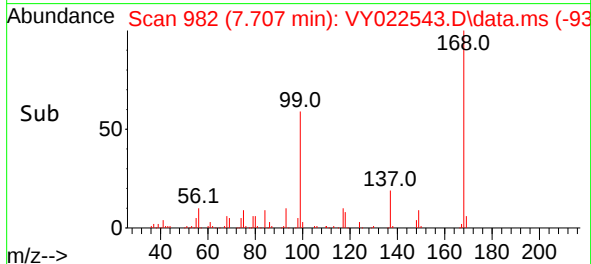
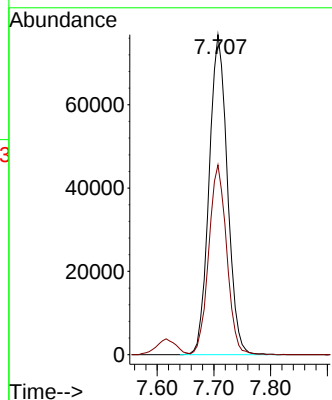
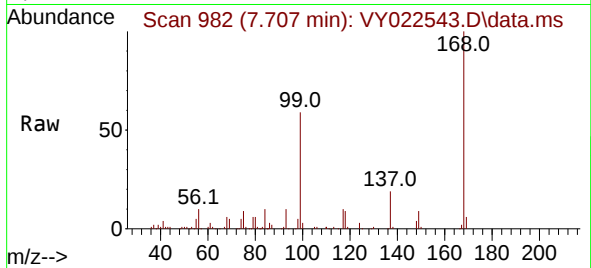
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

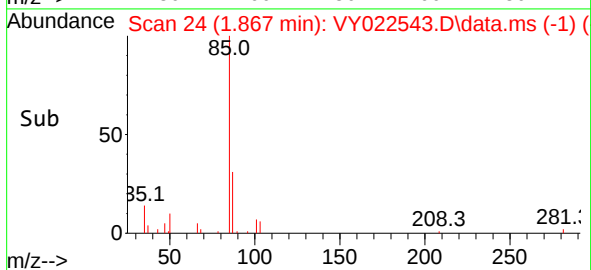
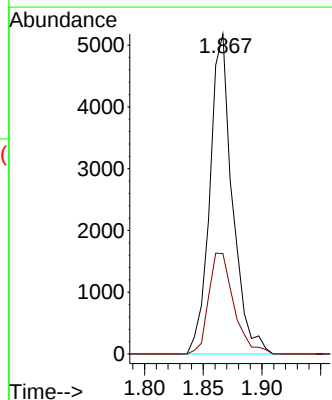
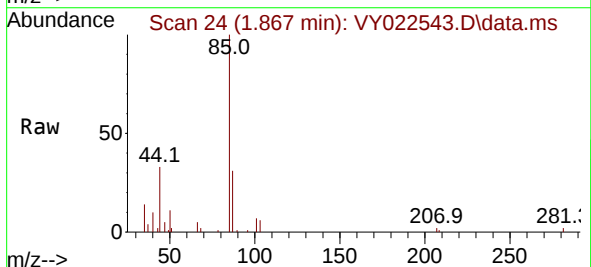
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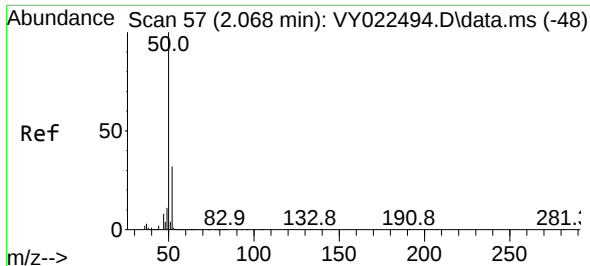
Tgt Ion:168 Resp: 172186
Ion Ratio Lower Upper
168 100
99 59.3 44.3 66.5



#2
Dichlorodifluoromethane
Concen: 4.485 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 85 Resp: 6914
Ion Ratio Lower Upper
85 100
87 31.3 16.7 50.0

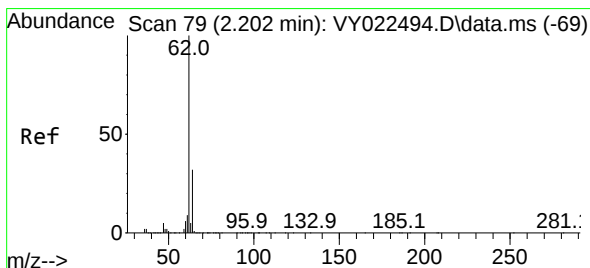
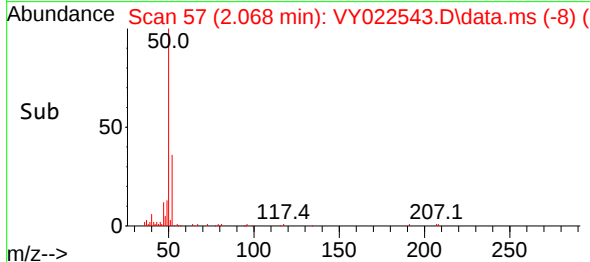
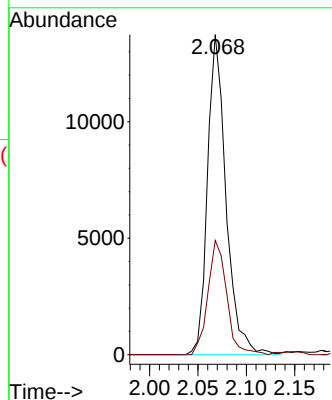
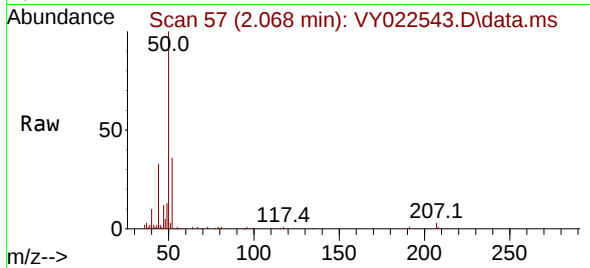




#3
Chloromethane
Concen: 4.016 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

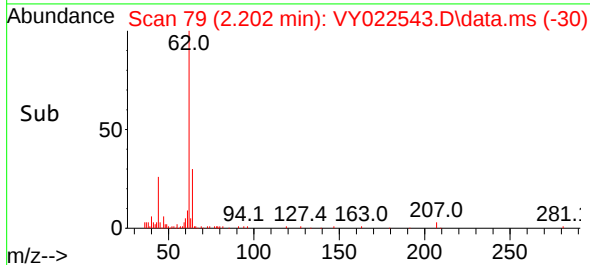
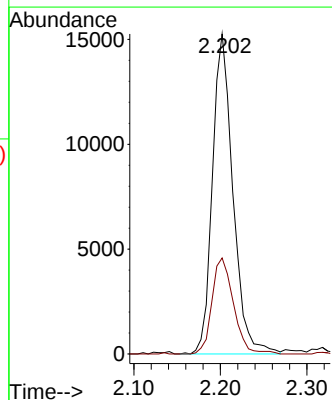
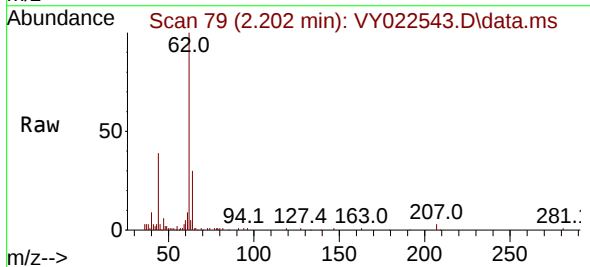
Instrument :
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Tgt Ion: 50 Resp: 18291
Ion Ratio Lower Upper
50 100
52 35.7 26.0 39.0



#4
Vinyl Chloride
Concen: 4.750 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 62 Resp: 25098
Ion Ratio Lower Upper
62 100
64 30.0 25.3 37.9

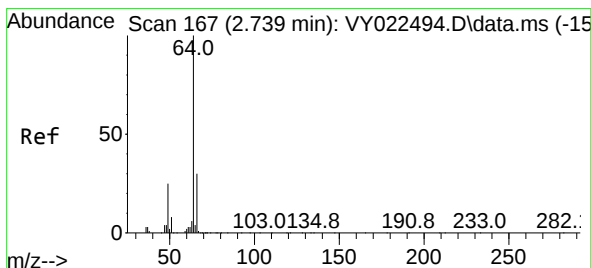
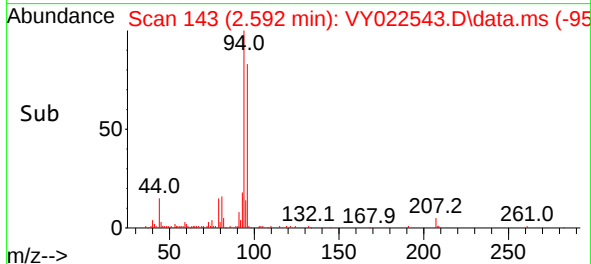
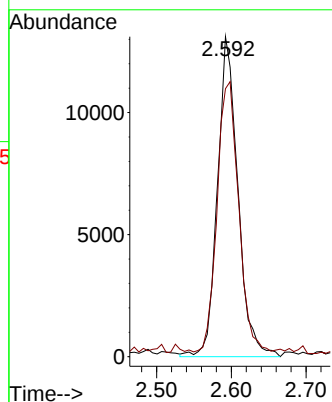
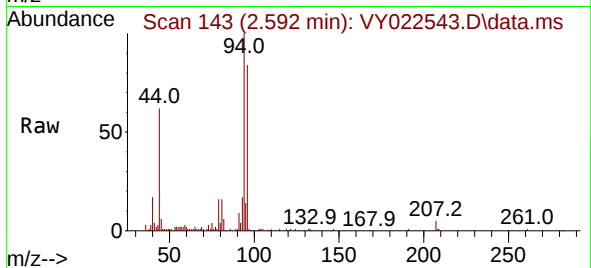




#5
Bromomethane
Concen: 4.931 ug/l
RT: 2.592 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

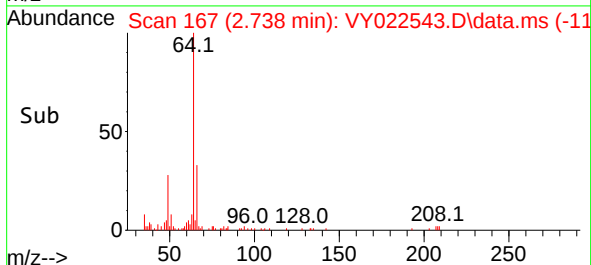
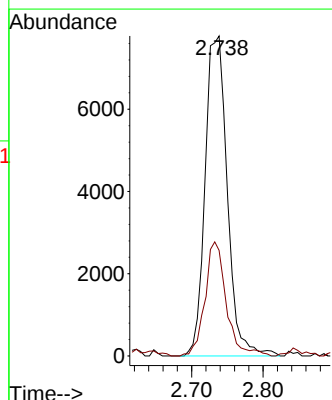
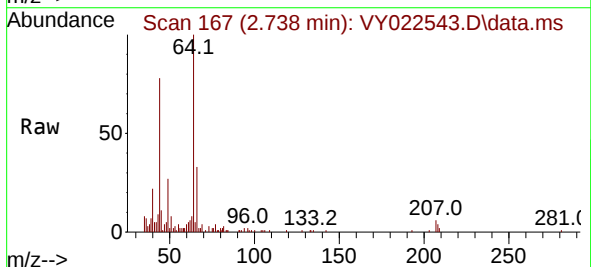
Instrument :
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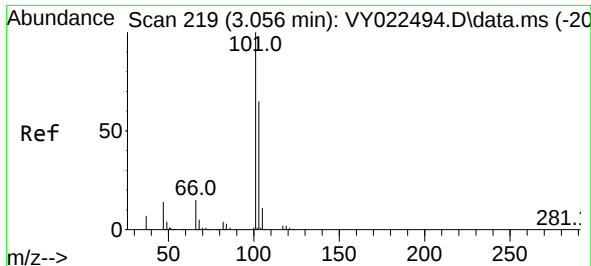
Tgt Ion: 94 Resp: 24971
Ion Ratio Lower Upper
94 100
96 81.4 74.0 111.0



#6
Chloroethane
Concen: 4.629 ug/l
RT: 2.738 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 64 Resp: 16785
Ion Ratio Lower Upper
64 100
66 33.0 23.8 35.6

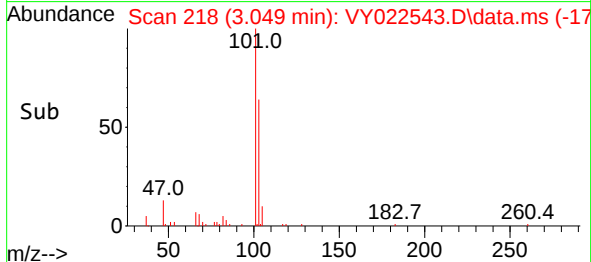
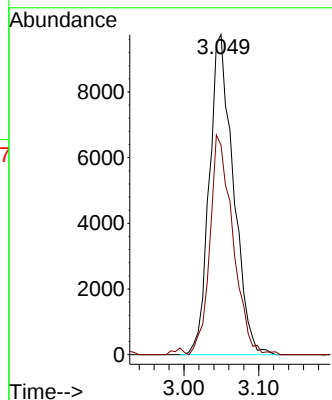
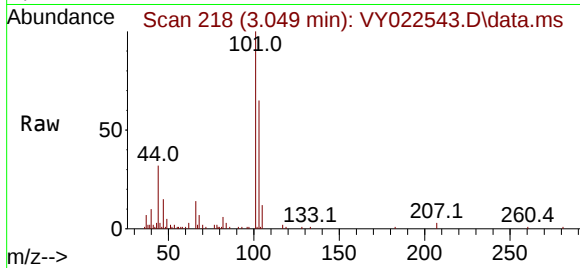




#7
Trichlorofluoromethane
Concen: 4.855 ug/l
RT: 3.049 min Scan# 21
Delta R.T. -0.006 min
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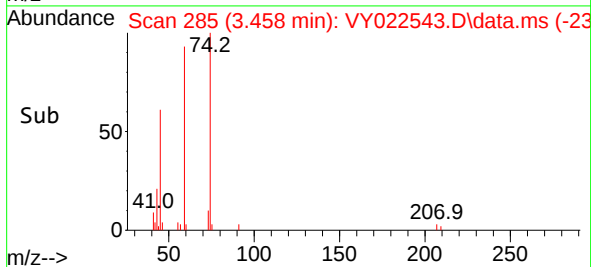
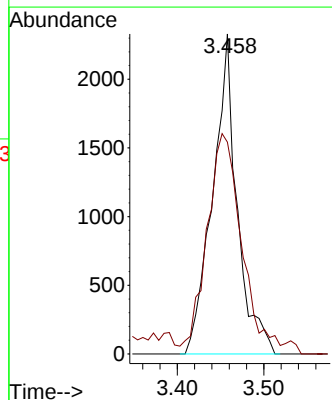
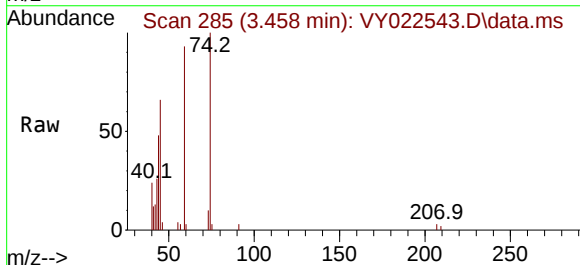
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Tgt Ion:101 Resp: 21775
Ion Ratio Lower Upper
101 100
103 65.5 52.2 78.2



#8
Diethyl Ether
Concen: 4.519 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 74 Resp: 4564
Ion Ratio Lower Upper
74 100
45 99.6 45.9 137.6

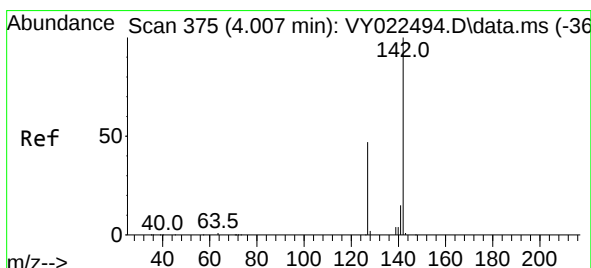
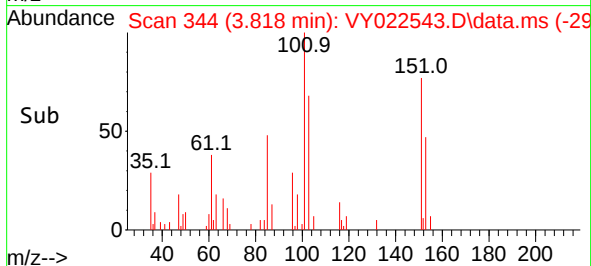
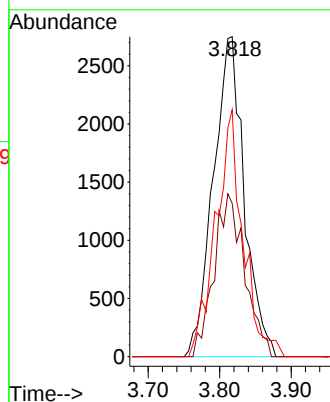
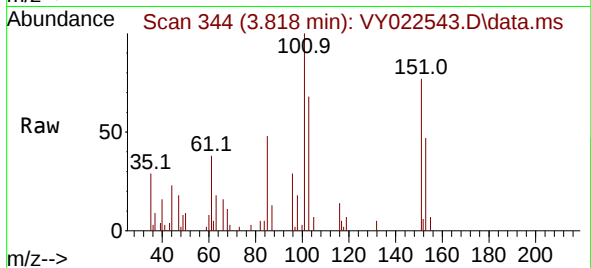




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.371 ug/l
RT: 3.818 min Scan# 344
Delta R.T. -0.000 min
Lab File: VY022543.D
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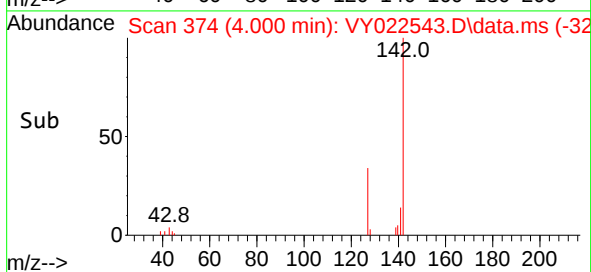
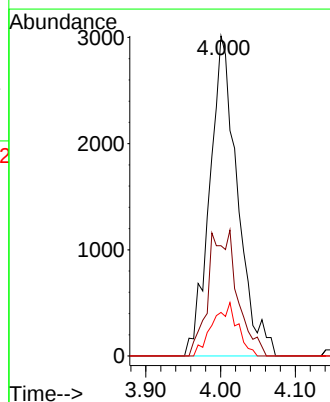
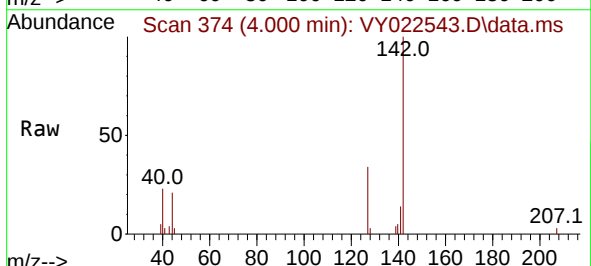
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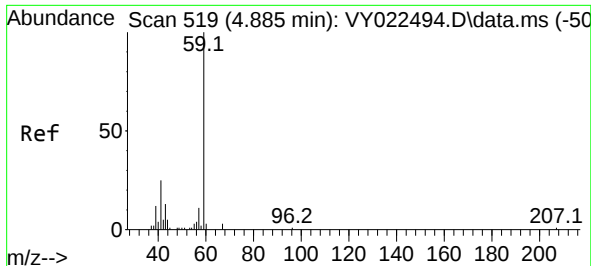
Tgt Ion:101	Resp:	8256
Ion Ratio	Lower	Upper
101	100	
85	50.6	39.3 58.9
151	68.2	57.8 86.8



#10
Methyl Iodide
Concen: 3.815 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion:142	Resp:	7798
Ion Ratio	Lower	Upper
142	100	
127	40.7	37.1 55.7
141	15.1	11.4 17.2

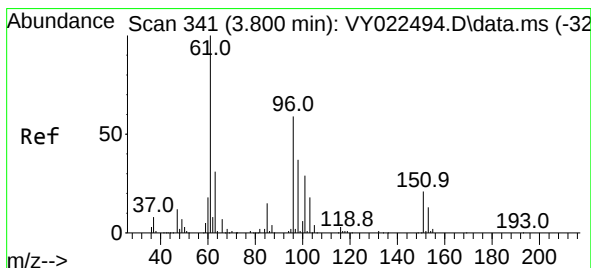
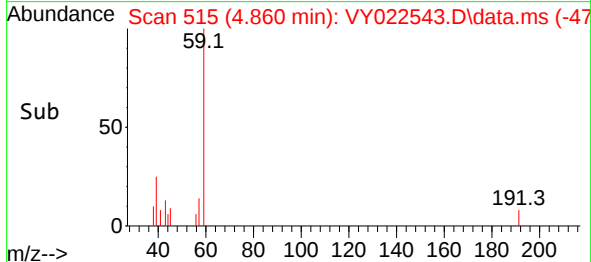
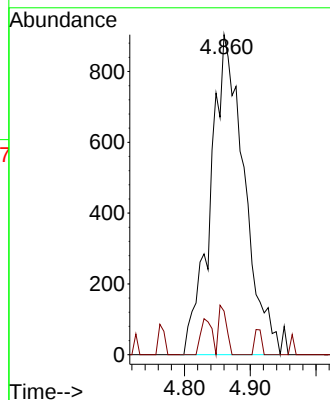
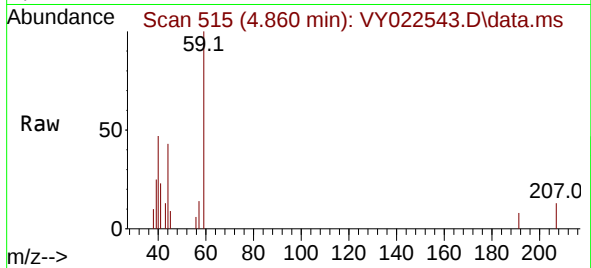




#11
Tert butyl alcohol
Concen: 23.512 ug/l
RT: 4.860 min Scan# 519
Delta R.T. -0.025 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

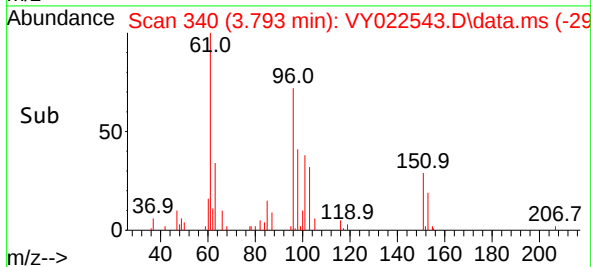
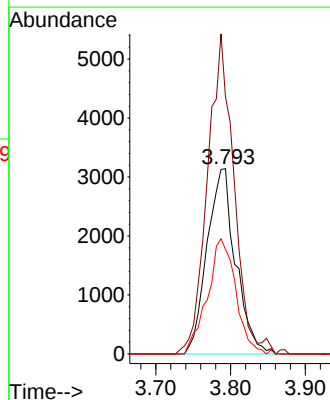
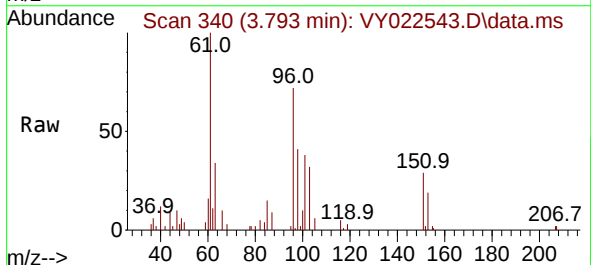
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

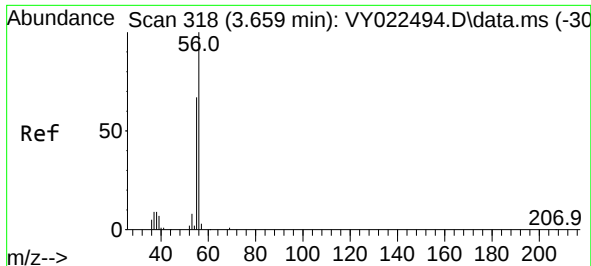
Tgt Ion: 59 Resp: 3234
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#12
1,1-Dichloroethene
Concen: 4.621 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 96 Resp: 8344
Ion Ratio Lower Upper
96 100
61 136.5 134.6 201.8
98 56.5 50.2 75.4





#13

Acrolein

Concen: 19.274 ug/l

RT: 3.647 min Scan# 318

Delta R.T. -0.012 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

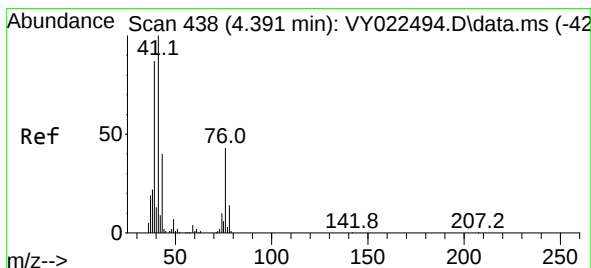
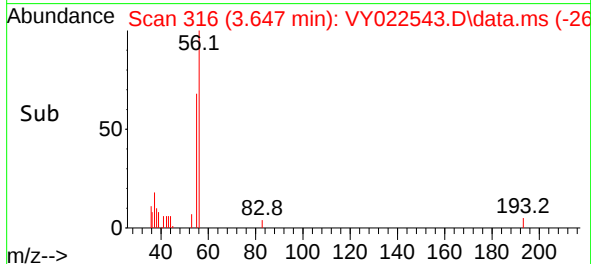
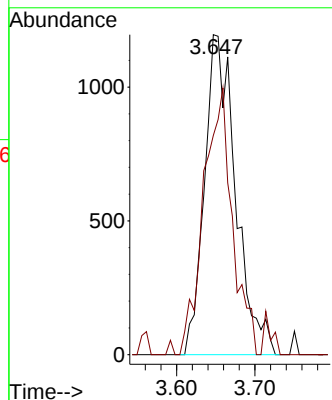
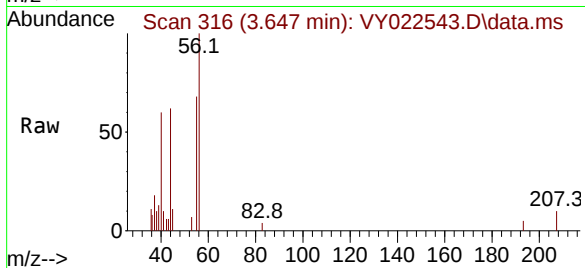
MDL-SOIL-03-QT2-2025

Tgt Ion: 56 Resp: 3304

Ion Ratio Lower Upper

56 100

55 76.9 57.0 85.6



#14

Allyl chloride

Concen: 4.326 ug/l

RT: 4.378 min Scan# 436

Delta R.T. -0.012 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

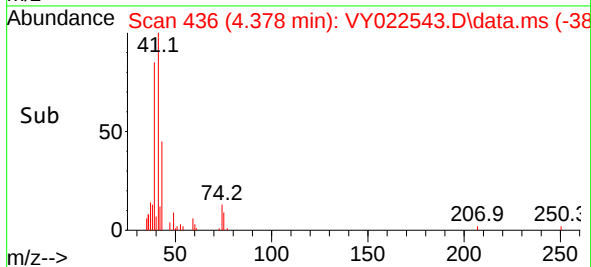
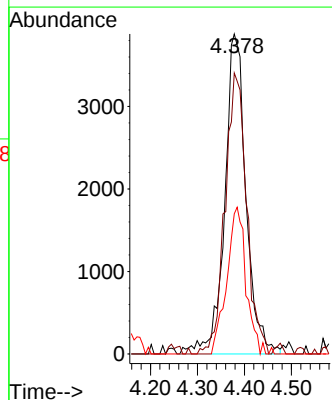
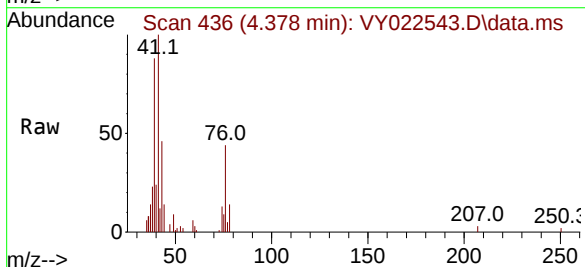
Tgt Ion: 41 Resp: 12263

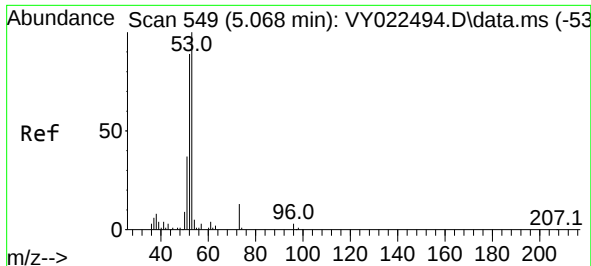
Ion Ratio Lower Upper

41 100

39 88.1 69.1 103.7

76 41.2 33.5 50.3

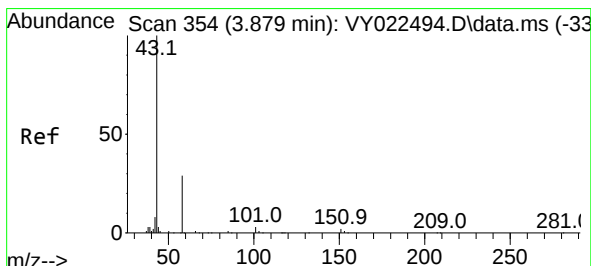
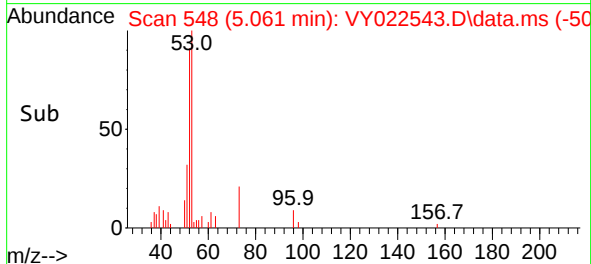
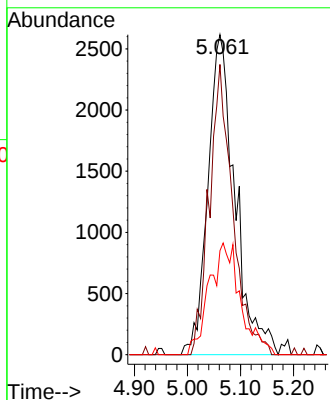
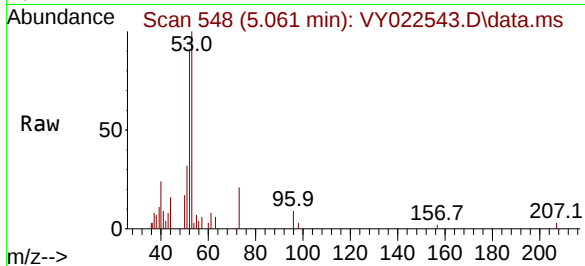




#15
Acrylonitrile
Concen: 21.745 ug/l
RT: 5.061 min Scan# 549
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

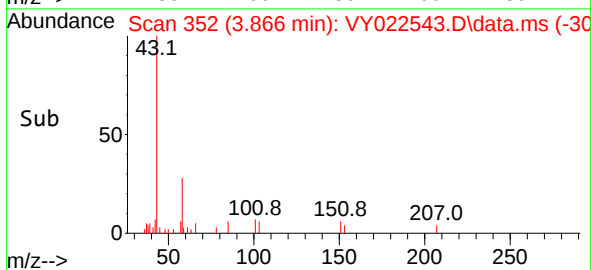
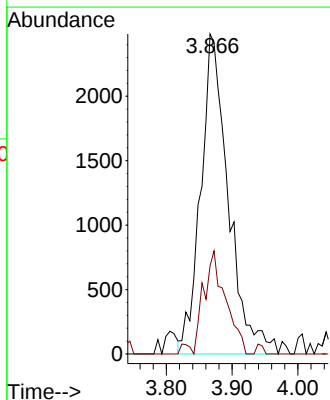
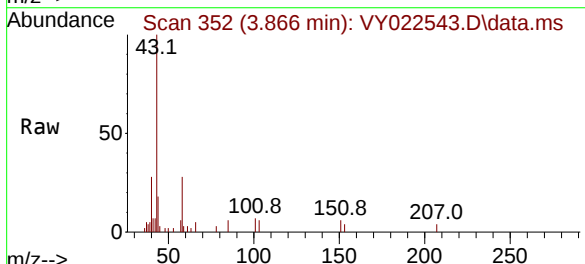
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

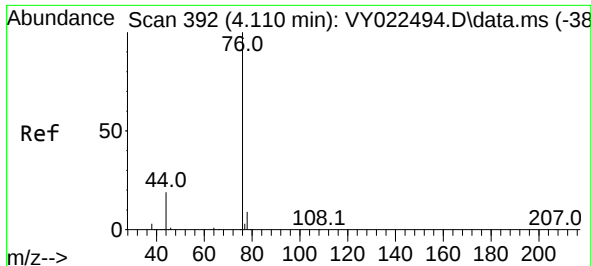
Tgt Ion: 53 Resp: 9302
Ion Ratio Lower Upper
53 100
52 78.5 65.7 98.5
51 40.3 30.1 45.1



#16
Acetone
Concen: 18.563 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 43 Resp: 7260
Ion Ratio Lower Upper
43 100
58 27.5 24.0 36.0

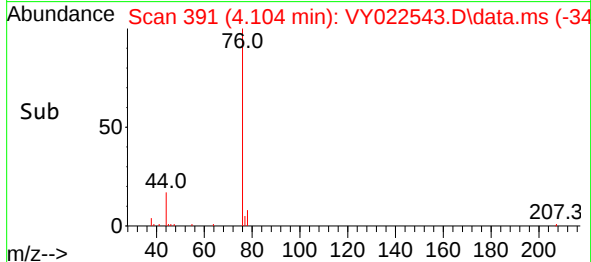
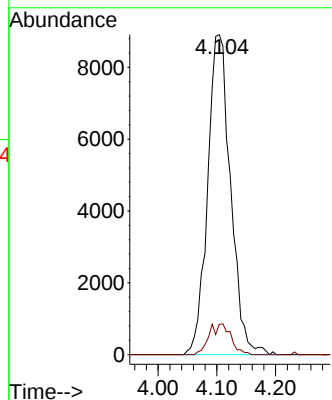
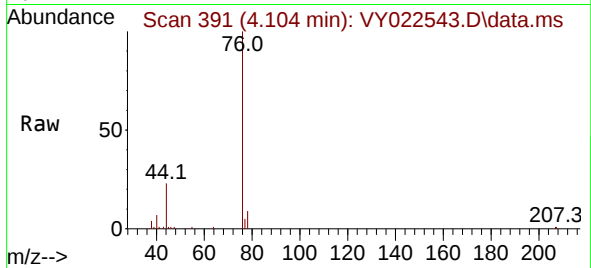




#17
Carbon Disulfide
Concen: 4.184 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

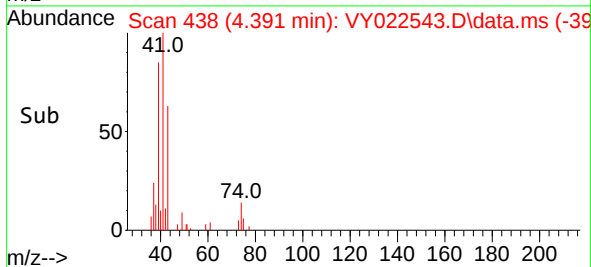
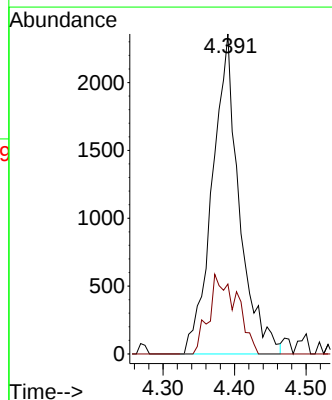
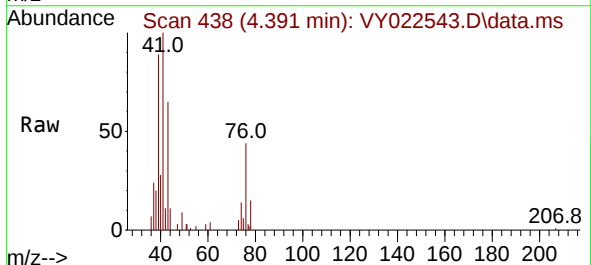
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

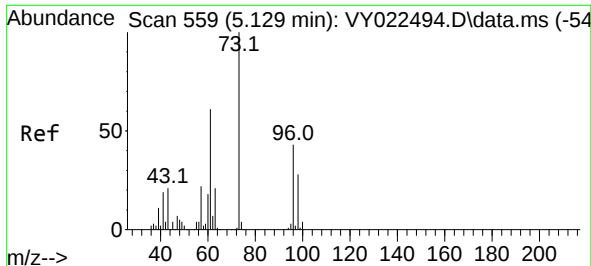
Tgt Ion: 76 Resp: 24186
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2



#18
Methyl Acetate
Concen: 5.321 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 43 Resp: 6163
Ion Ratio Lower Upper
43 100
74 26.1 19.8 29.6

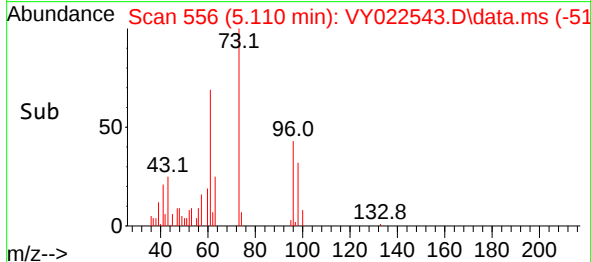
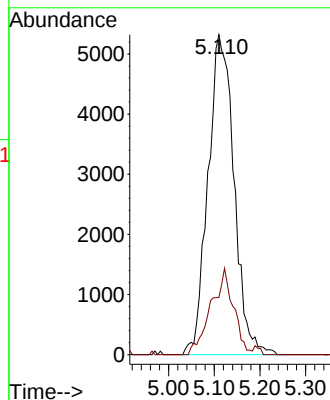
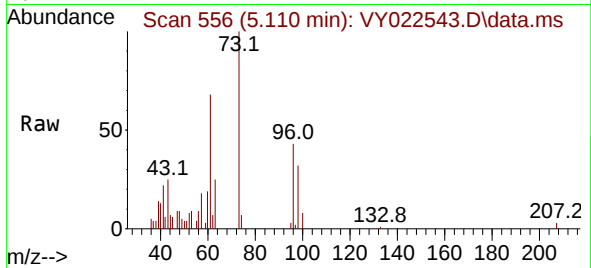




#19
Methyl tert-butyl Ether
Concen: 4.137 ug/l
RT: 5.110 min Scan# 51
Delta R.T. -0.019 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

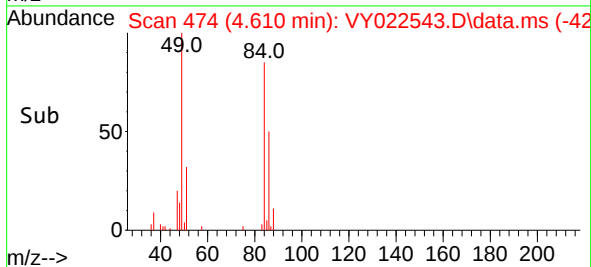
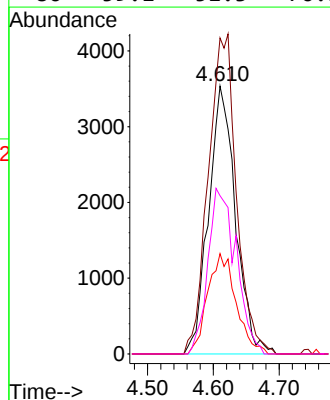
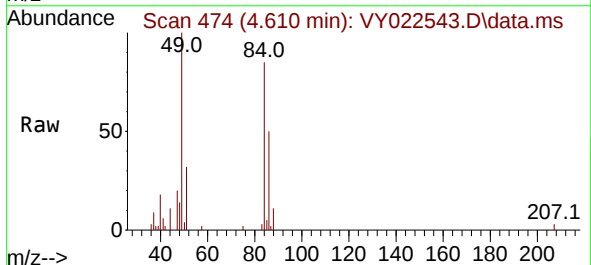
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

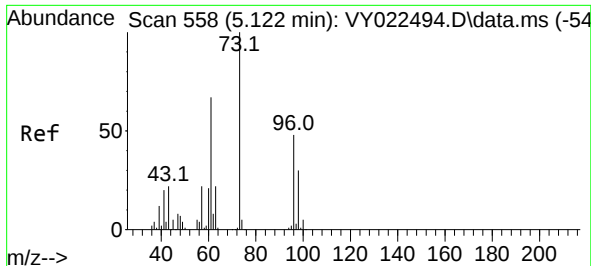
Tgt Ion: 73 Resp: 21040
Ion Ratio Lower Upper
73 100
57 17.9 17.4 26.0



#20
Methylene Chloride
Concen: 4.537 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 84 Resp: 10079
Ion Ratio Lower Upper
84 100
49 118.0 101.9 152.9
51 37.5 29.8 44.8
86 59.1 51.3 76.9

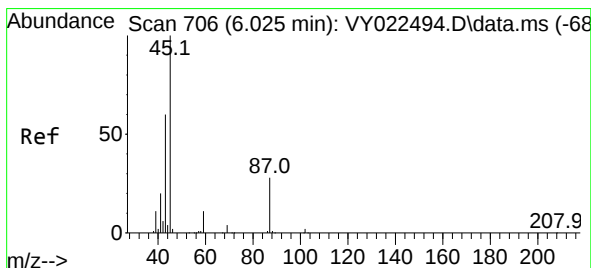
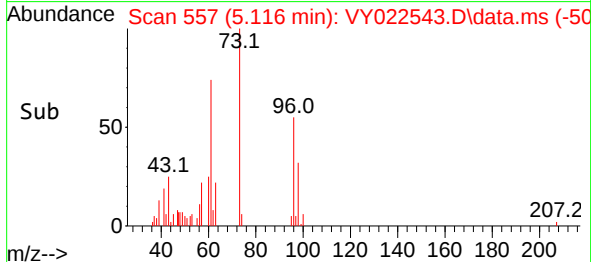
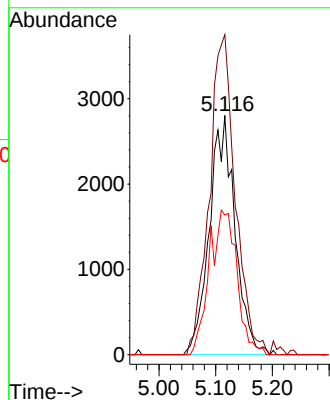
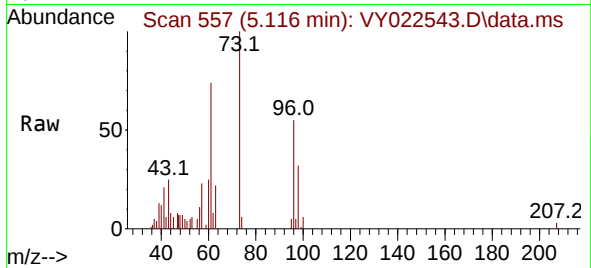




#21
trans-1,2-Dichloroethene
Concen: 4.347 ug/l
RT: 5.116 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

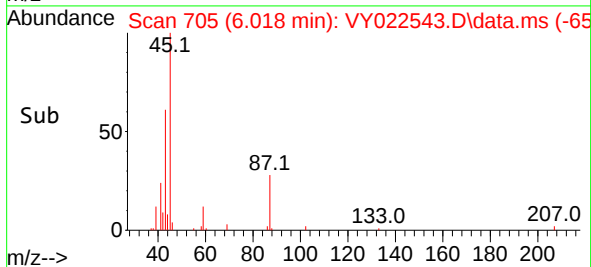
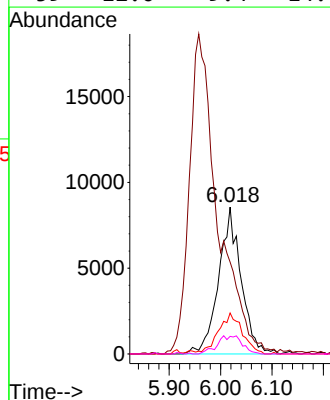
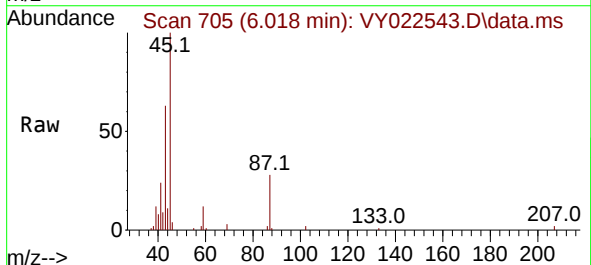
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

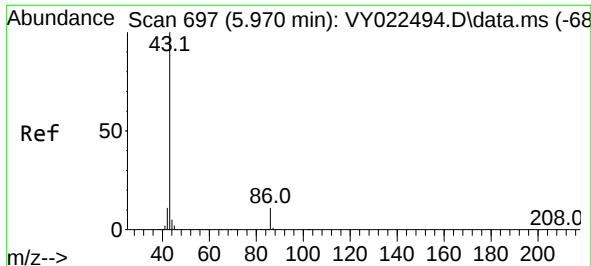
Tgt Ion: 96 Resp: 8784
Ion Ratio Lower Upper
96 100
61 133.8 112.6 169.0
98 58.4 50.6 75.8



#22
Diisopropyl ether
Concen: 4.115 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 45 Resp: 25966
Ion Ratio Lower Upper
45 100
43 59.6 48.3 72.5
87 27.9 23.0 34.6
59 12.0 9.4 14.0

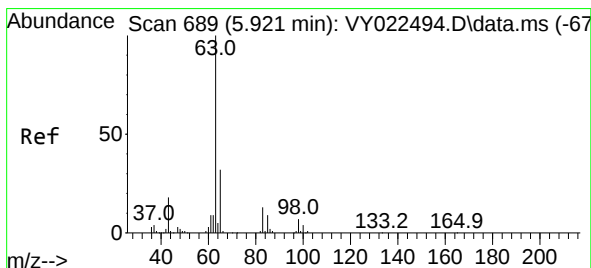
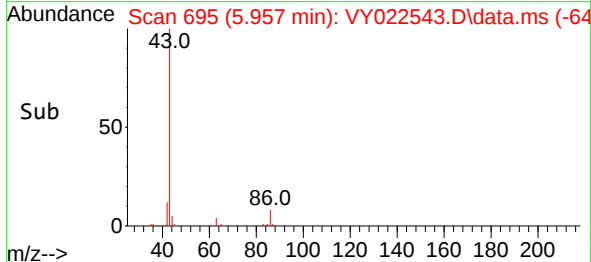
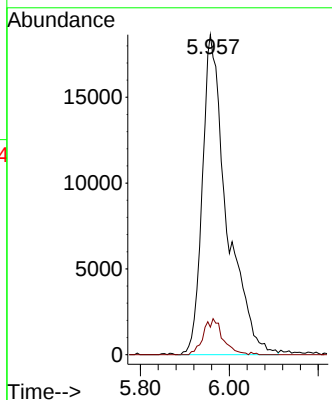
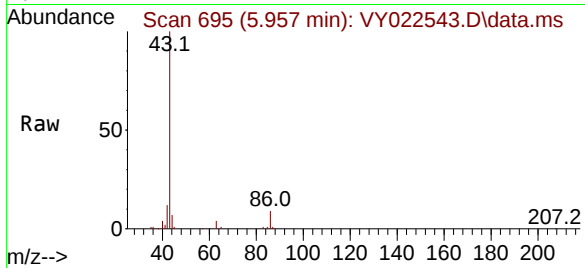




#23
 Vinyl Acetate
 Concen: 19.174 ug/l
 RT: 5.957 min Scan# 695
 Delta R.T. -0.012 min
 Lab File: VY022543.D
 Acq: 04 Jun 2025 12:16

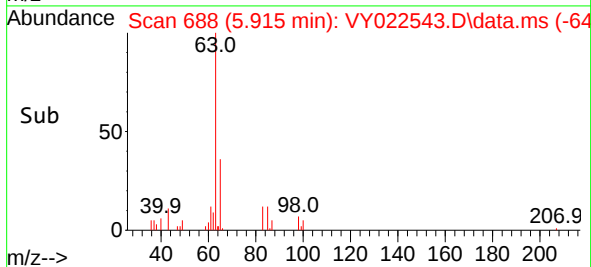
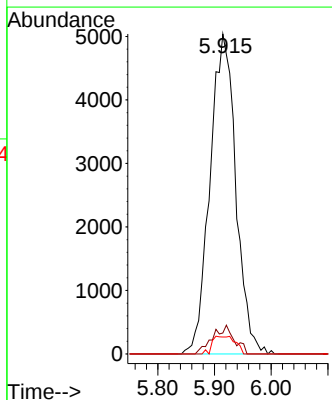
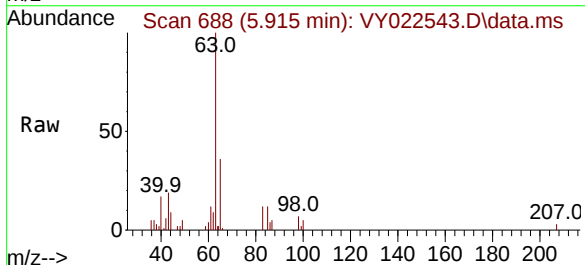
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

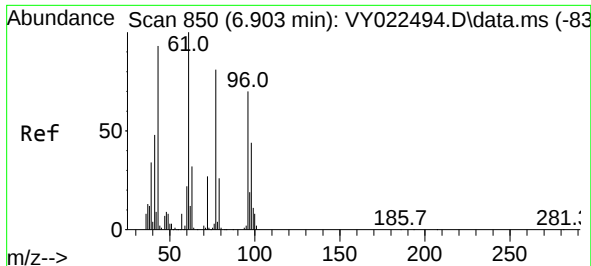
Tgt Ion: 43 Resp: 71604
 Ion Ratio Lower Upper
 43 100
 86 8.6 8.6 12.8



#24
 1,1-Dichloroethane
 Concen: 4.298 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. -0.006 min
 Lab File: VY022543.D
 Acq: 04 Jun 2025 12:16

Tgt Ion: 63 Resp: 15976
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.4 10.1
 100 5.3 2.1 6.3

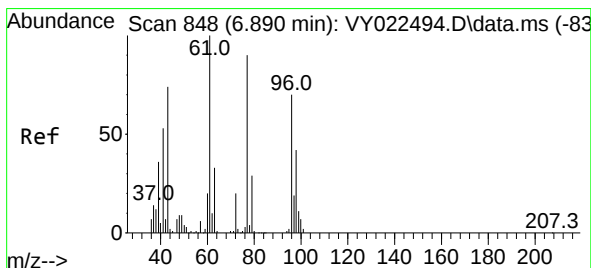
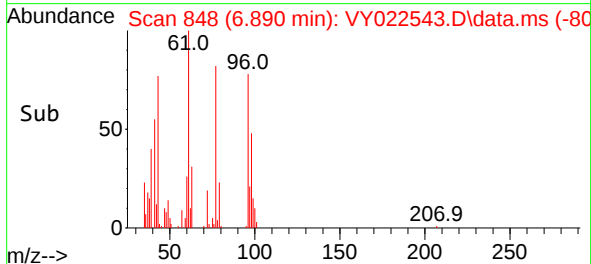
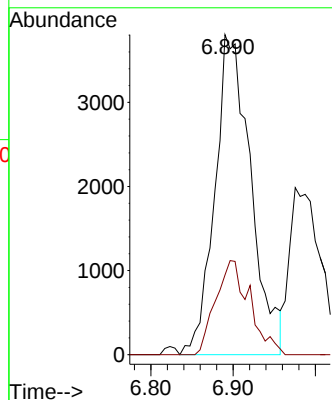
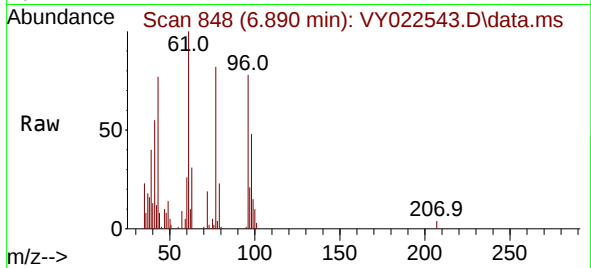




#25
2-Butanone
Concen: 20.472 ug/l
RT: 6.890 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

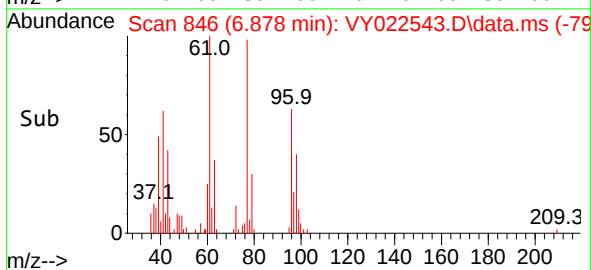
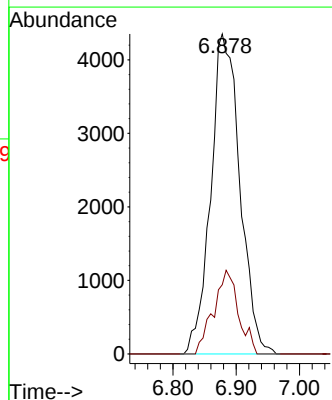
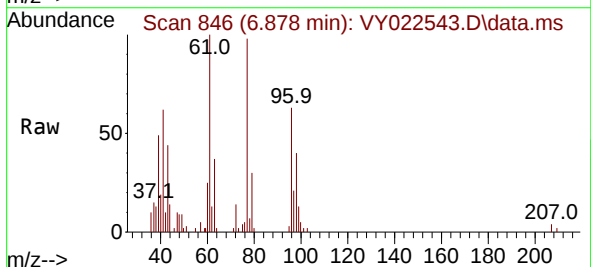
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

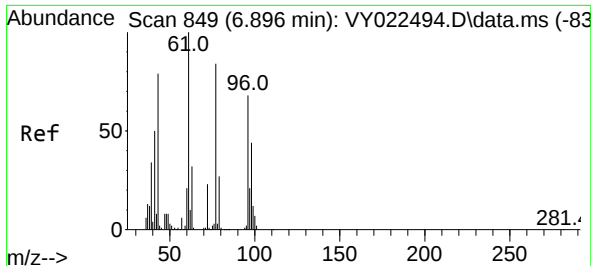
Tgt Ion: 43 Resp: 11549
Ion Ratio Lower Upper
43 100
72 24.9 22.9 34.3



#26
2,2-Dichloropropane
Concen: 4.239 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 77 Resp: 13921
Ion Ratio Lower Upper
77 100
97 22.2 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 4.339 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

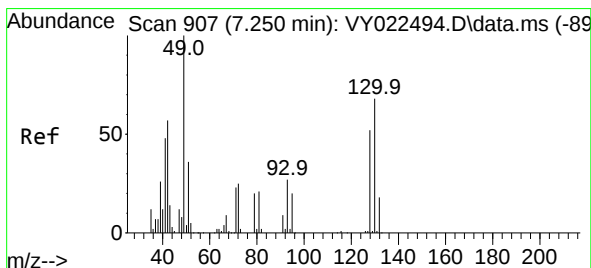
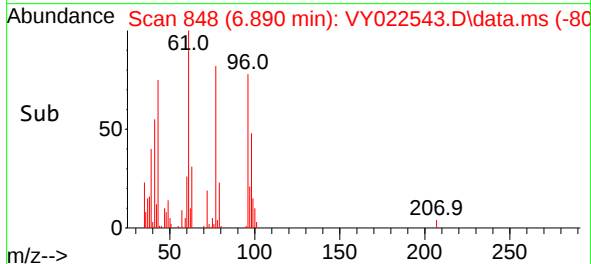
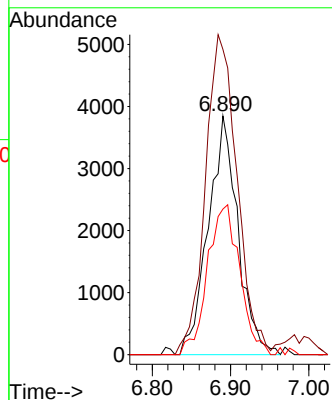
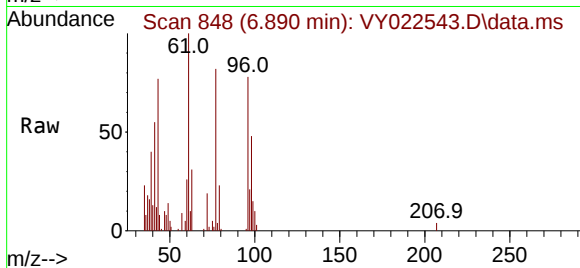
Tgt Ion: 96 Resp: 10135

Ion Ratio Lower Upper

96 100

61 143.1 0.0 290.0

98 68.3 0.0 128.4



#28

Bromochloromethane

Concen: 4.392 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

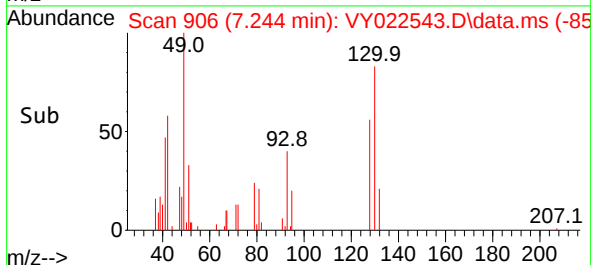
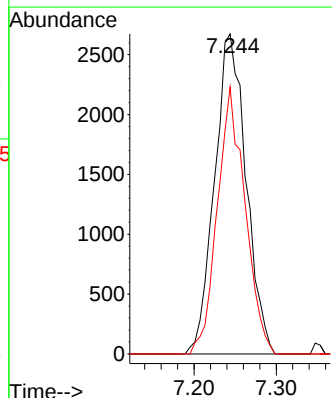
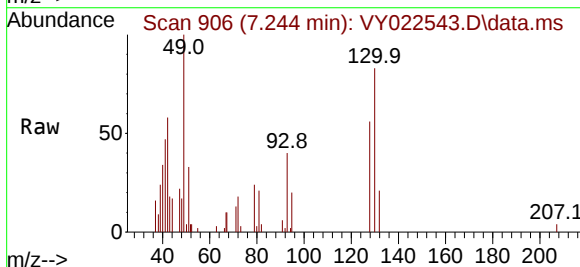
Tgt Ion: 49 Resp: 7117

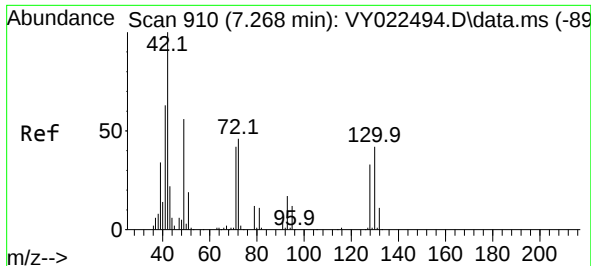
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 73.6 55.7 83.5





#29

Tetrahydrofuran

Concen: 20.973 ug/l

RT: 7.256 min Scan# 908

Delta R.T. -0.012 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

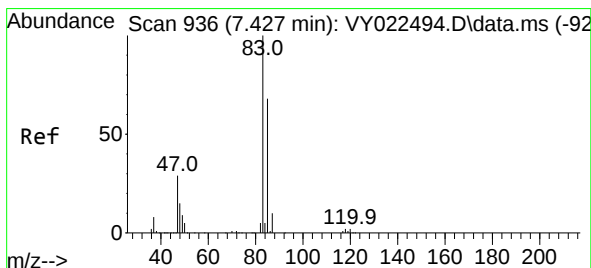
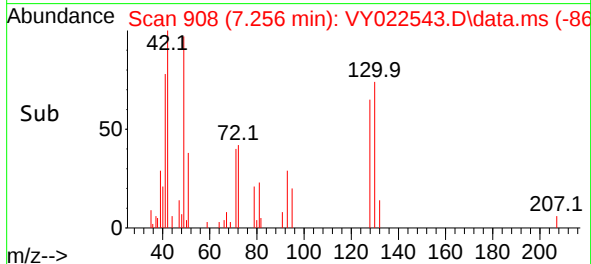
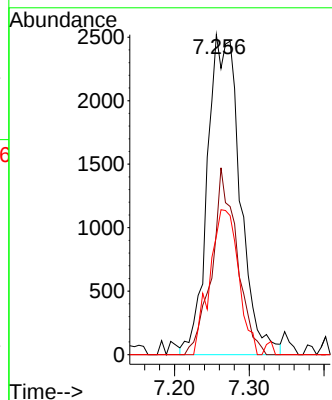
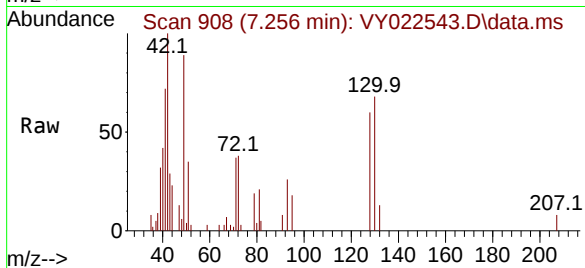
Tgt Ion: 42 Resp: 7631

Ion Ratio Lower Upper

42 100

72 44.9 37.4 56.2

71 39.8 34.2 51.2



#30

Chloroform

Concen: 4.255 ug/l

RT: 7.414 min Scan# 934

Delta R.T. -0.012 min

Lab File: VY022543.D

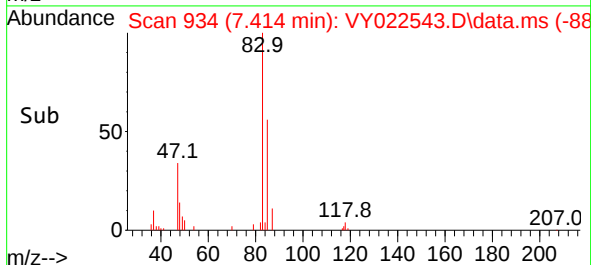
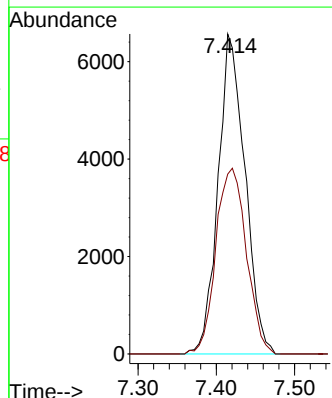
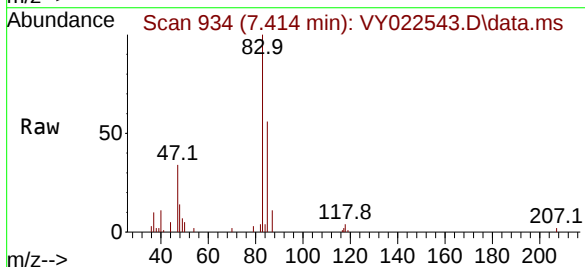
Acq: 04 Jun 2025 12:16

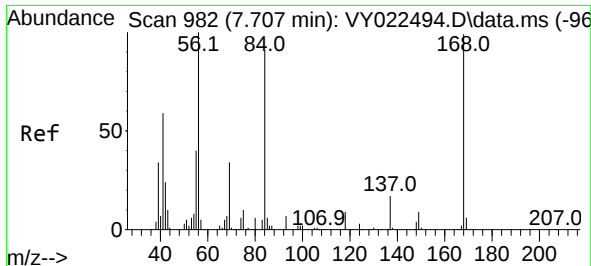
Tgt Ion: 83 Resp: 15667

Ion Ratio Lower Upper

83 100

85 56.2 54.2 81.4

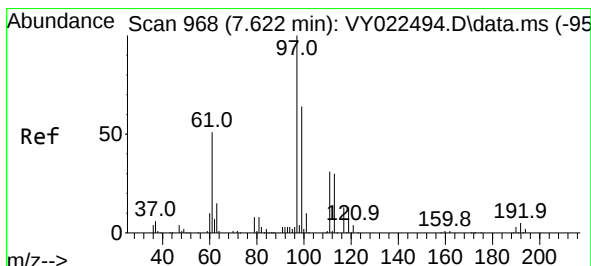
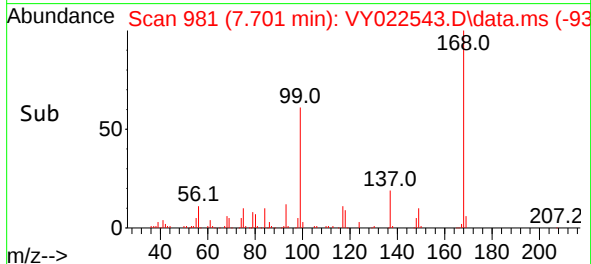
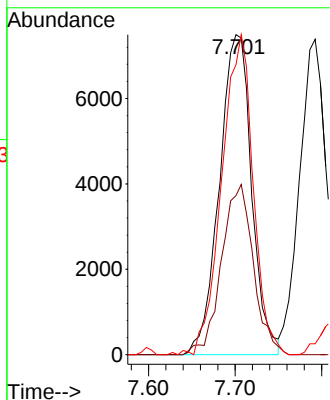
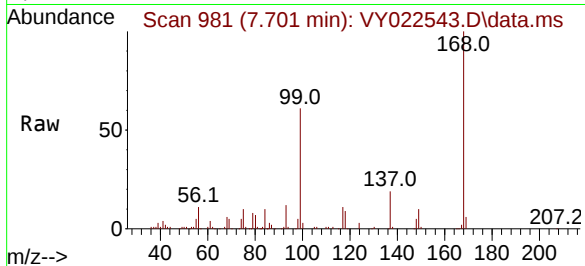




#31
Cyclohexane
Concen: 5.245 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

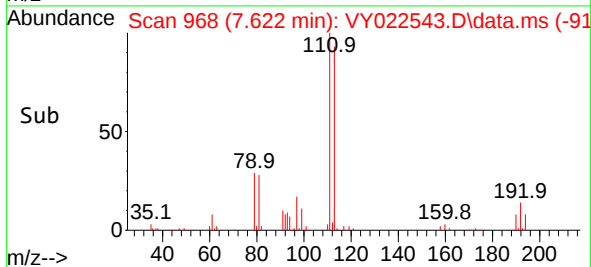
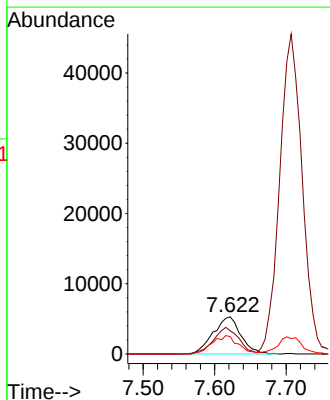
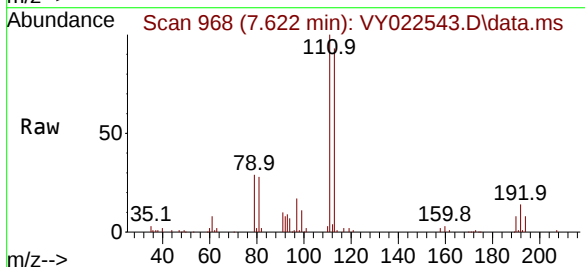
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion: 56 Resp: 19408
Ion Ratio Lower Upper
56 100
69 49.7 27.0 40.6#
84 90.6 72.6 109.0



#32
1,1,1-Trichloroethane
Concen: 4.330 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 97 Resp: 14151
Ion Ratio Lower Upper
97 100
99 65.2 50.9 76.3
61 46.3 38.5 57.7

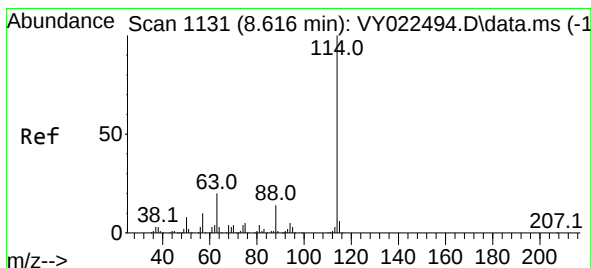
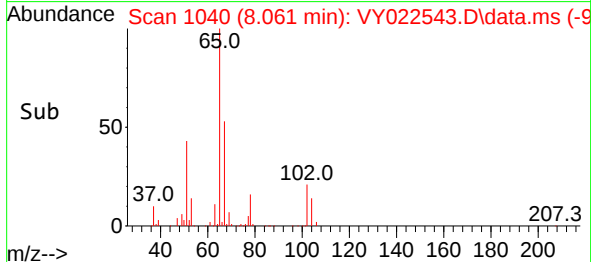
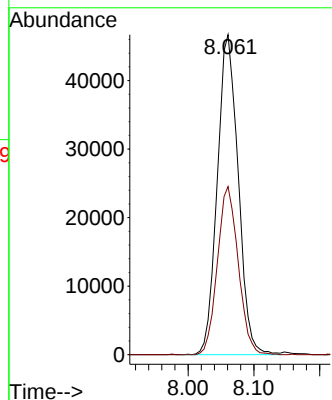
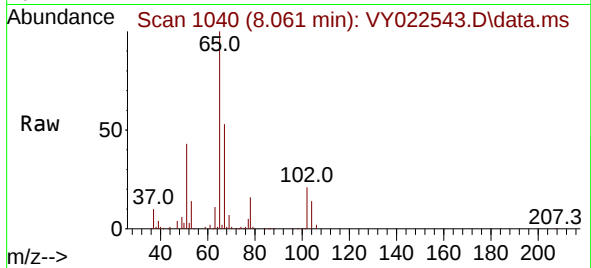




#33
1,2-Dichloroethane-d4
Concen: 53.694 ug/l
RT: 8.061 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

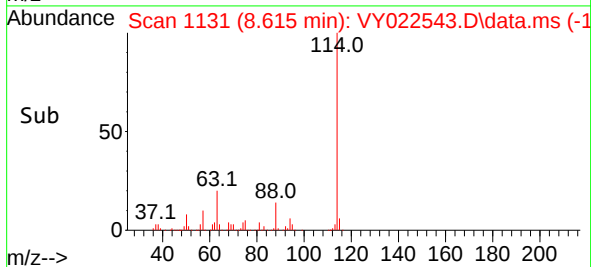
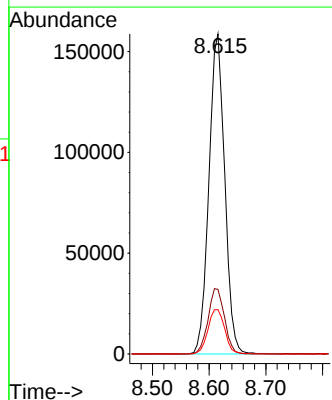
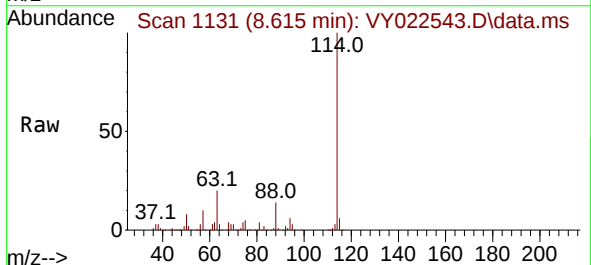
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

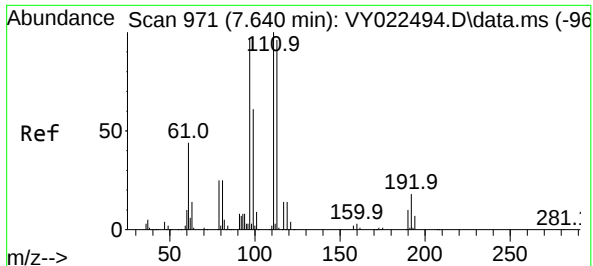
Tgt Ion: 65 Resp: 103404
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 114 Resp: 307202
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 13.9 0.0 27.8

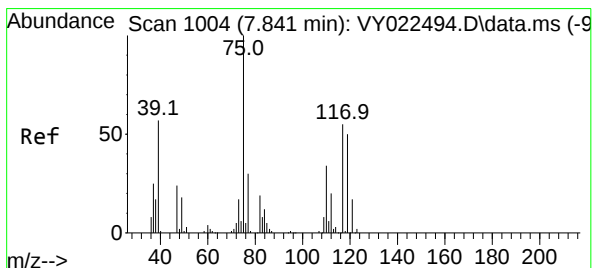
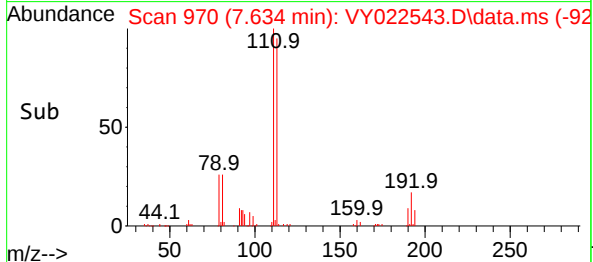
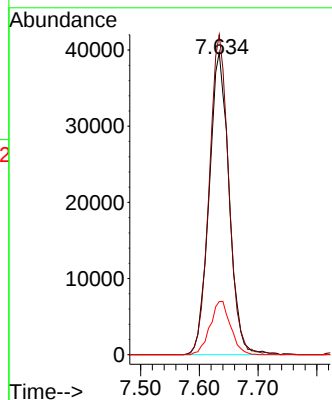
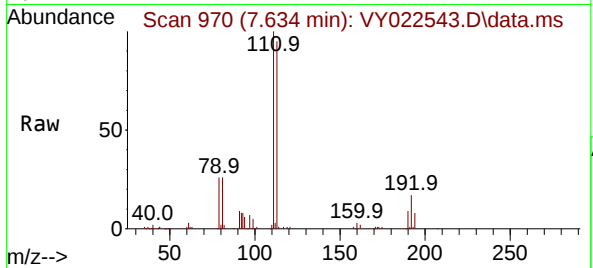




#35
Dibromofluoromethane
Concen: 51.045 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

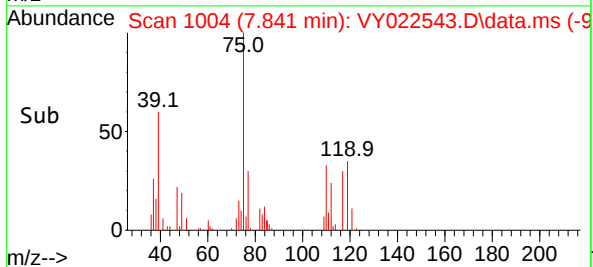
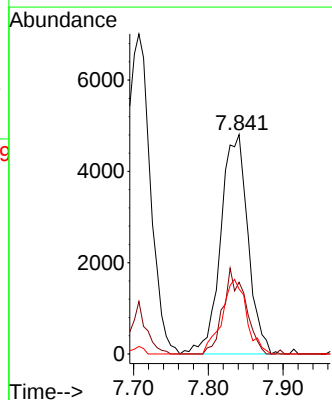
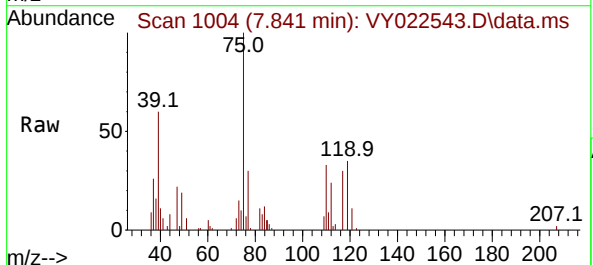
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion:113 Resp: 93597
Ion Ratio Lower Upper
113 100
111 103.8 81.1 121.7
192 18.1 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.091 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 75 Resp: 12175
Ion Ratio Lower Upper
75 100
110 31.9 16.9 50.7
77 30.7 24.8 37.2





#37

Ethyl Acetate

Concen: 4.236 ug/l

RT: 6.976 min Scan# 8

Delta R.T. -0.019 min

Lab File: VY022543.D

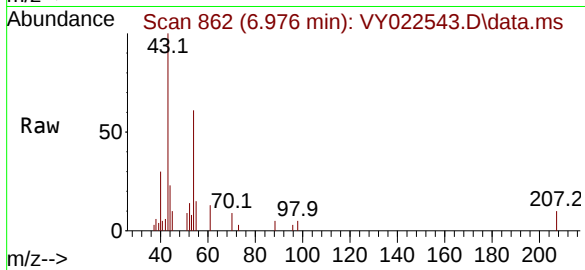
Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025



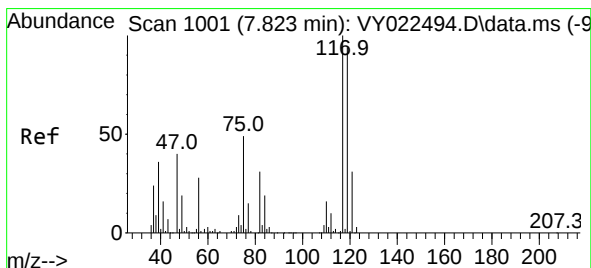
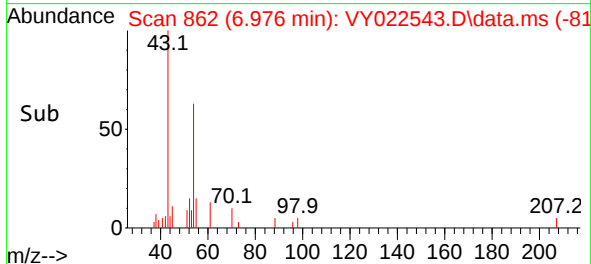
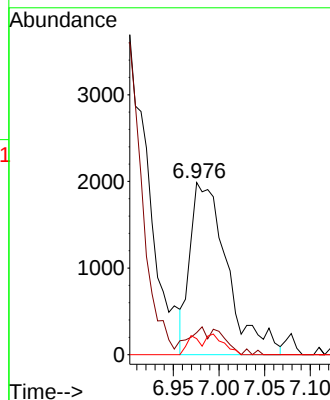
Tgt Ion: 43 Resp: 5622

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 3.9 7.2 10.8#



#38

Carbon Tetrachloride

Concen: 3.934 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

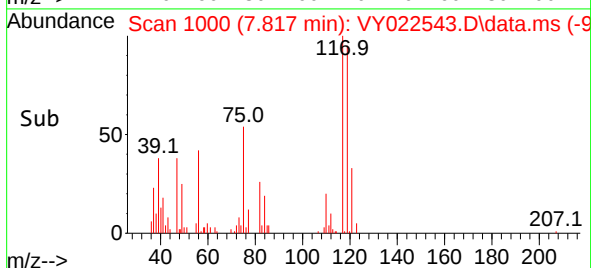
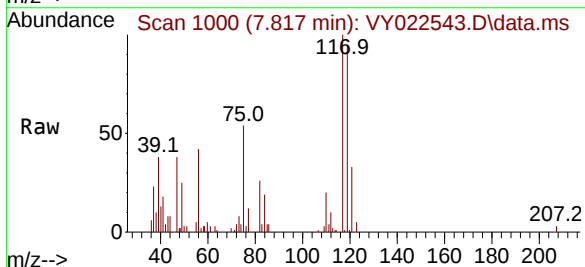
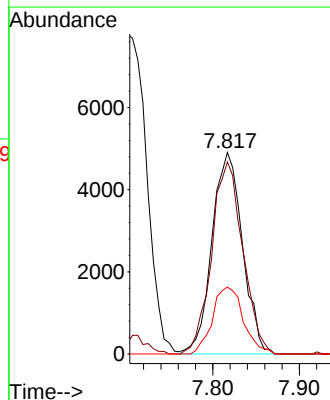
Tgt Ion: 117 Resp: 12010

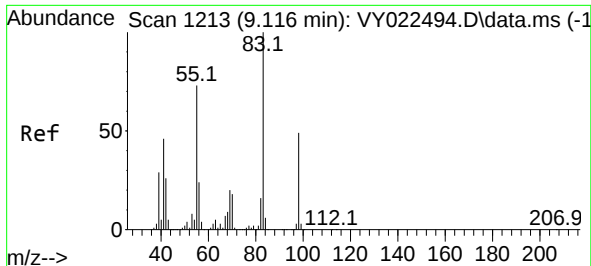
Ion Ratio Lower Upper

117 100

119 95.4 75.0 112.6

121 33.2 25.0 37.4

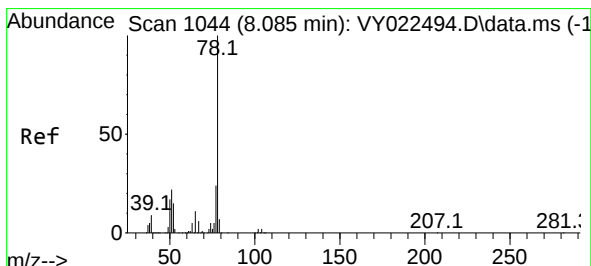
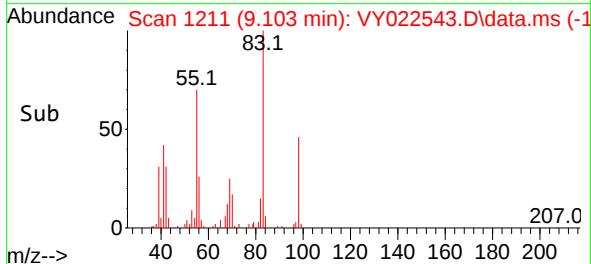
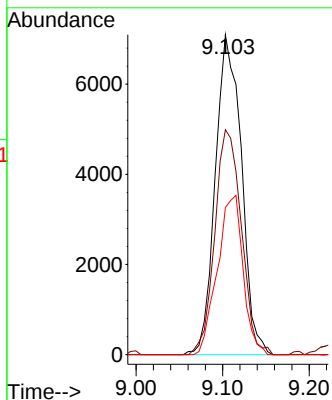
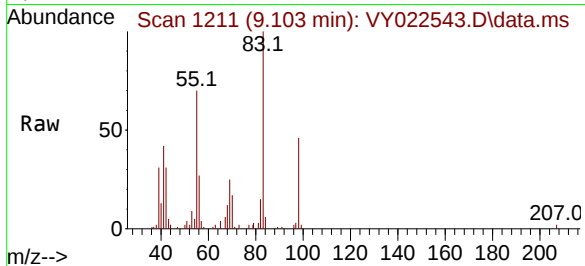




#39
Methylcyclohexane
Concen: 3.705 ug/l
RT: 9.103 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

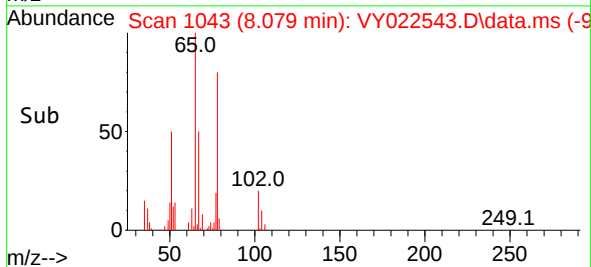
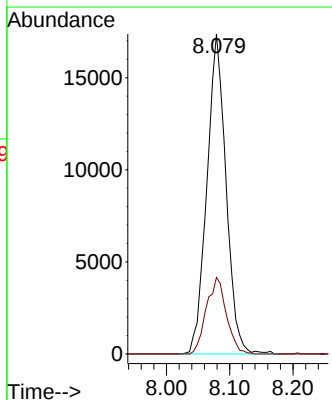
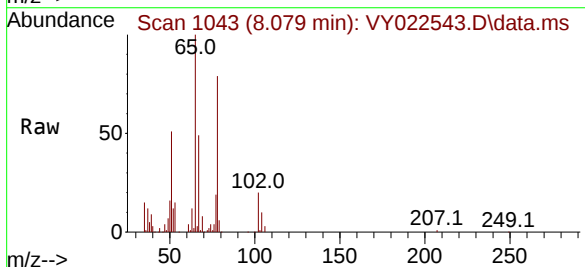
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

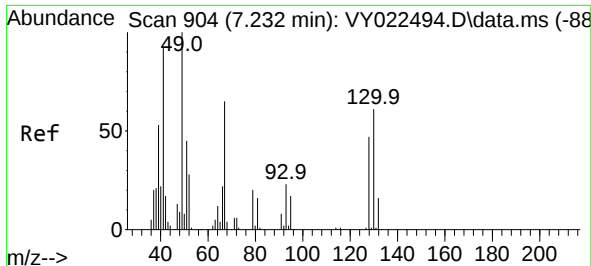
Tgt Ion:	83	Resp:	14818
Ion	Ratio	Lower	Upper
83	100		
55	70.3	58.1	87.1
98	46.0	39.0	58.6



#40
Benzene
Concen: 4.164 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

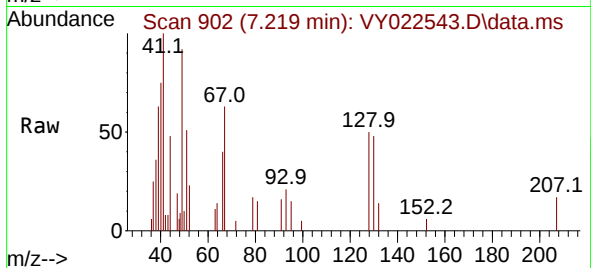
Tgt Ion:	78	Resp:	36604
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9



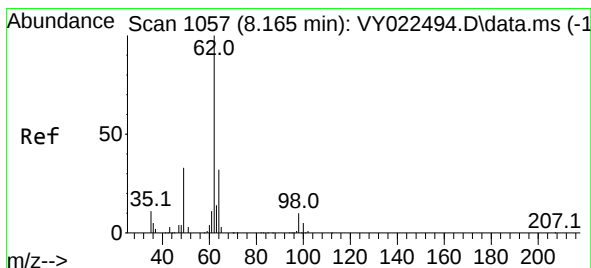
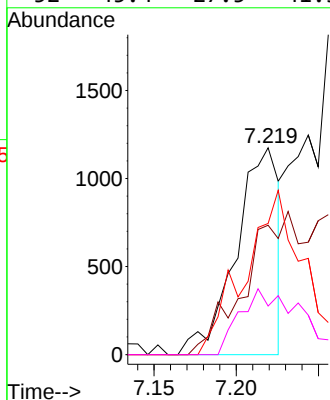
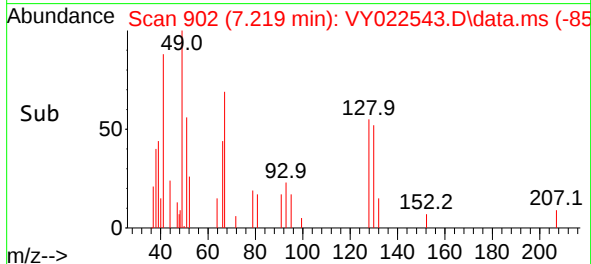


#41
Methacrylonitrile
Concen: 2.759 ug/l
RT: 7.219 min Scan# 904
Delta R.T. -0.012 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

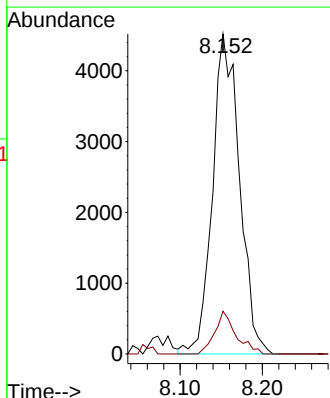
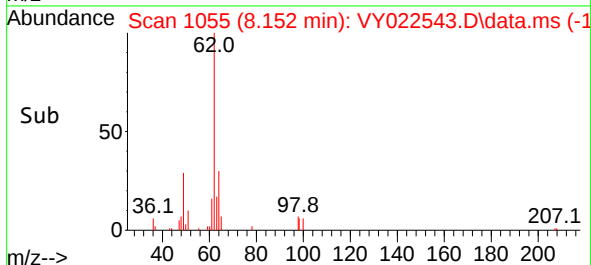
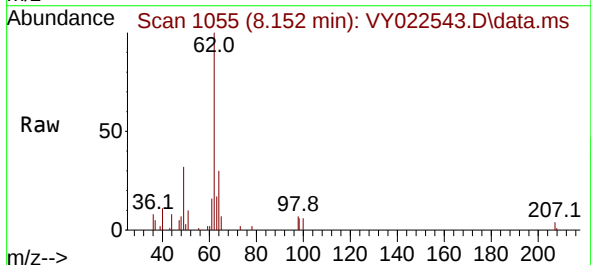


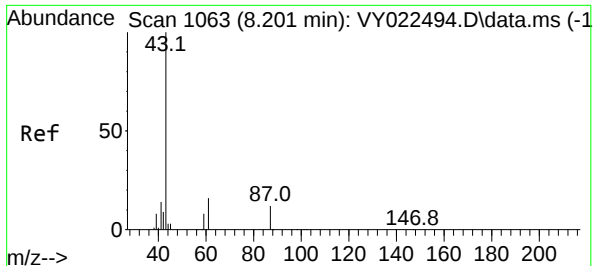
Tgt Ion:	41	Resp:	2139
Ion	Ratio	Lower	Upper
41	100		
39	58.4	46.6	69.8
67	105.4	63.3	94.9#
52	45.4	27.5	41.3#



#42
1,2-Dichloroethane
Concen: 4.294 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.012 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion:	62	Resp:	10305
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	19.2

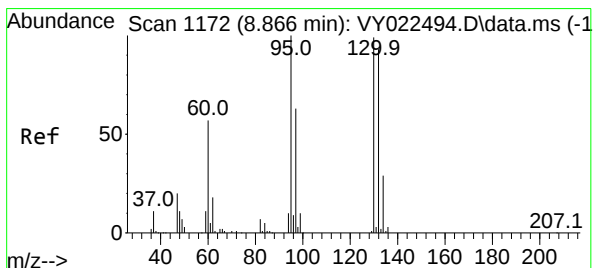
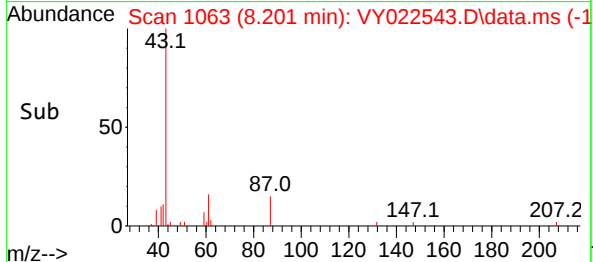
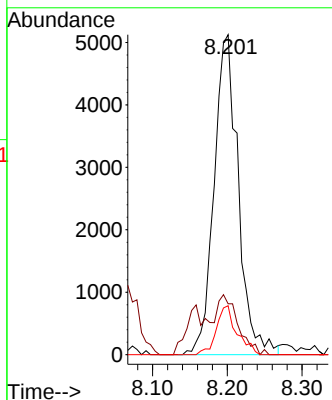
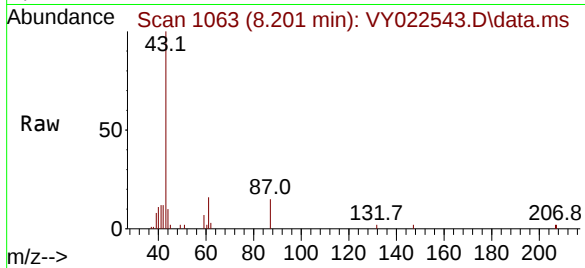




#43
Isopropyl Acetate
Concen: 4.027 ug/l
RT: 8.201 min Scan# 11542
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

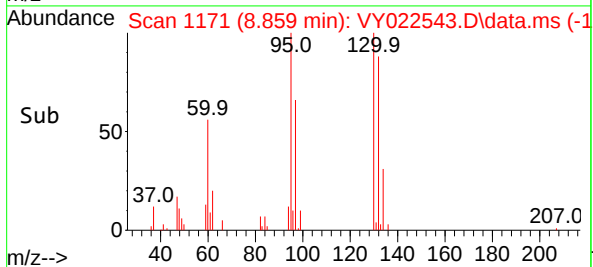
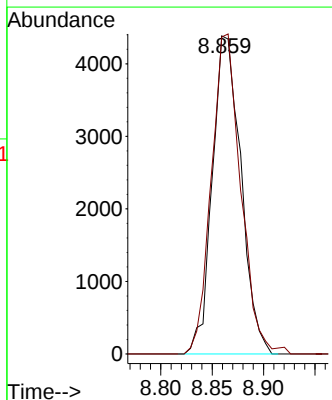
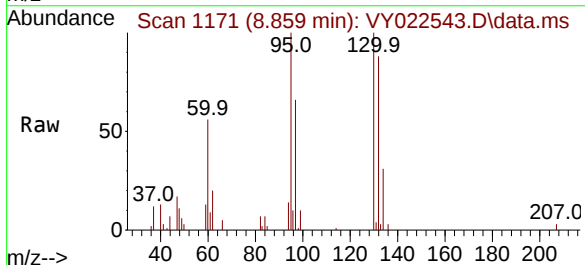
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025

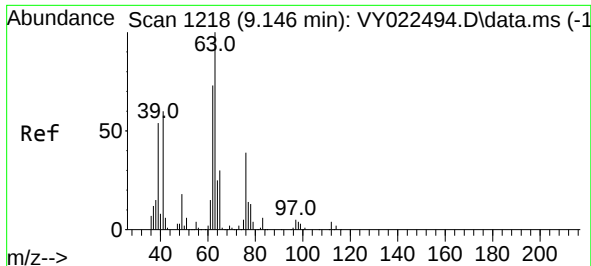
Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.6	15.6	23.4#
87	12.9	10.2	15.4



#44
Trichloroethene
Concen: 3.955 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	203.0





#45

1,2-Dichloropropane

Concen: 3.931 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

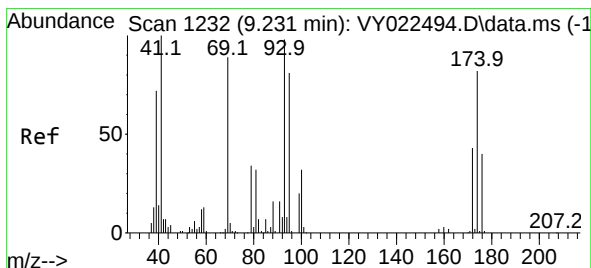
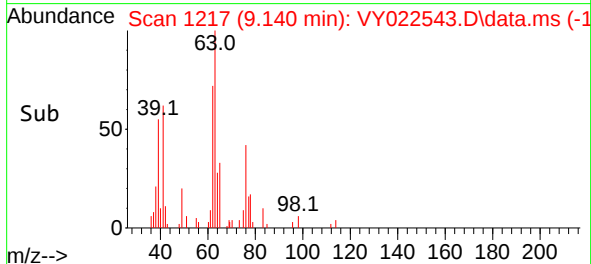
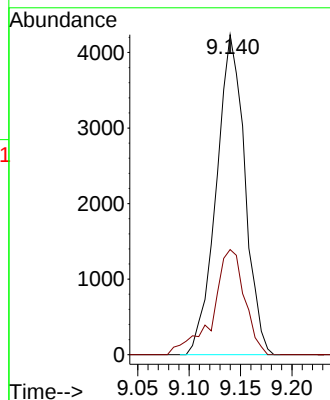
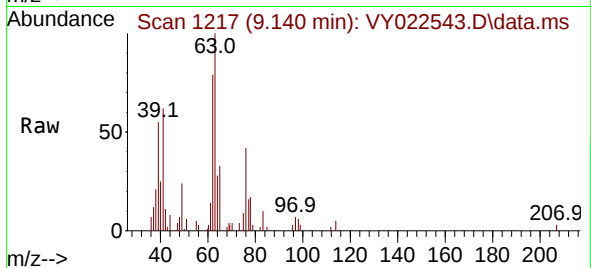
MDL-SOIL-03-QT2-2025

Tgt Ion: 63 Resp: 8165

Ion Ratio Lower Upper

63 100

65 32.9 24.0 36.0



#46

Dibromomethane

Concen: 4.193 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

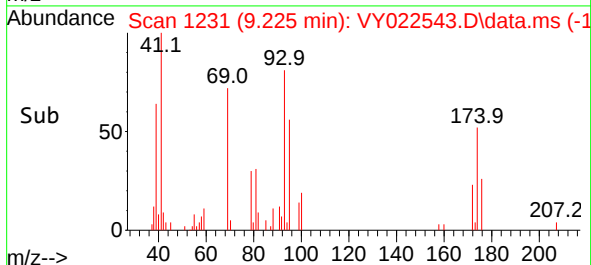
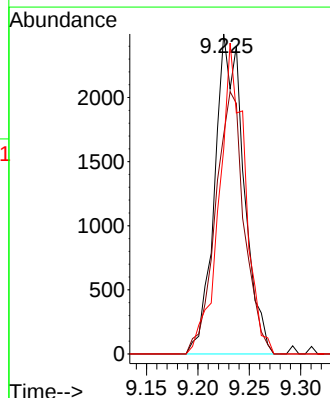
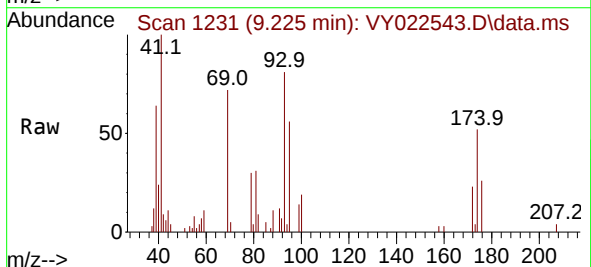
Tgt Ion: 93 Resp: 4900

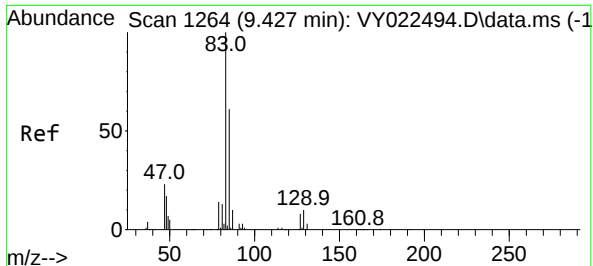
Ion Ratio Lower Upper

93 100

95 81.6 65.6 98.4

174 86.2 70.4 105.6





#47

Bromodichloromethane

Concen: 4.130 ug/l

RT: 9.420 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

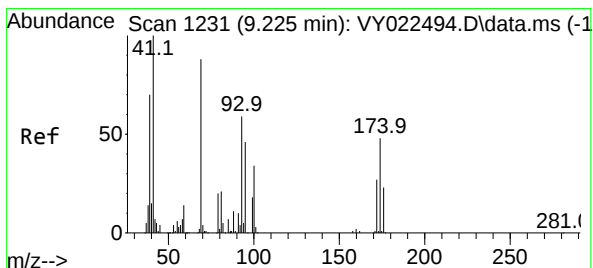
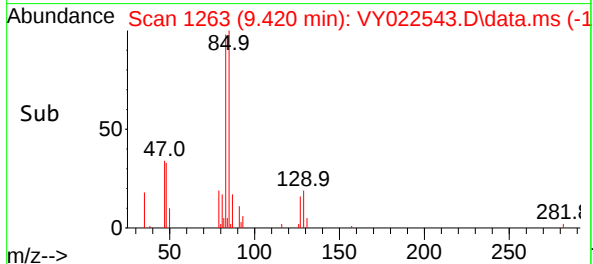
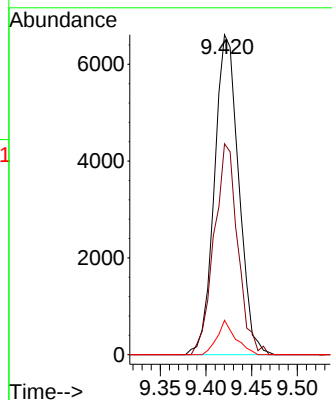
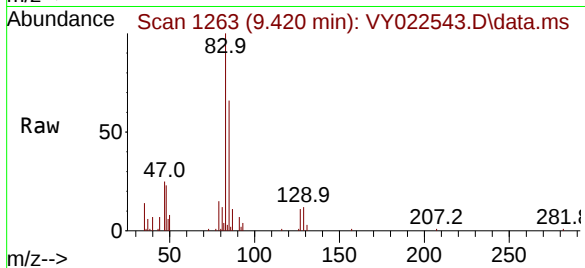
Tgt Ion: 83 Resp: 12239

Ion Ratio Lower Upper

83 100

85 65.9 49.1 73.7

127 10.7 6.2 9.4#



#48

Methyl methacrylate

Concen: 3.784 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

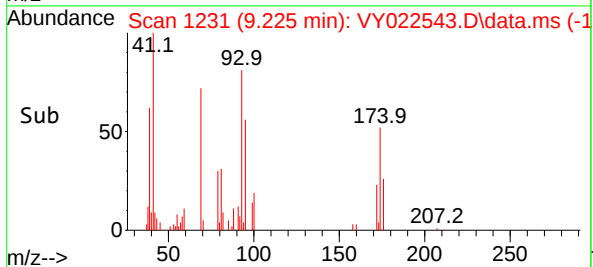
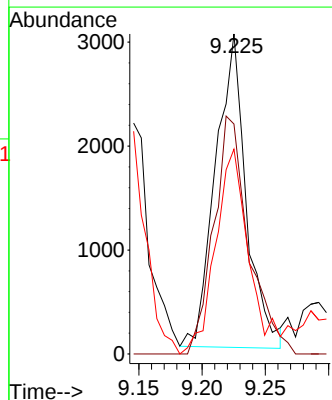
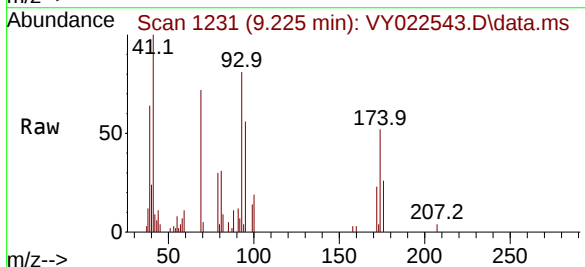
Tgt Ion: 41 Resp: 5090

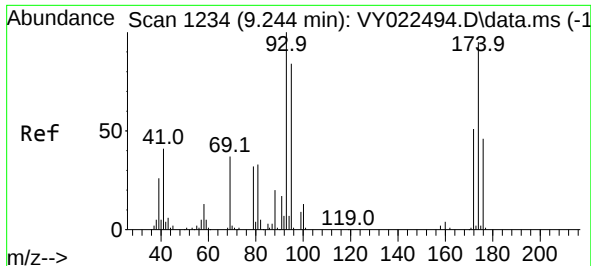
Ion Ratio Lower Upper

41 100

69 86.3 67.8 101.8

39 70.6 55.0 82.4





#49

1,4-Dioxane

Concen: 72.732 ug/l

RT: 9.231 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

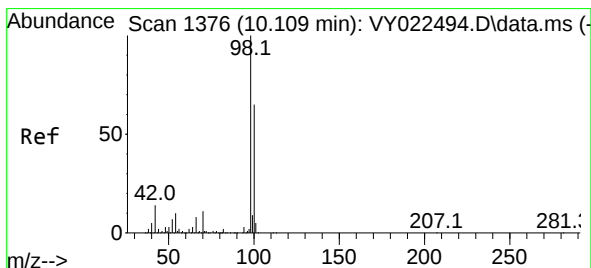
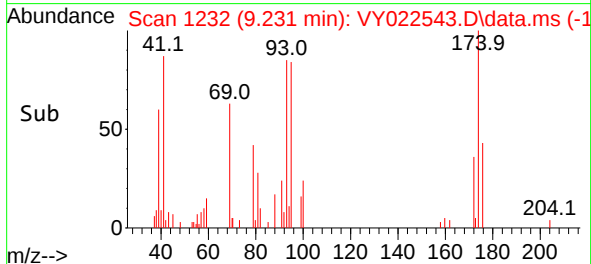
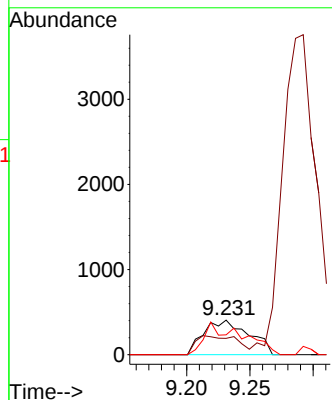
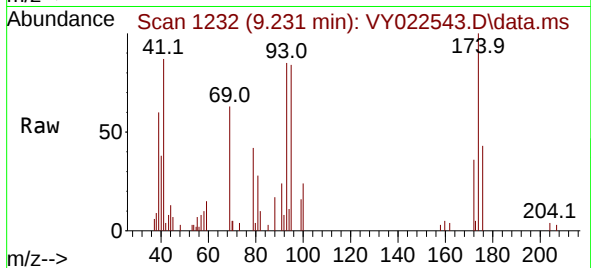
Tgt Ion: 88 Resp: 1007

Ion Ratio Lower Upper

88 100

43 50.1 25.4 38.2#

58 39.2 54.9 82.3#



#50

Toluene-d8

Concen: 50.852 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022543.D

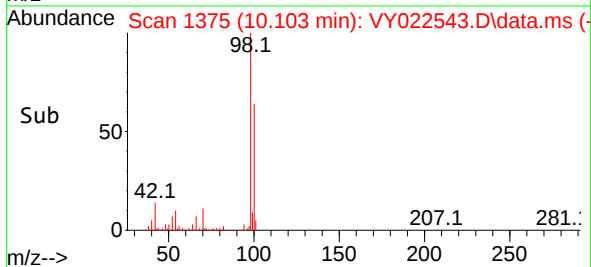
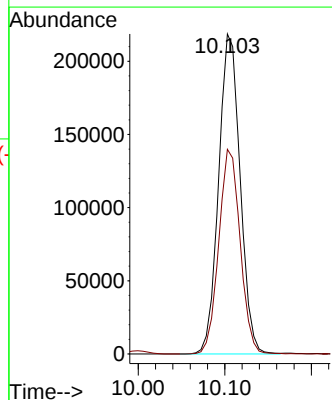
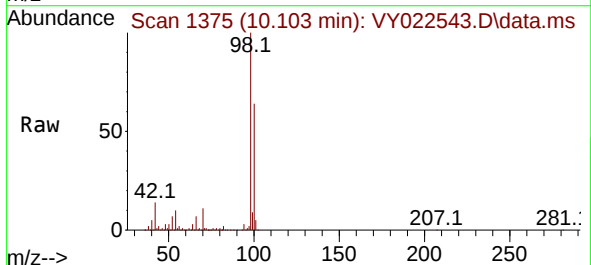
Acq: 04 Jun 2025 12:16

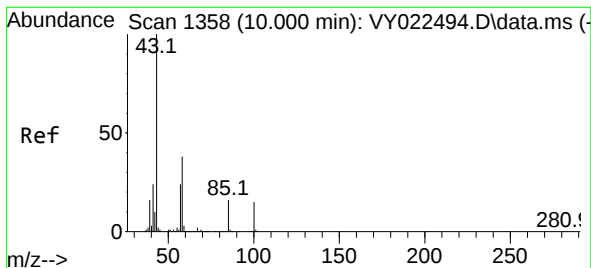
Tgt Ion: 98 Resp: 376762

Ion Ratio Lower Upper

98 100

100 63.7 51.4 77.0

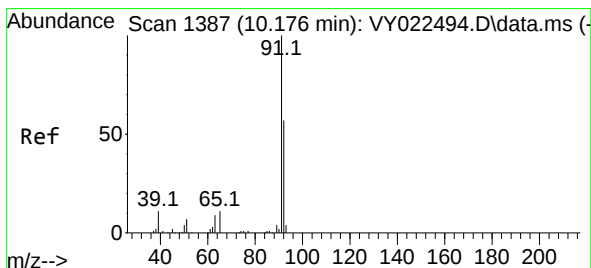
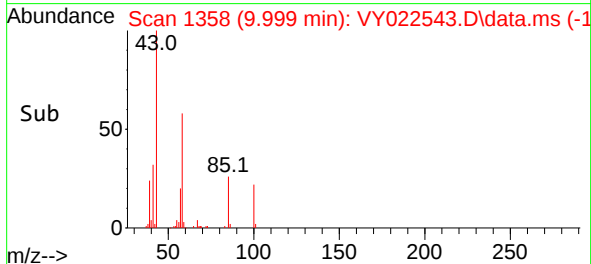
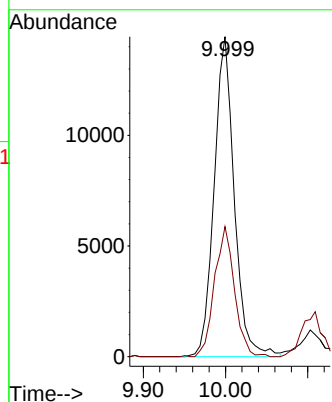
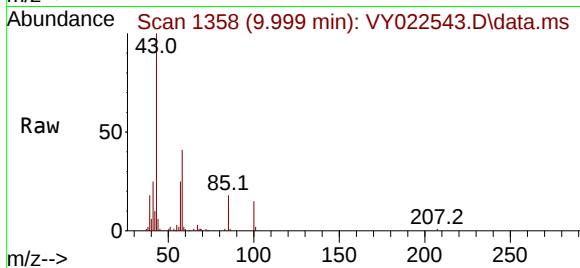




#51
4-Methyl-2-Pentanone
Concen: 17.205 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

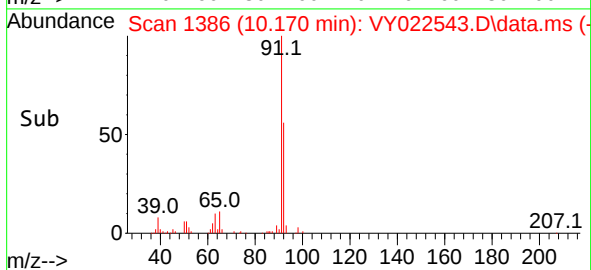
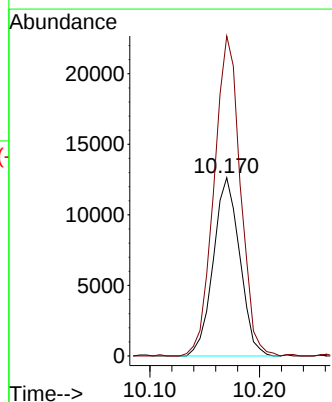
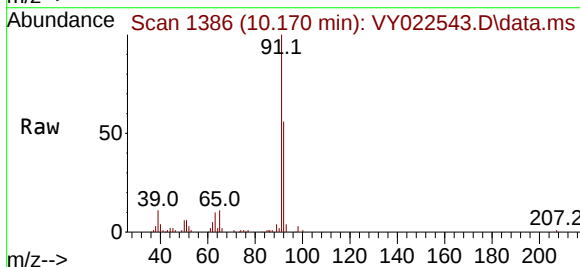
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025

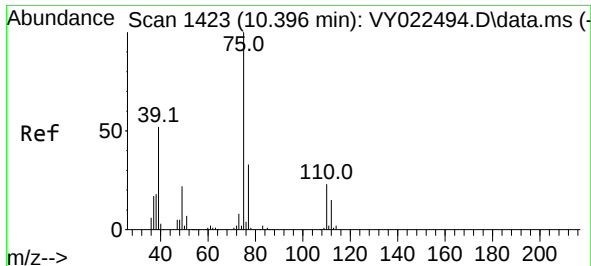
Tgt Ion: 43 Resp: 24587
Ion Ratio Lower Upper
43 100
58 40.4 30.4 45.6



#52
Toluene
Concen: 3.829 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 92 Resp: 21148
Ion Ratio Lower Upper
92 100
91 179.6 139.0 208.4

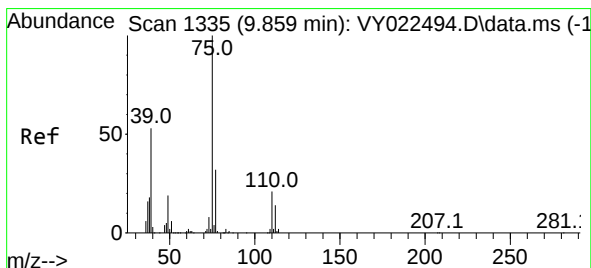
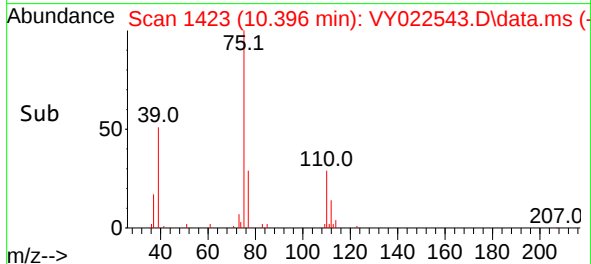
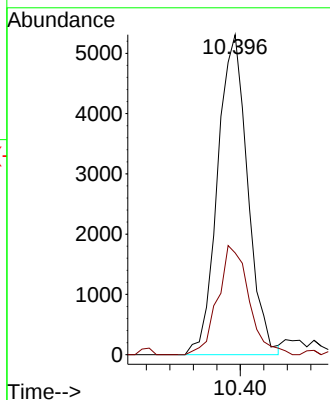
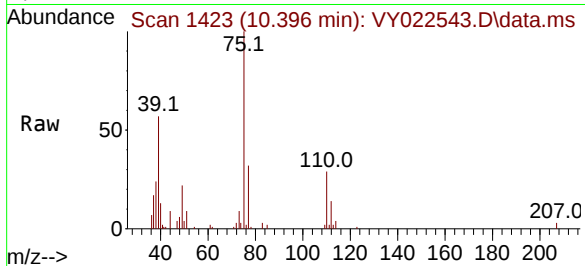




#53
t-1,3-Dichloropropene
Concen: 3.395 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

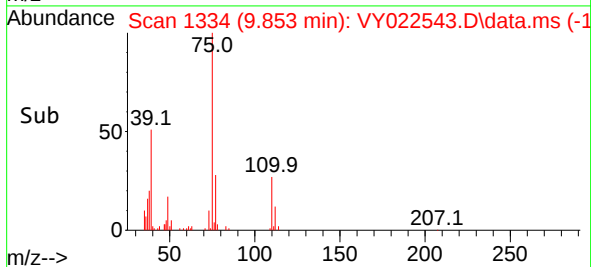
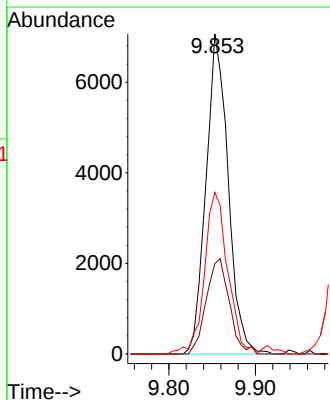
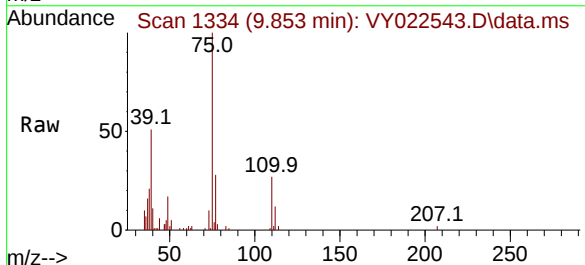
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025

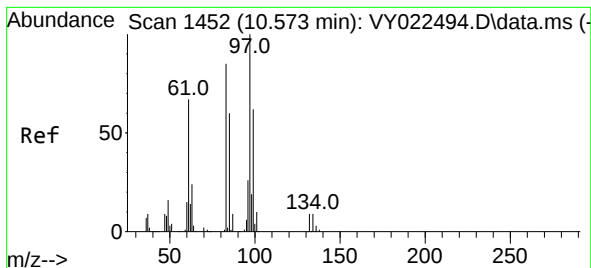
Tgt Ion: 75 Resp: 9425
Ion Ratio Lower Upper
75 100
77 31.8 26.5 39.7



#54
cis-1,3-Dichloropropene
Concen: 3.878 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 75 Resp: 12535
Ion Ratio Lower Upper
75 100
77 28.2 25.3 37.9
39 49.3 42.7 64.1





#55

1,1,2-Trichloroethane

Concen: 3.973 ug/l

RT: 10.572 min Scan# 1452

Delta R.T. -0.000 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion: 97 Resp: 5921

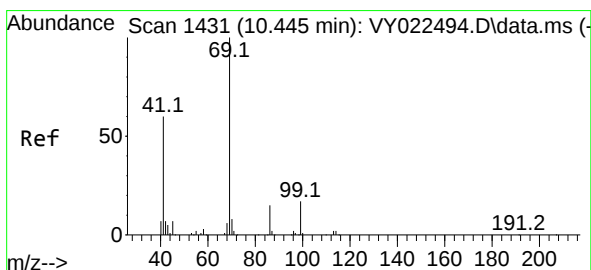
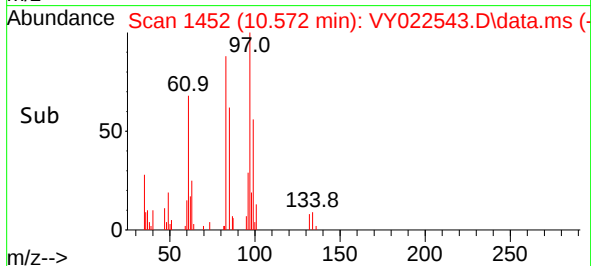
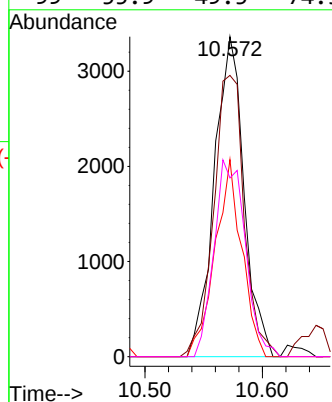
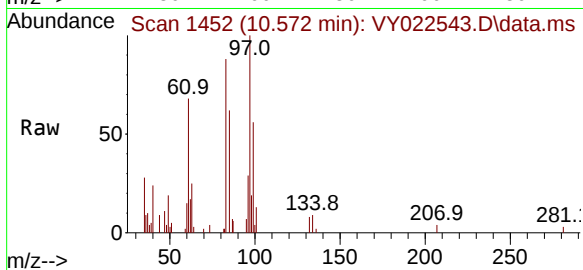
Ion Ratio Lower Upper

97 100

83 87.9 68.1 102.1

85 61.6 48.2 72.2

99 55.9 49.5 74.3



#56

Ethyl methacrylate

Concen: 3.401 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

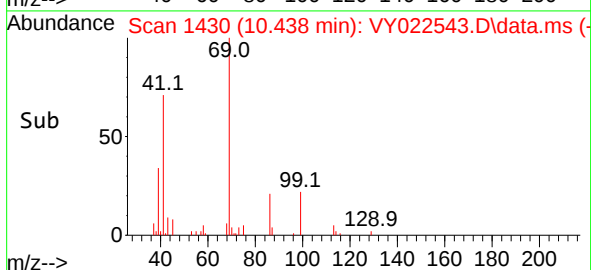
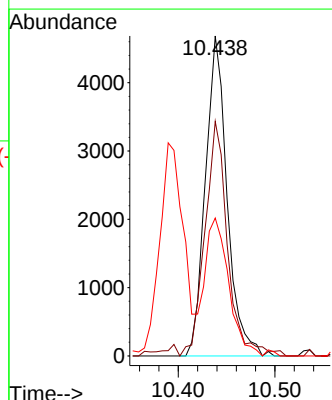
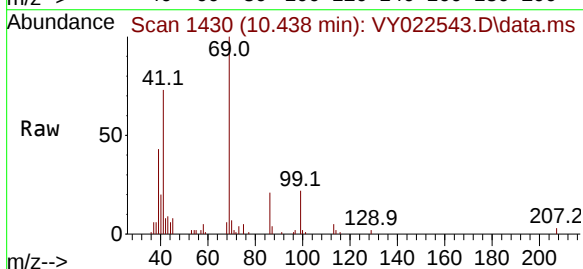
Tgt Ion: 69 Resp: 7326

Ion Ratio Lower Upper

69 100

41 76.3 52.2 78.2

39 46.2 36.7 55.1





#57

1,3-Dichloropropane

Concen: 3.924 ug/l

RT: 10.713 min Scan# 1476

Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

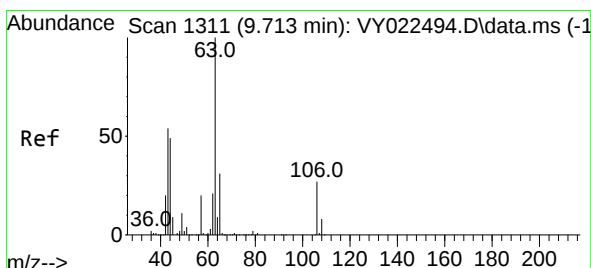
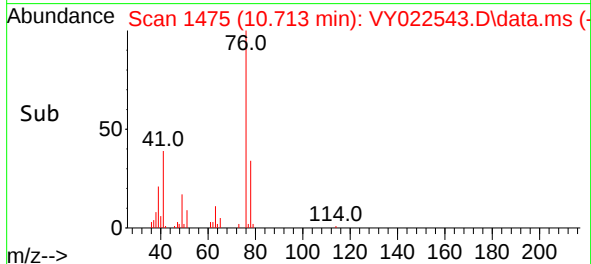
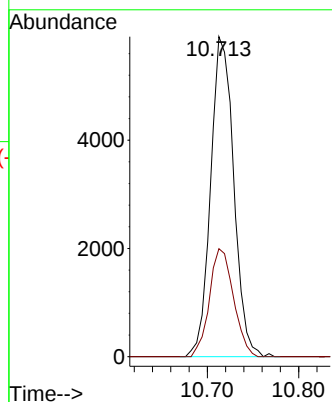
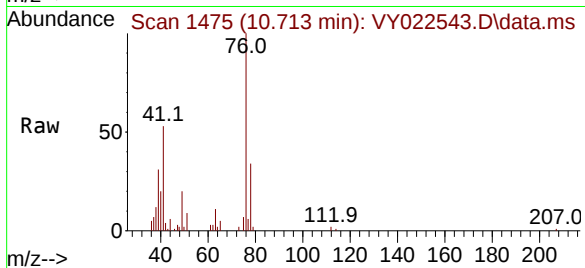
MDL-SOIL-03-QT2-2025

Tgt Ion: 76 Resp: 10363

Ion Ratio Lower Upper

76 100

78 35.2 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 19.977 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. -0.000 min

Lab File: VY022543.D

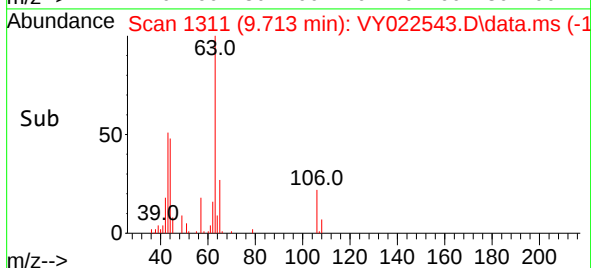
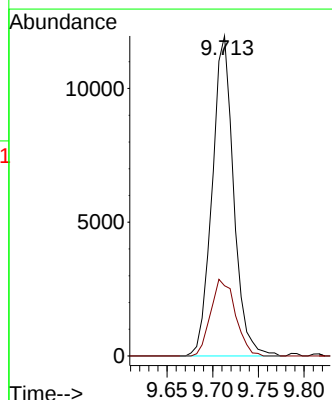
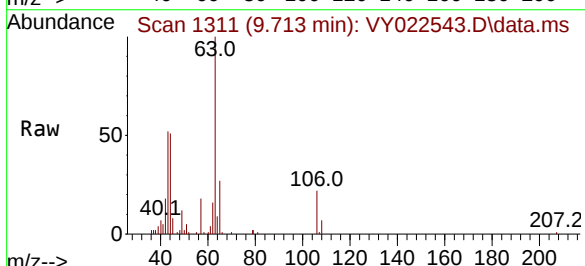
Acq: 04 Jun 2025 12:16

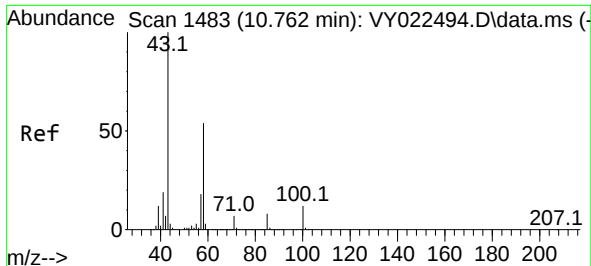
Tgt Ion: 63 Resp: 19535

Ion Ratio Lower Upper

63 100

106 27.6 21.6 32.4

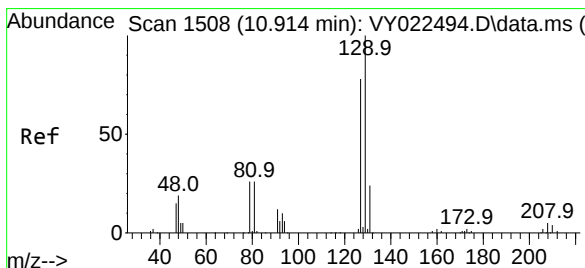
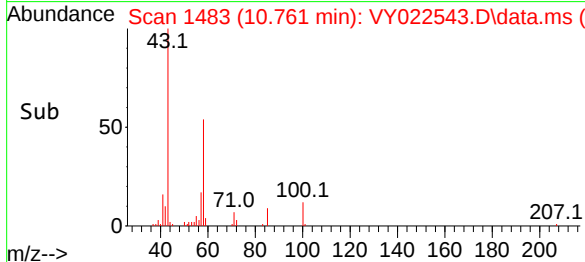
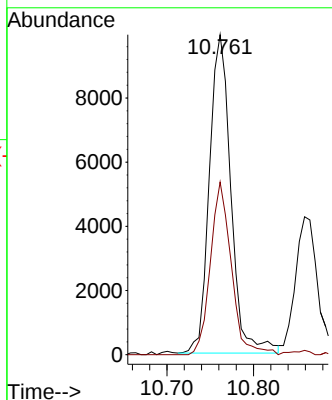
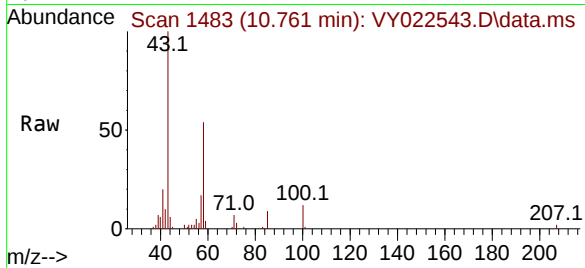




#59
2-Hexanone
Concen: 17.938 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

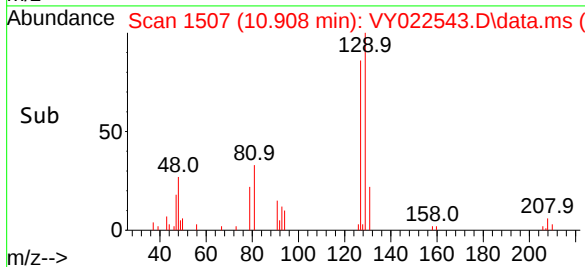
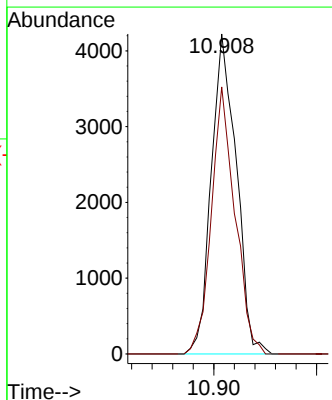
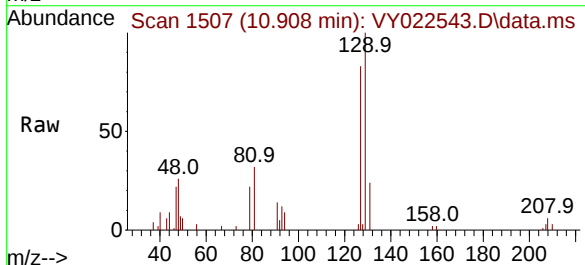
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

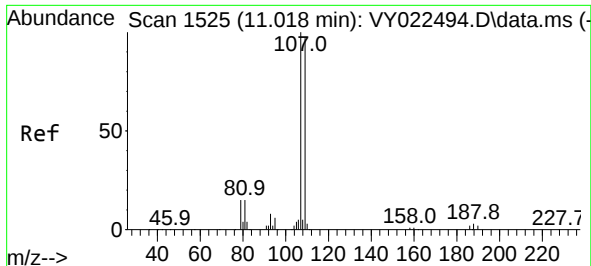
Tgt Ion: 43 Resp: 17144
Ion Ratio Lower Upper
43 100
58 52.6 27.3 81.8



#60
Dibromochloromethane
Concen: 3.766 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 129 Resp: 7132
Ion Ratio Lower Upper
129 100
127 78.8 39.1 117.2

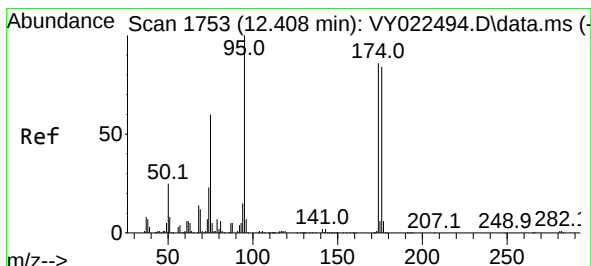
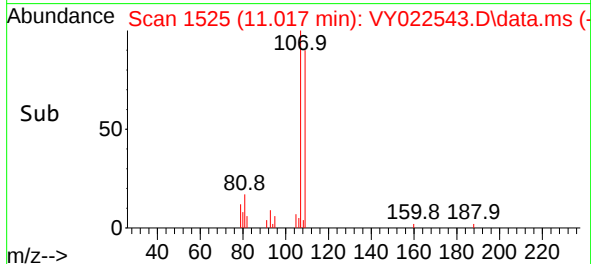
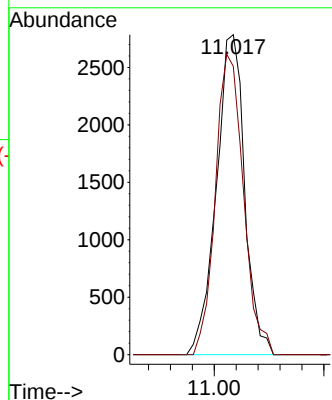
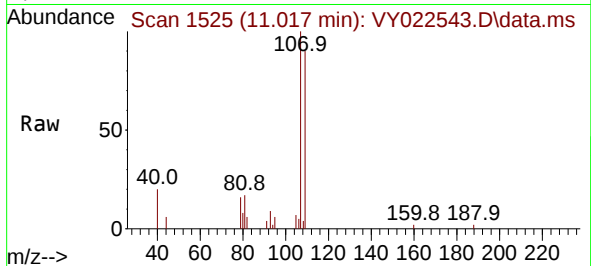




#61
1,2-Dibromoethane
Concen: 3.680 ug/l
RT: 11.017 min Scan# 11017
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

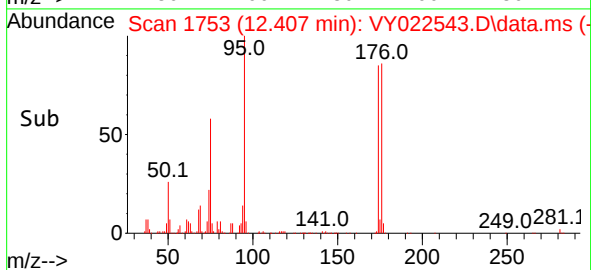
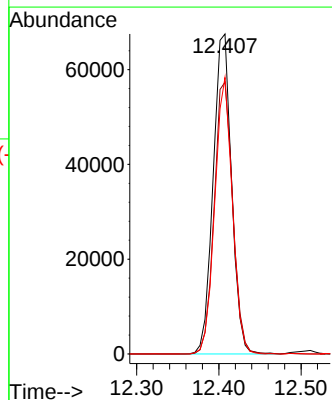
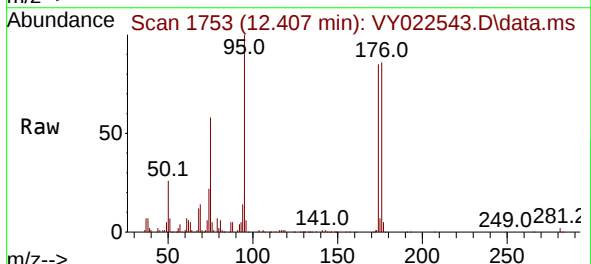
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025

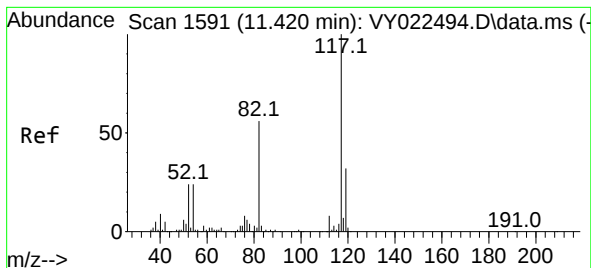
Tgt Ion:107 Resp: 4999
Ion Ratio Lower Upper
107 100
109 92.8 77.7 116.5



#62
4-Bromofluorobenzene
Concen: 47.572 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 95 Resp: 105015
Ion Ratio Lower Upper
95 100
174 85.7 0.0 170.0
176 82.5 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

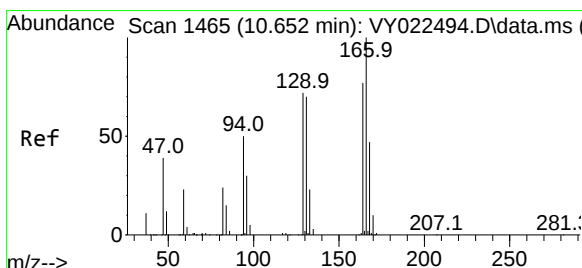
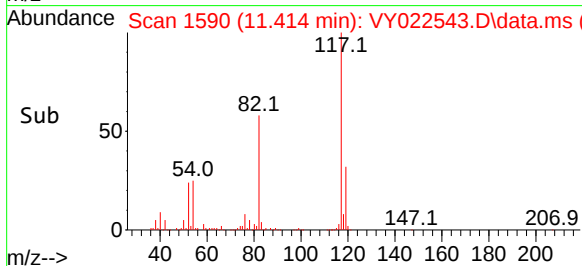
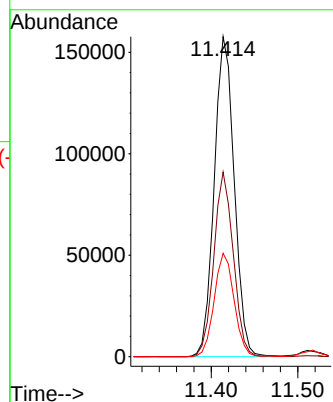
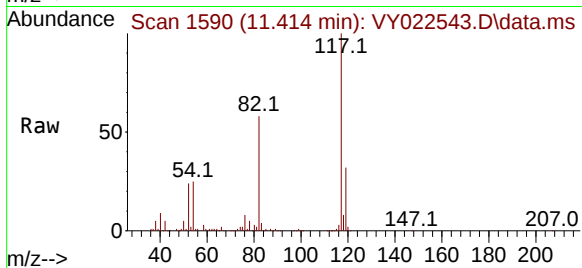
Tgt Ion:117 Resp: 253215

Ion Ratio Lower Upper

117 100

82 57.7 44.6 66.8

119 32.3 25.4 38.0



#64

Tetrachloroethene

Concen: 3.845 ug/l

RT: 10.652 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Tgt Ion:164 Resp: 8376

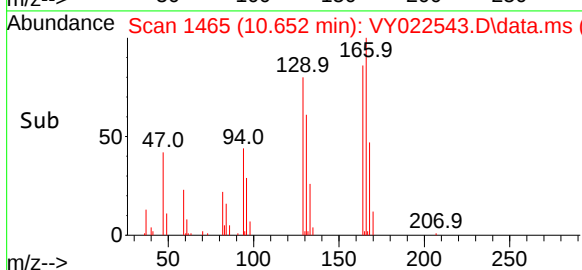
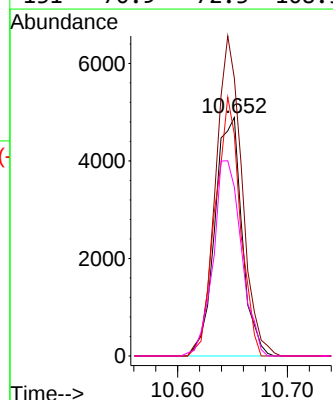
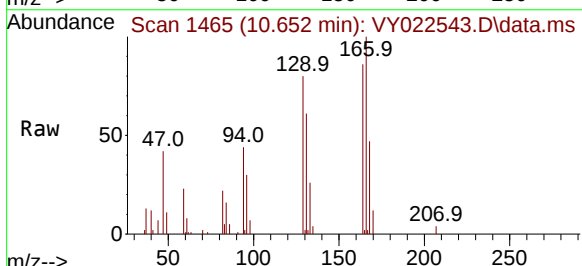
Ion Ratio Lower Upper

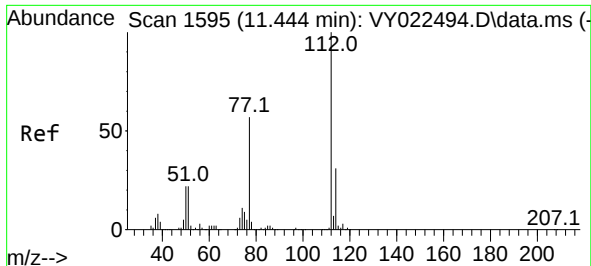
164 100

166 116.6 104.0 156.0

129 93.0 74.5 111.7

131 70.9 72.3 108.5#

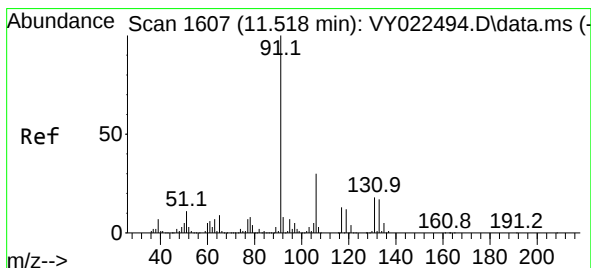
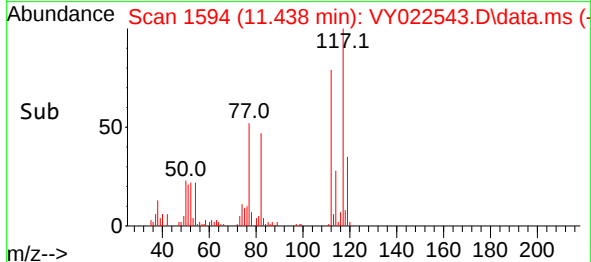
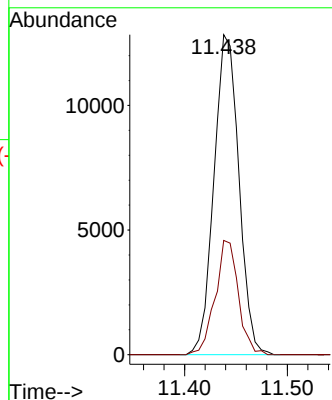
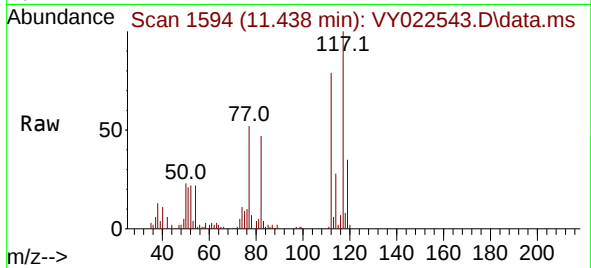




#65
Chlorobenzene
Concen: 3.859 ug/l
RT: 11.438 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

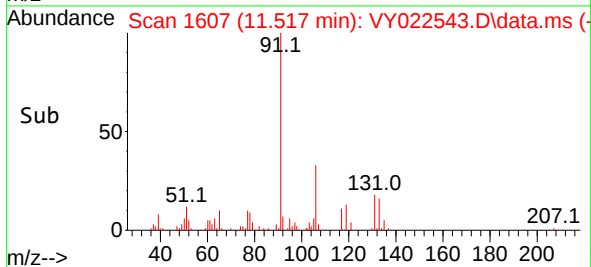
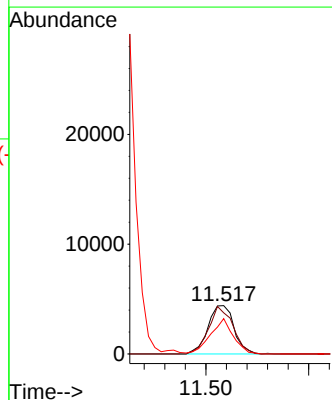
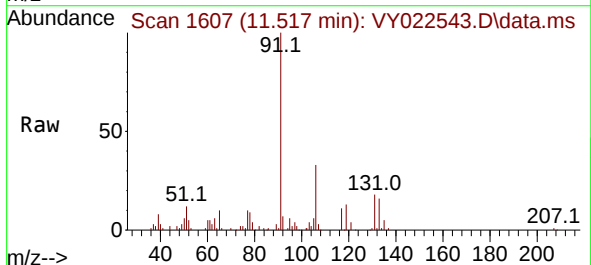
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion:112 Resp: 21621
Ion Ratio Lower Upper
112 100
114 35.7 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 4.102 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion:131 Resp: 7743
Ion Ratio Lower Upper
131 100
133 92.3 47.3 141.8
119 63.7 33.1 99.3





#67

Ethyl Benzene

Concen: 3.774 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

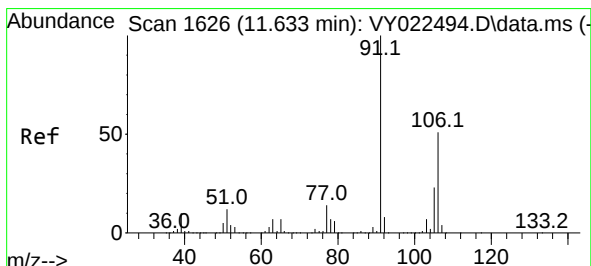
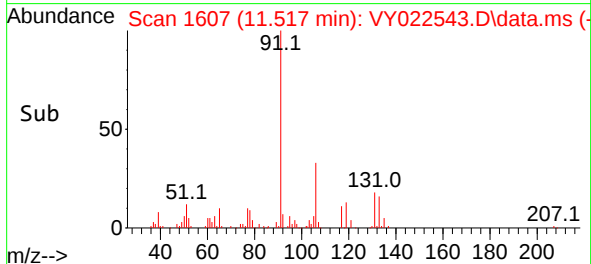
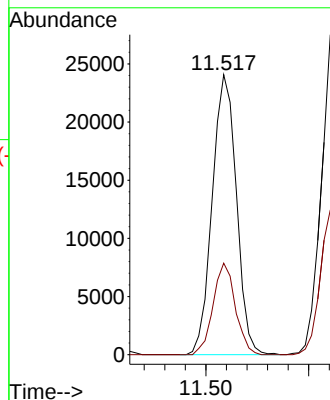
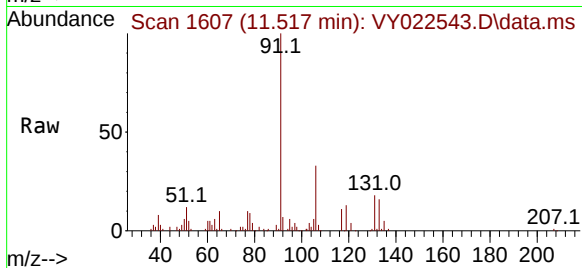
MDL-SOIL-03-QT2-2025

Tgt Ion: 91 Resp: 39221

Ion Ratio Lower Upper

91 100

106 32.7 24.2 36.4



#68

m/p-Xylenes

Concen: 7.135 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY022543.D

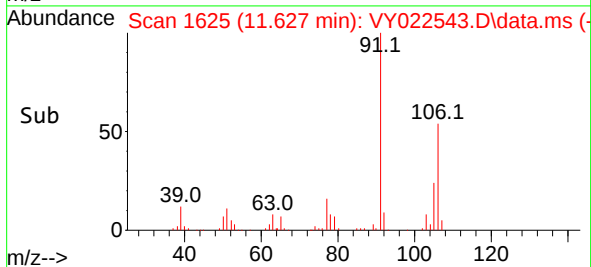
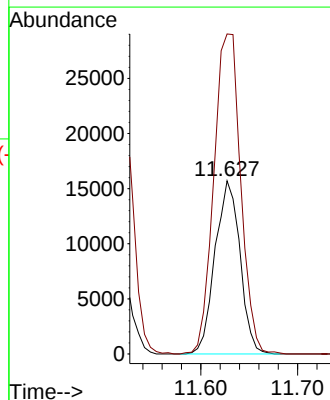
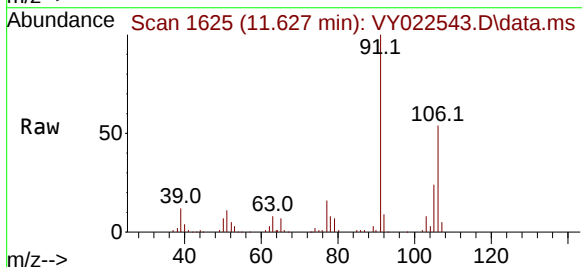
Acq: 04 Jun 2025 12:16

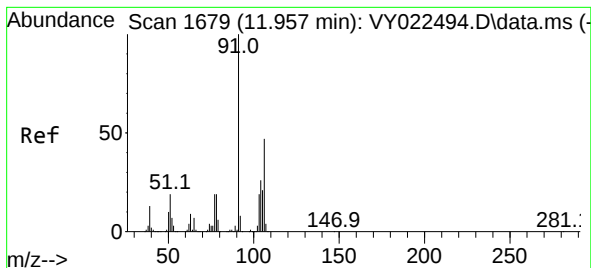
Tgt Ion: 106 Resp: 28111

Ion Ratio Lower Upper

106 100

91 199.2 159.4 239.0





#69

o-Xylene

Concen: 3.682 ug/l

RT: 11.950 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

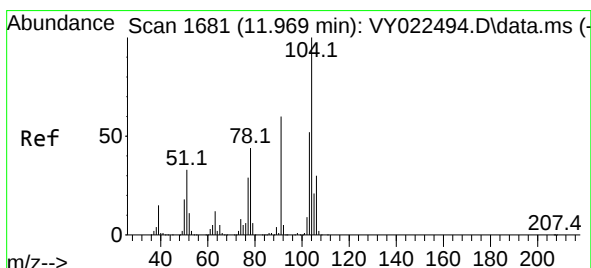
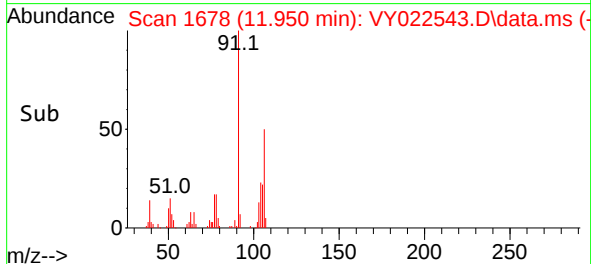
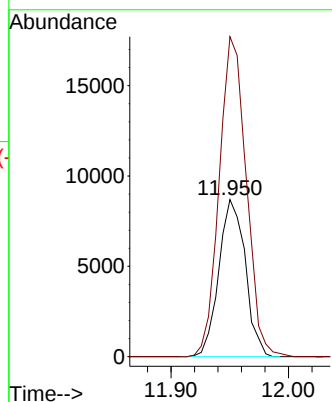
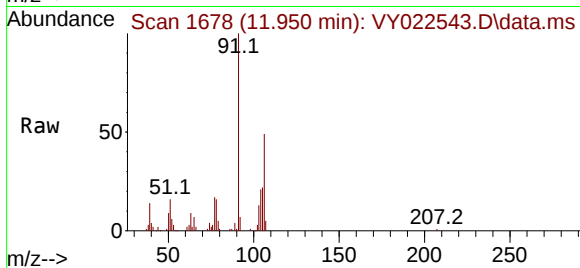
MDL-SOIL-03-QT2-2025

Tgt Ion:106 Resp: 13600

Ion Ratio Lower Upper

106 100

91 208.6 105.8 317.3



#70

Styrene

Concen: 3.590 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

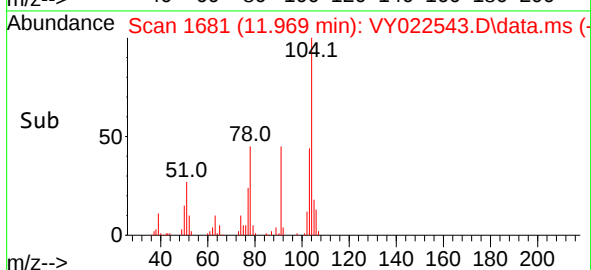
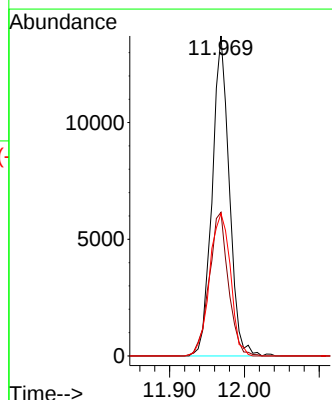
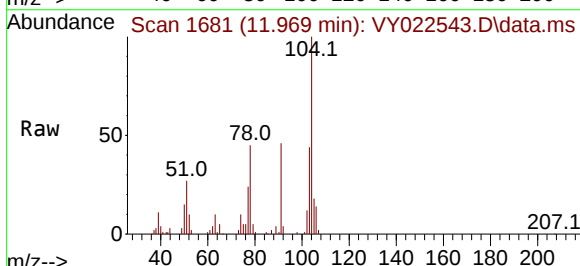
Tgt Ion:104 Resp: 21921

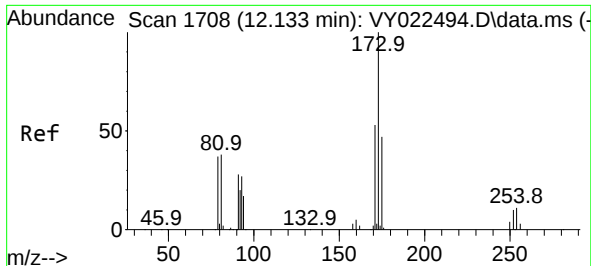
Ion Ratio Lower Upper

104 100

78 50.0 39.5 59.3

103 54.1 44.1 66.1

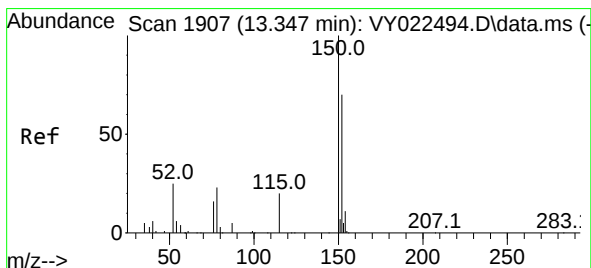
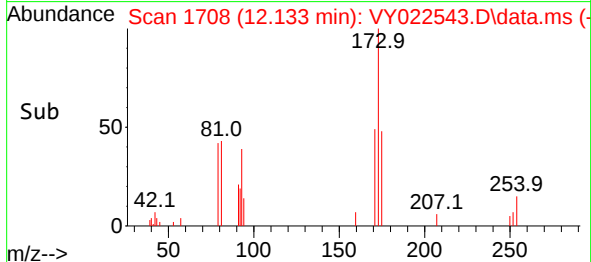
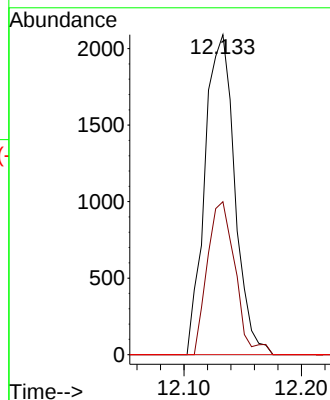
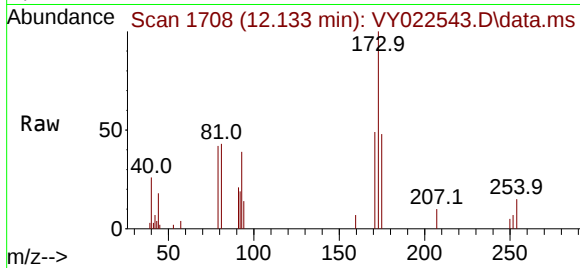




#71
Bromoform
Concen: 3.681 ug/l
RT: 12.133 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

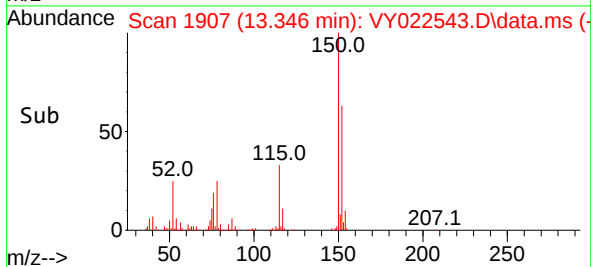
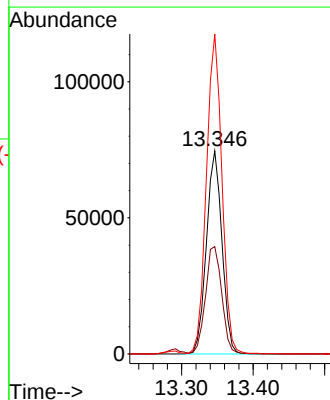
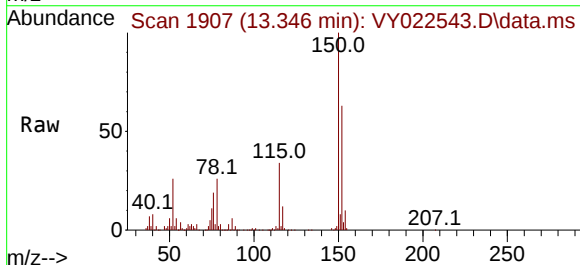
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

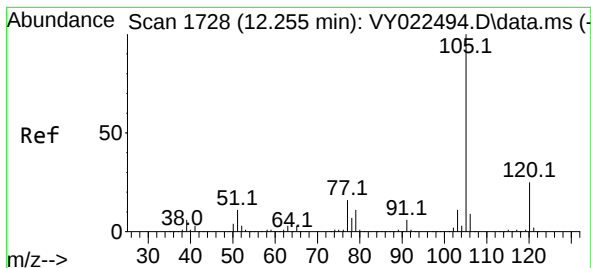
Tgt Ion:173 Resp: 3698
Ion Ratio Lower Upper
173 100
175 44.5 23.8 71.5
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion:152 Resp: 112833
Ion Ratio Lower Upper
152 100
115 55.4 28.9 86.7
150 156.8 0.0 349.6





#73

Isopropylbenzene

Concen: 3.710 ug/l

RT: 12.255 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

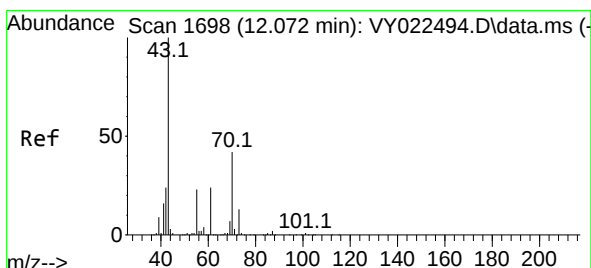
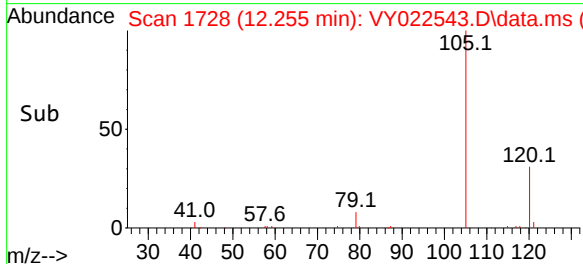
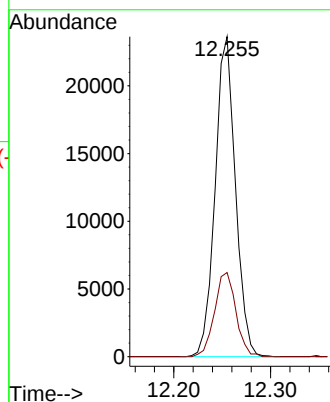
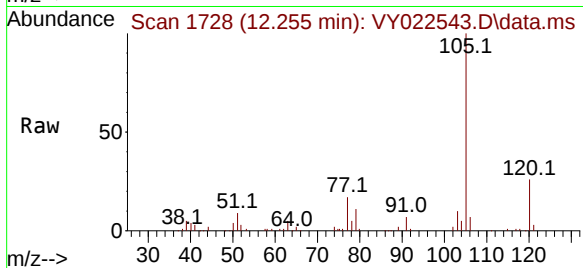
MDL-SOIL-03-QT2-2025

Tgt Ion:105 Resp: 34369

Ion Ratio Lower Upper

105 100

120 27.7 13.0 38.9



#74

N-ethyl acetate

Concen: 3.870 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Tgt Ion: 43 Resp: 9045

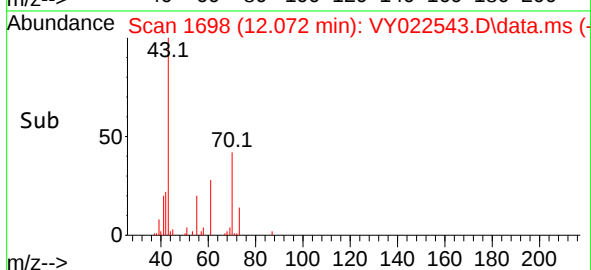
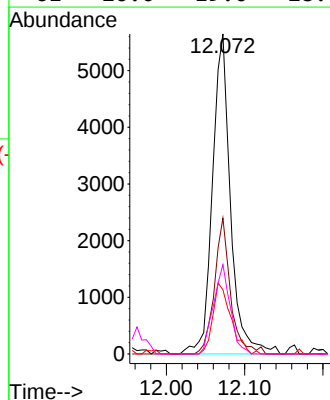
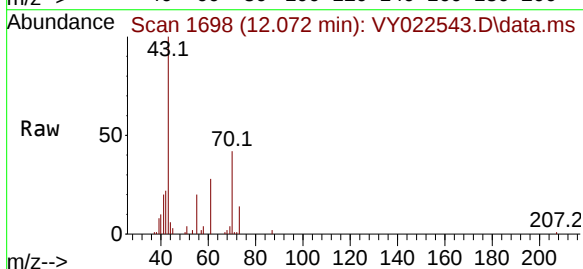
Ion Ratio Lower Upper

43 100

70 37.9 34.2 51.2

55 22.0 18.2 27.4

61 26.0 19.0 28.6

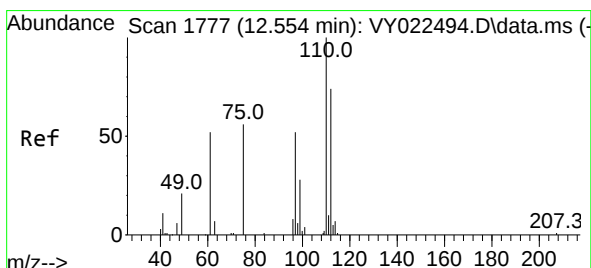
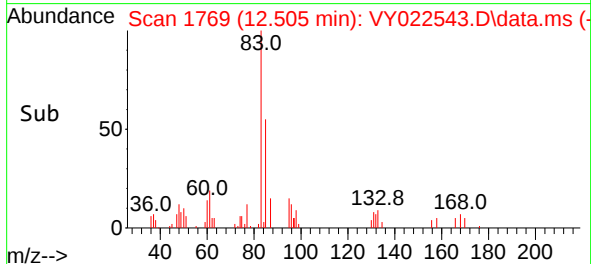
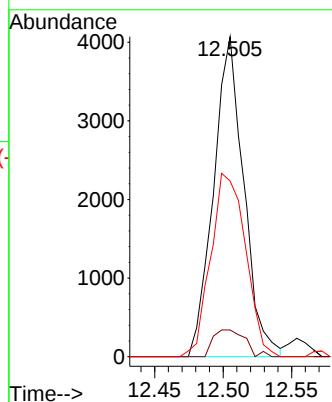
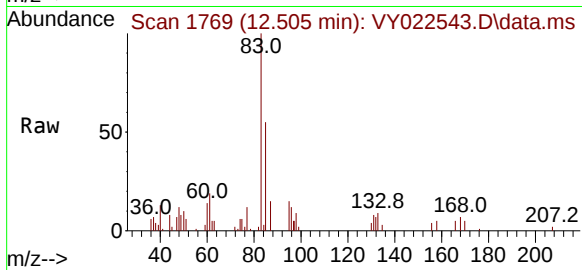




#75
1,1,2-Tetrachloroethane
Concen: 4.110 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

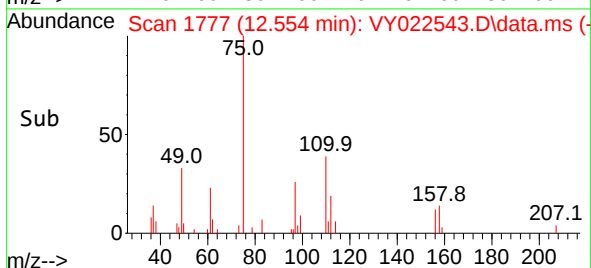
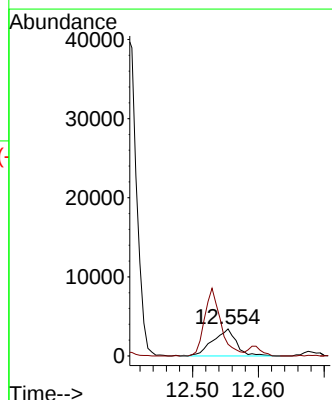
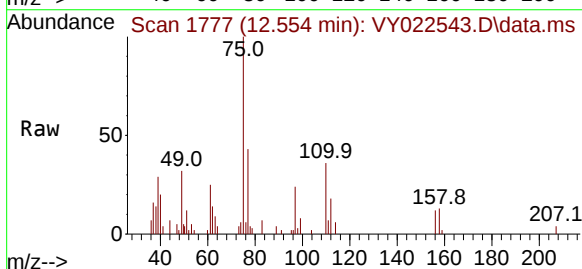
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

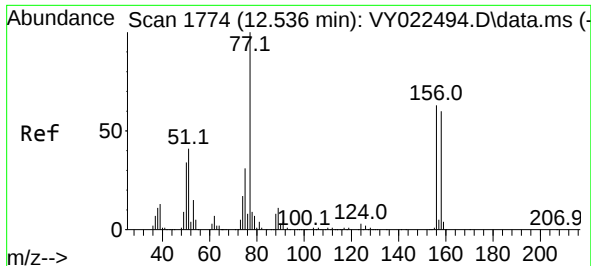
Tgt Ion:	83	Resp:	6249
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.9	14.7
85	65.9	32.6	97.8



#76
1,2,3-Trichloropropane
Concen: 6.629 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion:	75	Resp:	8557
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

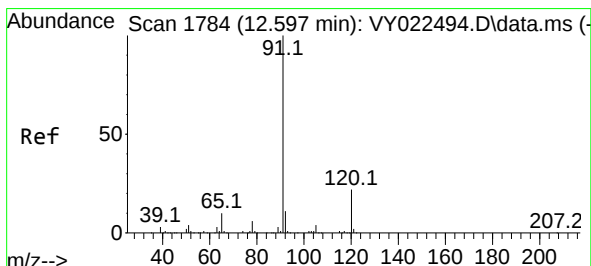
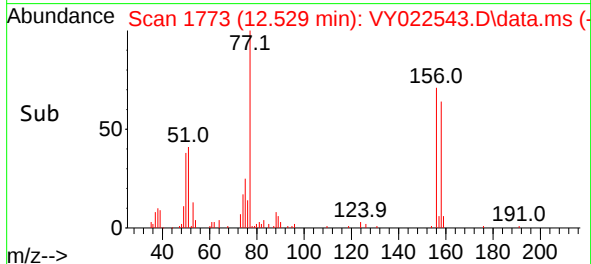
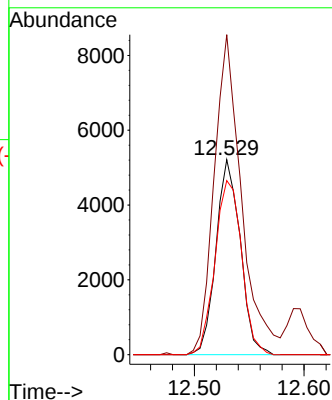
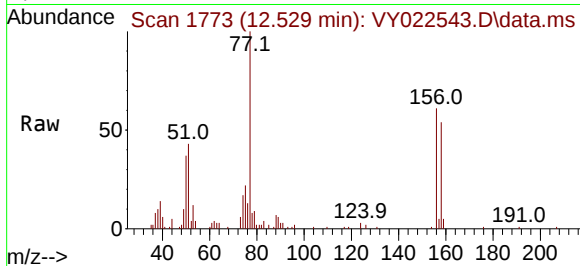




#77
Bromobenzene
Concen: 4.109 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

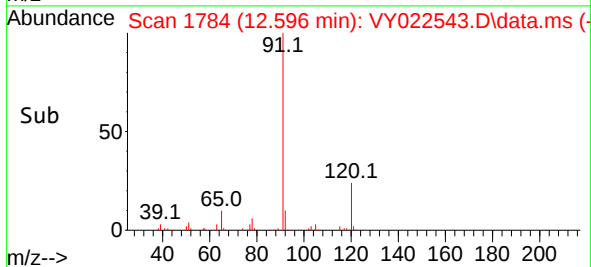
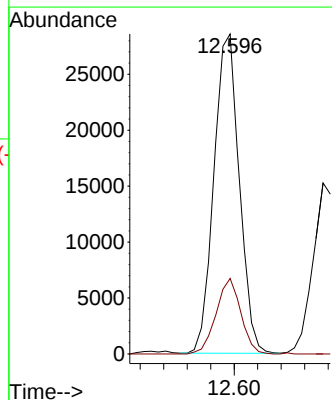
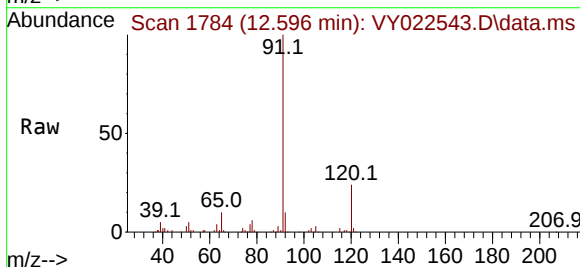
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

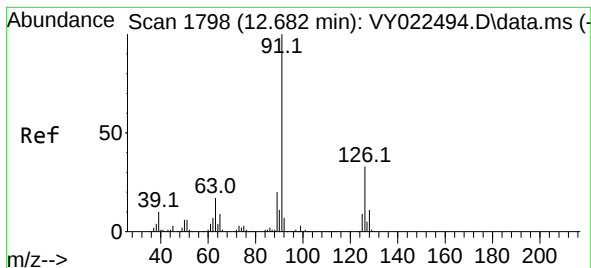
Tgt Ion:156 Resp: 8032
Ion Ratio Lower Upper
156 100
77 184.9 94.0 282.1
158 97.9 48.2 144.6



#78
n-propylbenzene
Concen: 3.778 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 91 Resp: 42743
Ion Ratio Lower Upper
91 100
120 23.0 10.8 32.4





#79

2-Chlorotoluene

Concen: 3.814 ug/l

RT: 12.676 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

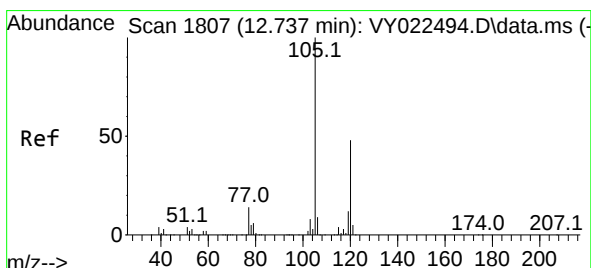
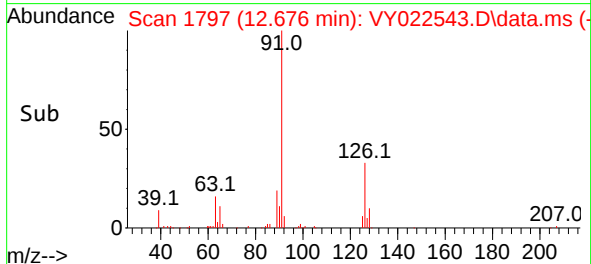
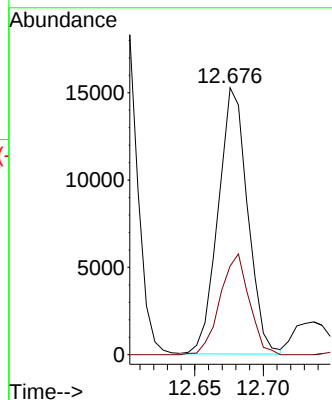
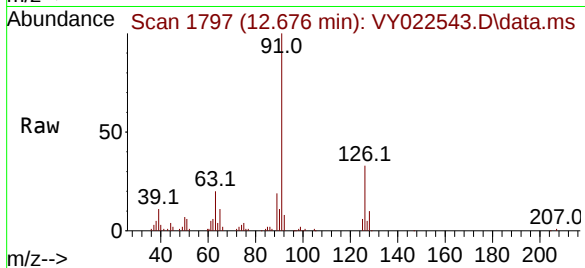
MDL-SOIL-03-QT2-2025

Tgt Ion: 91 Resp: 22873

Ion Ratio Lower Upper

91 100

126 37.2 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 3.606 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. -0.006 min

Lab File: VY022543.D

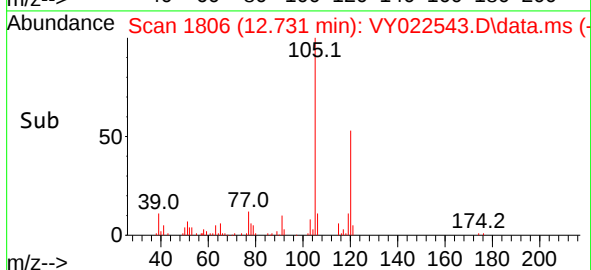
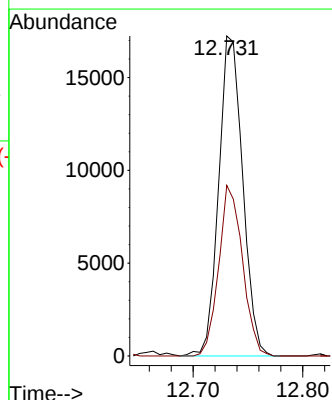
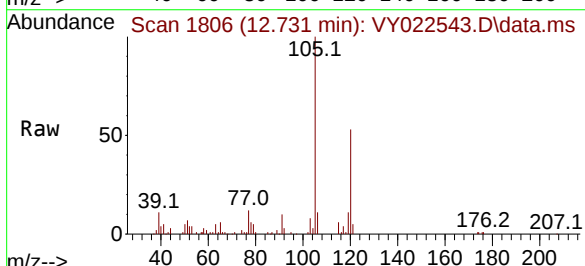
Acq: 04 Jun 2025 12:16

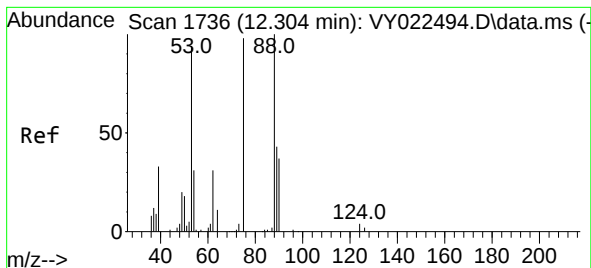
Tgt Ion: 105 Resp: 26222

Ion Ratio Lower Upper

105 100

120 52.8 24.1 72.4

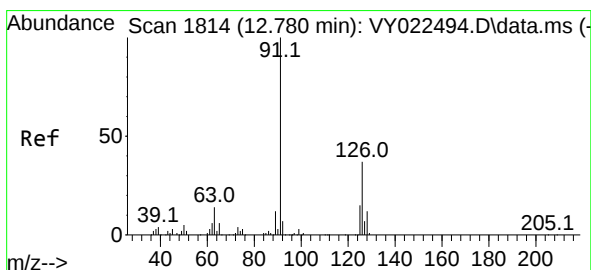
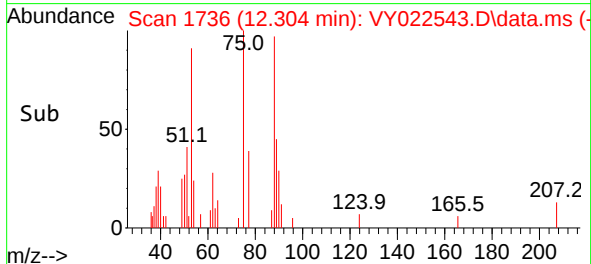
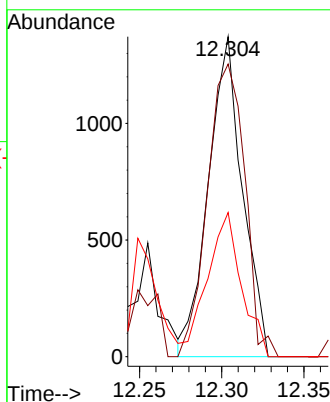
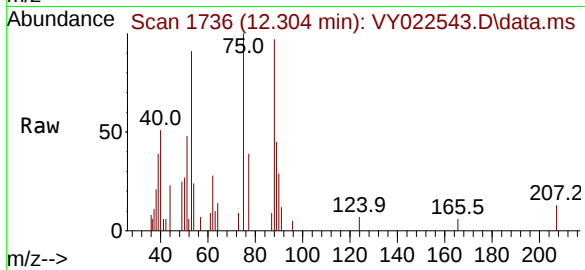




#81
trans-1,4-Dichloro-2-butene
Concen: 3.689 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

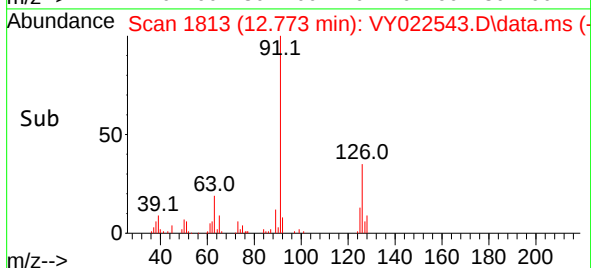
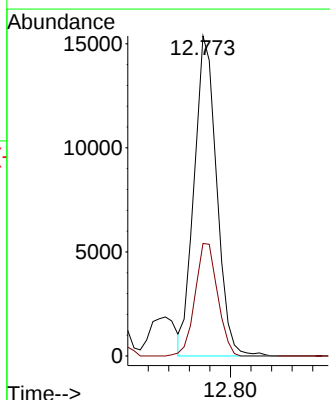
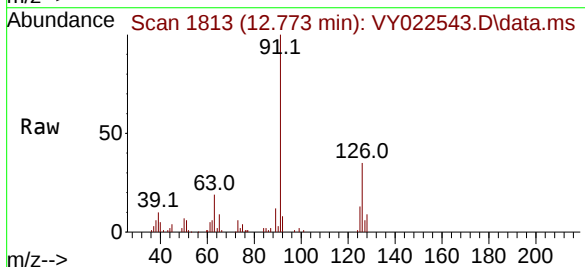
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

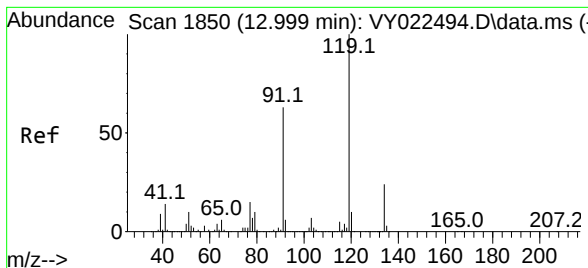
Tgt Ion: 75 Resp: 1972
Ion Ratio Lower Upper
75 100
53 100.8 78.5 117.7
89 45.5 35.7 53.5



#82
4-Chlorotoluene
Concen: 3.787 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 91 Resp: 23426
Ion Ratio Lower Upper
91 100
126 35.2 17.0 50.9





#83

tert-Butylbenzene

Concen: 3.853 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. -0.000 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

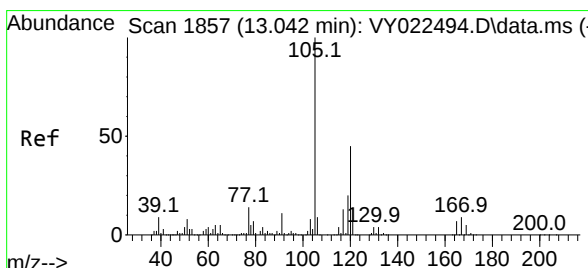
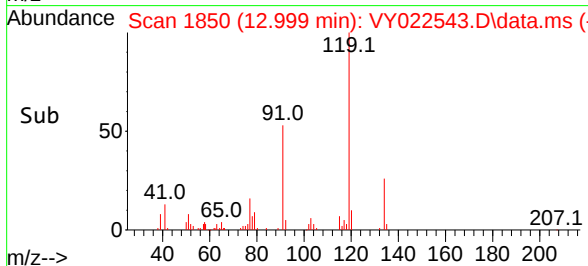
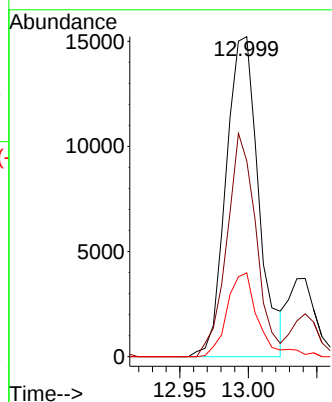
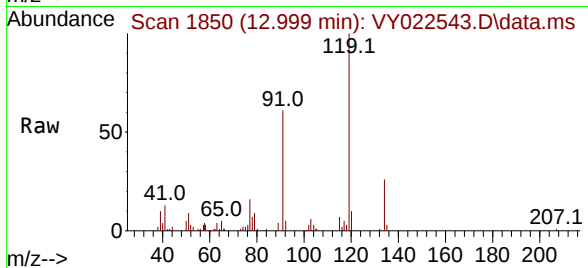
Tgt Ion:119 Resp: 25148

Ion Ratio Lower Upper

119 100

91 62.7 32.1 96.3

134 25.2 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 3.751 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022543.D

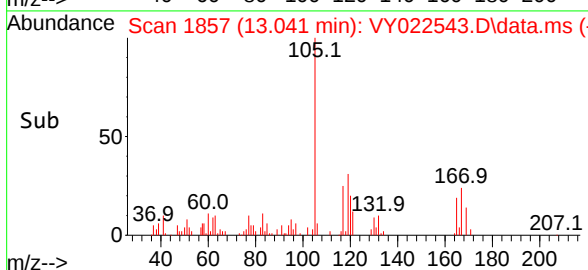
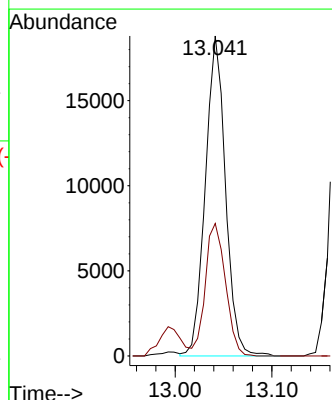
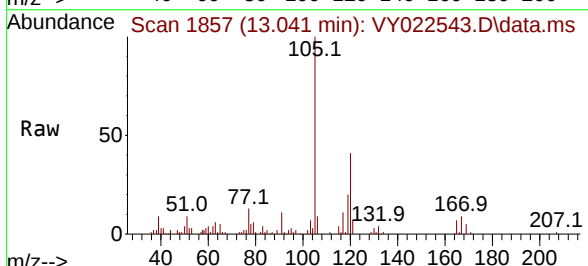
Acq: 04 Jun 2025 12:16

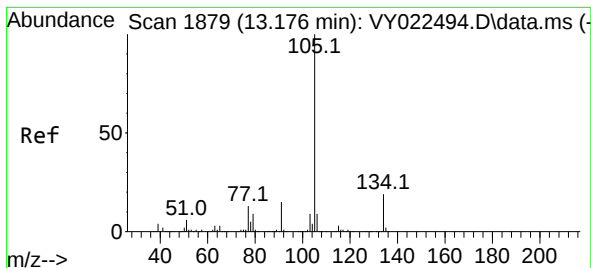
Tgt Ion:105 Resp: 27288

Ion Ratio Lower Upper

105 100

120 41.4 22.7 68.1





#85

sec-Butylbenzene

Concen: 3.603 ug/l

RT: 13.170 min Scan# 1879

Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

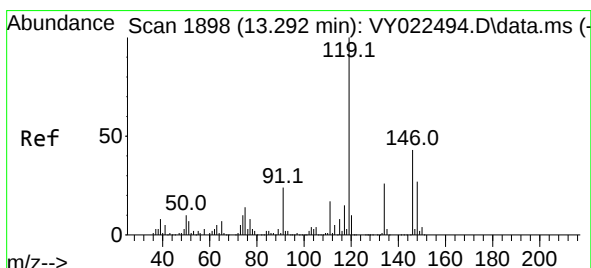
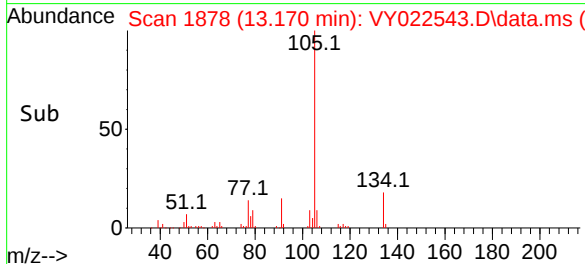
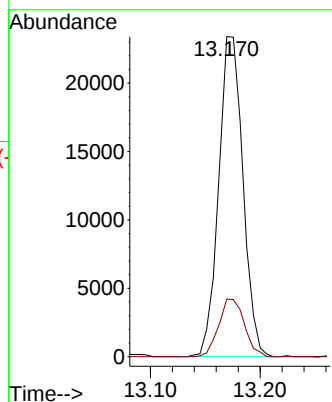
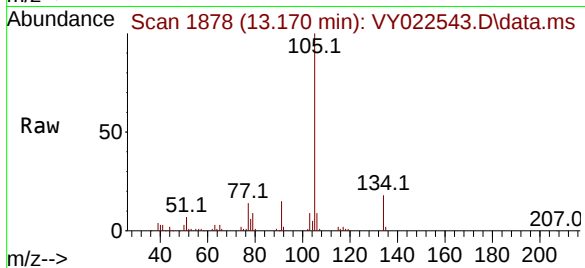
MDL-SOIL-03-QT2-2025

Tgt Ion:105 Resp: 36020

Ion Ratio Lower Upper

105 100

134 19.0 9.7 28.9



#86

p-Isopropyltoluene

Concen: 3.466 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

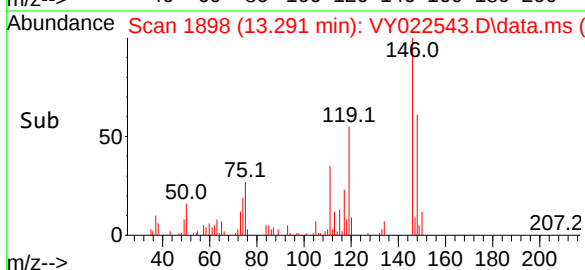
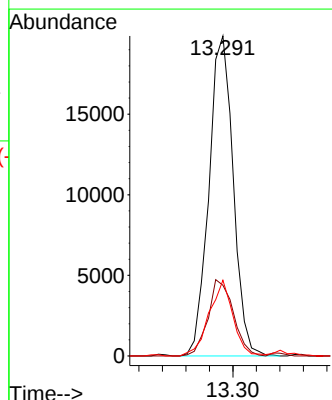
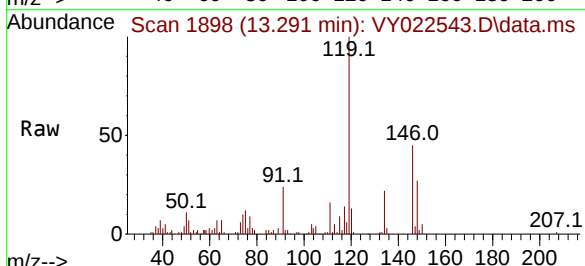
Tgt Ion:119 Resp: 28563

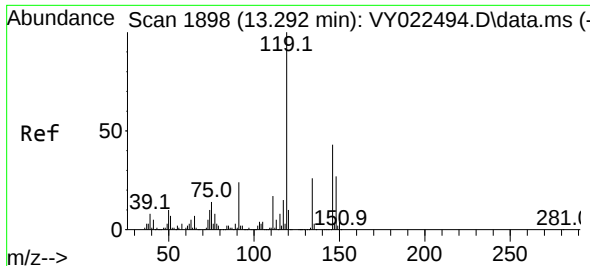
Ion Ratio Lower Upper

119 100

134 24.8 13.1 39.1

91 23.2 11.6 34.8

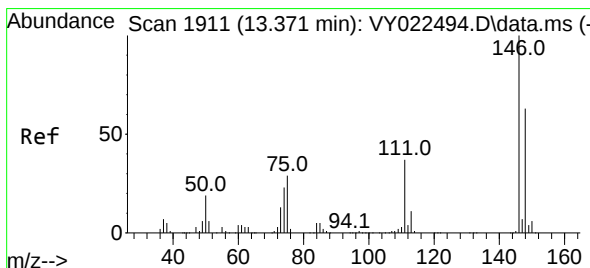
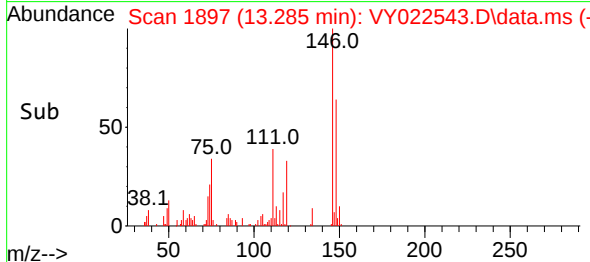
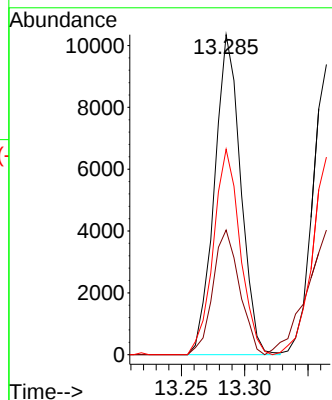
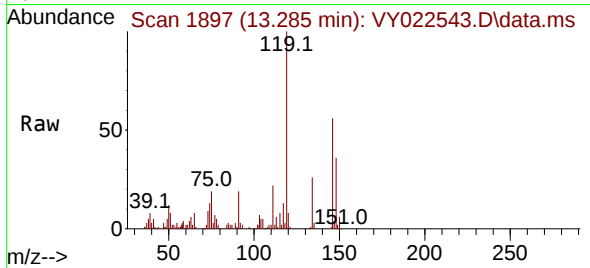




#87
 1,3-Dichlorobenzene
 Concen: 3.771 ug/l
 RT: 13.285 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY022543.D
 Acq: 04 Jun 2025 12:16

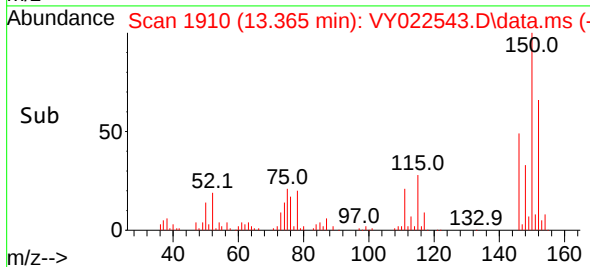
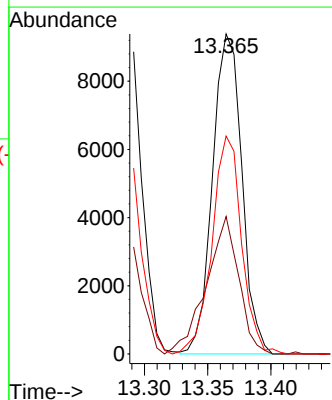
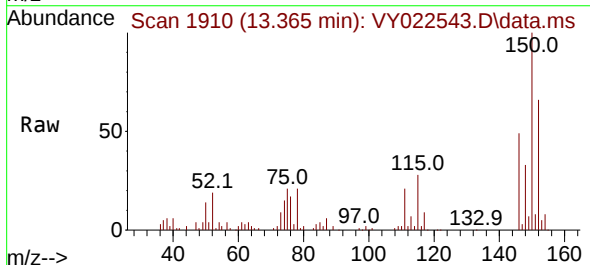
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

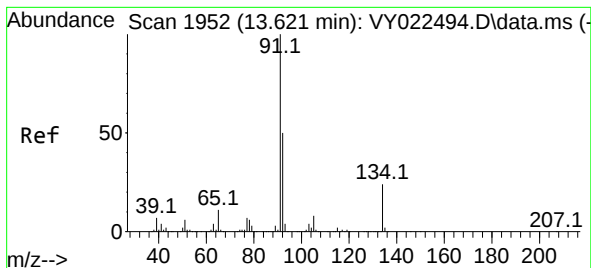
Tgt Ion:146 Resp: 14936
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.1 60.2
 148 65.4 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 3.939 ug/l
 RT: 13.365 min Scan# 1910
 Delta R.T. -0.006 min
 Lab File: VY022543.D
 Acq: 04 Jun 2025 12:16

Tgt Ion:146 Resp: 15131
 Ion Ratio Lower Upper
 146 100
 111 47.5 19.4 58.2
 148 68.7 31.6 94.8





#89

n-Butylbenzene

Concen: 3.647 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

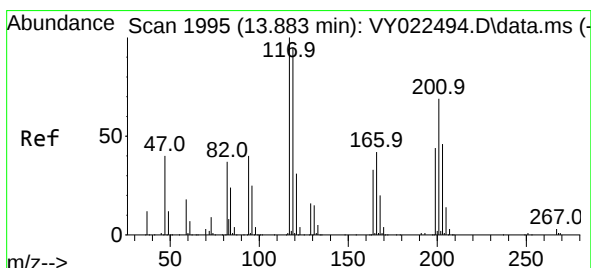
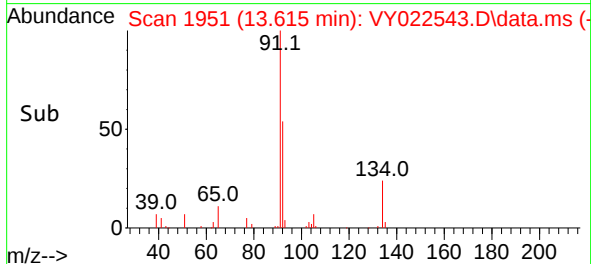
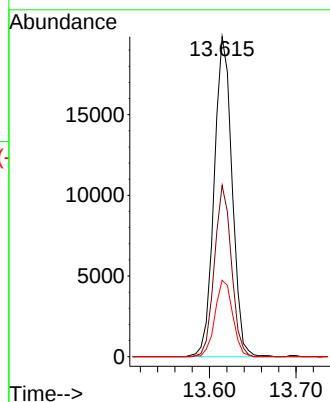
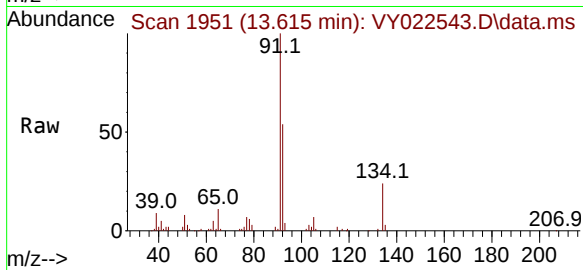
Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:	91	Resp:	28513
Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.9	77.8
134	23.5	12.0	36.1



#90

Hexachloroethane

Concen: 3.900 ug/l

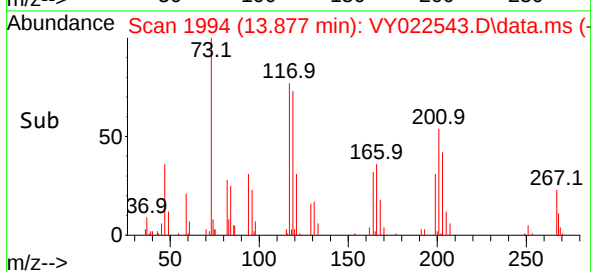
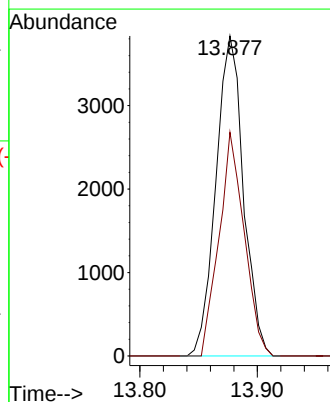
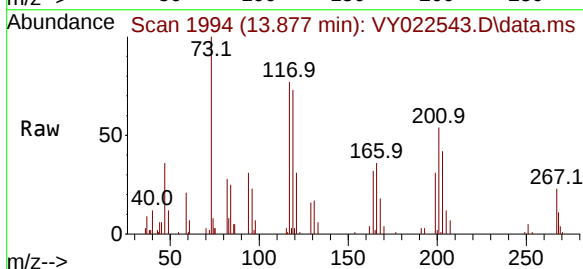
RT: 13.877 min Scan# 1994

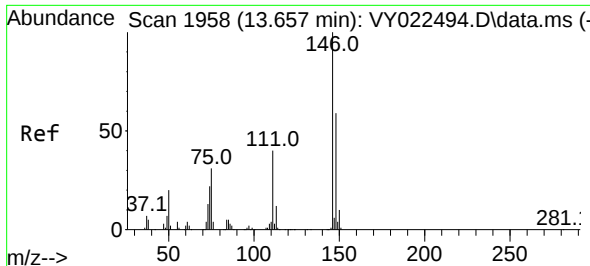
Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Tgt Ion:	117	Resp:	6256
Ion	Ratio	Lower	Upper
117	100		
201	64.0	34.0	102.0

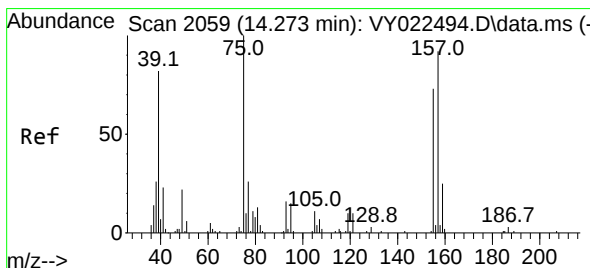
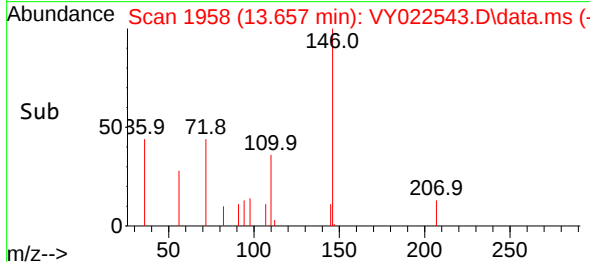
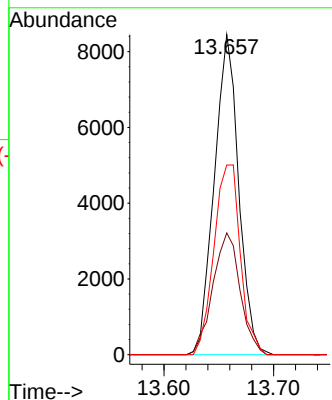
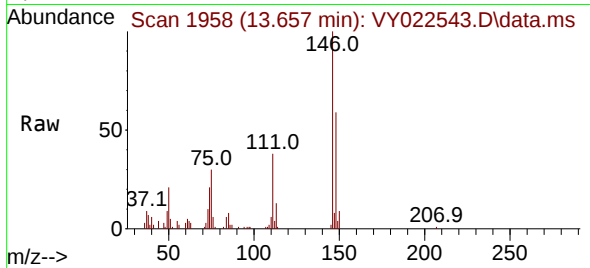




#91
1,2-Dichlorobenzene
Concen: 3.879 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

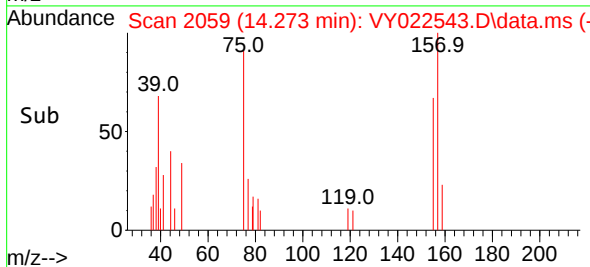
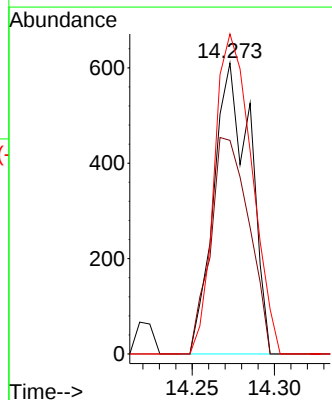
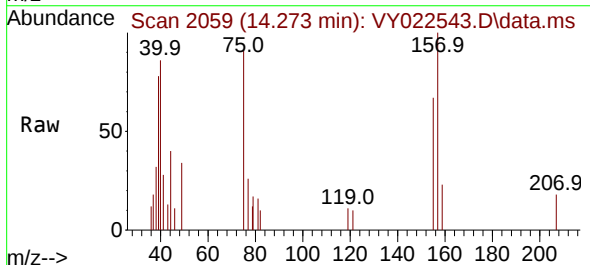
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

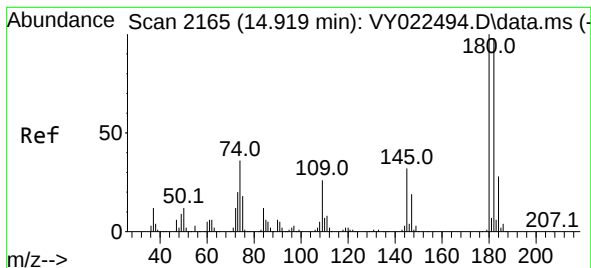
Tgt Ion:	146	Resp:	13045
Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.2	60.6
148	64.4	31.4	94.0



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.233 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion:	75	Resp:	937
Ion	Ratio	Lower	Upper
75	100		
155	78.4	39.9	119.6
157	113.0	54.0	162.0





#93

1,2,4-Trichlorobenzene

Concen: 3.746 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

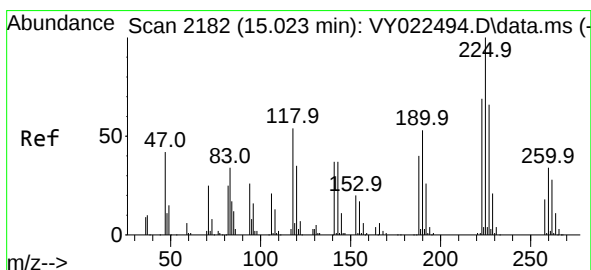
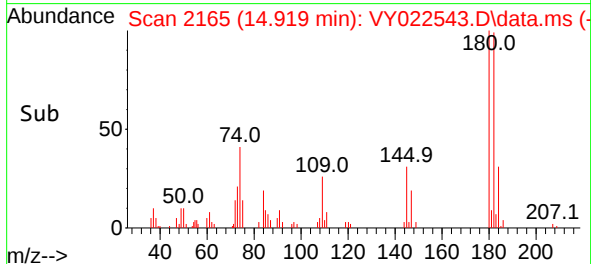
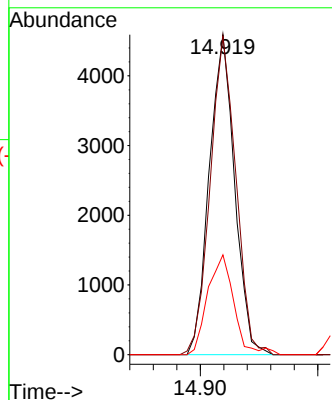
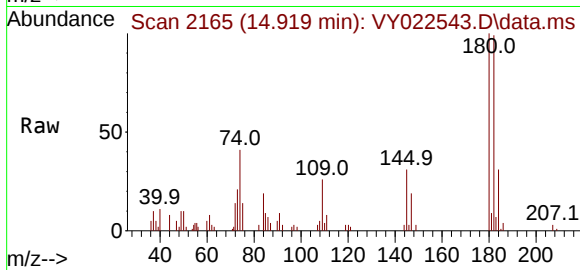
Tgt Ion:180 Resp: 6870

Ion Ratio Lower Upper

180 100

182 101.0 48.4 145.3

145 32.4 15.5 46.5



#94

Hexachlorobutadiene

Concen: 3.601 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

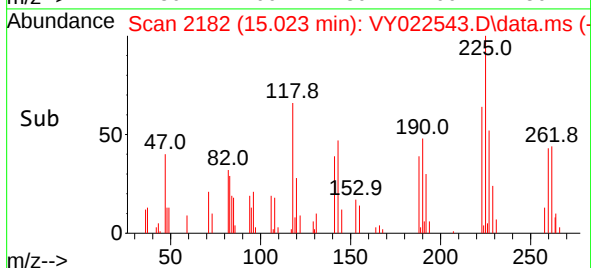
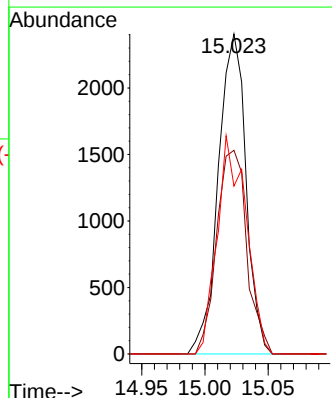
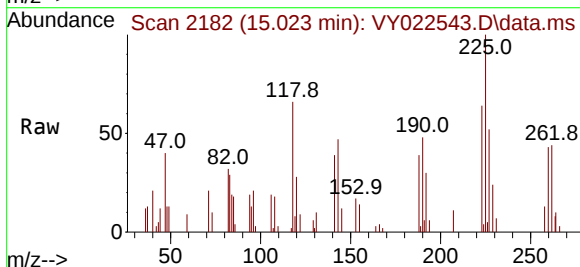
Tgt Ion:225 Resp: 3645

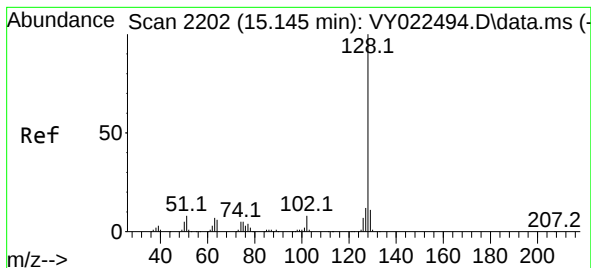
Ion Ratio Lower Upper

225 100

223 69.4 32.5 97.4

227 71.7 32.3 96.9





#95

Naphthalene

Concen: 3.553 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

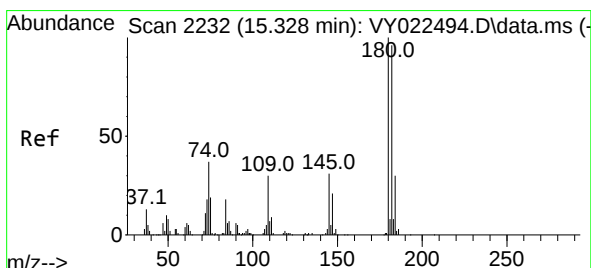
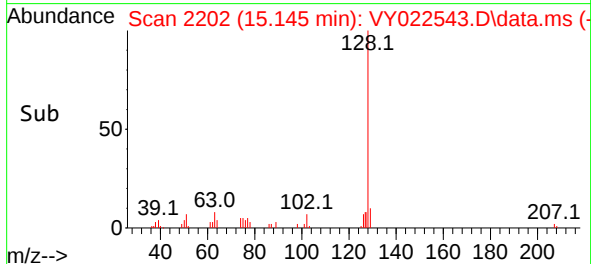
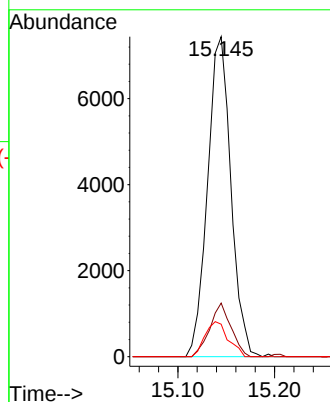
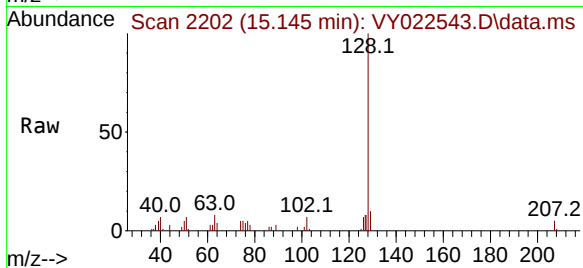
Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:128	Resp:	12506
Ion Ratio	Lower	Upper
128	100	
127	15.2	10.4 15.6
129	10.8	8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 4.090 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Tgt Ion:180	Resp:	6428
Ion Ratio	Lower	Upper
180	100	
182	90.4	47.1 141.3
145	30.6	15.2 45.6

