

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022542.D
 Acq On : 04 Jun 2025 11:53
 Operator : SY/MD
 Sample : Q2126-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jun 05 04:11:56 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	170451	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	304063	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	249953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	111063	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	100987	52.973	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.940%	
35) Dibromofluoromethane	7.634	113	90899	50.085	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.180%	
50) Toluene-d8	10.109	98	364099	49.650	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.300%	
62) 4-Bromofluorobenzene	12.408	95	101800	46.591	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.180%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	5040	3.303	ug/l	92
3) Chloromethane	2.068	50	12968	2.876	ug/l	94
4) Vinyl Chloride	2.202	62	18108	3.462	ug/l	93
5) Bromomethane	2.592	94	18830	3.756	ug/l	94
6) Chloroethane	2.732	64	12502	3.483	ug/l	96
7) Trichlorofluoromethane	3.049	101	14733	3.318	ug/l	99
8) Diethyl Ether	3.446	74	3111	3.111	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.818	101	6186	3.308	ug/l	96
10) Methyl Iodide	4.001	142	5407	2.672	ug/l	95
11) Tert butyl alcohol	4.860	59	1311	9.628	ug/l #	73
12) 1,1-Dichloroethene	3.781	96	5472	3.061	ug/l #	80
13) Acrolein	3.647	56	2102	12.387	ug/l #	75
14) Allyl chloride	4.372	41	8841	3.151	ug/l	98
15) Acrylonitrile	5.055	53	6376	15.057	ug/l	96
16) Acetone	3.866	43	5574	14.397	ug/l	97
17) Carbon Disulfide	4.104	76	17674	3.088	ug/l	96
18) Methyl Acetate	4.391	43	4203	3.666	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	14439	2.868	ug/l #	90
20) Methylene Chloride	4.610	84	9283	4.221	ug/l	94
21) trans-1,2-Dichloroethene	5.110	96	6208	3.103	ug/l	90
22) Diisopropyl ether	6.018	45	17532	2.807	ug/l	94
23) Vinyl Acetate	5.957	43	48653	13.161	ug/l	98
24) 1,1-Dichloroethane	5.909	63	10811	2.938	ug/l #	96
25) 2-Butanone	6.896	43	7487	13.407	ug/l #	87
26) 2,2-Dichloropropane	6.884	77	9730	2.993	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	7333	3.171	ug/l	96
28) Bromochloromethane	7.244	49	4889	3.048	ug/l #	60
29) Tetrahydrofuran	7.268	42	5757	15.983	ug/l	94
30) Chloroform	7.421	83	11241	3.084	ug/l	88
31) Cyclohexane	7.707	56	14312	3.907	ug/l #	70
32) 1,1,1-Trichloroethane	7.616	97	9697	2.997	ug/l	99
36) 1,1-Dichloropropene	7.835	75	8257	2.803	ug/l	96
37) Ethyl Acetate	6.982	43	3765	2.866	ug/l #	89
38) Carbon Tetrachloride	7.823	117	8305	2.748	ug/l	97
39) Methylcyclohexane	9.103	83	10852	2.742	ug/l	98
40) Benzene	8.085	78	24987	2.872	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.207	41	1221	1.591	ug/l #	29
42) 1,2-Dichloroethane	8.158	62	6693	2.818	ug/l	96
43) Isopropyl Acetate	8.195	43	7635	2.691	ug/l #	85
44) Trichloroethene	8.866	130	6196	2.914	ug/l	94
45) 1,2-Dichloropropane	9.146	63	6152	2.992	ug/l	91
46) Dibromomethane	9.231	93	3625	3.134	ug/l	92
47) Bromodichloromethane	9.420	83	8052	2.745	ug/l #	88
48) Methyl methacrylate	9.225	41	3267	2.454	ug/l	92
49) 1,4-Dioxane	9.237	88	605	44.148	ug/l #	80
51) 4-Methyl-2-Pentanone	9.999	43	17220	12.175	ug/l	98
52) Toluene	10.170	92	14472	2.647	ug/l	93
53) t-1,3-Dichloropropene	10.390	75	6668	2.426	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	8320	2.601	ug/l	96
55) 1,1,2-Trichloroethane	10.566	97	4241	2.875	ug/l	89
56) Ethyl methacrylate	10.438	69	4829	2.265	ug/l	90
57) 1,3-Dichloropropane	10.719	76	6992	2.675	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	12515	12.930	ug/l	95
59) 2-Hexanone	10.762	43	11132	11.768	ug/l	96
60) Dibromochloromethane	10.914	129	4828	2.576	ug/l	96
61) 1,2-Dibromoethane	11.018	107	3699	2.751	ug/l	92
64) Tetrachloroethene	10.646	164	6884	3.202	ug/l	92
65) Chlorobenzene	11.438	112	15829	2.862	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	4778	2.564	ug/l	96
67) Ethyl Benzene	11.517	91	28147	2.744	ug/l	94
68) m/p-Xylenes	11.627	106	19763	5.082	ug/l	93
69) o-Xylene	11.956	106	9823	2.694	ug/l	97
70) Styrene	11.969	104	15409	2.557	ug/l	98
71) Bromoform	12.133	173	2825	2.849	ug/l #	97
73) Isopropylbenzene	12.255	105	25887	2.839	ug/l	99
74) N-amyl acetate	12.072	43	5821	2.530	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	4120	2.753	ug/l	98
76) 1,2,3-Trichloropropane	12.566	75	5958	4.689	ug/l #	100
77) Bromobenzene	12.536	156	5496	2.856	ug/l	91
78) n-propylbenzene	12.597	91	32160	2.888	ug/l	99
79) 2-Chlorotoluene	12.682	91	17839	3.022	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	19394	2.709	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.408	75	60962	115.866	ug/l #	11
82) 4-Chlorotoluene	12.773	91	17559	2.884	ug/l	100
83) tert-Butylbenzene	12.999	119	17810	2.772	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	20130	2.812	ug/l	100
85) sec-Butylbenzene	13.170	105	27883	2.834	ug/l	98
86) p-Isopropyltoluene	13.292	119	22219	2.739	ug/l	98
87) 1,3-Dichlorobenzene	13.285	146	11813	3.030	ug/l	97
88) 1,4-Dichlorobenzene	13.371	146	11654	3.082	ug/l	88
89) n-Butylbenzene	13.615	91	21253	2.762	ug/l	96
90) Hexachloroethane	13.877	117	5004	3.169	ug/l	92
91) 1,2-Dichlorobenzene	13.663	146	9614	2.905	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.273	75	647	2.969	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	5771	3.197	ug/l	99
94) Hexachlorobutadiene	15.017	225	3636	3.649	ug/l	93
95) Naphthalene	15.145	128	10743	3.101	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	4416	2.854	ug/l	82

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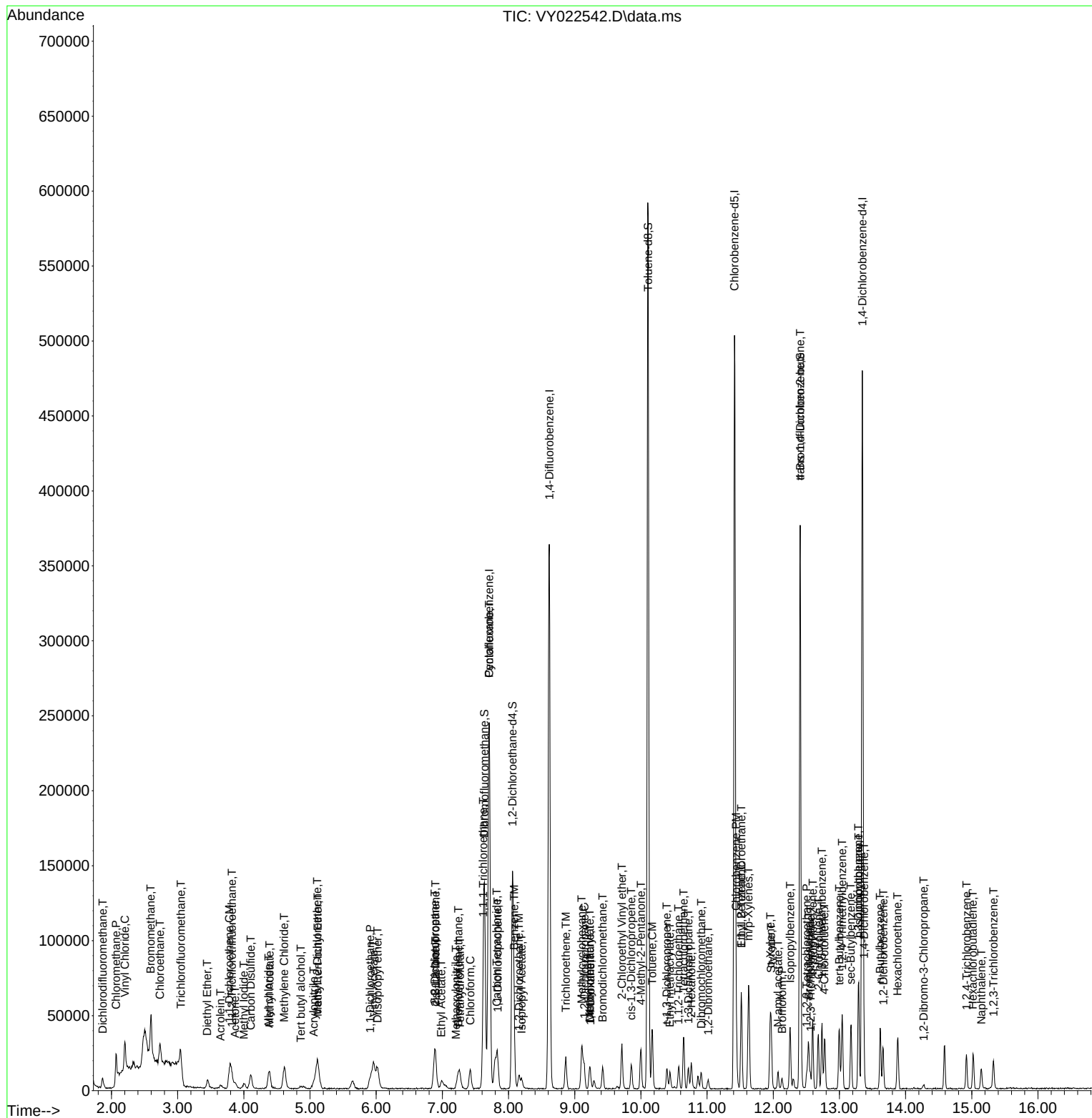
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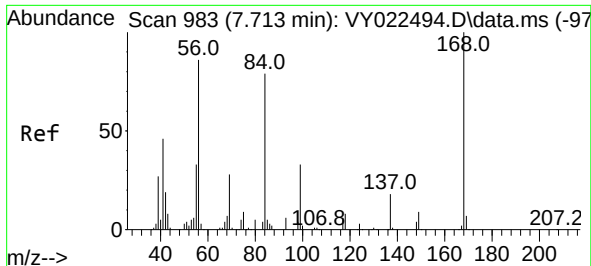
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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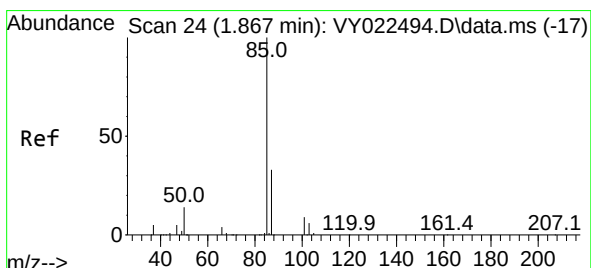
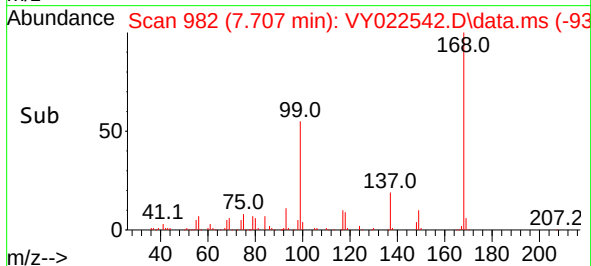
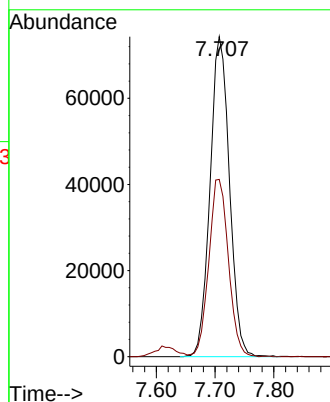
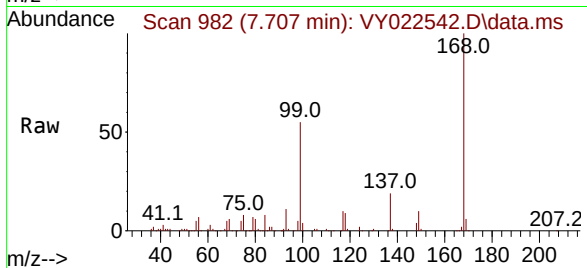




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 99
Delta R.T. -0.006 min
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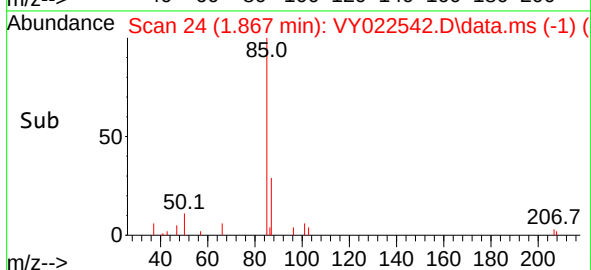
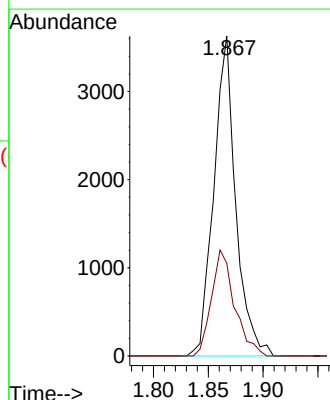
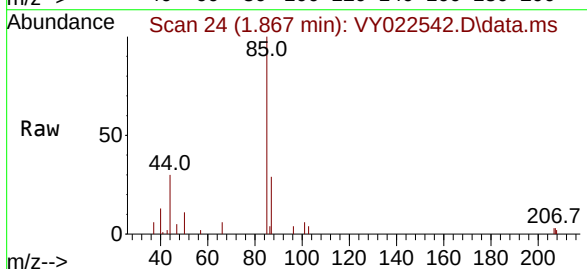
Instrument :
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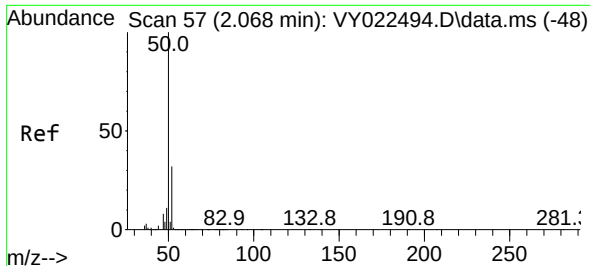
Tgt Ion:168 Resp: 170451
Ion Ratio Lower Upper
168 100
99 55.4 44.3 66.5



#2
Dichlorodifluoromethane
Concen: 3.303 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion: 85 Resp: 5040
Ion Ratio Lower Upper
85 100
87 29.0 16.7 50.0

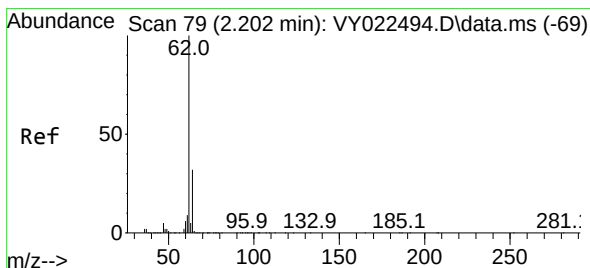
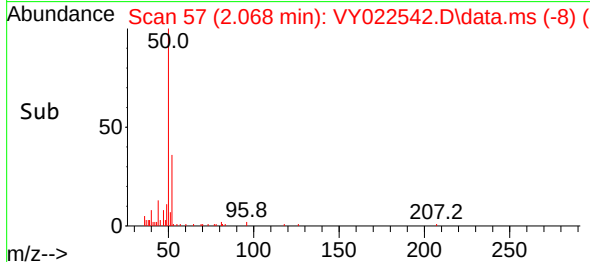
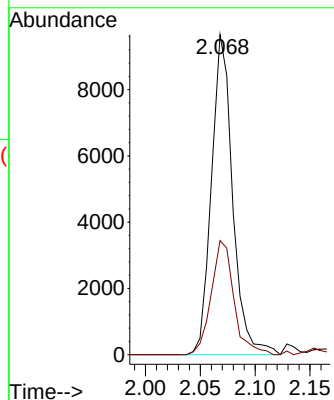
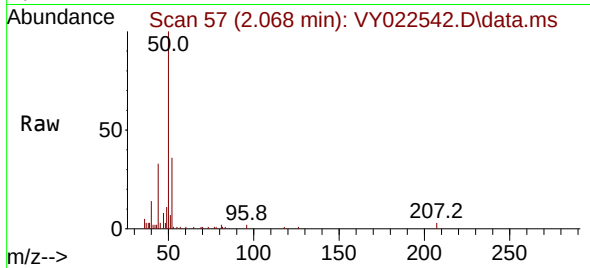




#3
Chloromethane
Concen: 2.876 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

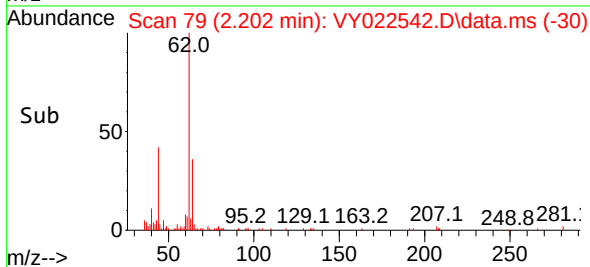
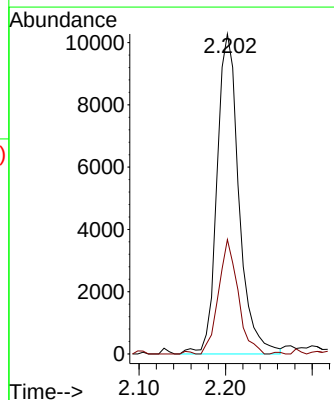
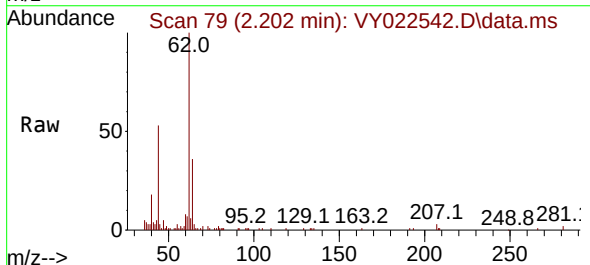
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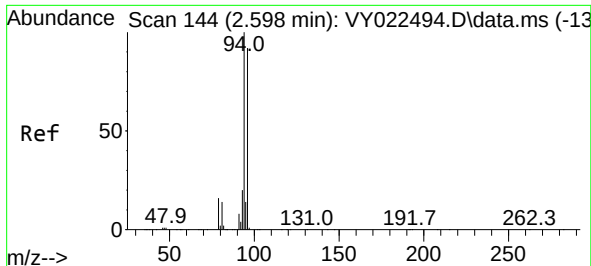
Tgt Ion: 50 Resp: 12968
Ion Ratio Lower Upper
50 100
52 35.6 26.0 39.0



#4
Vinyl Chloride
Concen: 3.462 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion: 62 Resp: 18108
Ion Ratio Lower Upper
62 100
64 35.7 25.3 37.9

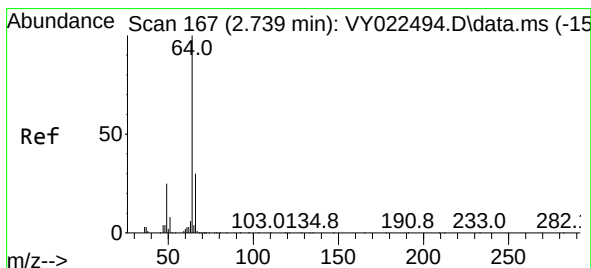
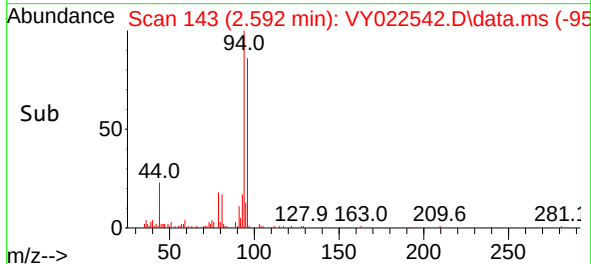
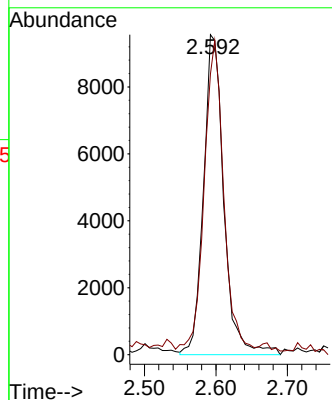
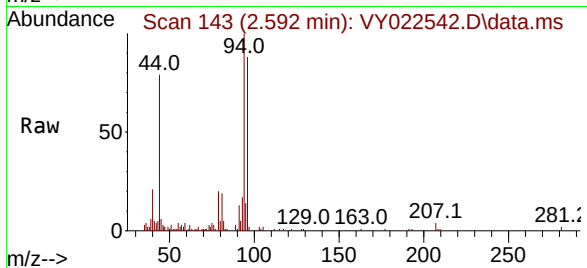




#5
Bromomethane
Concen: 3.756 ug/l
RT: 2.592 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

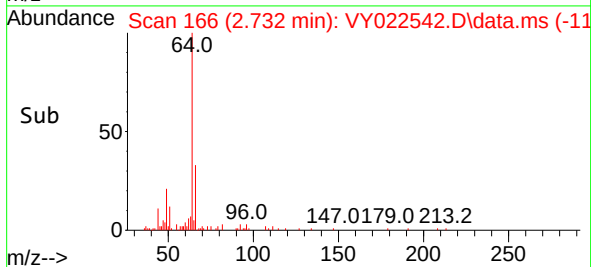
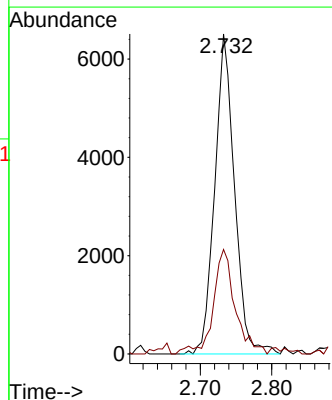
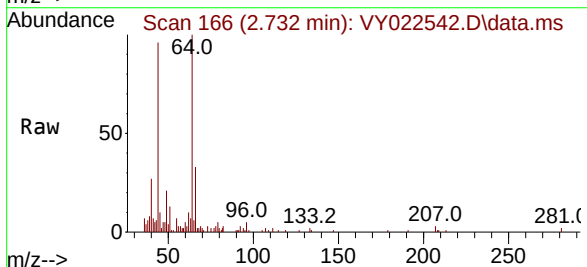
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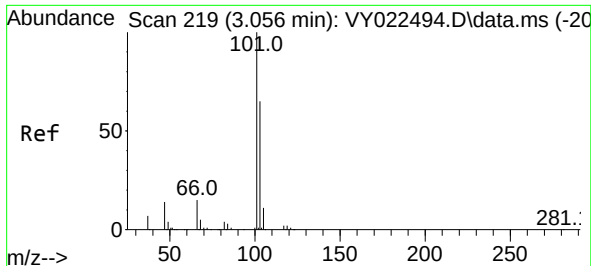
Tgt Ion: 94 Resp: 18830
Ion Ratio Lower Upper
94 100
96 86.5 74.0 111.0



#6
Chloroethane
Concen: 3.483 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion: 64 Resp: 12502
Ion Ratio Lower Upper
64 100
66 31.8 23.8 35.6

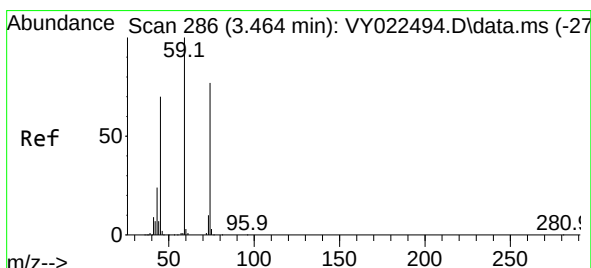
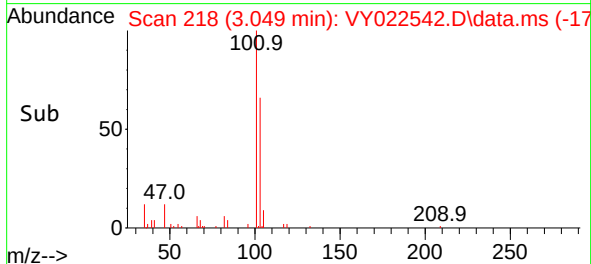
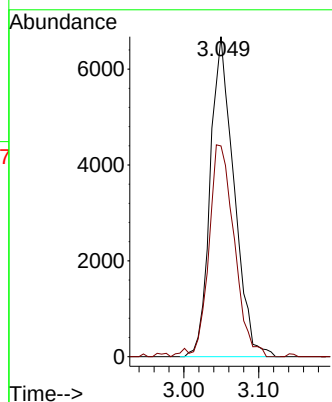
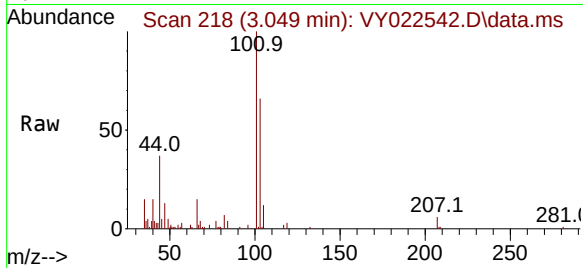




#7
 Trichlorofluoromethane
 Concen: 3.318 ug/l
 RT: 3.049 min Scan# 219
 Delta R.T. -0.006 min
 Lab File: VY022542.D
 Acq: 04 Jun 2025 11:53

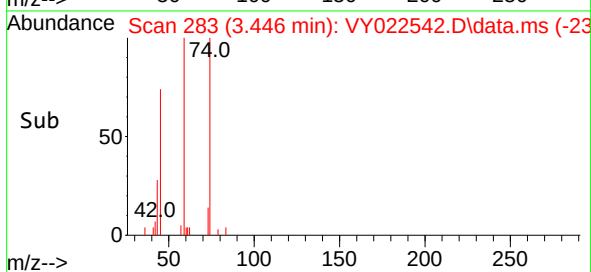
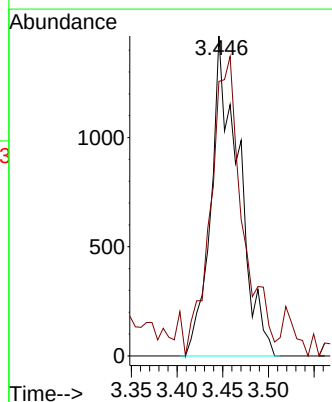
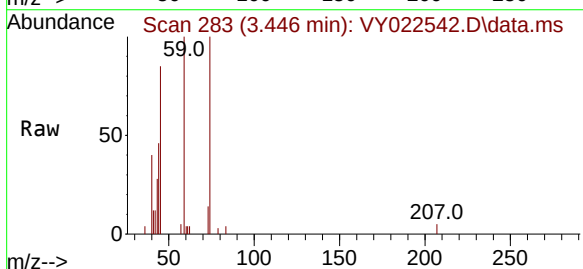
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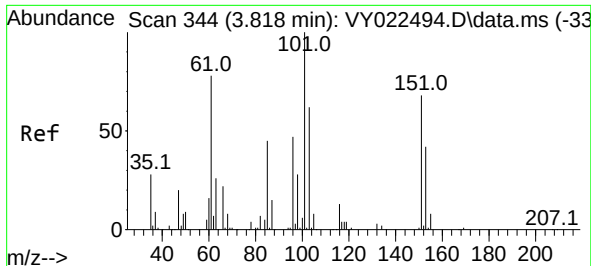
Tgt Ion:101 Resp: 14733
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.2 78.2



#8
 Diethyl Ether
 Concen: 3.111 ug/l
 RT: 3.446 min Scan# 283
 Delta R.T. -0.018 min
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Tgt Ion: 74 Resp: 3111
 Ion Ratio Lower Upper
 74 100
 45 106.9 45.9 137.6

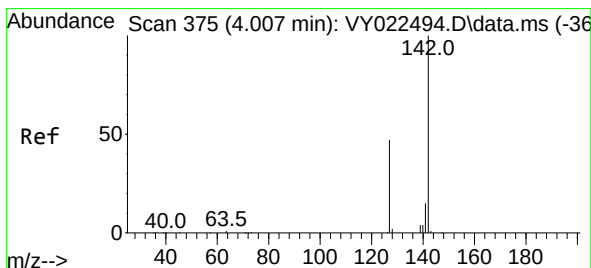
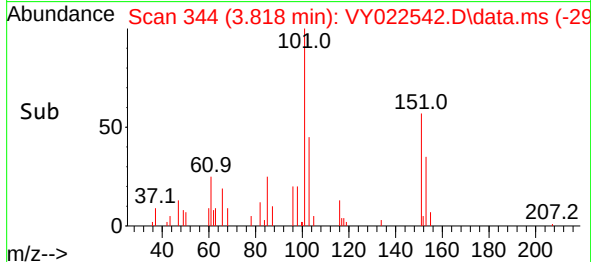
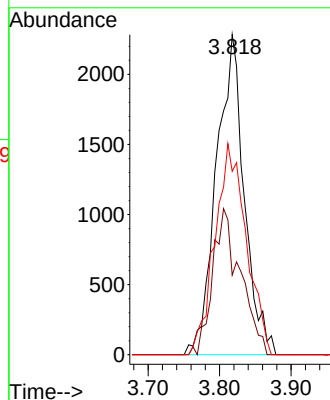
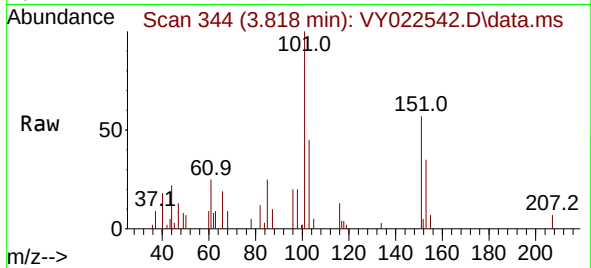




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.308 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

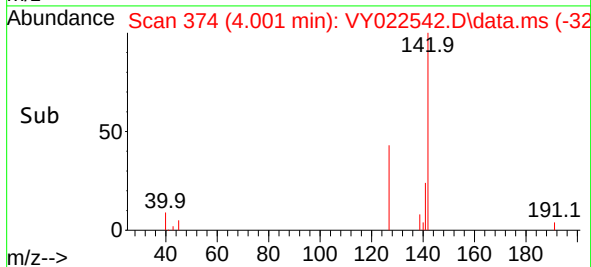
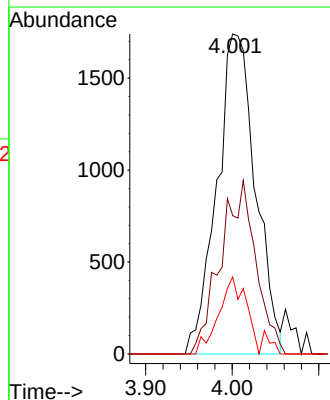
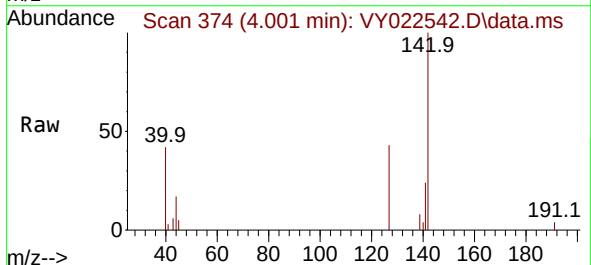
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

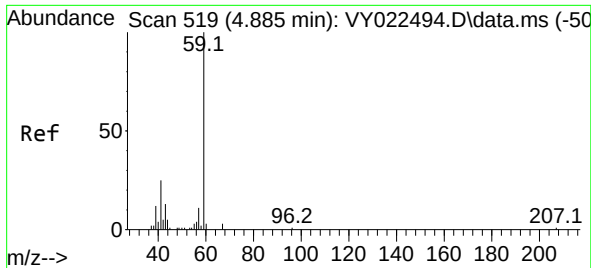
Tgt Ion:	101	Resp:	6186
Ion	Ratio	Lower	Upper
101	100		
85	45.4	39.3	58.9
151	74.2	57.8	86.8



#10
Methyl Iodide
Concen: 2.672 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion:	142	Resp:	5407
Ion	Ratio	Lower	Upper
142	100		
127	49.5	37.1	55.7
141	17.0	11.4	17.2

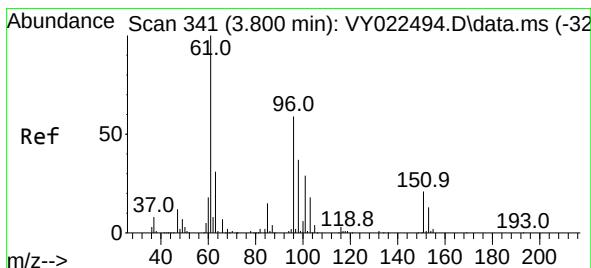
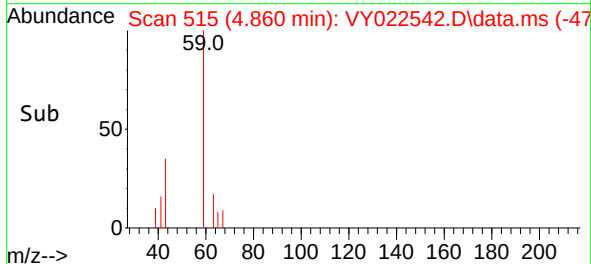
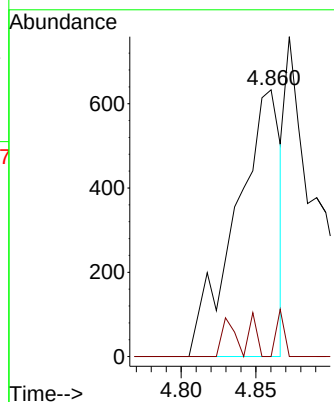
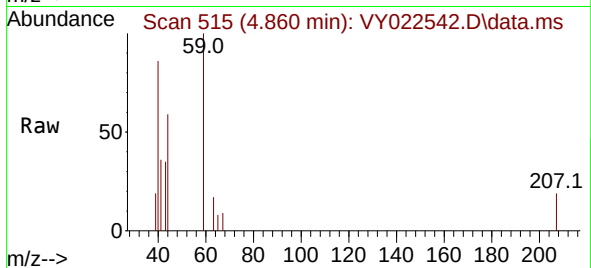




#11
Tert butyl alcohol
Concen: 9.628 ug/l
RT: 4.860 min Scan# 519
Delta R.T. -0.025 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

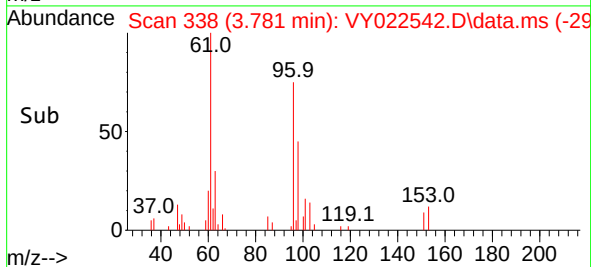
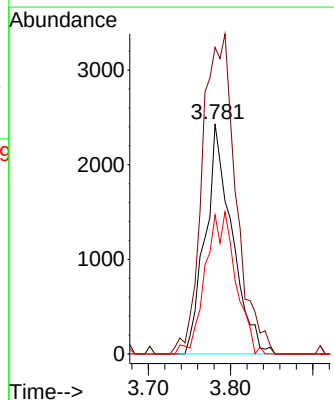
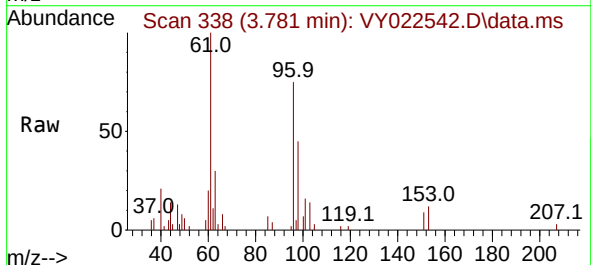
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

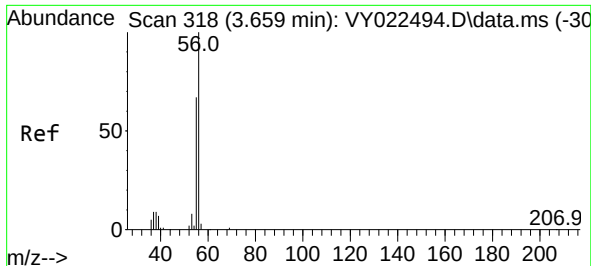
Tgt Ion: 59 Resp: 1311
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#12
1,1-Dichloroethene
Concen: 3.061 ug/l
RT: 3.781 min Scan# 338
Delta R.T. -0.018 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

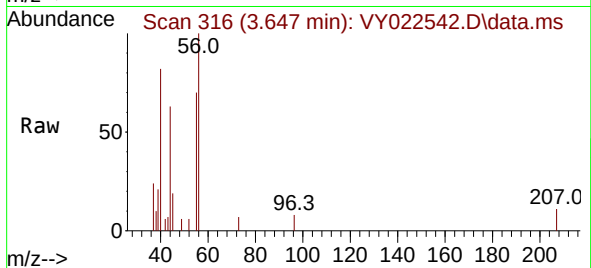
Tgt Ion: 96 Resp: 5472
Ion Ratio Lower Upper
96 100
61 133.2 134.6 201.8#
98 60.4 50.2 75.4



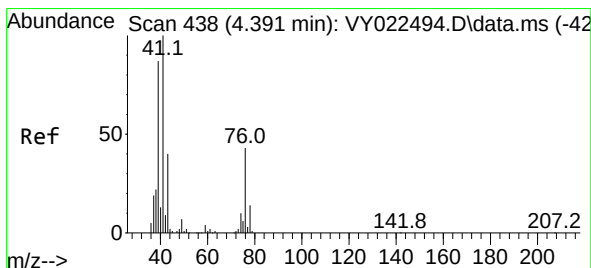
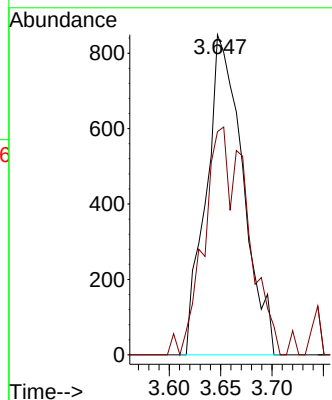
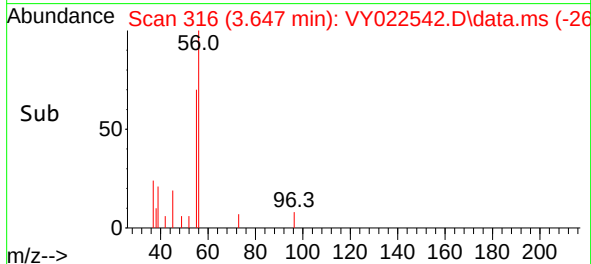


#13
Acrolein
Concen: 12.387 ug/l
RT: 3.647 min Scan# 316
Delta R.T. -0.012 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

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

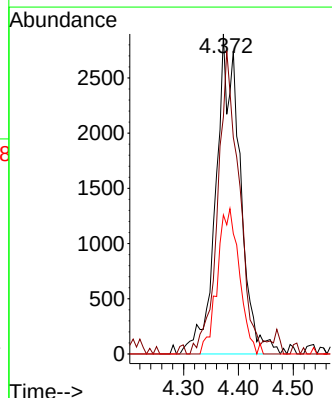
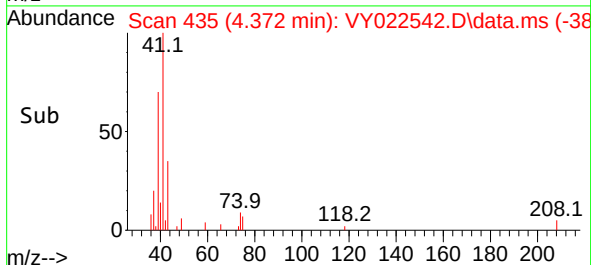
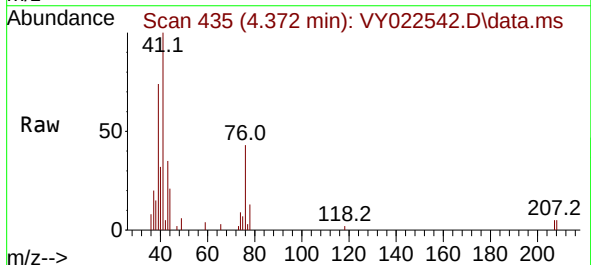


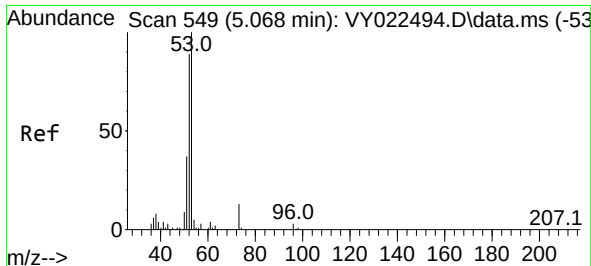
Tgt Ion: 56 Resp: 2102
Ion Ratio Lower Upper
56 100
55 50.2 57.0 85.6#



#14
Allyl chloride
Concen: 3.151 ug/l
RT: 4.372 min Scan# 435
Delta R.T. -0.018 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion: 41 Resp: 8841
Ion Ratio Lower Upper
41 100
39 84.1 69.1 103.7
76 41.6 33.5 50.3

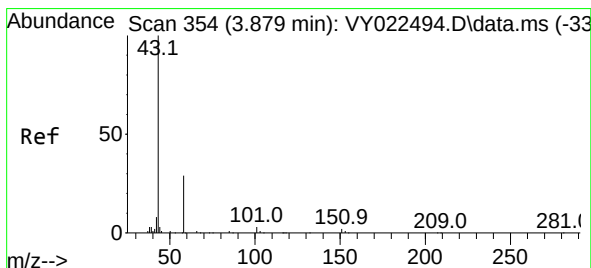
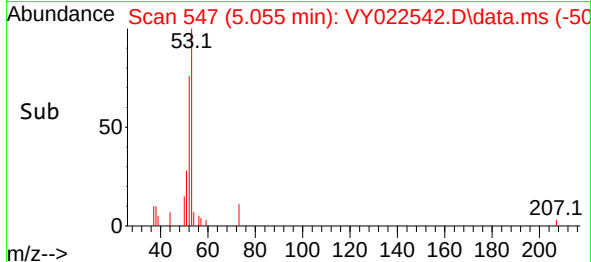
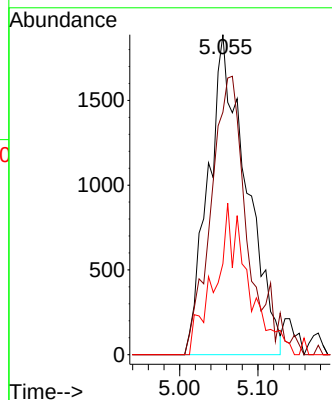
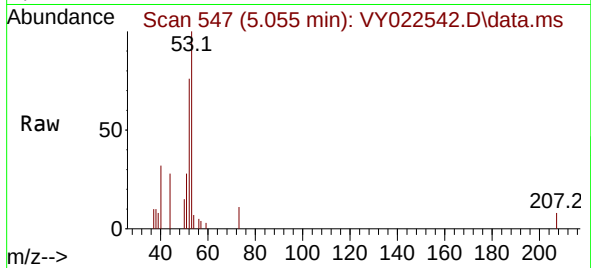




#15
Acrylonitrile
Concen: 15.057 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.012 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

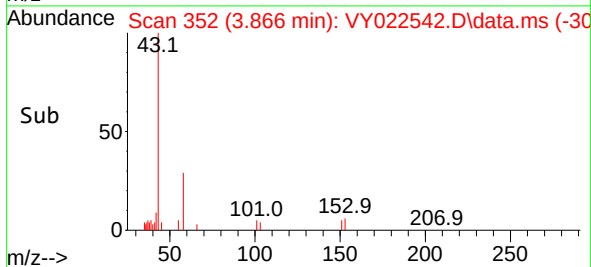
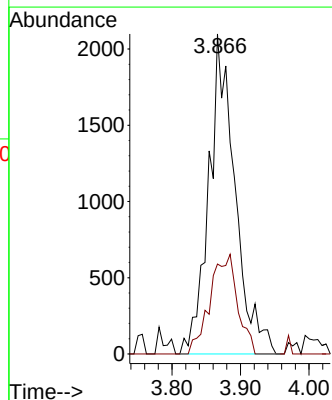
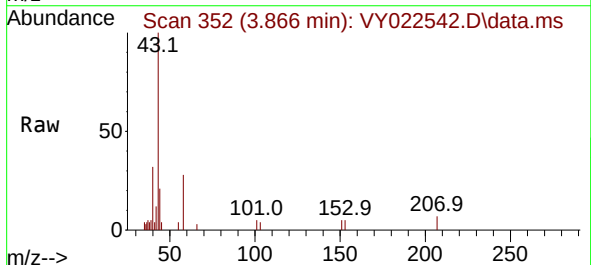
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

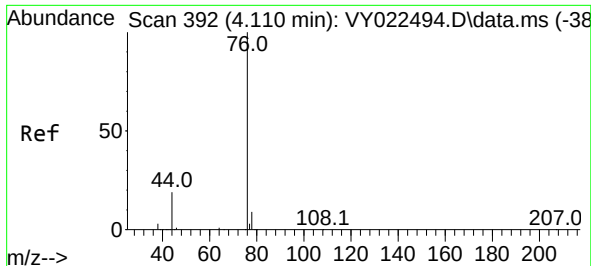
Tgt Ion: 53 Resp: 6376
Ion Ratio Lower Upper
53 100
52 83.9 65.7 98.5
51 41.8 30.1 45.1



#16
Acetone
Concen: 14.397 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion: 43 Resp: 5574
Ion Ratio Lower Upper
43 100
58 28.1 24.0 36.0

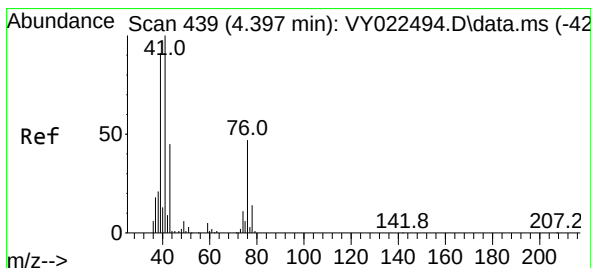
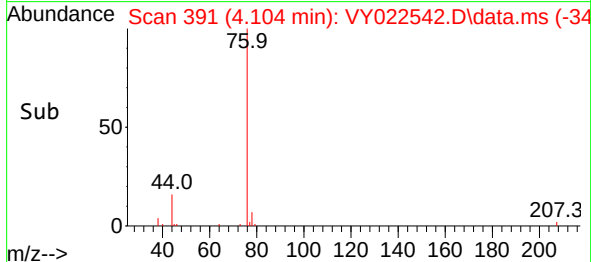
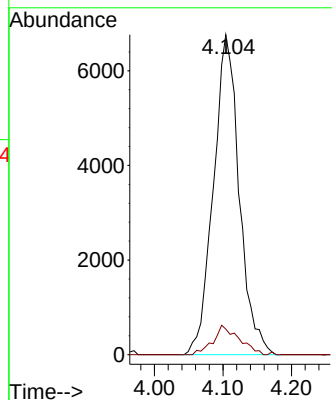
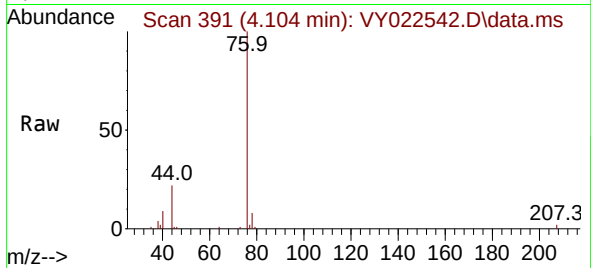




#17
Carbon Disulfide
Concen: 3.088 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

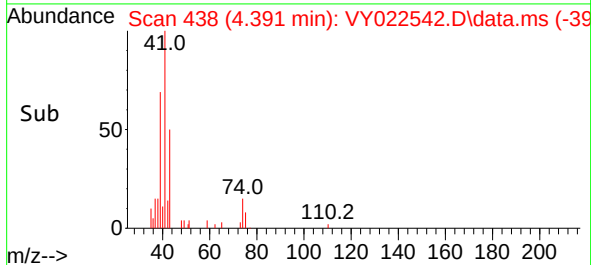
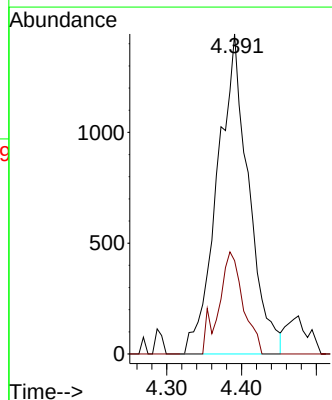
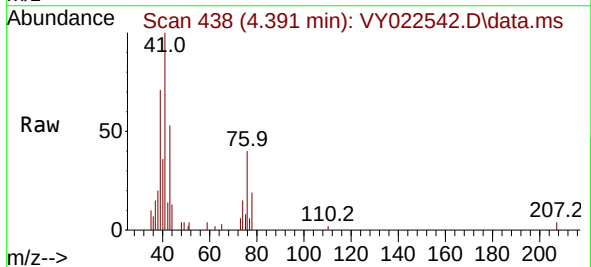
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

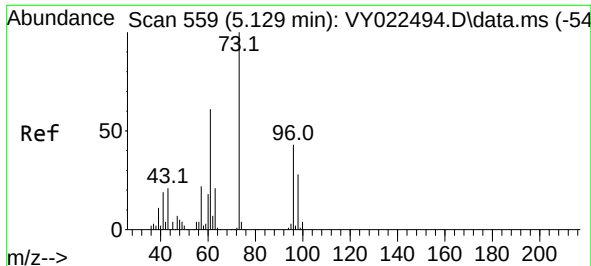
Tgt Ion: 76 Resp: 17674
Ion Ratio Lower Upper
76 100
78 8.0 7.4 11.2



#18
Methyl Acetate
Concen: 3.666 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion: 43 Resp: 4203
Ion Ratio Lower Upper
43 100
74 24.8 19.8 29.6





#19

Methyl tert-butyl Ether

Concen: 2.868 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

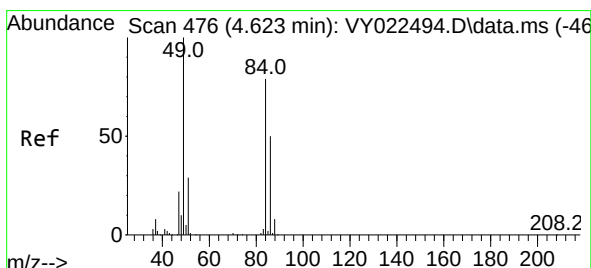
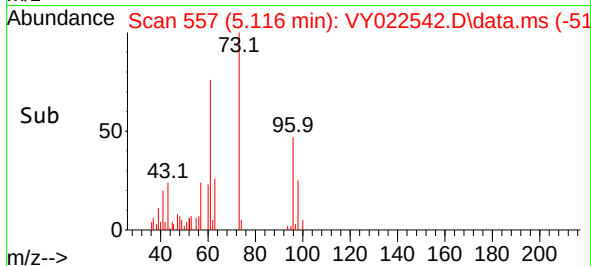
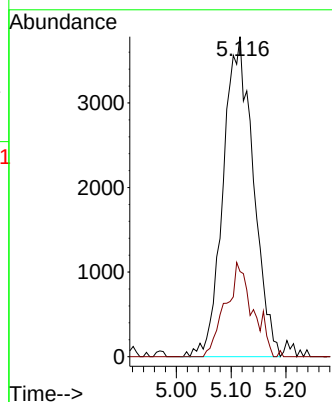
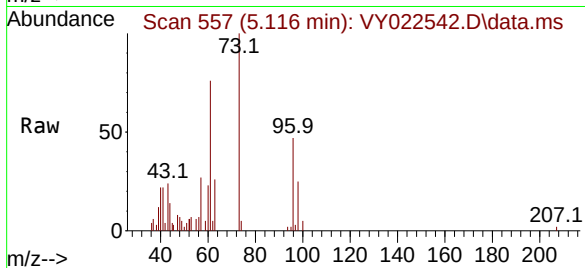
MDL-SOIL-03-QT2-2025

Tgt Ion: 73 Resp: 14439

Ion Ratio Lower Upper

73 100

57 26.6 17.4 26.0#



#20

Methylene Chloride

Concen: 4.221 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.012 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

Tgt Ion: 84 Resp: 9283

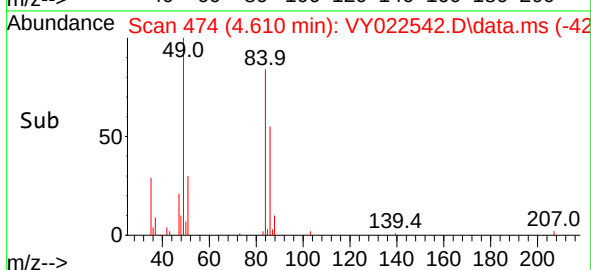
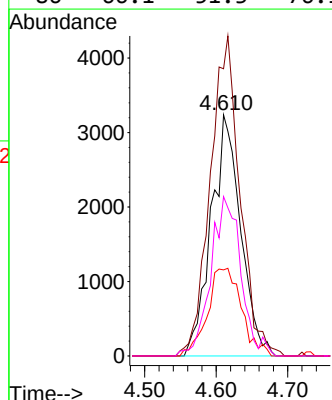
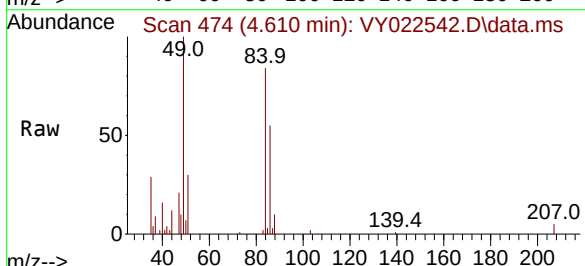
Ion Ratio Lower Upper

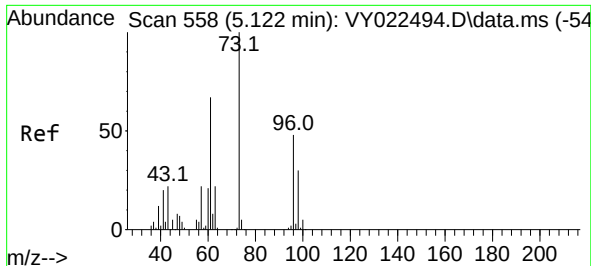
84 100

49 117.3 101.9 152.9

51 35.7 29.8 44.8

86 66.1 51.3 76.9

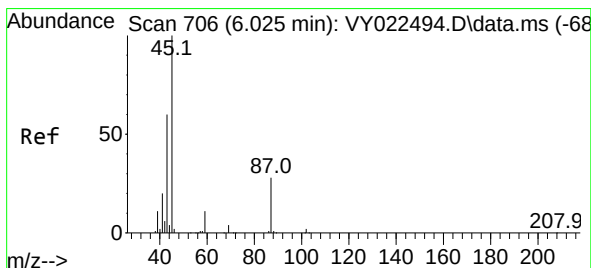
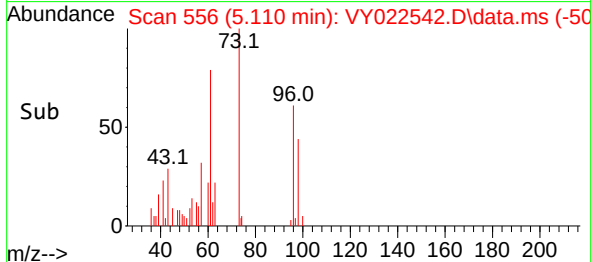
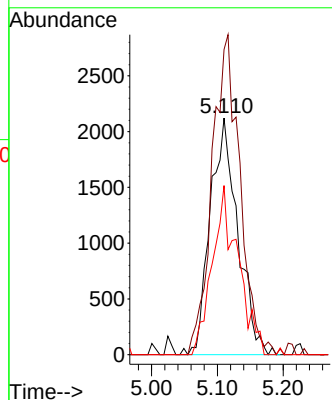
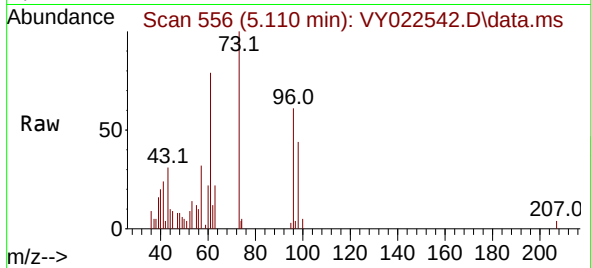




#21
trans-1,2-Dichloroethene
Concen: 3.103 ug/l
RT: 5.110 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

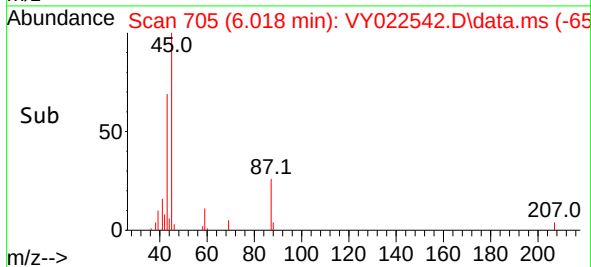
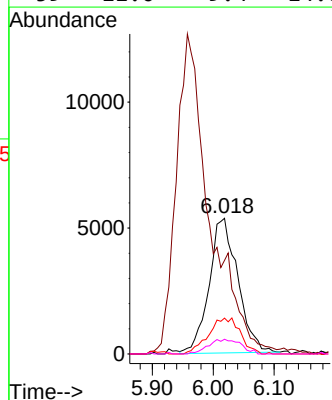
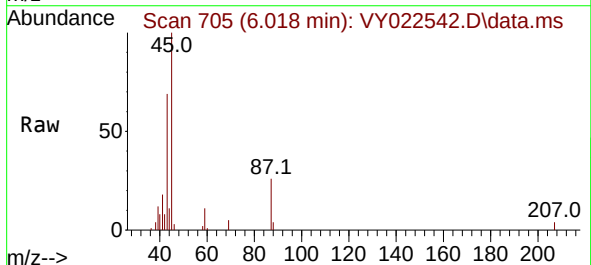
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

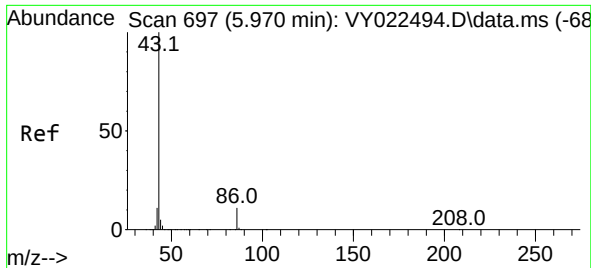
Tgt Ion: 96 Resp: 6208
Ion Ratio Lower Upper
96 100
61 128.9 112.6 169.0
98 71.5 50.6 75.8



#22
Diisopropyl ether
Concen: 2.807 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion: 45 Resp: 17532
Ion Ratio Lower Upper
45 100
43 66.3 48.3 72.5
87 26.8 23.0 34.6
59 11.0 9.4 14.0

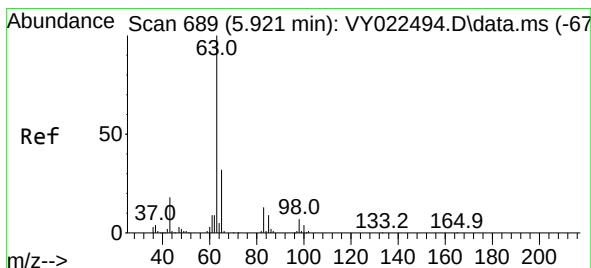
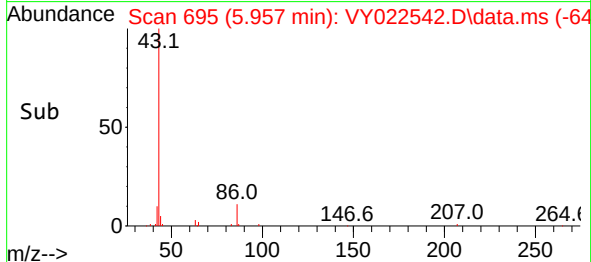
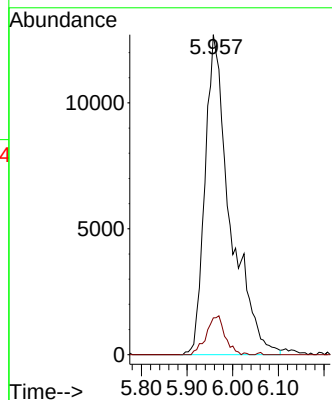
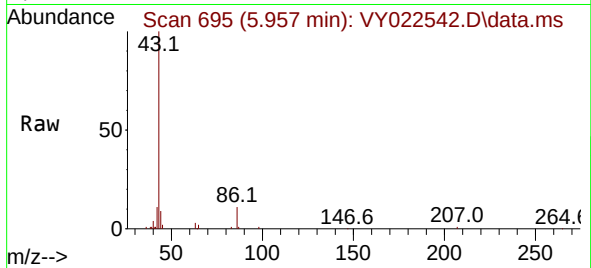




#23
 Vinyl Acetate
 Concen: 13.161 ug/l
 RT: 5.957 min Scan# 695
 Delta R.T. -0.012 min
 Lab File: VY022542.D
 Acq: 04 Jun 2025 11:53

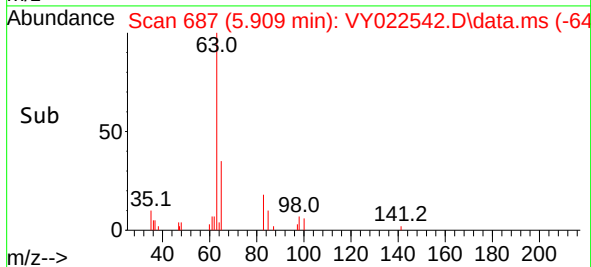
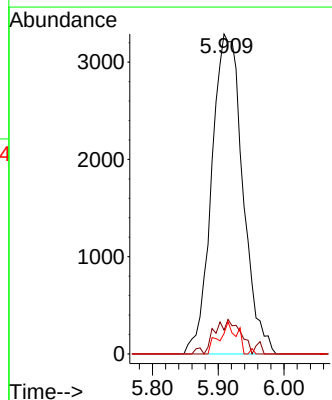
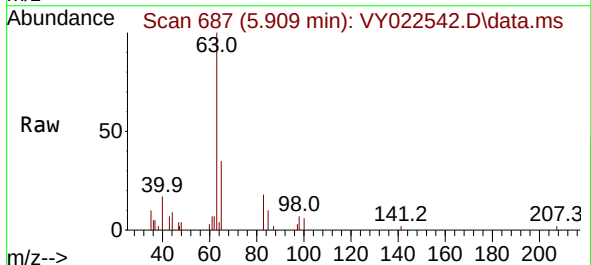
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

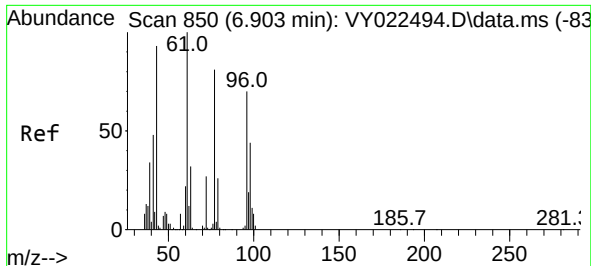
Tgt Ion: 43 Resp: 48653
 Ion Ratio Lower Upper
 43 100
 86 11.5 8.6 12.8



#24
 1,1-Dichloroethane
 Concen: 2.938 ug/l
 RT: 5.909 min Scan# 687
 Delta R.T. -0.012 min
 Lab File: VY022542.D
 Acq: 04 Jun 2025 11:53

Tgt Ion: 63 Resp: 10811
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.4 10.1
 100 6.4 2.1 6.3

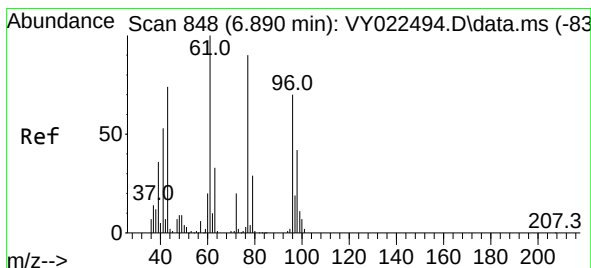
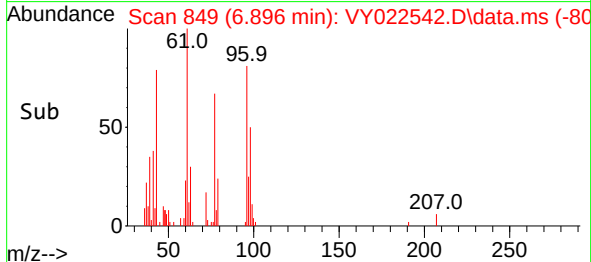
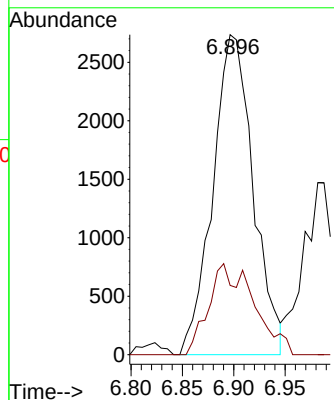
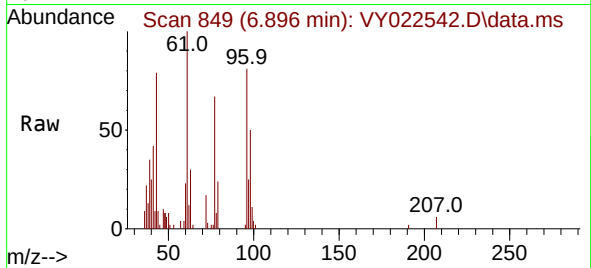




#25
2-Butanone
Concen: 13.407 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

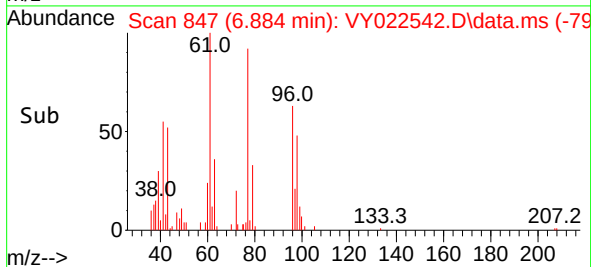
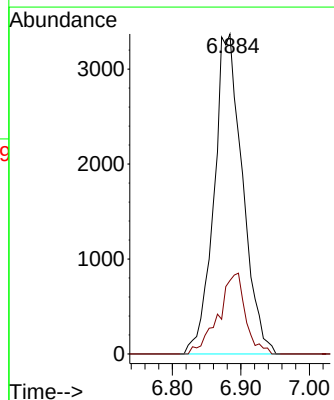
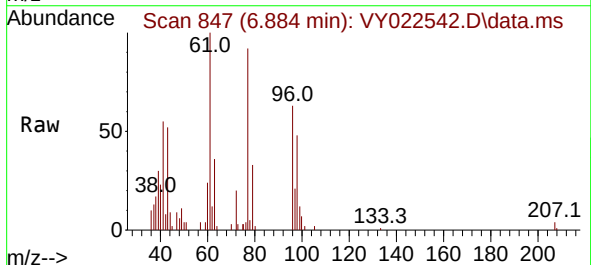
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

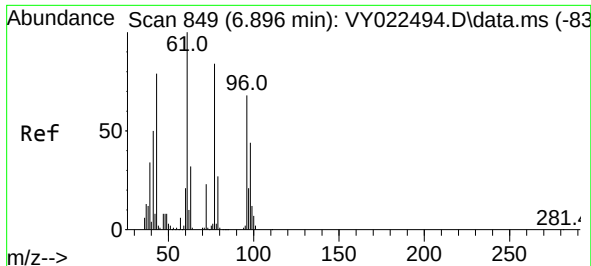
Tgt Ion: 43 Resp: 7487
Ion Ratio Lower Upper
43 100
72 21.6 22.9 34.3#



#26
2,2-Dichloropropane
Concen: 2.993 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion: 77 Resp: 9730
Ion Ratio Lower Upper
77 100
97 23.8 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 3.171 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

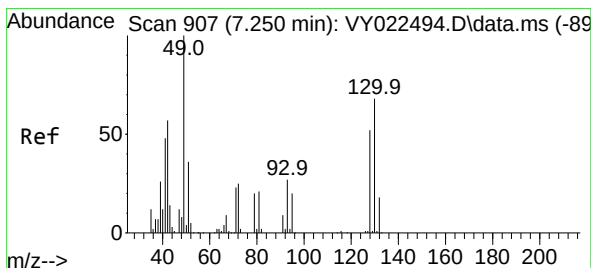
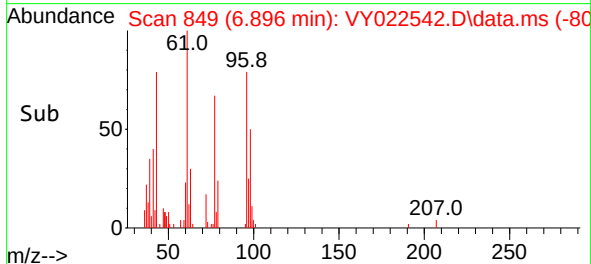
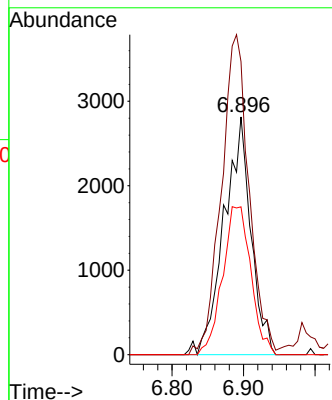
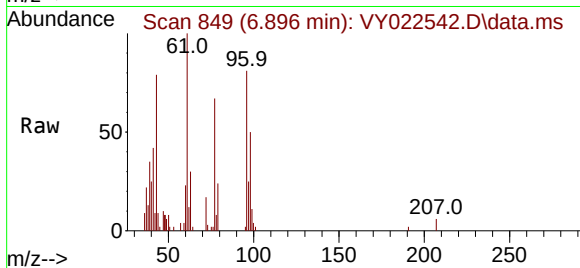
Tgt Ion: 96 Resp: 7333

Ion Ratio Lower Upper

96 100

61 139.5 0.0 290.0

98 65.8 0.0 128.4



#28

Bromochloromethane

Concen: 3.048 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.006 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

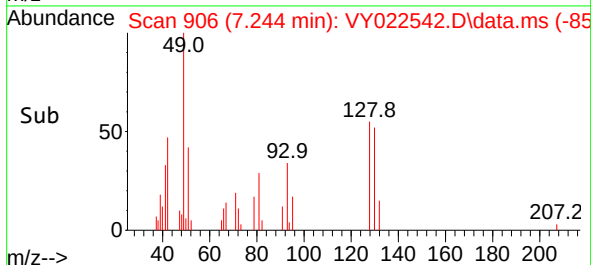
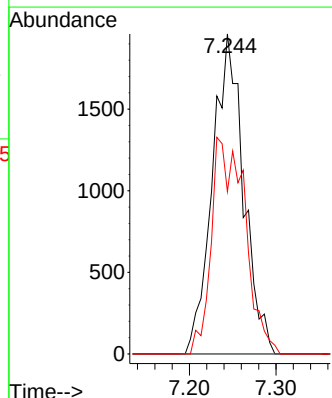
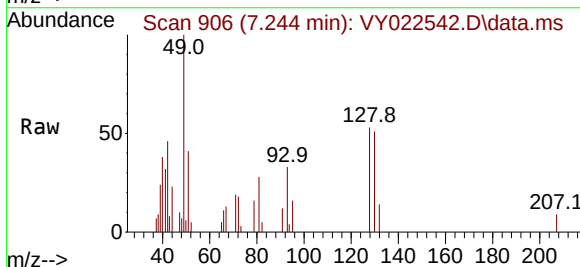
Tgt Ion: 49 Resp: 4889

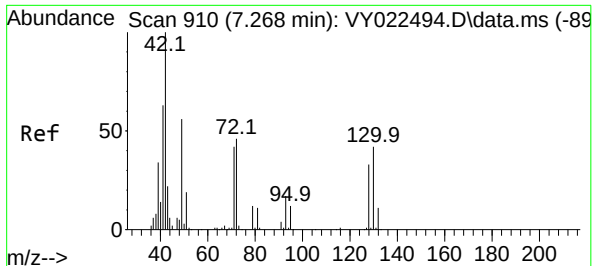
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 36.5 55.7 83.5#





#29

Tetrahydrofuran

Concen: 15.983 ug/l

RT: 7.268 min Scan# 910

Delta R.T. -0.000 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

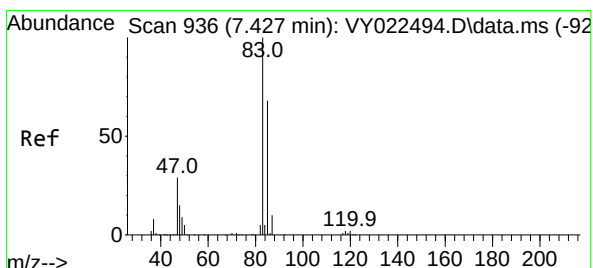
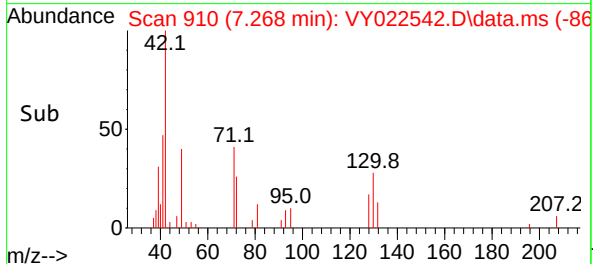
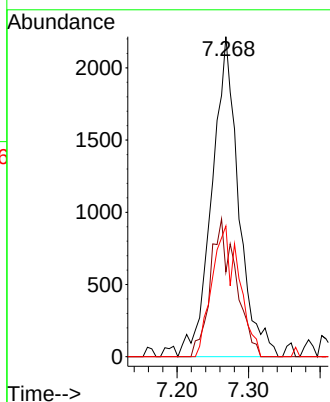
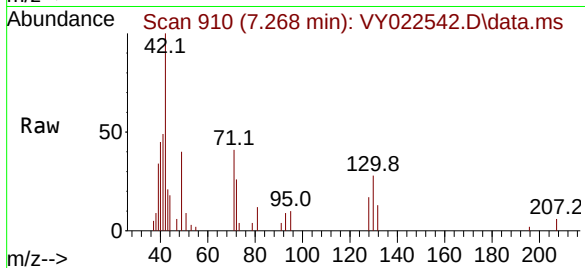
Tgt Ion: 42 Resp: 5757

Ion Ratio Lower Upper

42 100

72 41.1 37.4 56.2

71 41.1 34.2 51.2



#30

Chloroform

Concen: 3.084 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.006 min

Lab File: VY022542.D

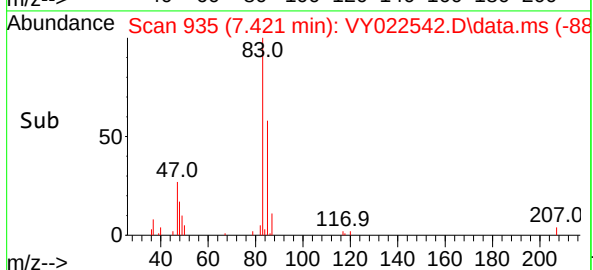
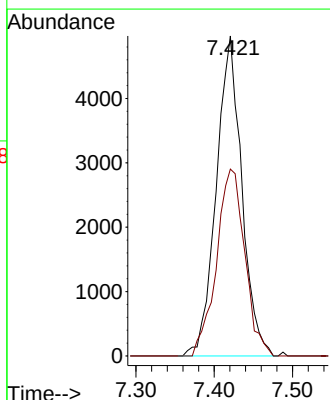
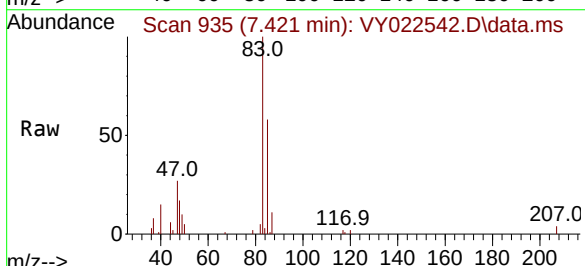
Acq: 04 Jun 2025 11:53

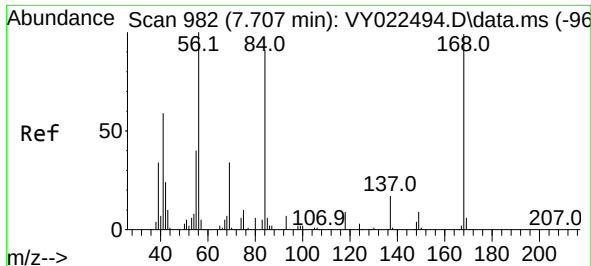
Tgt Ion: 83 Resp: 11241

Ion Ratio Lower Upper

83 100

85 58.4 54.2 81.4

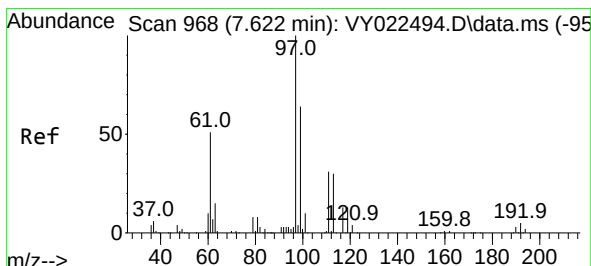
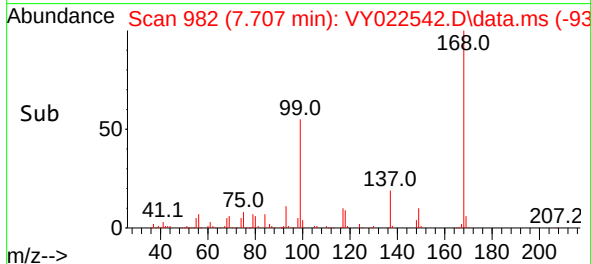
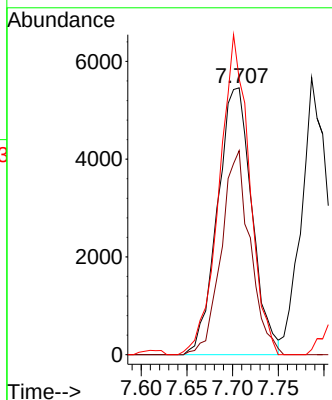
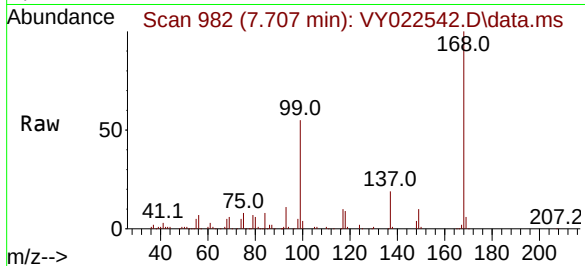




#31
Cyclohexane
Concen: 3.907 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

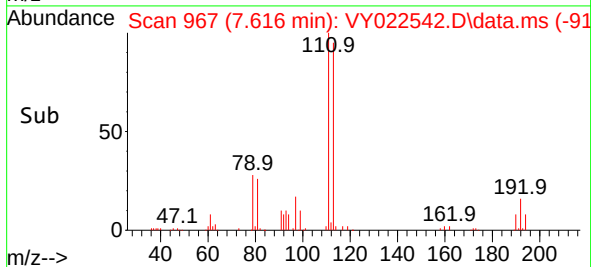
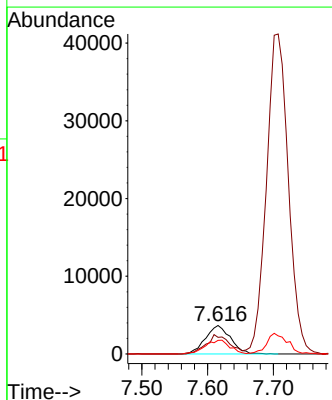
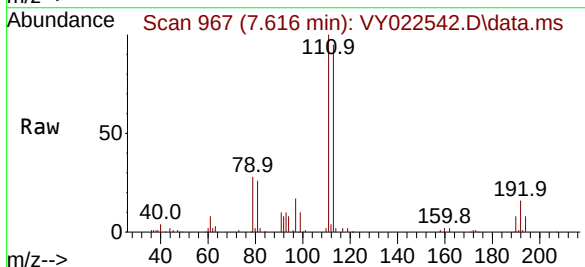
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

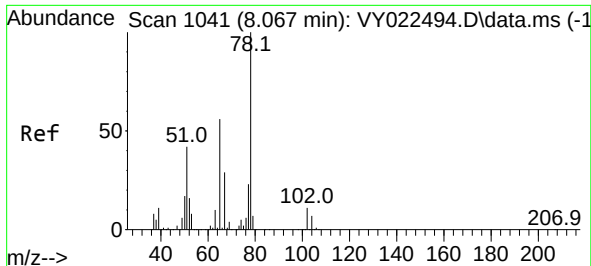
Tgt Ion: 56 Resp: 14312
Ion Ratio Lower Upper
56 100
69 76.4 27.0 40.6#
84 103.3 72.6 109.0



#32
1,1,1-Trichloroethane
Concen: 2.997 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion: 97 Resp: 9697
Ion Ratio Lower Upper
97 100
99 62.4 50.9 76.3
61 47.8 38.5 57.7

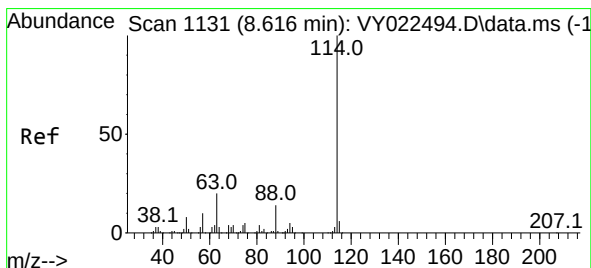
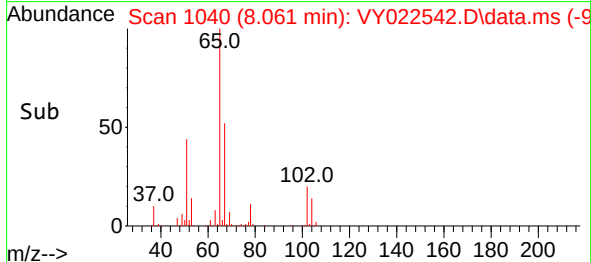
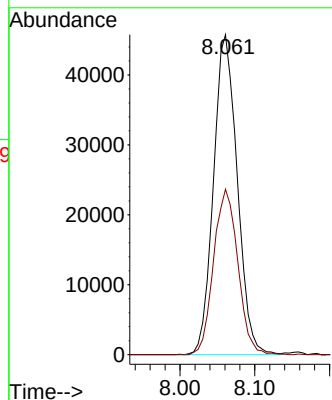
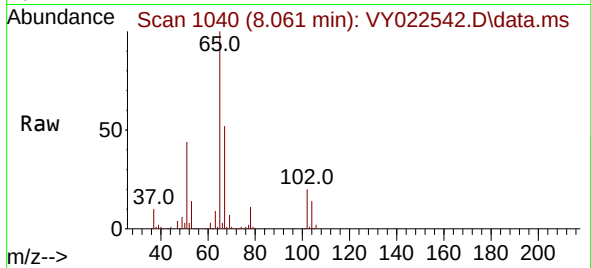




#33
1,2-Dichloroethane-d4
Concen: 52.973 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

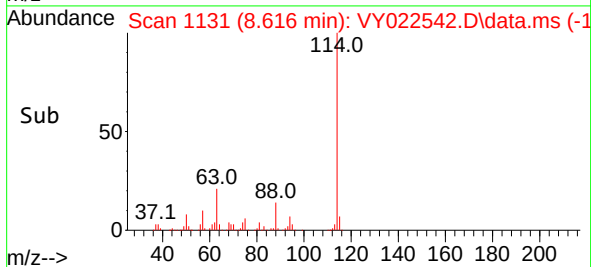
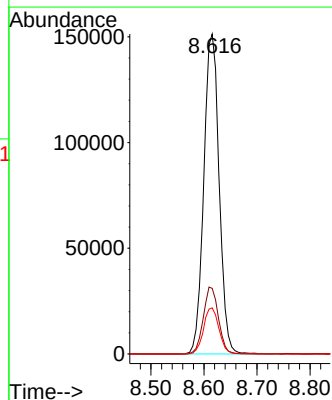
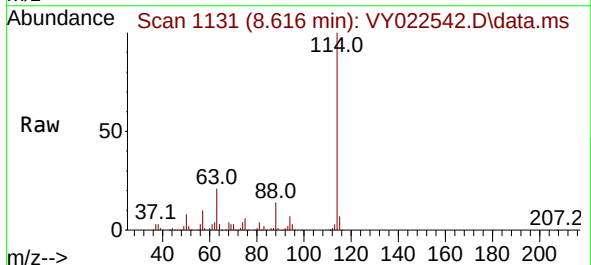
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

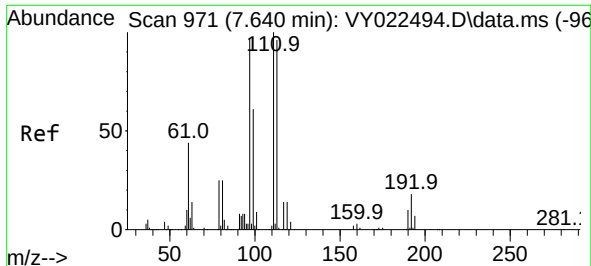
Tgt Ion: 65 Resp: 100987
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion: 114 Resp: 304063
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 14.4 0.0 27.8

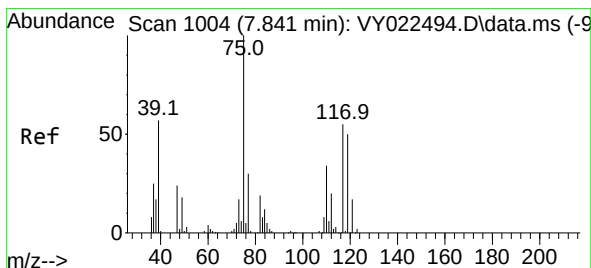
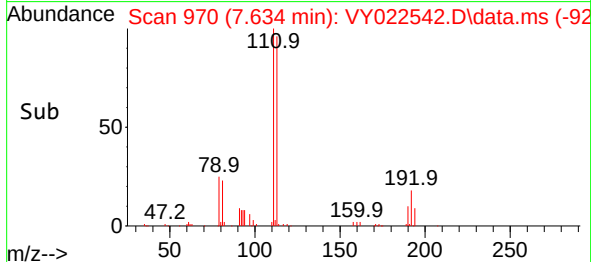
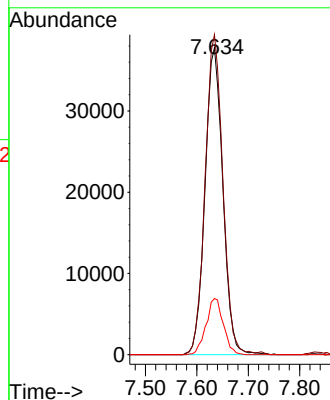
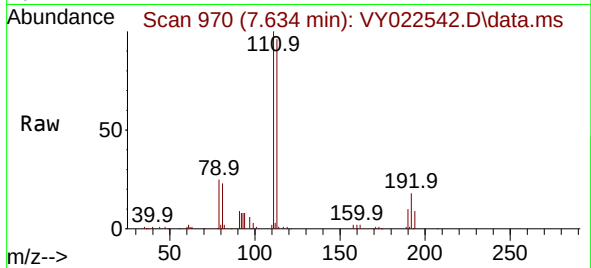




#35
Dibromofluoromethane
Concen: 50.085 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

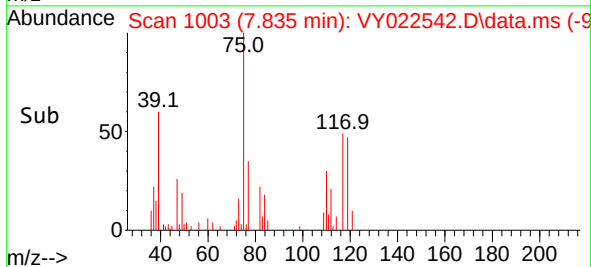
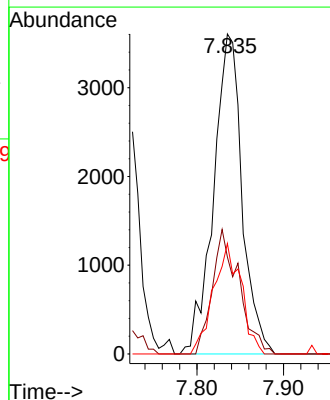
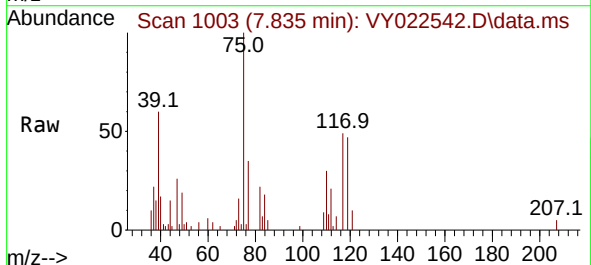
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

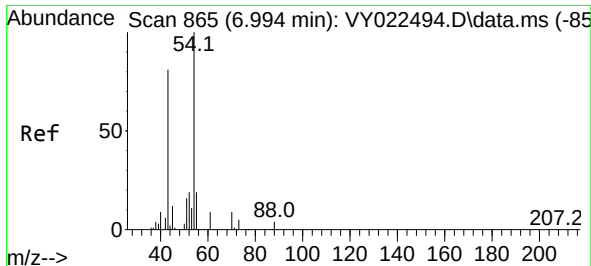
Tgt Ion:113 Resp: 90899
Ion Ratio Lower Upper
113 100
111 103.6 81.1 121.7
192 17.8 14.2 21.2



#36
1,1-Dichloropropene
Concen: 2.803 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion: 75 Resp: 8257
Ion Ratio Lower Upper
75 100
110 36.3 16.9 50.7
77 33.4 24.8 37.2

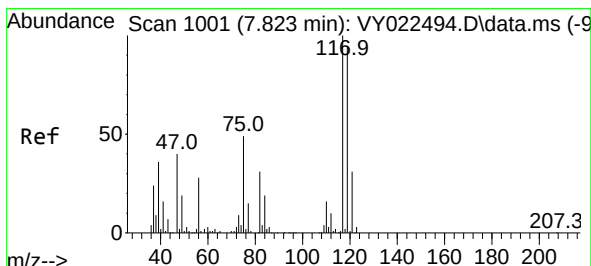
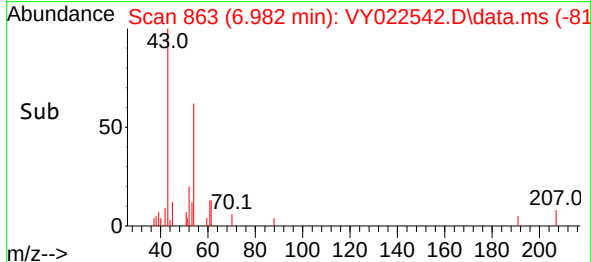
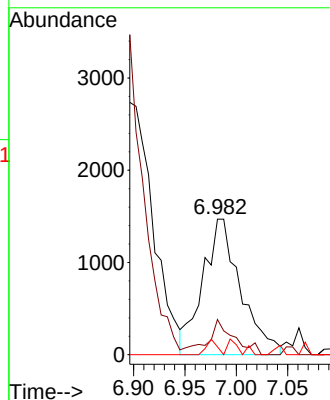
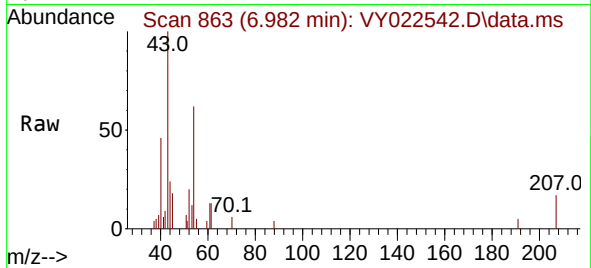




#37
Ethyl Acetate
Concen: 2.866 ug/l
RT: 6.982 min Scan# 80
Delta R.T. -0.012 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

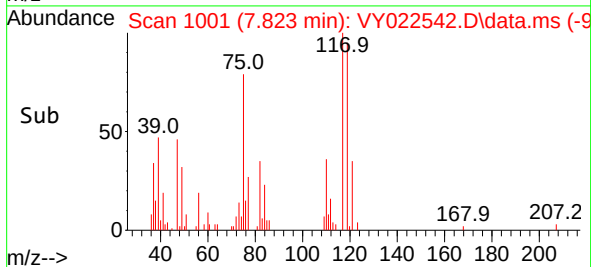
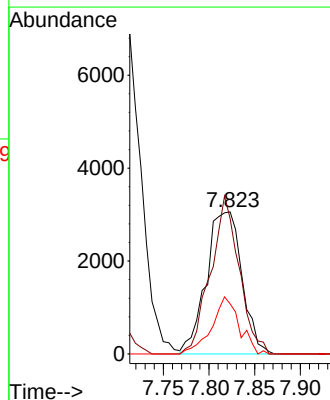
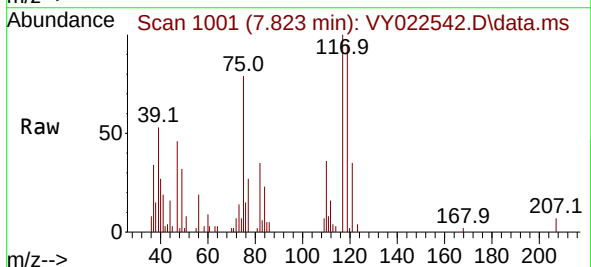
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

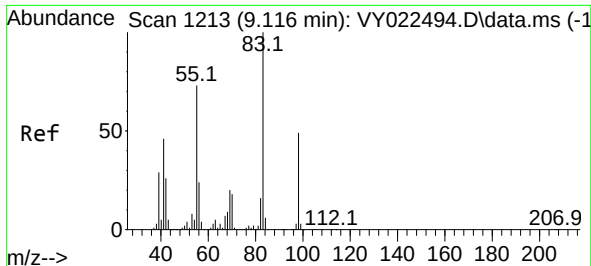
Tgt Ion: 43 Resp: 3765
Ion Ratio Lower Upper
43 100
61 17.5 11.5 17.3#
70 3.1 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 2.748 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion: 117 Resp: 8305
Ion Ratio Lower Upper
117 100
119 95.5 75.0 112.6
121 35.2 25.0 37.4





#39

Methylcyclohexane

Concen: 2.742 ug/l

RT: 9.103 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

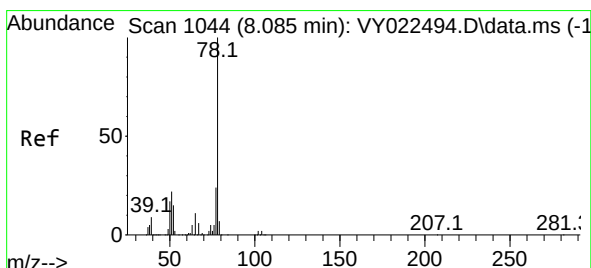
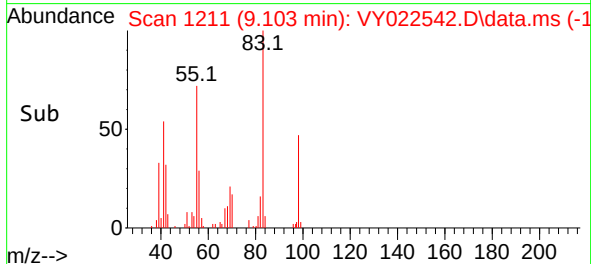
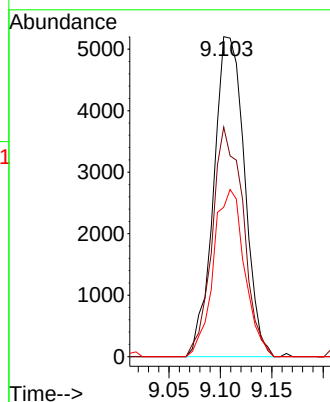
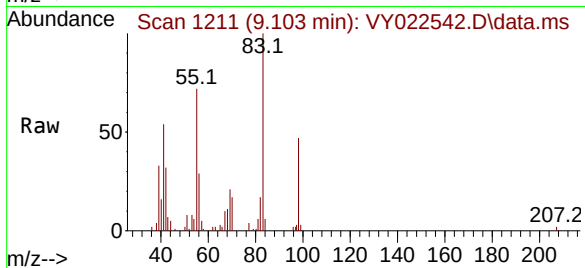
Tgt Ion: 83 Resp: 10852

Ion Ratio Lower Upper

83 100

55 71.7 58.1 87.1

98 46.7 39.0 58.6



#40

Benzene

Concen: 2.872 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. -0.000 min

Lab File: VY022542.D

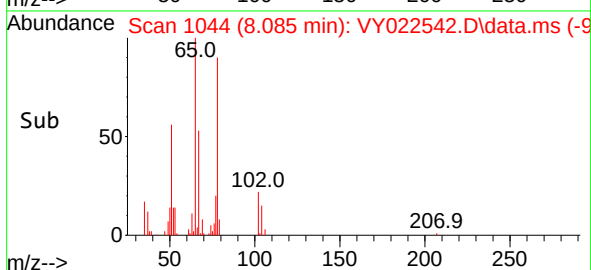
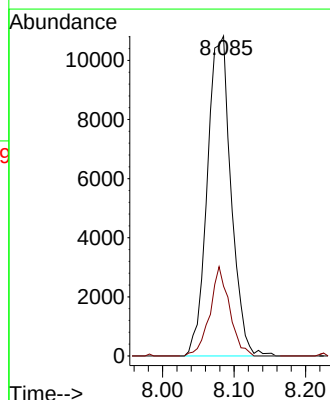
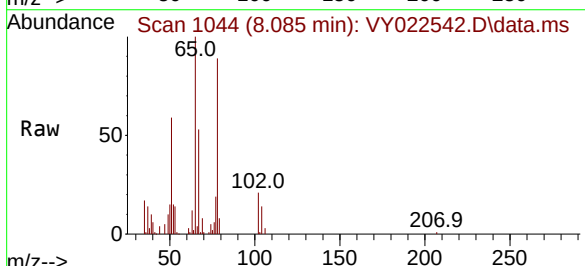
Acq: 04 Jun 2025 11:53

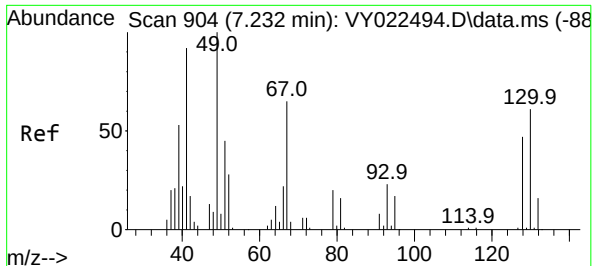
Tgt Ion: 78 Resp: 24987

Ion Ratio Lower Upper

78 100

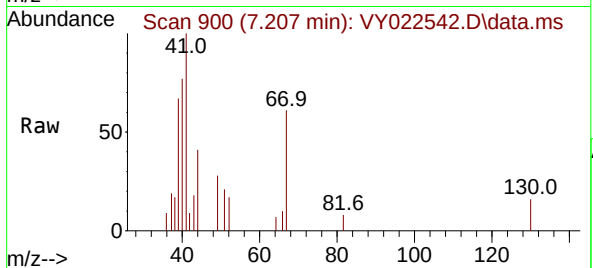
77 21.8 19.3 28.9



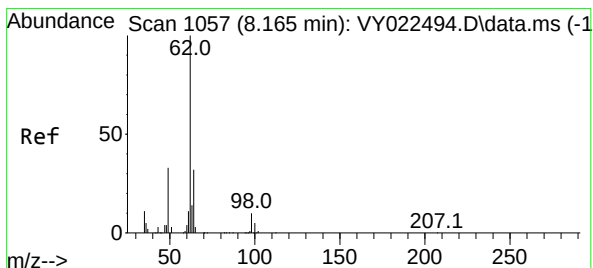
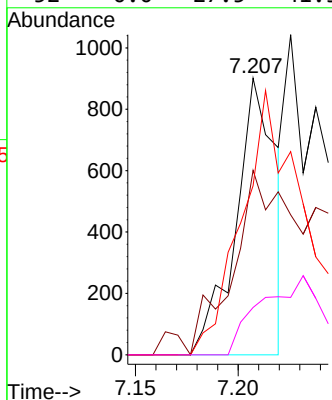
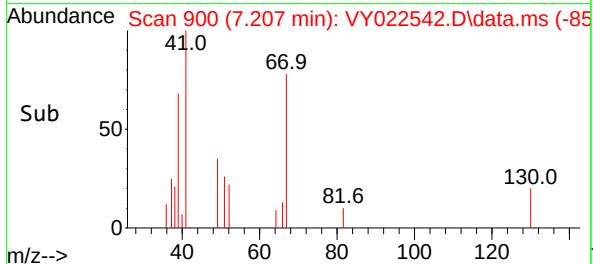


#41
Methacrylonitrile
Concen: 1.591 ug/l
RT: 7.207 min Scan# 904
Delta R.T. -0.025 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

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

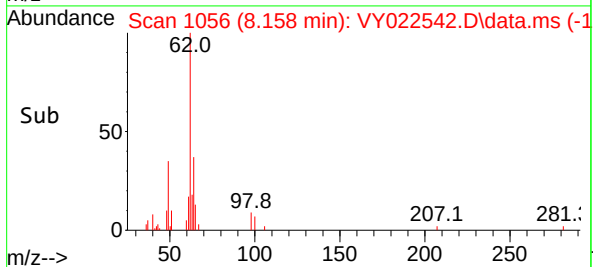
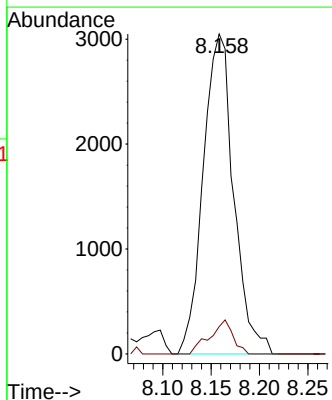
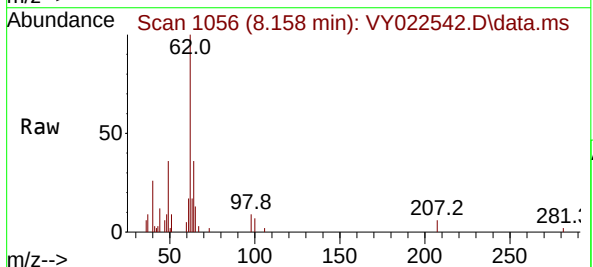


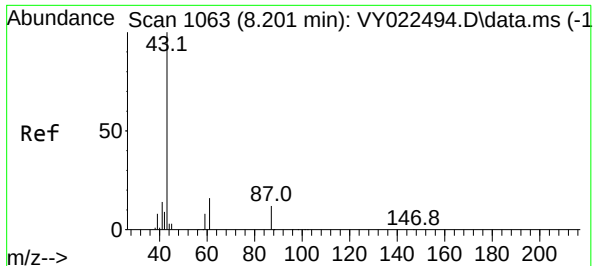
Tgt Ion:	41	Resp:	1221
Ion	Ratio	Lower	Upper
41	100		
39	104.1	46.6	69.8#
67	152.4	63.3	94.9#
52	0.0	27.5	41.3#



#42
1,2-Dichloroethane
Concen: 2.818 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion:	62	Resp:	6693
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	19.2





#43

Isopropyl Acetate

Concen: 2.691 ug/l

RT: 8.195 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

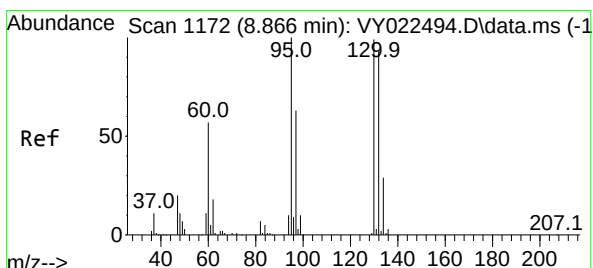
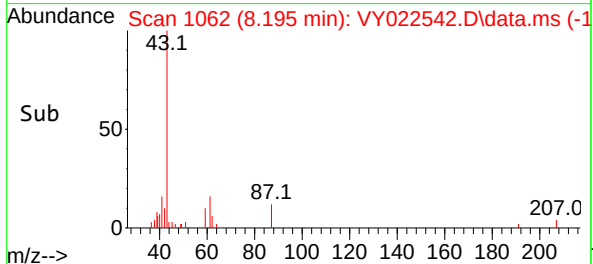
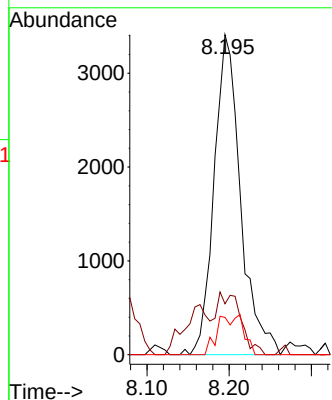
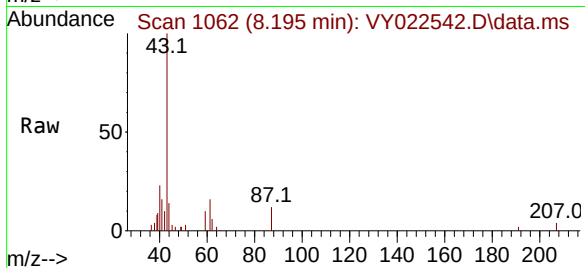
Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion: 43	Resp: 7635
Ion Ratio	Lower Upper
43	100
61	18.1 15.6 23.4
87	0.0 10.2 15.4#



#44

Trichloroethene

Concen: 2.914 ug/l

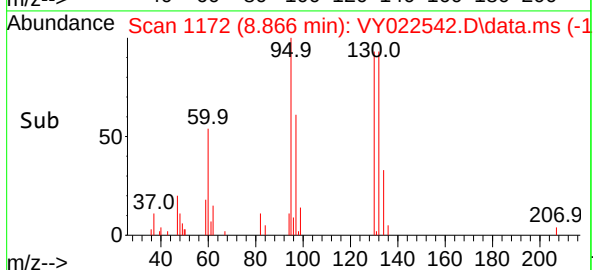
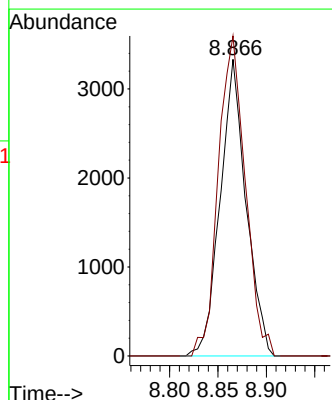
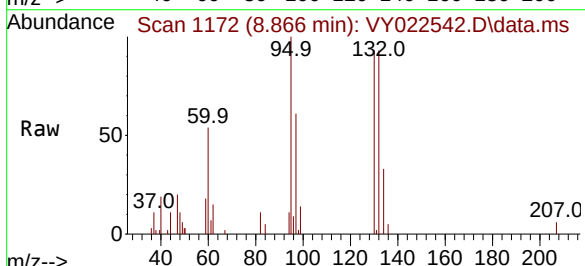
RT: 8.866 min Scan# 1172

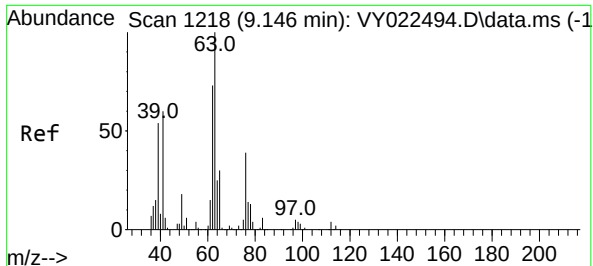
Delta R.T. -0.000 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

Tgt Ion: 130	Resp: 6196
Ion Ratio	Lower Upper
130	100
95	107.9 0.0 203.0





#45

1,2-Dichloropropane

Concen: 2.992 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. -0.000 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

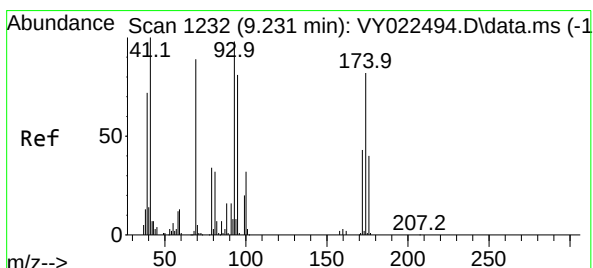
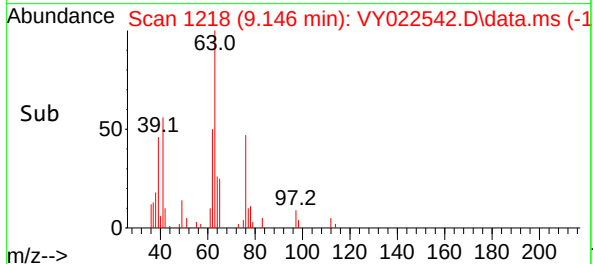
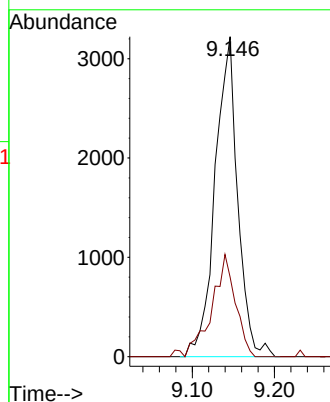
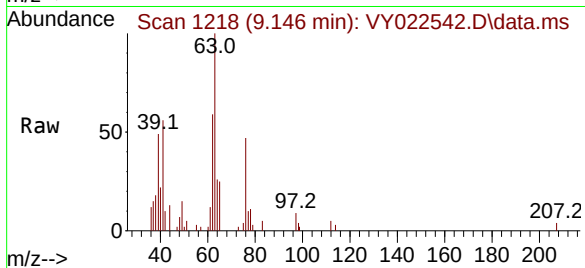
MDL-SOIL-03-QT2-2025

Tgt Ion: 63 Resp: 6152

Ion Ratio Lower Upper

63 100

65 24.9 24.0 36.0



#46

Dibromomethane

Concen: 3.134 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

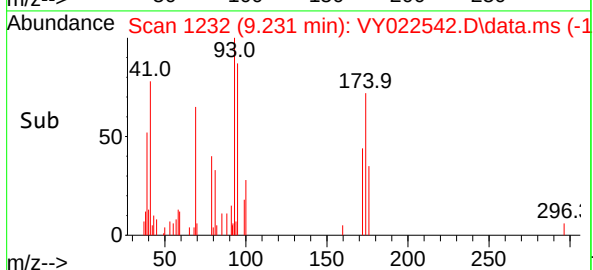
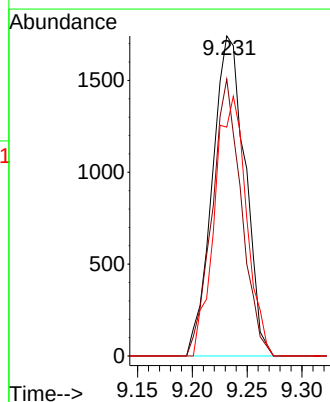
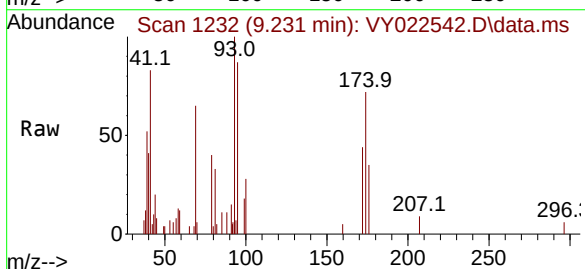
Tgt Ion: 93 Resp: 3625

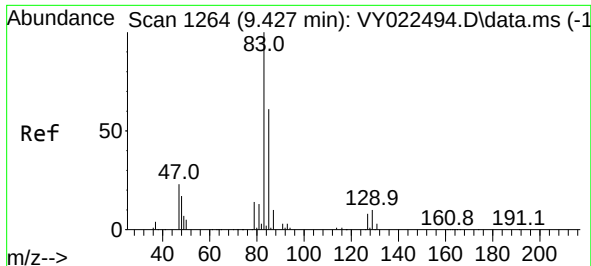
Ion Ratio Lower Upper

93 100

95 77.3 65.6 98.4

174 78.8 70.4 105.6





#47

Bromodichloromethane

Concen: 2.745 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.006 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

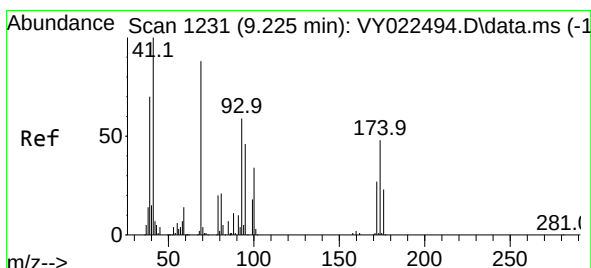
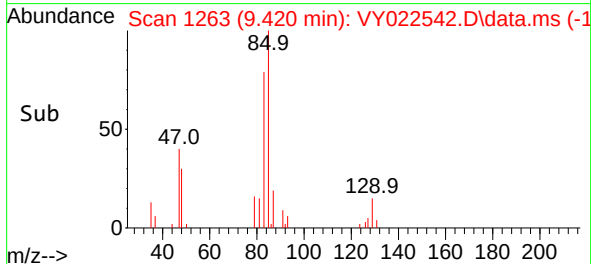
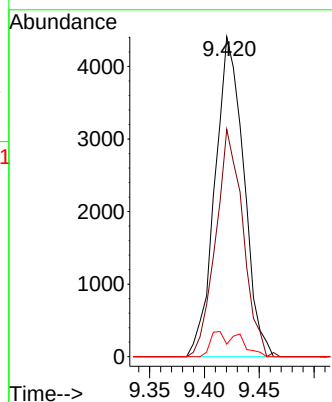
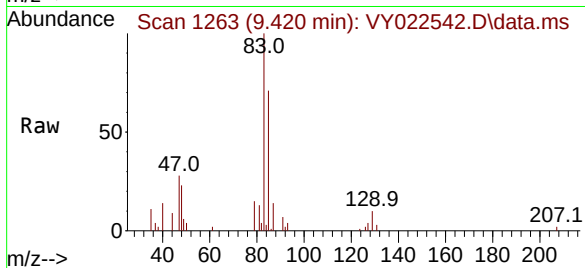
Tgt Ion: 83 Resp: 8052

Ion Ratio Lower Upper

83 100

85 71.1 49.1 73.7

127 3.9 6.2 9.4#



#48

Methyl methacrylate

Concen: 2.454 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

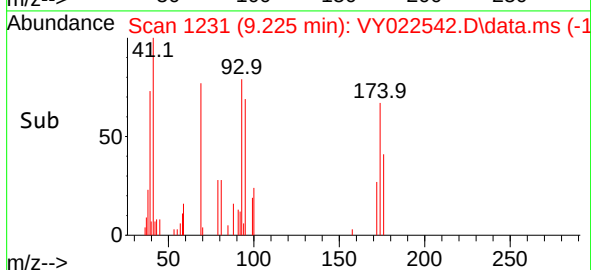
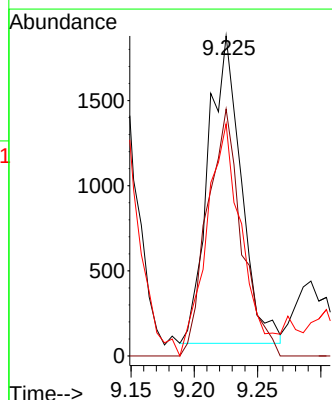
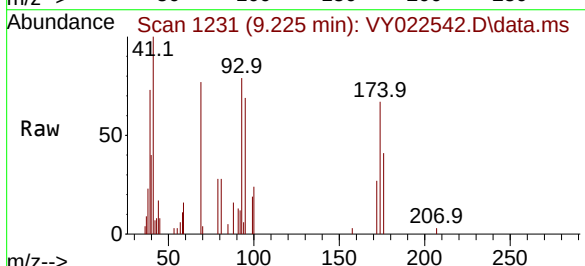
Tgt Ion: 41 Resp: 3267

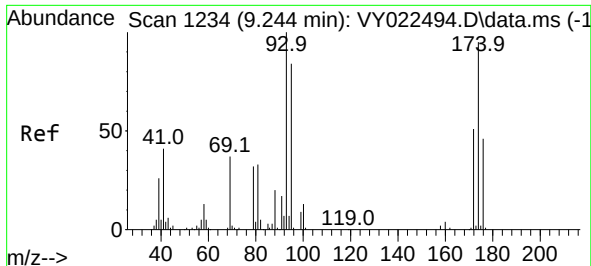
Ion Ratio Lower Upper

41 100

69 83.7 67.8 101.8

39 81.5 55.0 82.4





#49

1,4-Dioxane

Concen: 44.148 ug/l

RT: 9.237 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

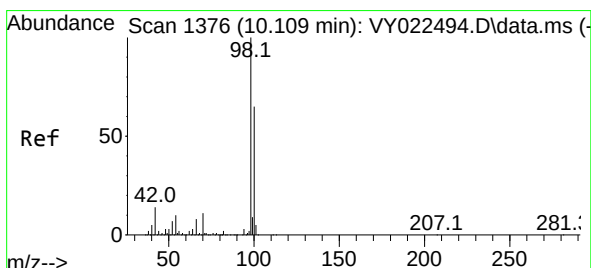
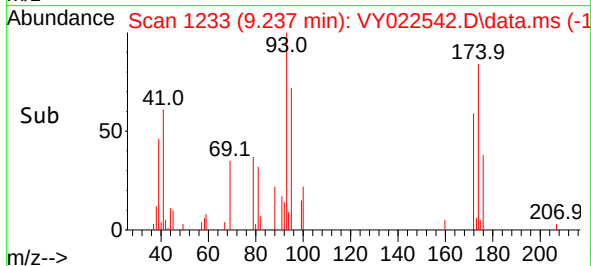
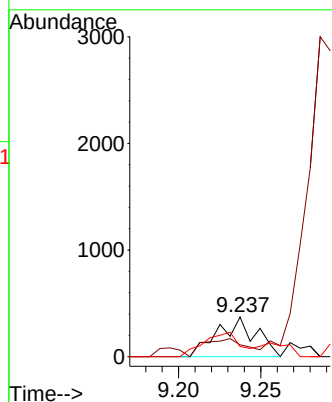
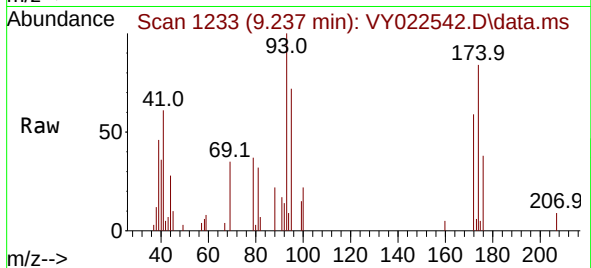
Tgt Ion: 88 Resp: 605

Ion Ratio Lower Upper

88 100

43 51.6 25.4 38.2#

58 57.7 54.9 82.3



#50

Toluene-d8

Concen: 49.650 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022542.D

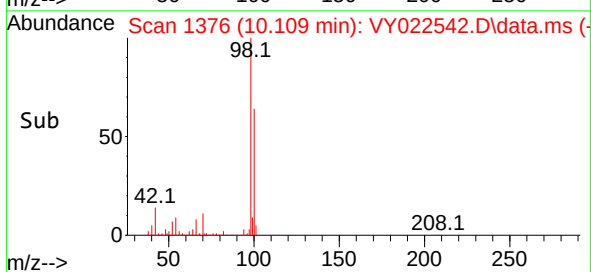
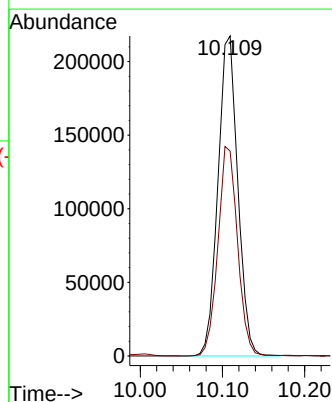
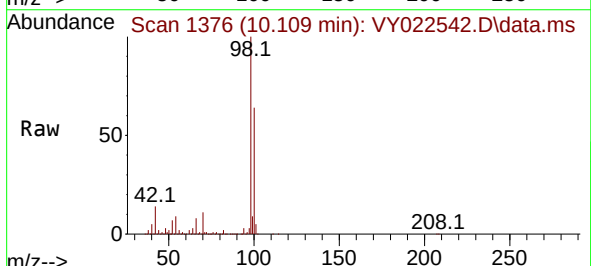
Acq: 04 Jun 2025 11:53

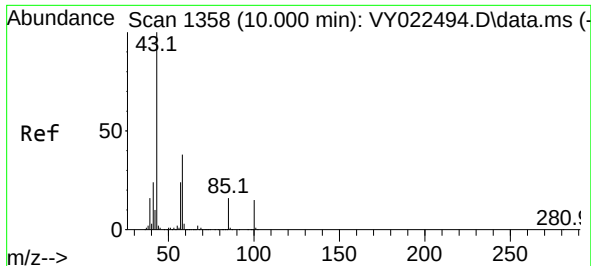
Tgt Ion: 98 Resp: 364099

Ion Ratio Lower Upper

98 100

100 64.8 51.4 77.0

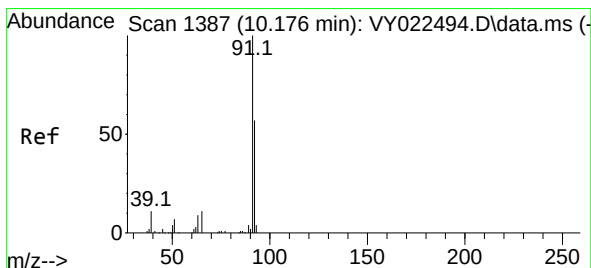
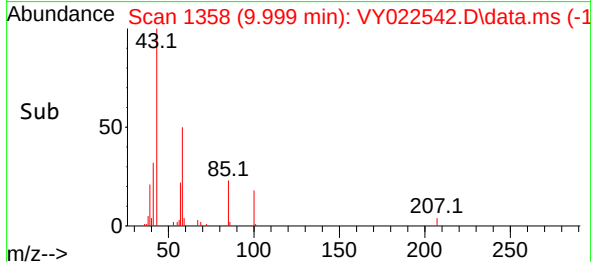
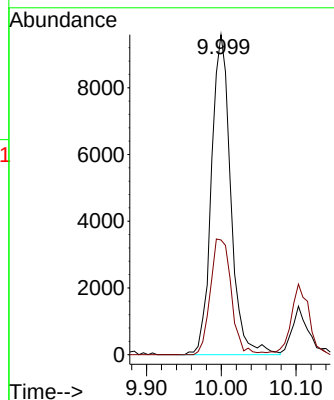
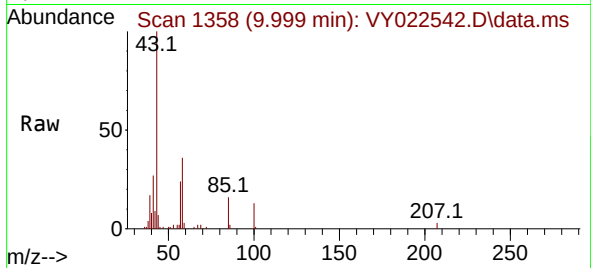




#51
4-Methyl-2-Pentanone
Concen: 12.175 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

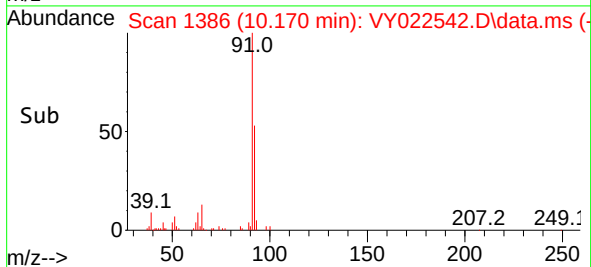
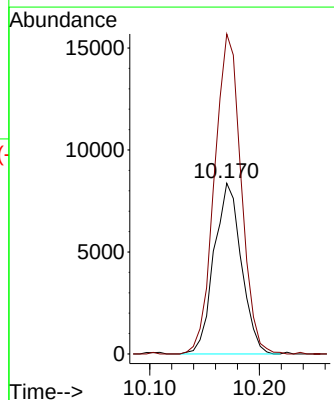
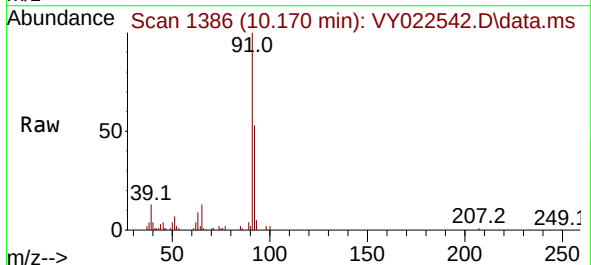
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

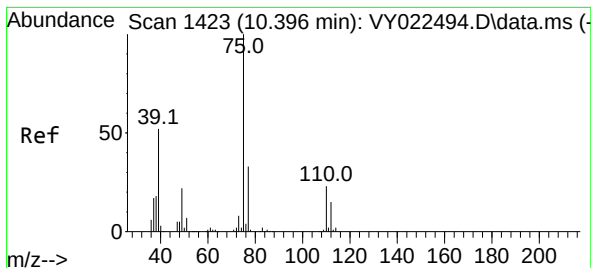
Tgt Ion: 43 Resp: 17220
Ion Ratio Lower Upper
43 100
58 38.9 30.4 45.6



#52
Toluene
Concen: 2.647 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion: 92 Resp: 14472
Ion Ratio Lower Upper
92 100
91 183.4 139.0 208.4

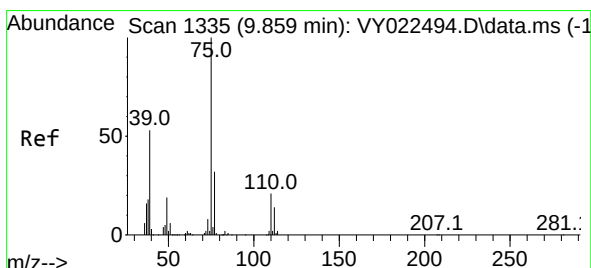
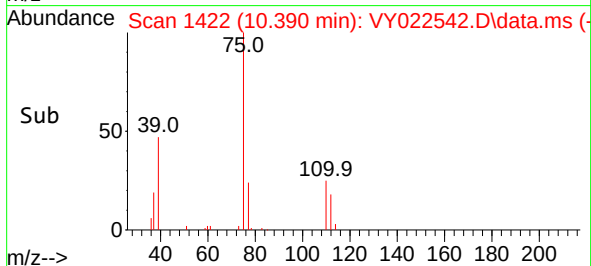
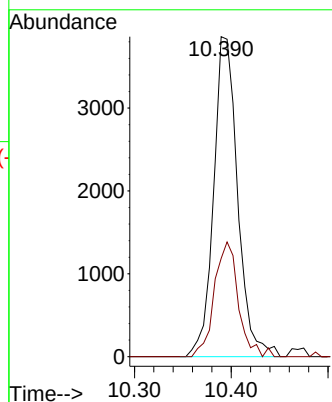
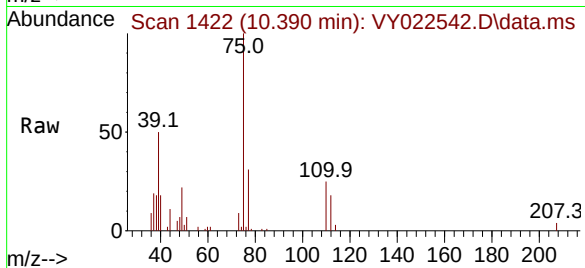




#53
t-1,3-Dichloropropene
Concen: 2.426 ug/l
RT: 10.390 min Scan# 1423
Delta R.T. -0.006 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

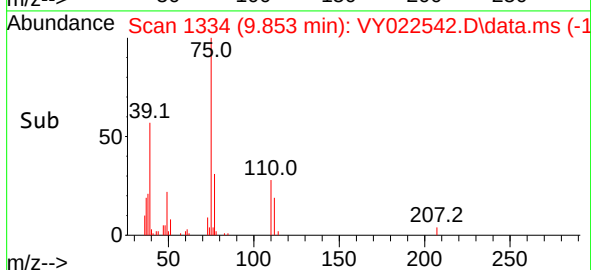
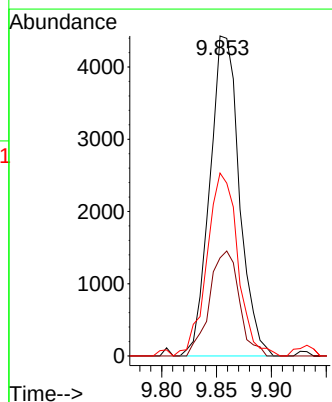
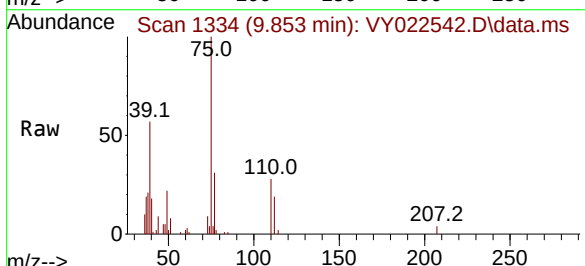
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025

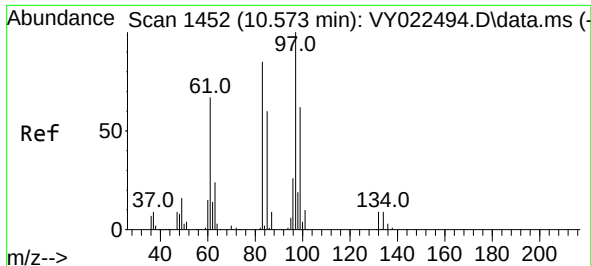
Tgt Ion: 75 Resp: 6668
Ion Ratio Lower Upper
75 100
77 30.7 26.5 39.7



#54
cis-1,3-Dichloropropene
Concen: 2.601 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.006 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion: 75 Resp: 8320
Ion Ratio Lower Upper
75 100
77 30.7 25.3 37.9
39 57.1 42.7 64.1

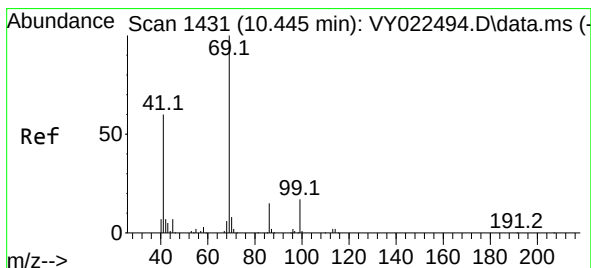
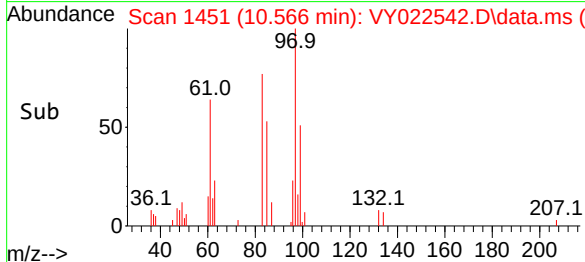
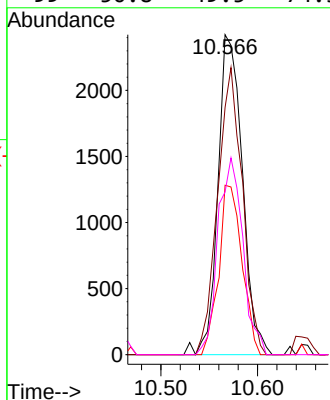
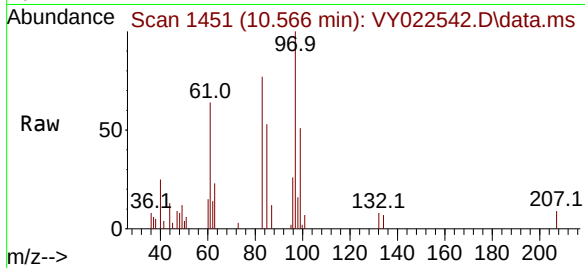




#55
1,1,2-Trichloroethane
Concen: 2.875 ug/l
RT: 10.566 min Scan# 1451
Delta R.T. -0.006 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

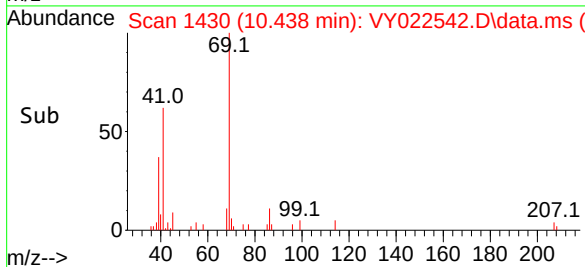
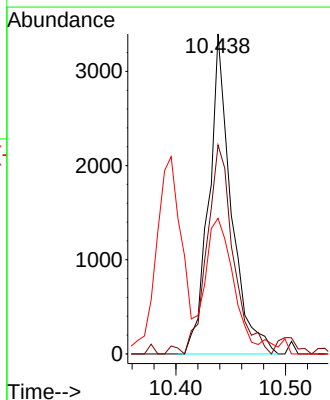
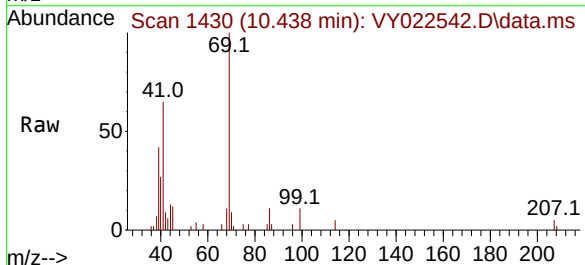
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025

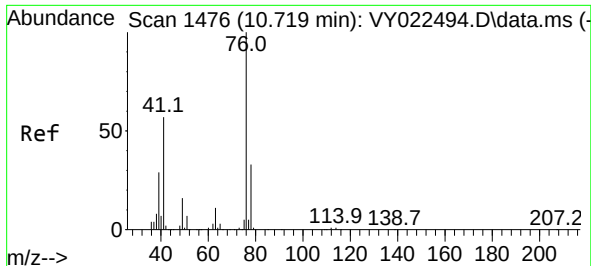
Tgt Ion: 97	Resp: 4241
Ion Ratio	Lower Upper
97 100	
83 77.3	68.1 102.1
85 52.9	48.2 72.2
99 50.8	49.5 74.3



#56
Ethyl methacrylate
Concen: 2.265 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion: 69	Resp: 4829		
Ion Ratio	Lower	Upper	
69 100			
41 77.1	52.2	78.2	
39 47.6	36.7	55.1	





#57

1,3-Dichloropropane

Concen: 2.675 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

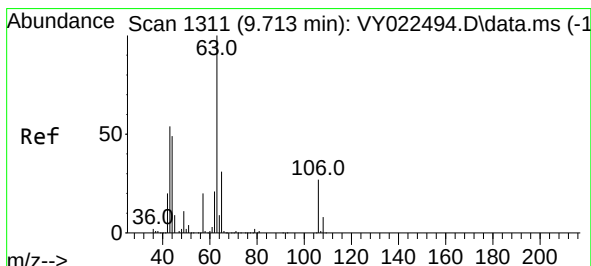
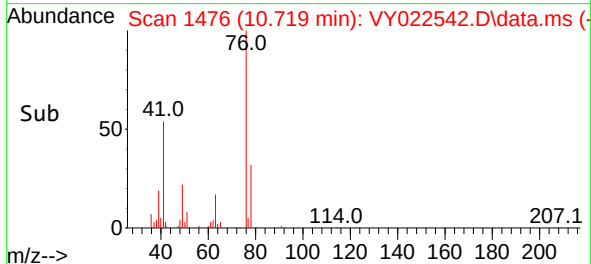
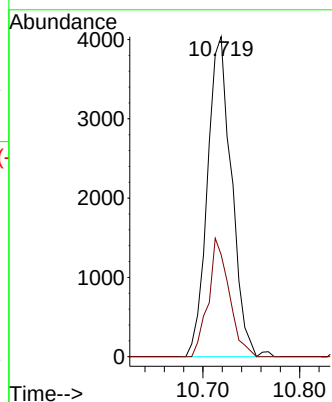
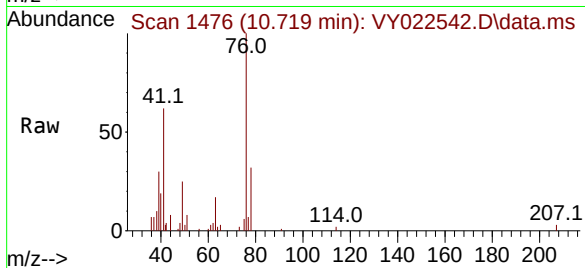
MDL-SOIL-03-QT2-2025

Tgt Ion: 76 Resp: 6992

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 12.930 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. -0.000 min

Lab File: VY022542.D

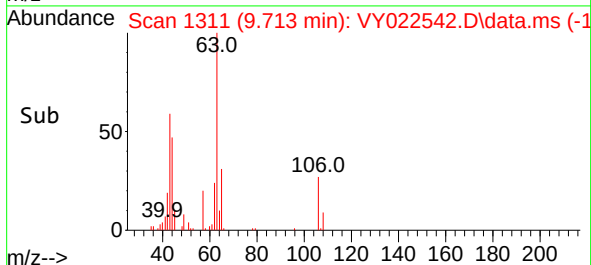
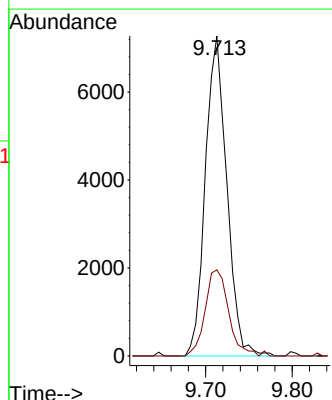
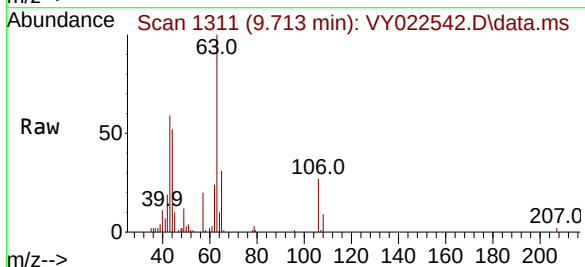
Acq: 04 Jun 2025 11:53

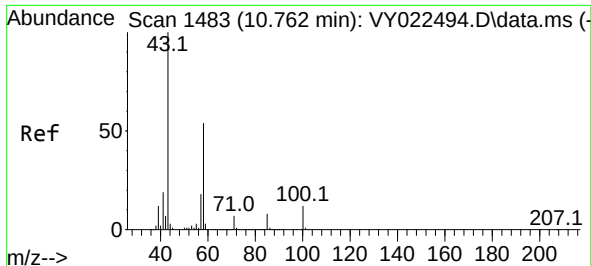
Tgt Ion: 63 Resp: 12515

Ion Ratio Lower Upper

63 100

106 29.6 21.6 32.4

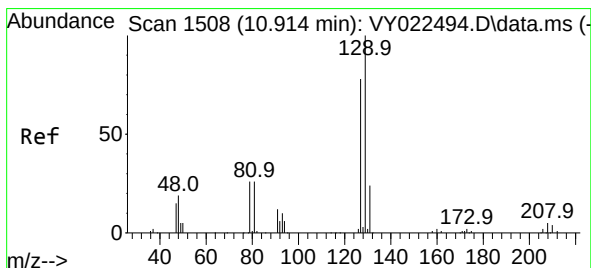
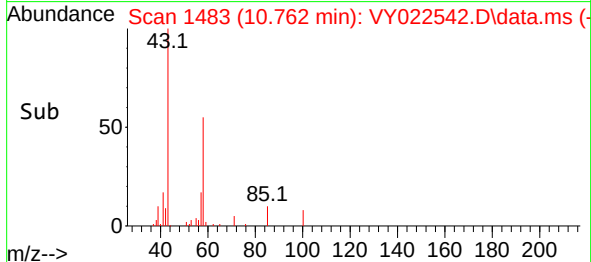
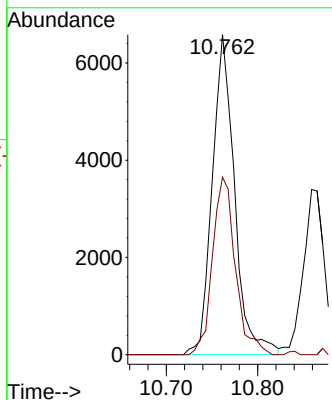
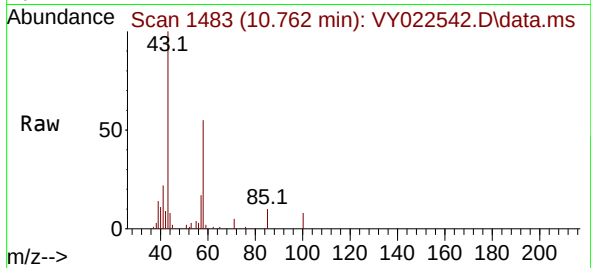




#59
2-Hexanone
Concen: 11.768 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

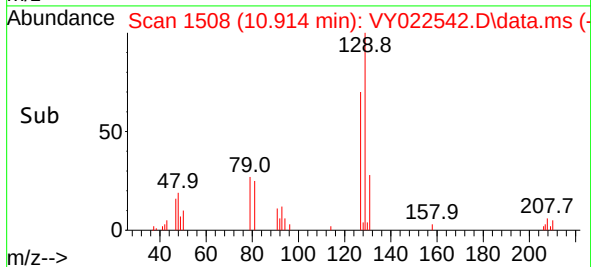
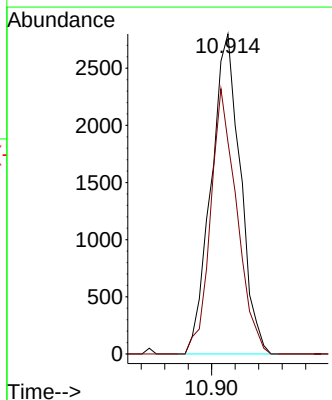
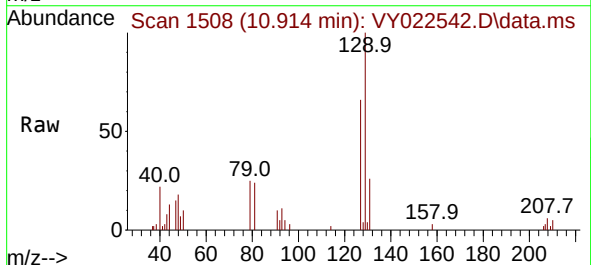
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

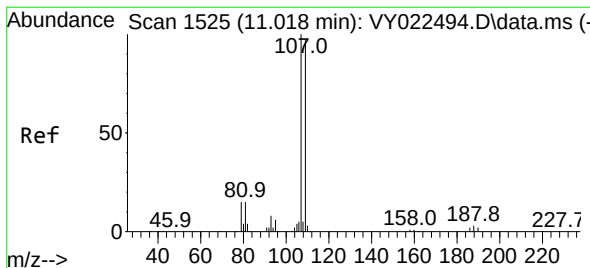
Tgt Ion: 43 Resp: 11132
Ion Ratio Lower Upper
43 100
58 57.1 27.3 81.8



#60
Dibromochloromethane
Concen: 2.576 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion: 129 Resp: 4828
Ion Ratio Lower Upper
129 100
127 74.3 39.1 117.2

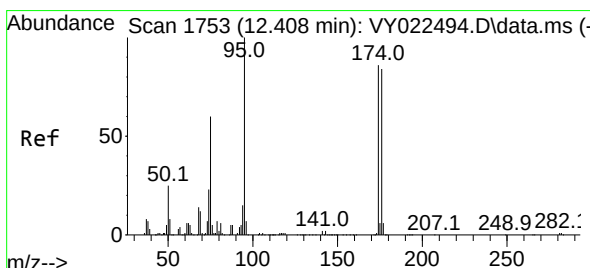
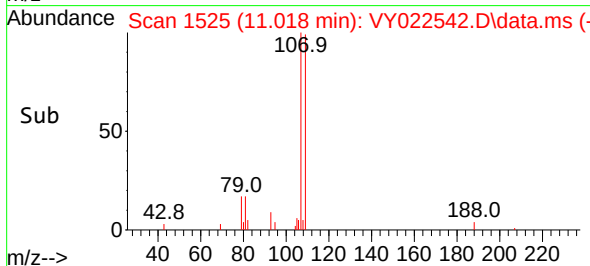
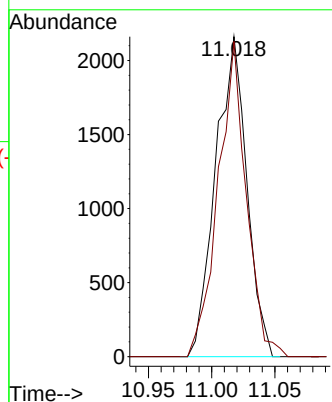
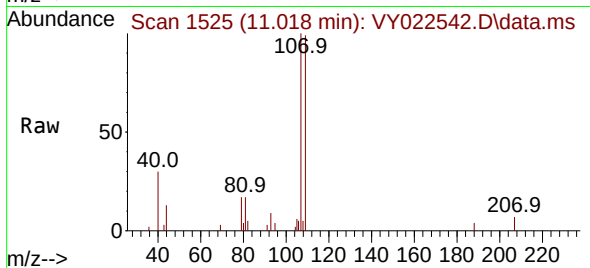




#61
1,2-Dibromoethane
Concen: 2.751 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

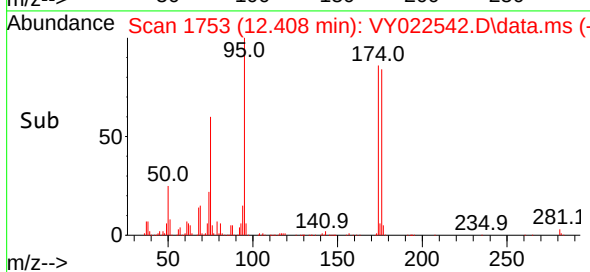
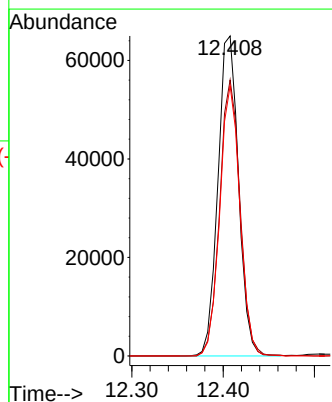
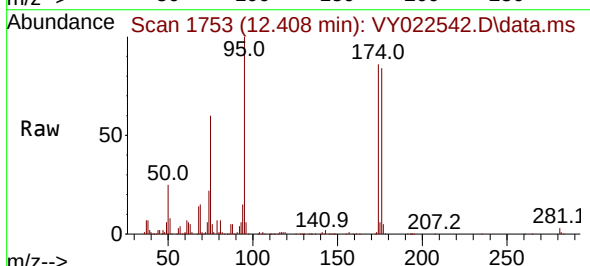
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

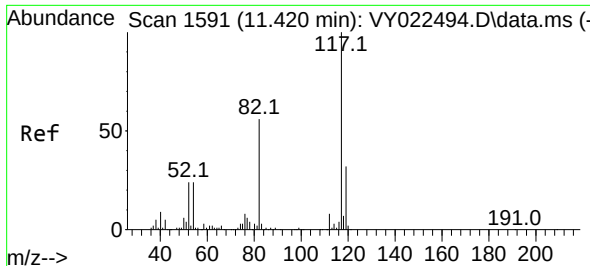
Tgt Ion:107 Resp: 3699
Ion Ratio Lower Upper
107 100
109 89.1 77.7 116.5



#62
4-Bromofluorobenzene
Concen: 46.591 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion: 95 Resp: 101800
Ion Ratio Lower Upper
95 100
174 85.4 0.0 170.0
176 82.7 0.0 166.2

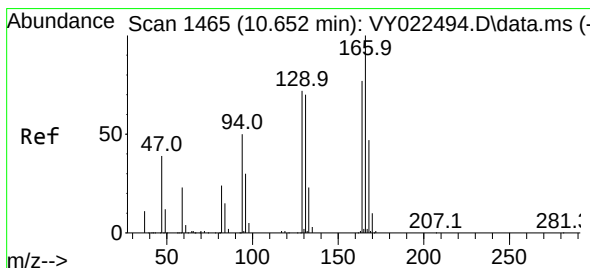
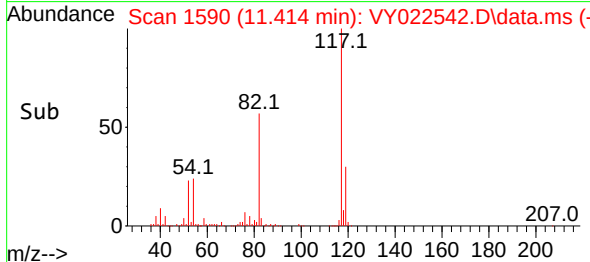
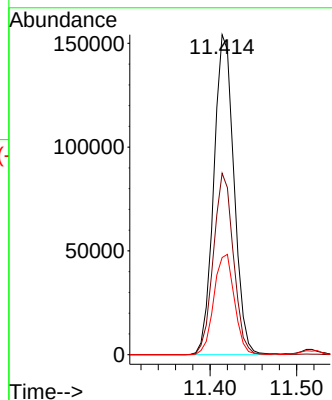
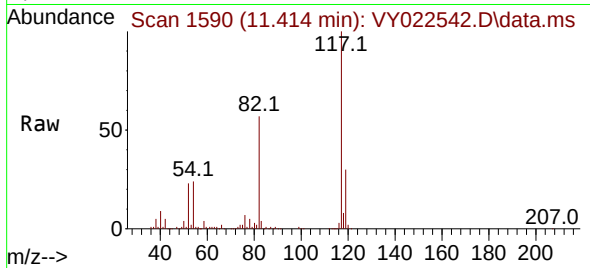




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

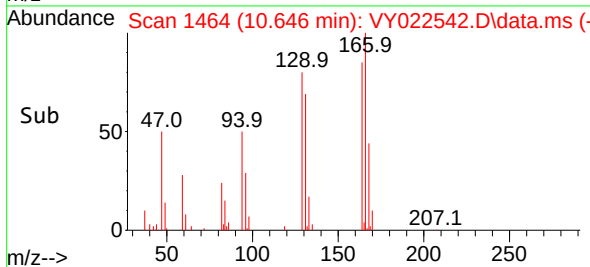
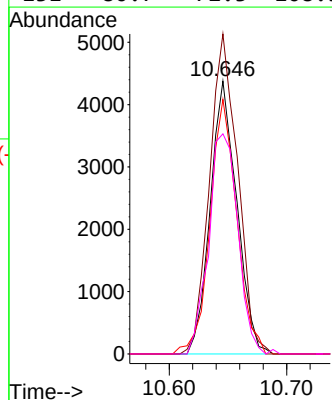
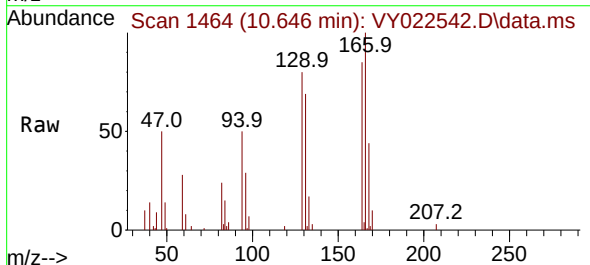
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

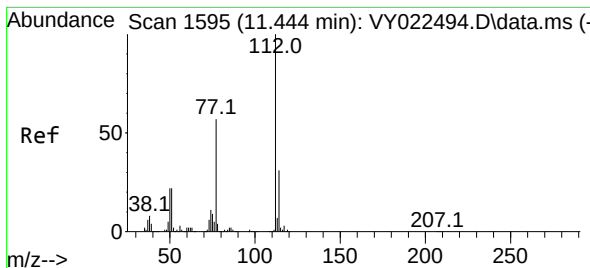
Tgt Ion:117 Resp: 249953
Ion Ratio Lower Upper
117 100
82 56.7 44.6 66.8
119 30.3 25.4 38.0



#64
Tetrachloroethene
Concen: 3.202 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion:164 Resp: 6884
Ion Ratio Lower Upper
164 100
166 117.3 104.0 156.0
129 93.3 74.5 111.7
131 80.7 72.3 108.5





#65

Chlorobenzene

Concen: 2.862 ug/l

RT: 11.438 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

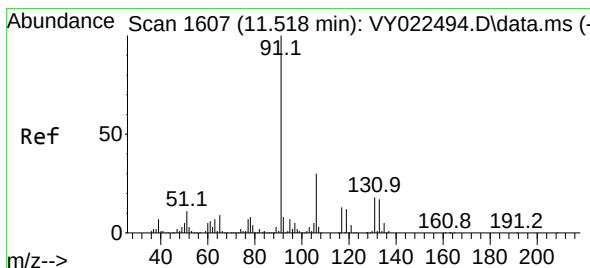
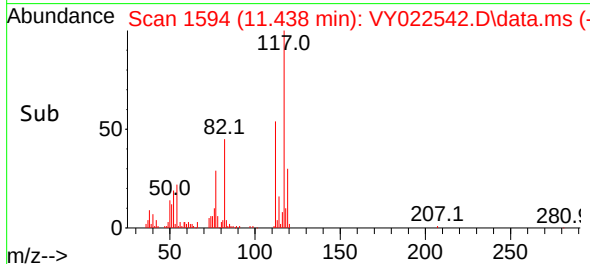
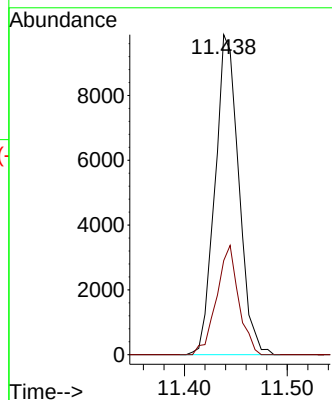
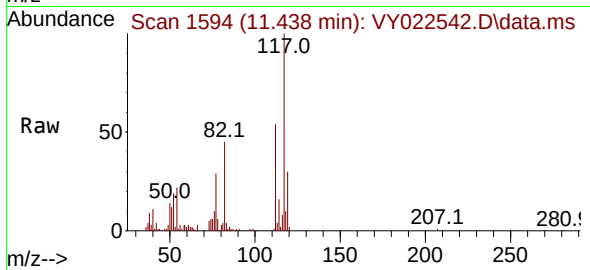
MDL-SOIL-03-QT2-2025

Tgt Ion:112 Resp: 15829

Ion Ratio Lower Upper

112 100

114 29.4 25.0 37.6



#66

1,1,1,2-Tetrachloroethane

Concen: 2.564 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

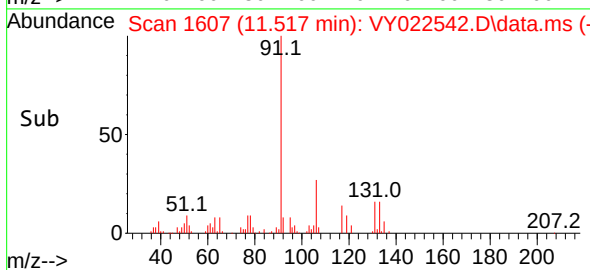
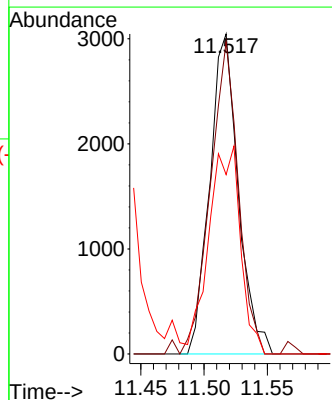
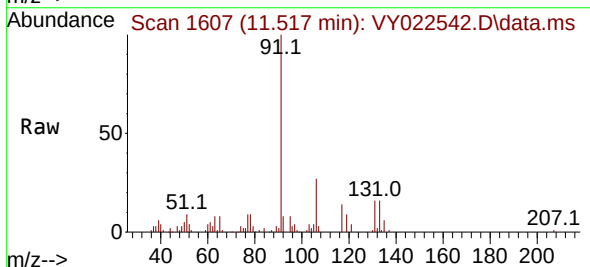
Tgt Ion:131 Resp: 4778

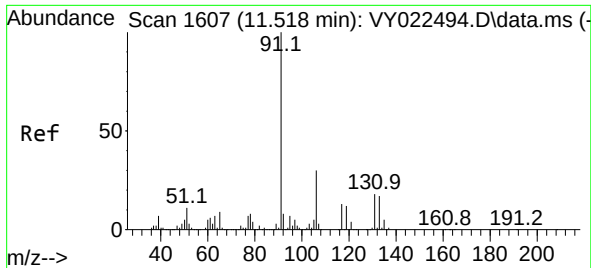
Ion Ratio Lower Upper

131 100

133 96.6 47.3 141.8

119 71.2 33.1 99.3





#67

Ethyl Benzene

Concen: 2.744 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

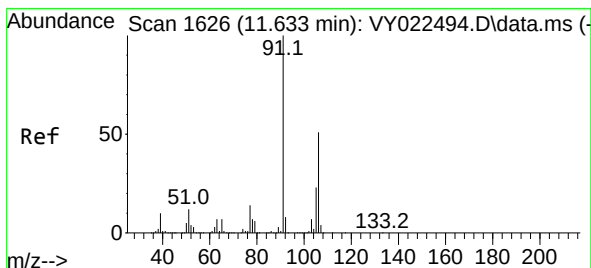
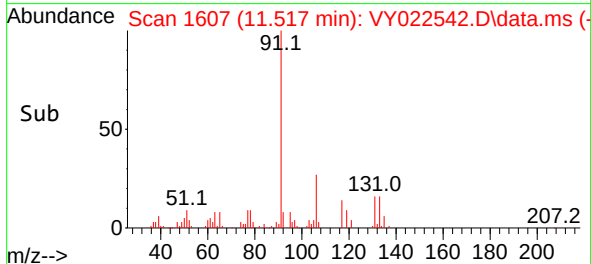
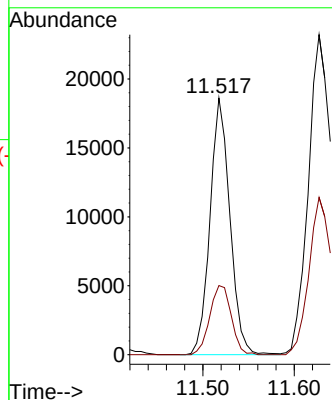
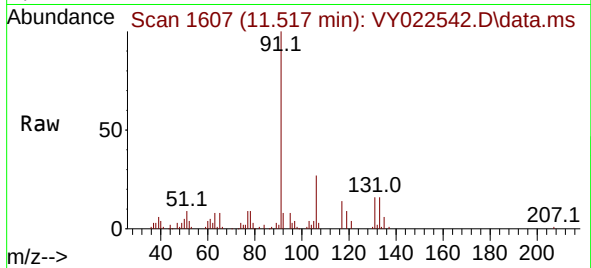
MDL-SOIL-03-QT2-2025

Tgt Ion: 91 Resp: 28147

Ion Ratio Lower Upper

91 100

106 27.0 24.2 36.4



#68

m/p-Xylenes

Concen: 5.082 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY022542.D

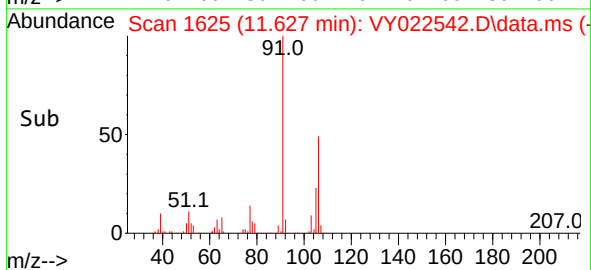
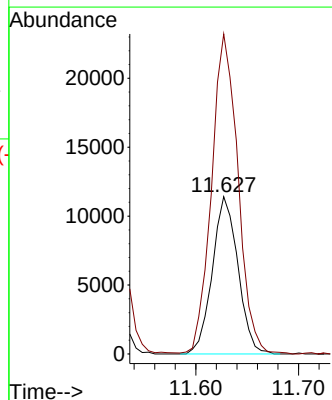
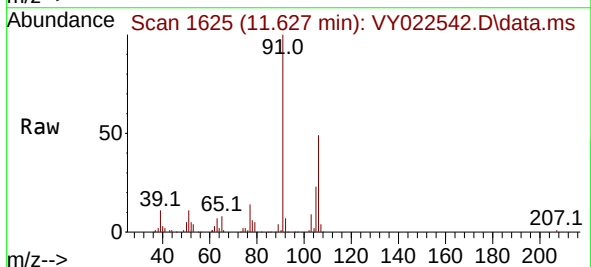
Acq: 04 Jun 2025 11:53

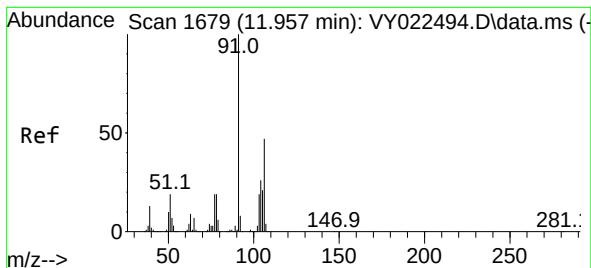
Tgt Ion:106 Resp: 19763

Ion Ratio Lower Upper

106 100

91 209.8 159.4 239.0





#69

o-Xylene

Concen: 2.694 ug/l

RT: 11.956 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

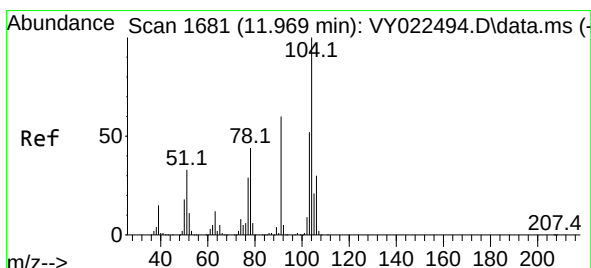
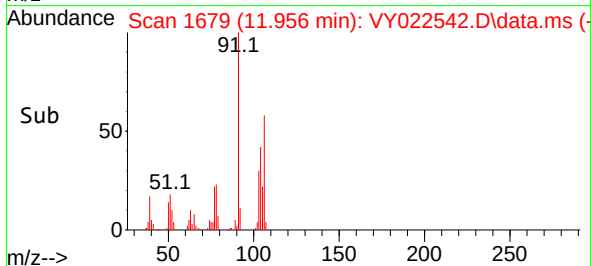
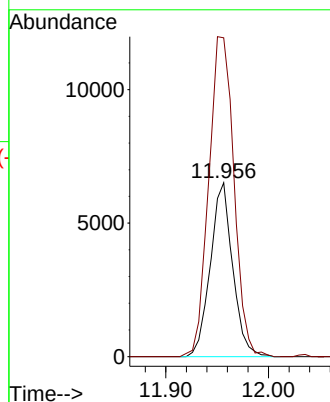
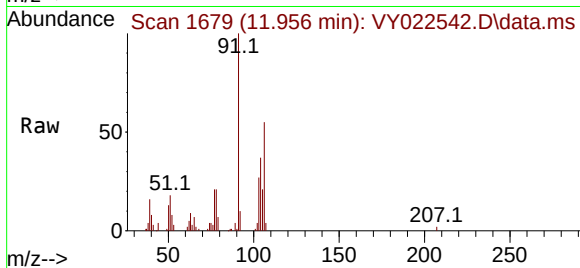
MDL-SOIL-03-QT2-2025

Tgt Ion:106 Resp: 9823

Ion Ratio Lower Upper

106 100

91 207.3 105.8 317.3



#70

Styrene

Concen: 2.557 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

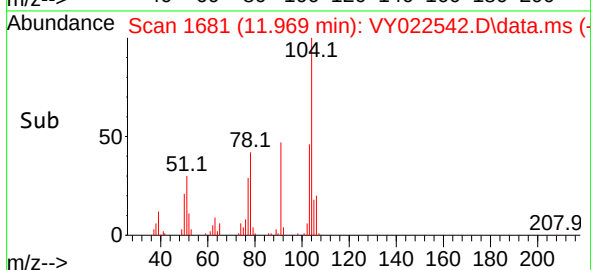
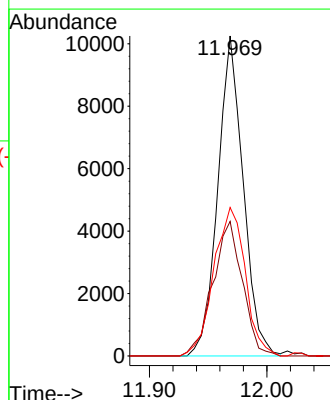
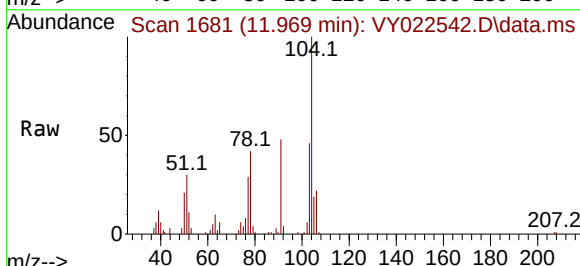
Tgt Ion:104 Resp: 15409

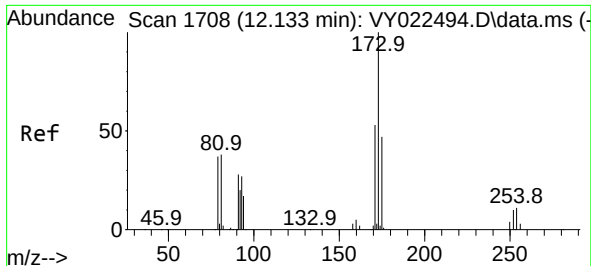
Ion Ratio Lower Upper

104 100

78 49.1 39.5 59.3

103 57.4 44.1 66.1

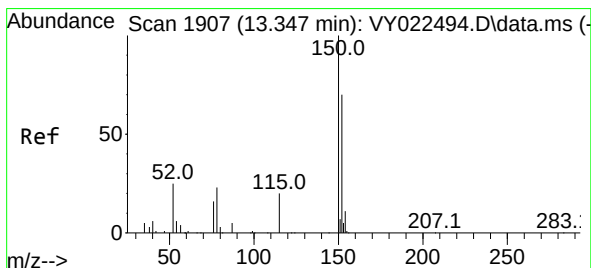
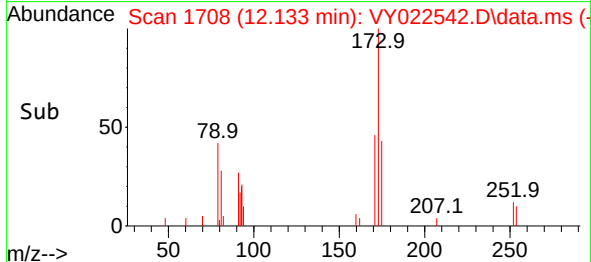
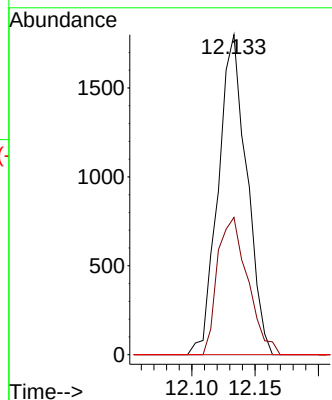
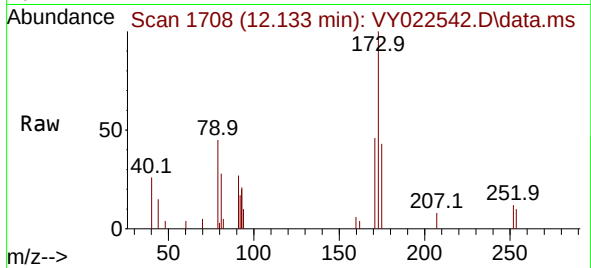




#71
Bromoform
Concen: 2.849 ug/l
RT: 12.133 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

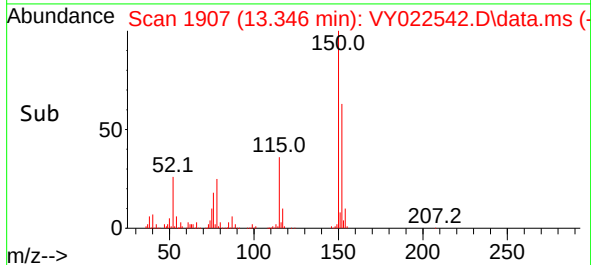
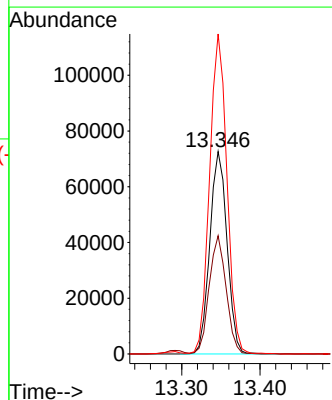
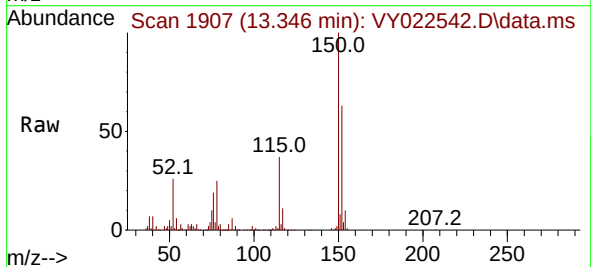
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

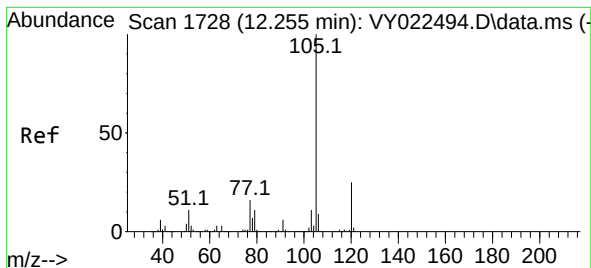
Tgt Ion:173 Resp: 2825
Ion Ratio Lower Upper
173 100
175 45.4 23.8 71.5
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion:152 Resp: 111063
Ion Ratio Lower Upper
152 100
115 57.4 28.9 86.7
150 158.4 0.0 349.6





#73

Isopropylbenzene

Concen: 2.839 ug/l

RT: 12.255 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

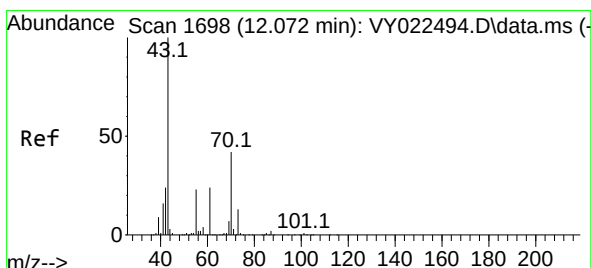
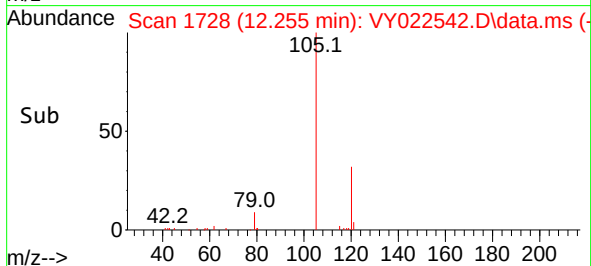
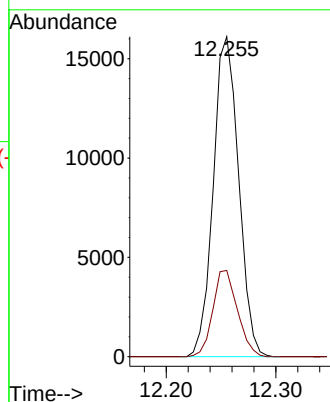
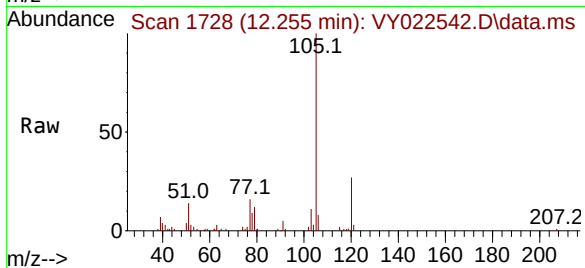
MDL-SOIL-03-QT2-2025

Tgt Ion:105 Resp: 25887

Ion Ratio Lower Upper

105 100

120 26.2 13.0 38.9



#74

N-ethyl acetate

Concen: 2.530 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

Tgt Ion: 43 Resp: 5821

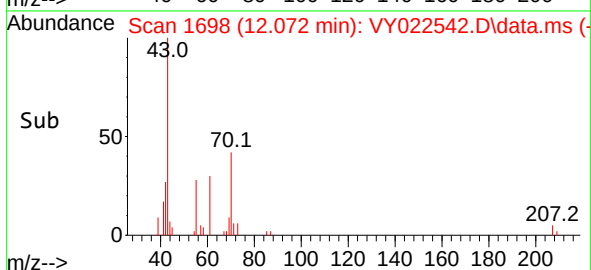
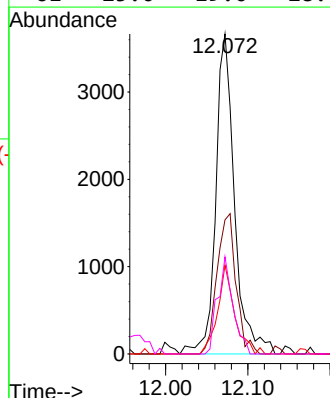
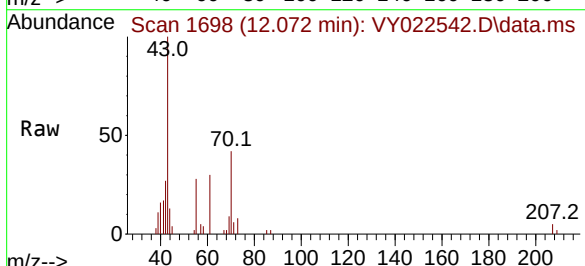
Ion Ratio Lower Upper

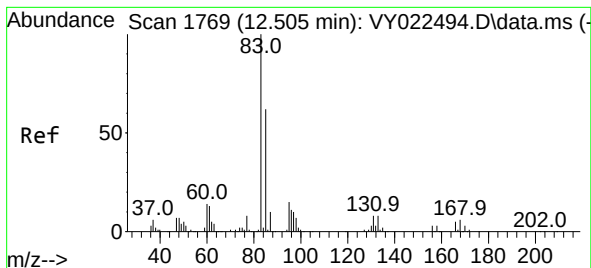
43 100

70 44.5 34.2 51.2

55 24.9 18.2 27.4

61 25.0 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 2.753 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

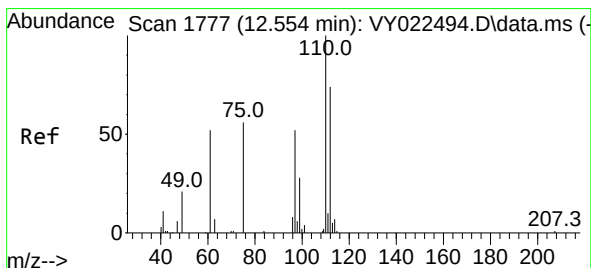
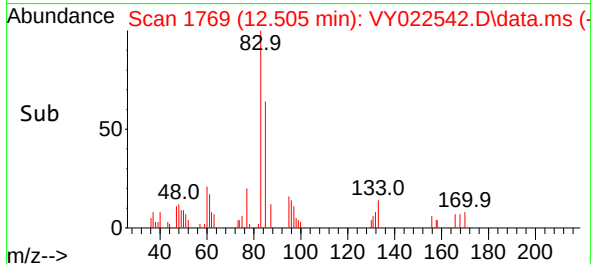
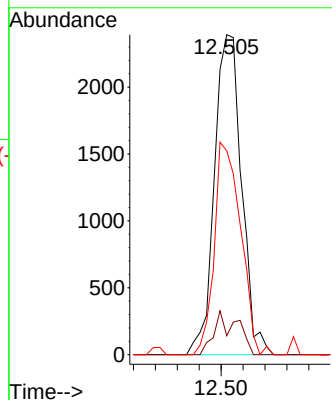
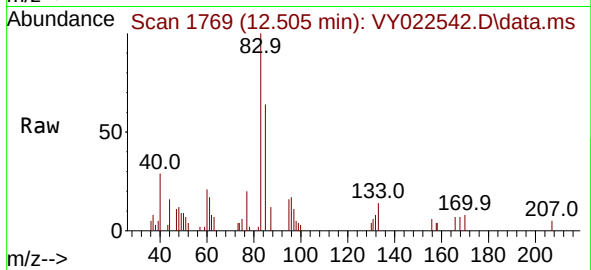
Tgt Ion: 83 Resp: 4120

Ion Ratio Lower Upper

83 100

131 11.6 4.9 14.7

85 64.2 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 4.689 ug/l

RT: 12.566 min Scan# 1779

Delta R.T. 0.012 min

Lab File: VY022542.D

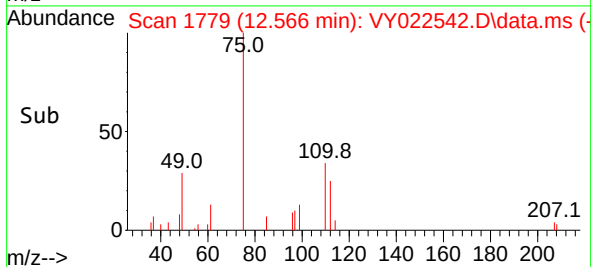
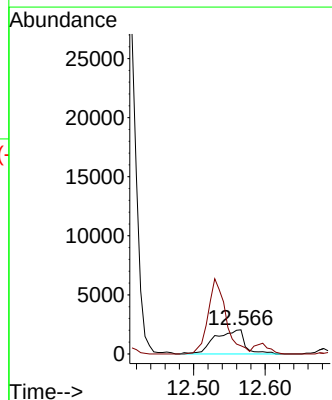
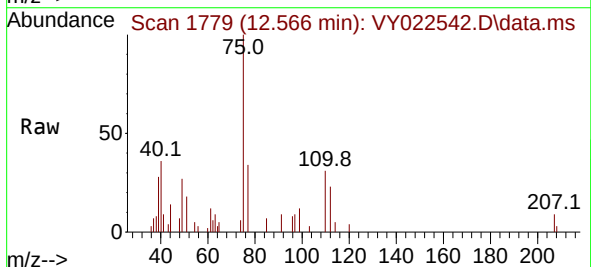
Acq: 04 Jun 2025 11:53

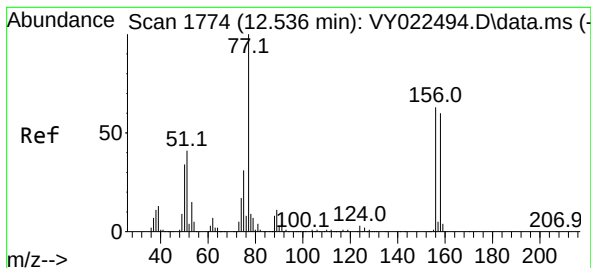
Tgt Ion: 75 Resp: 5958

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 2.856 ug/l

RT: 12.536 min Scan# 1774

Delta R.T. -0.000 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

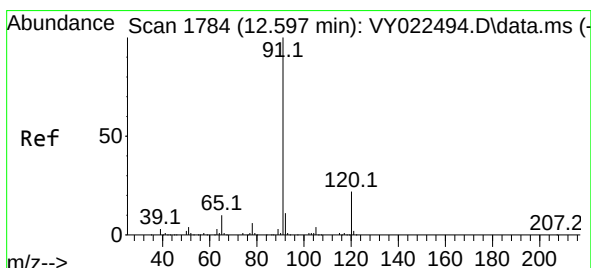
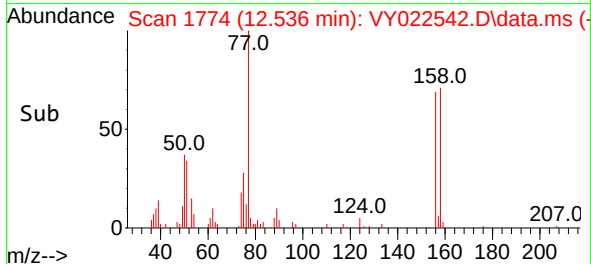
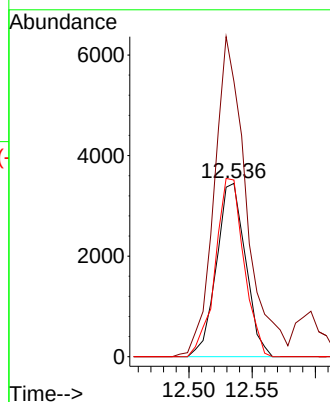
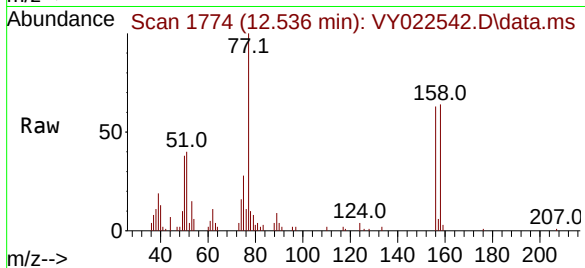
Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:	156	Resp:	5496
Ion Ratio	Lower	Upper	
156	100		
77	203.0	94.0	282.1
158	101.4	48.2	144.6



#78

n-propylbenzene

Concen: 2.888 ug/l

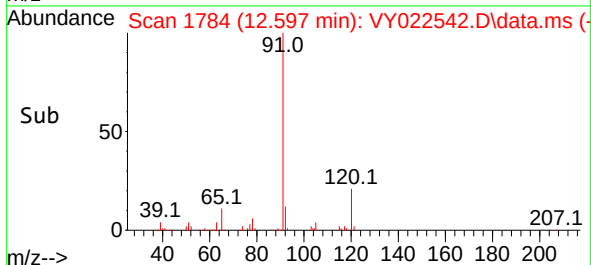
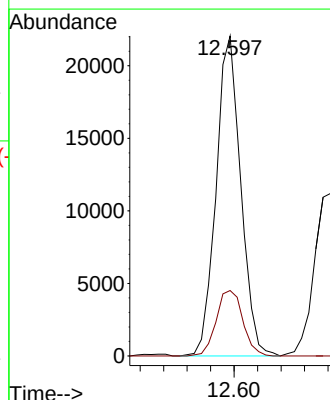
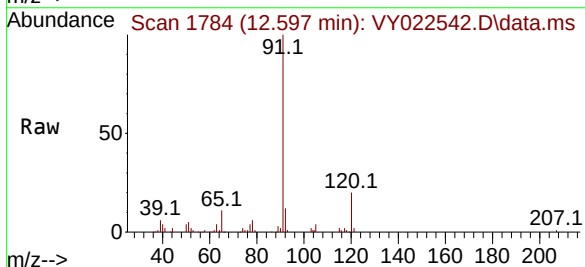
RT: 12.597 min Scan# 1784

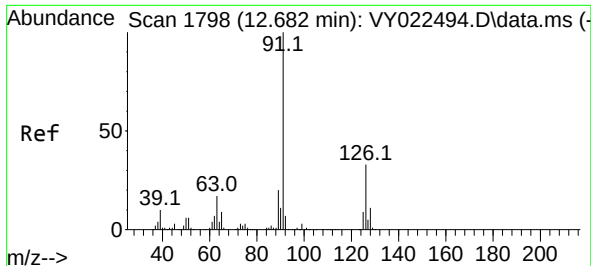
Delta R.T. -0.000 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

Tgt Ion:	91	Resp:	32160
Ion Ratio	Lower	Upper	
91	100		
120	22.0	10.8	32.4

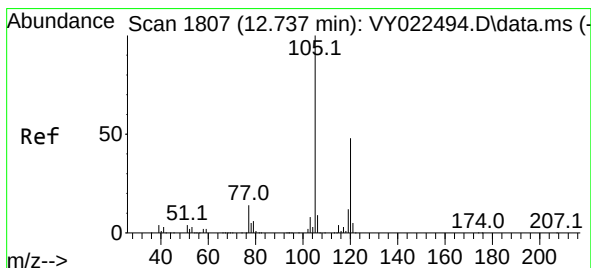
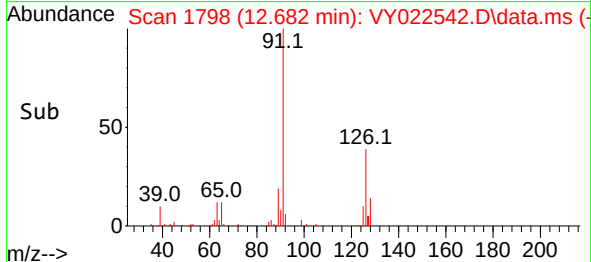
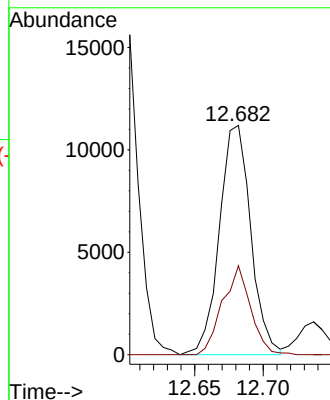
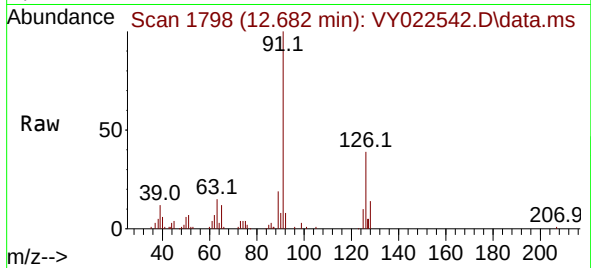




#79
2-Chlorotoluene
Concen: 3.022 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. -0.000 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

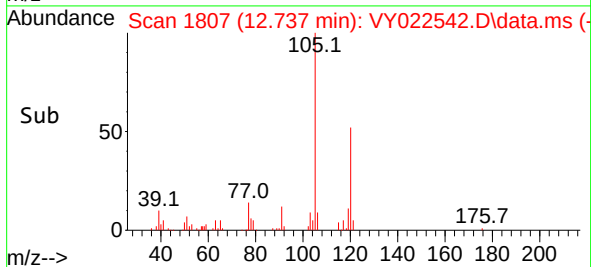
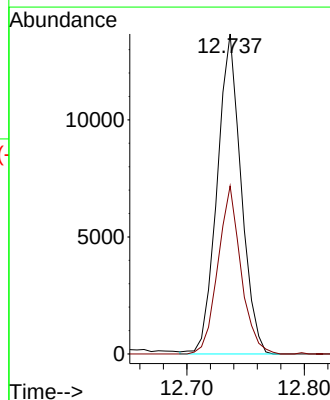
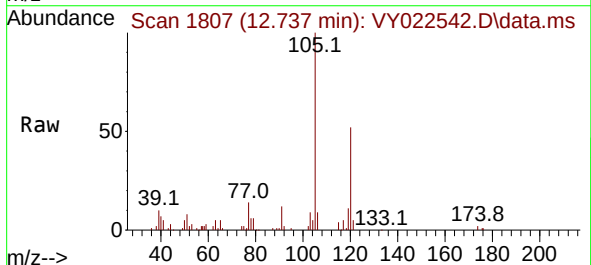
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

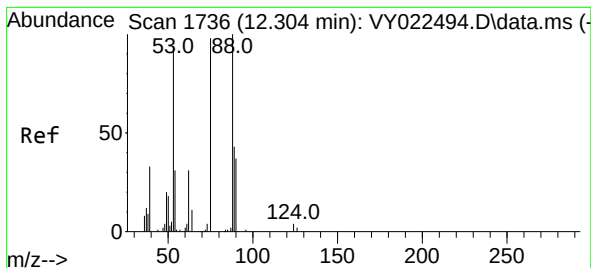
Tgt Ion: 91 Resp: 17839
Ion Ratio Lower Upper
91 100
126 34.8 17.0 51.0



#80
1,3,5-Trimethylbenzene
Concen: 2.709 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion: 105 Resp: 19394
Ion Ratio Lower Upper
105 100
120 50.3 24.1 72.4

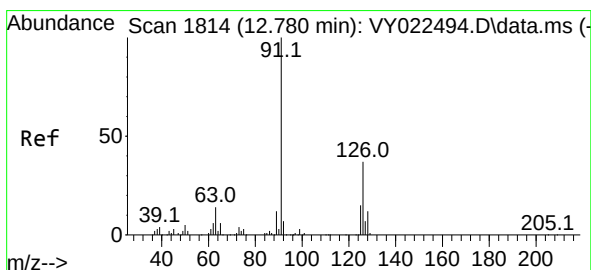
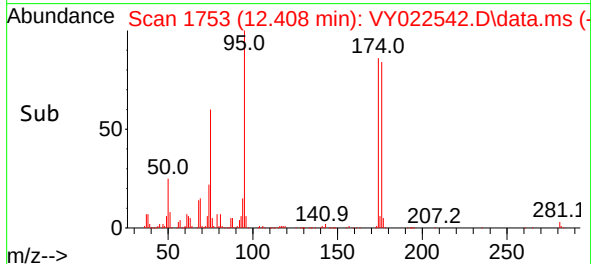
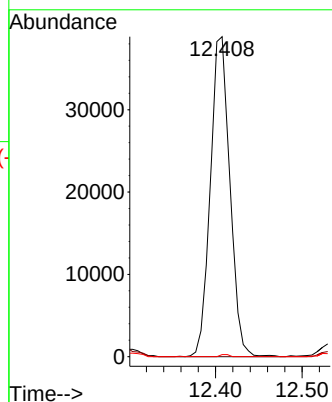
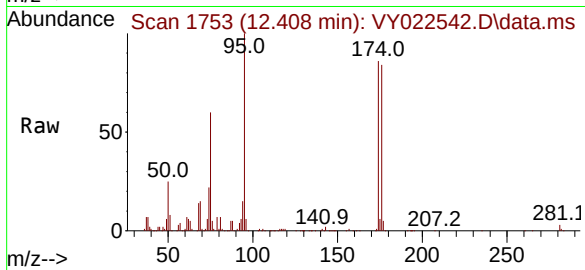




#81
trans-1,4-Dichloro-2-butene
Concen: 115.866 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.103 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

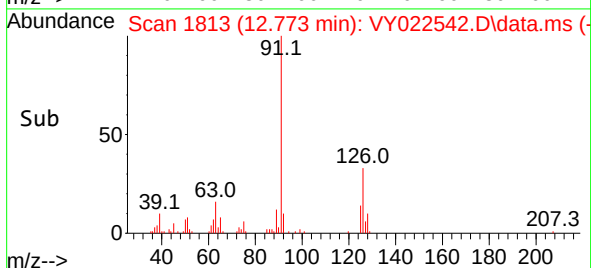
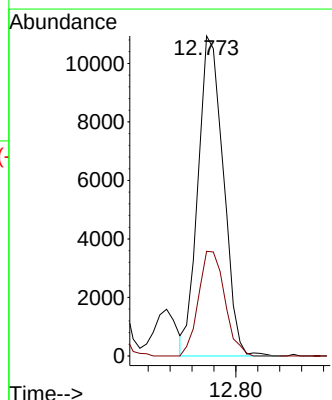
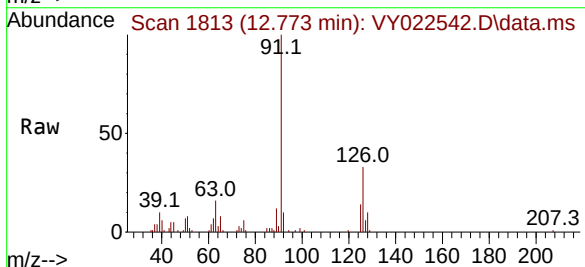
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

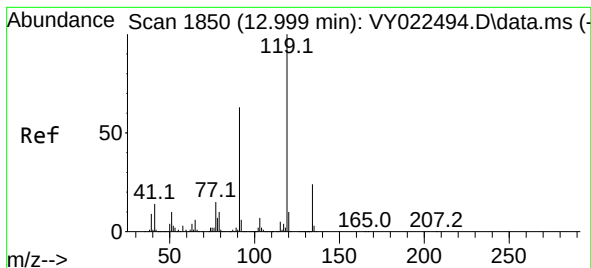
Tgt Ion: 75 Resp: 60962
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.3 35.7 53.5#



#82
4-Chlorotoluene
Concen: 2.884 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion: 91 Resp: 17559
Ion Ratio Lower Upper
91 100
126 33.9 17.0 50.9





#83

tert-Butylbenzene

Concen: 2.772 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. -0.000 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

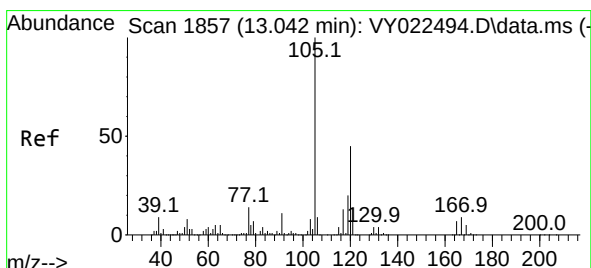
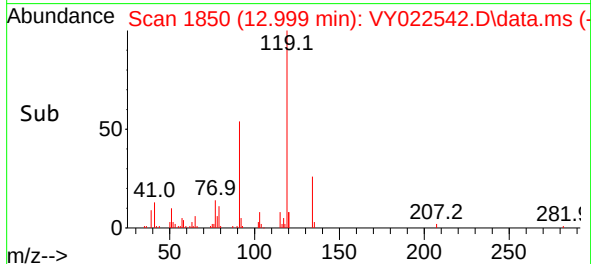
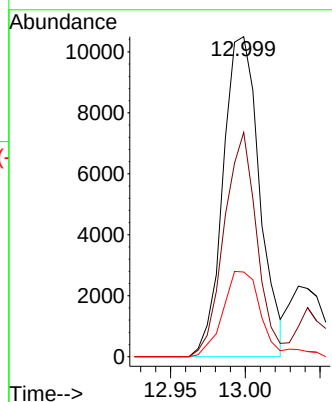
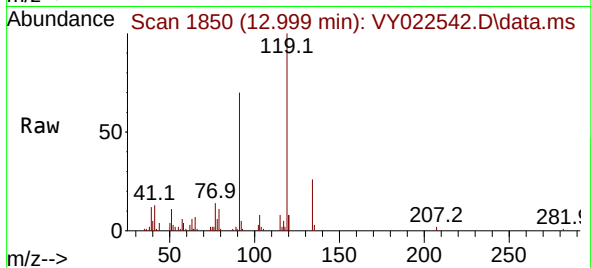
Tgt Ion:119 Resp: 17810

Ion Ratio Lower Upper

119 100

91 62.6 32.1 96.3

134 28.5 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 2.812 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022542.D

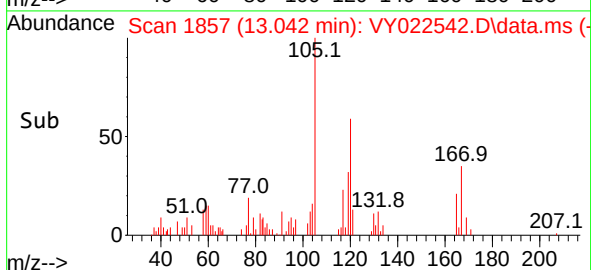
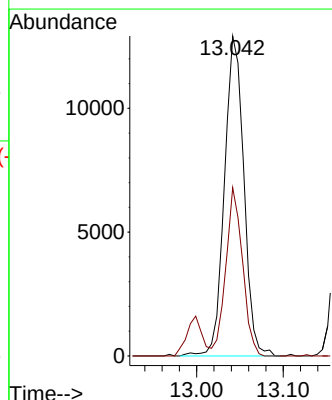
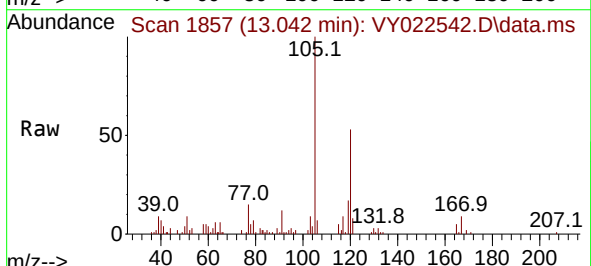
Acq: 04 Jun 2025 11:53

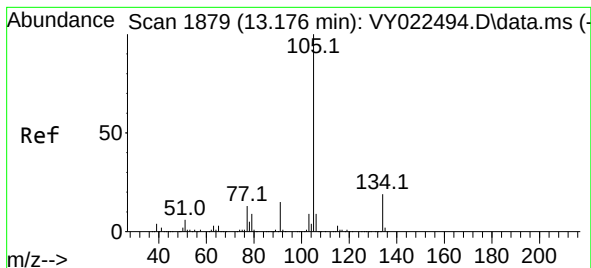
Tgt Ion:105 Resp: 20130

Ion Ratio Lower Upper

105 100

120 45.3 22.7 68.1





#85

sec-Butylbenzene

Concen: 2.834 ug/l

RT: 13.170 min Scan# 1879

Delta R.T. -0.006 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

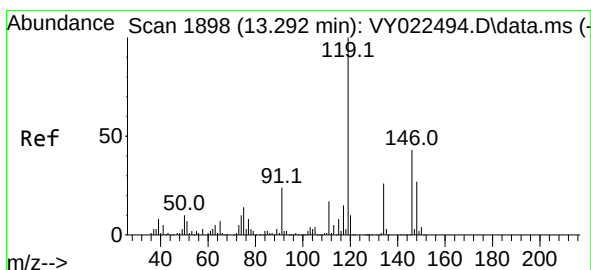
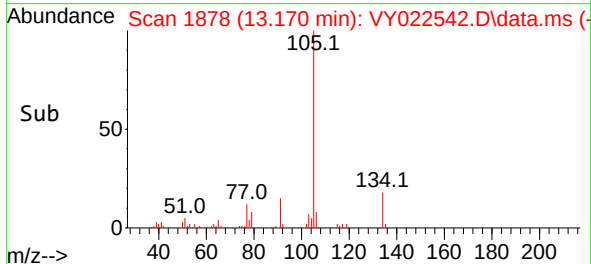
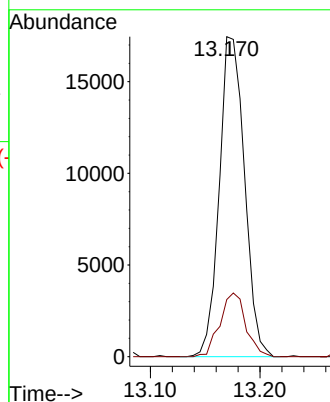
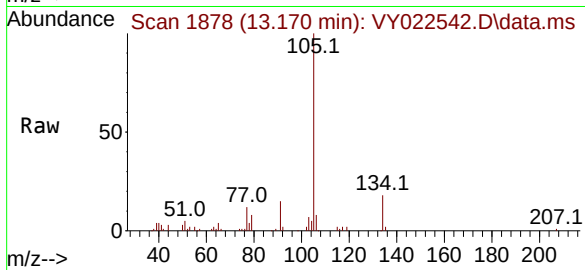
MDL-SOIL-03-QT2-2025

Tgt Ion:105 Resp: 27883

Ion Ratio Lower Upper

105 100

134 20.4 9.7 28.9



#86

p-Isopropyltoluene

Concen: 2.739 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

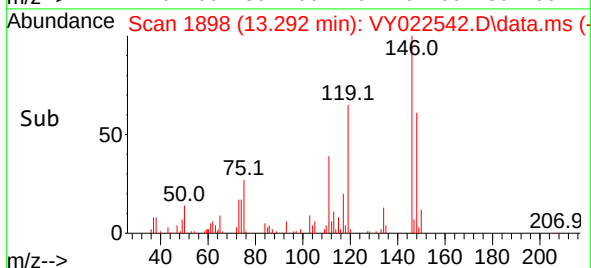
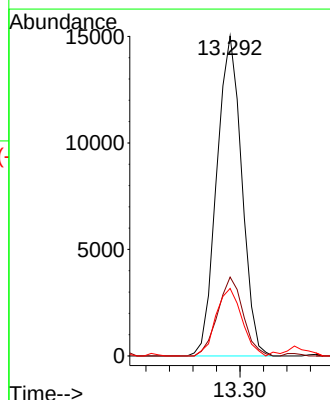
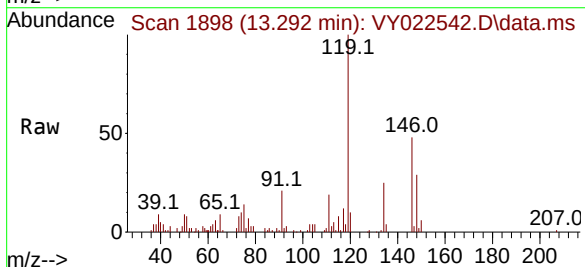
Tgt Ion:119 Resp: 22219

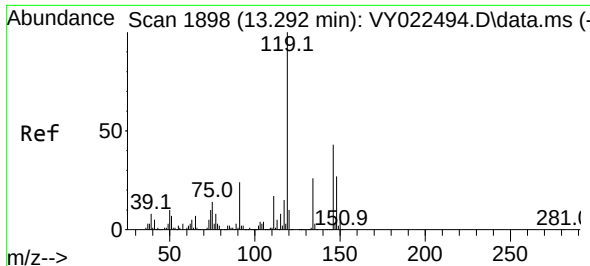
Ion Ratio Lower Upper

119 100

134 25.1 13.1 39.1

91 22.0 11.6 34.8

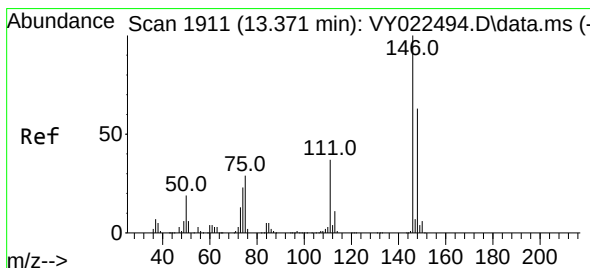
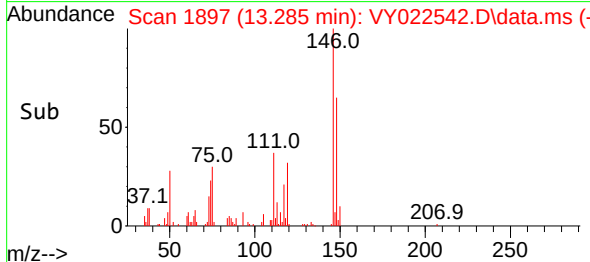
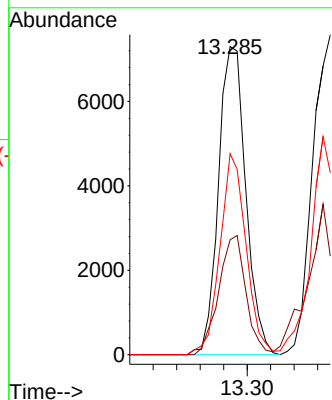
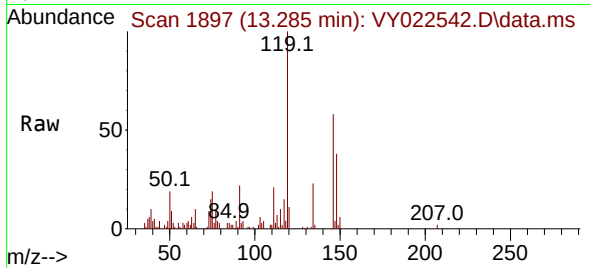




#87
 1,3-Dichlorobenzene
 Concen: 3.030 ug/l
 RT: 13.285 min Scan# 1897
 Delta R.T. -0.006 min
 Lab File: VY022542.D
 Acq: 04 Jun 2025 11:53

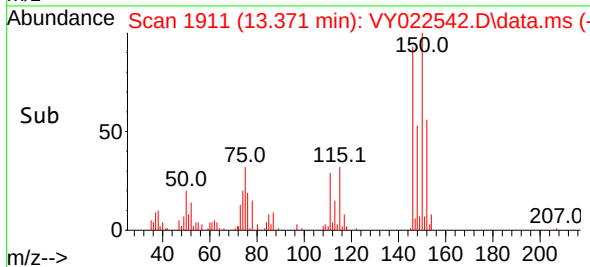
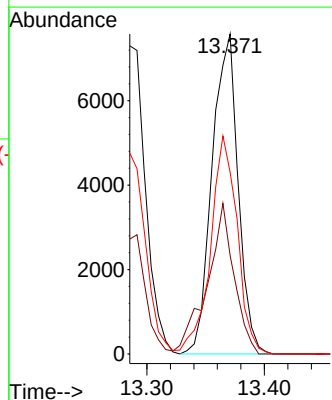
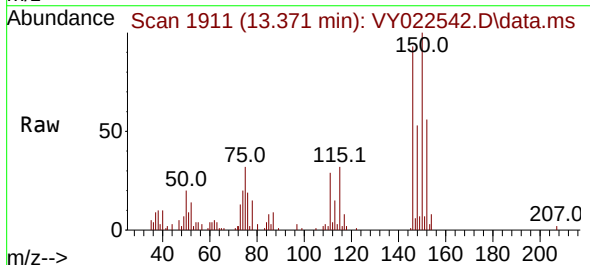
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

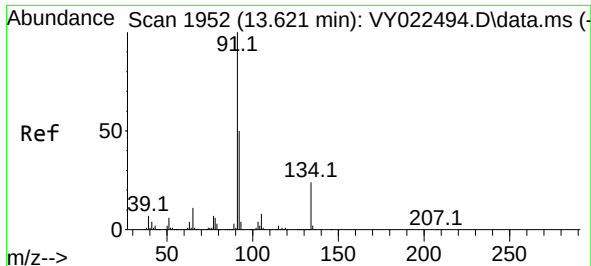
Tgt Ion:146 Resp: 11813
 Ion Ratio Lower Upper
 146 100
 111 38.5 20.1 60.2
 148 62.2 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 3.082 ug/l
 RT: 13.371 min Scan# 1911
 Delta R.T. -0.000 min
 Lab File: VY022542.D
 Acq: 04 Jun 2025 11:53

Tgt Ion:146 Resp: 11654
 Ion Ratio Lower Upper
 146 100
 111 48.7 19.4 58.2
 148 70.0 31.6 94.8





#89

n-Butylbenzene

Concen: 2.762 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

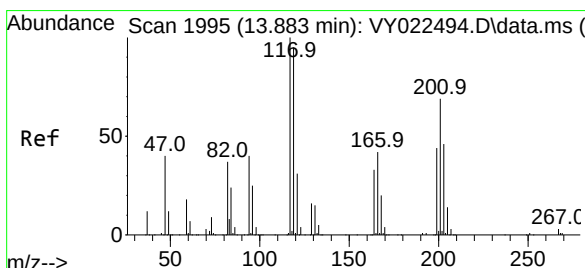
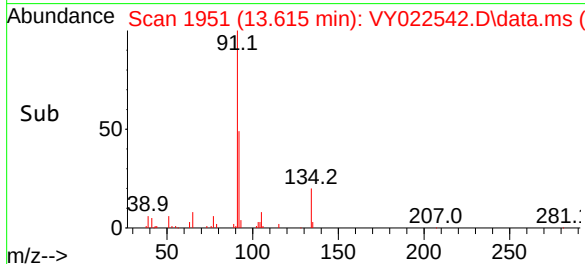
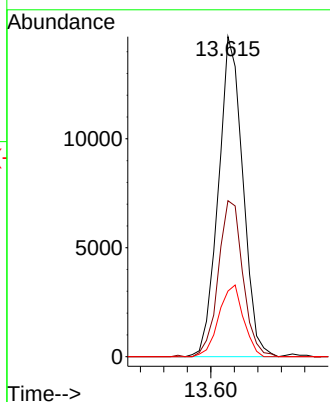
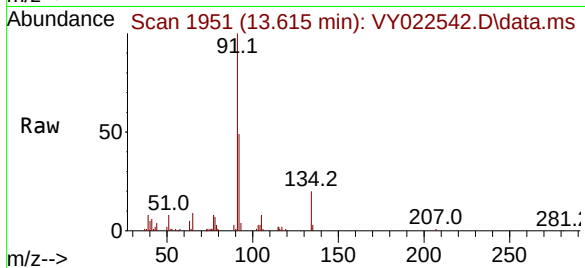
Tgt Ion: 91 Resp: 21253

Ion Ratio Lower Upper

91 100

92 49.0 25.9 77.8

134 22.5 12.0 36.1



#90

Hexachloroethane

Concen: 3.169 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.006 min

Lab File: VY022542.D

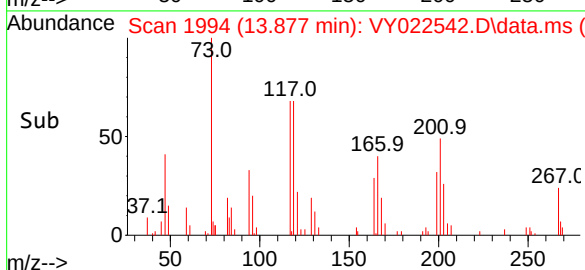
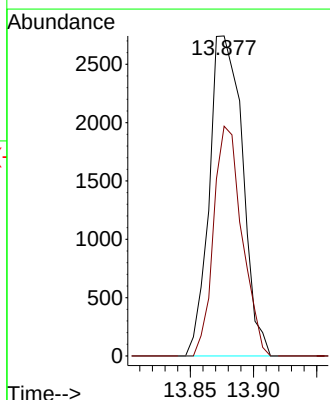
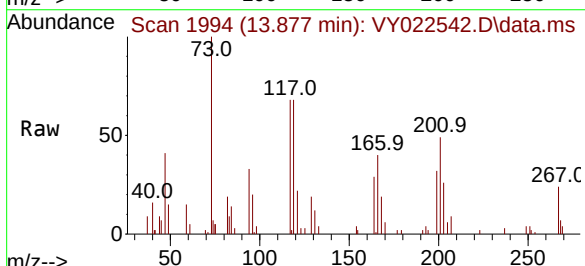
Acq: 04 Jun 2025 11:53

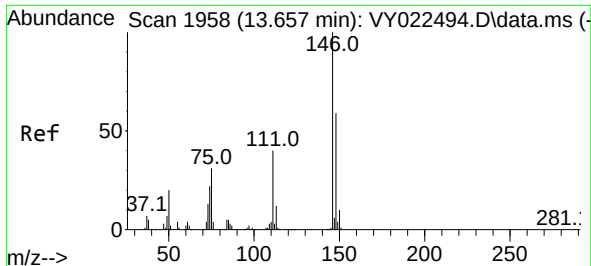
Tgt Ion: 117 Resp: 5004

Ion Ratio Lower Upper

117 100

201 61.5 34.0 102.0

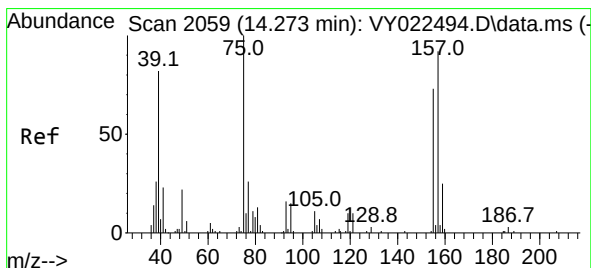
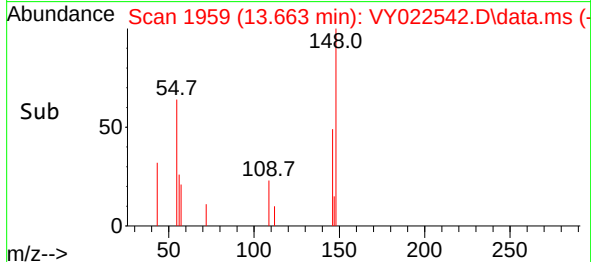
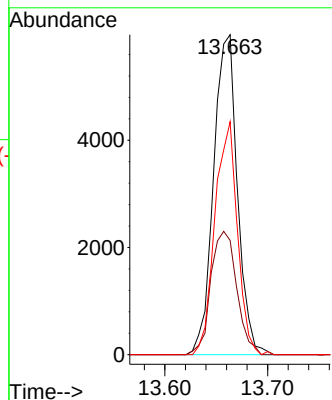
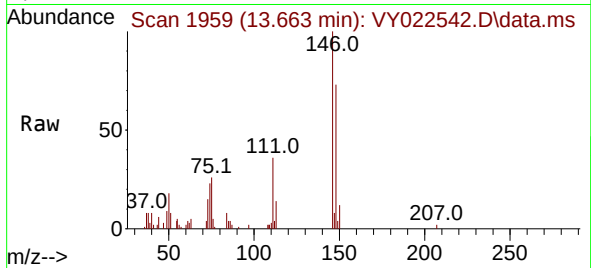




#91
1,2-Dichlorobenzene
Concen: 2.905 ug/l
RT: 13.663 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

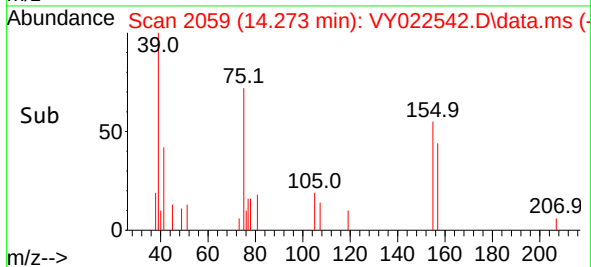
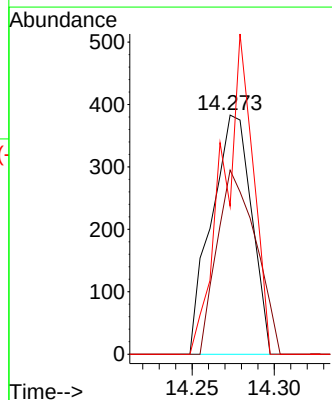
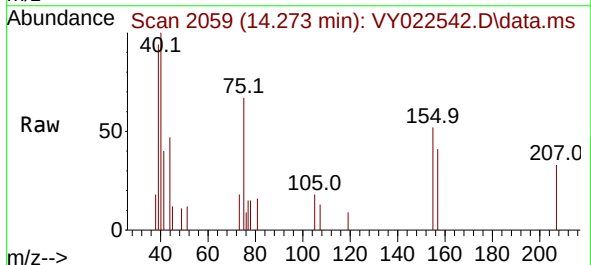
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

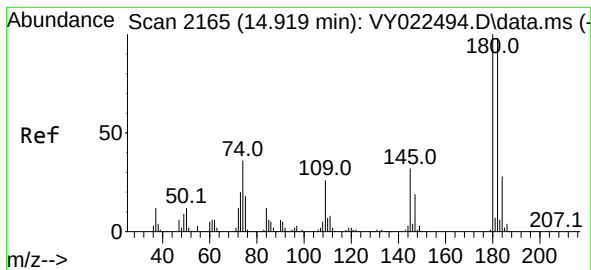
Tgt Ion:146 Resp: 9614
Ion Ratio Lower Upper
146 100
111 41.9 20.2 60.6
148 68.6 31.4 94.0



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.969 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion: 75 Resp: 647
Ion Ratio Lower Upper
75 100
155 74.8 39.9 119.6
157 102.2 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 3.197 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

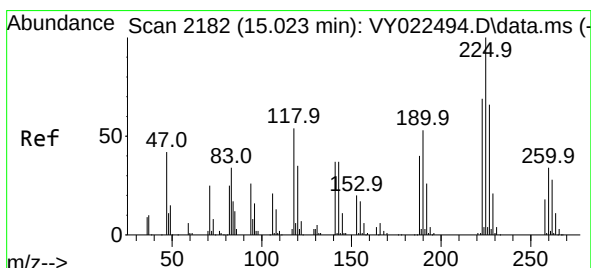
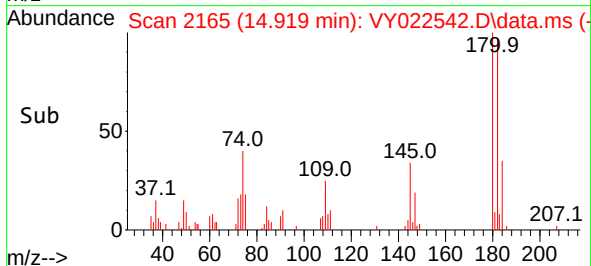
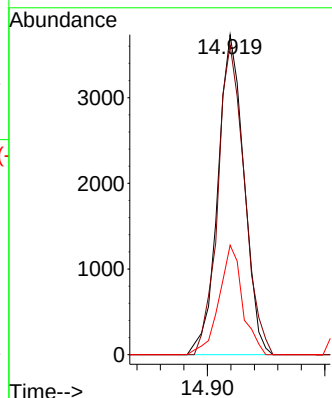
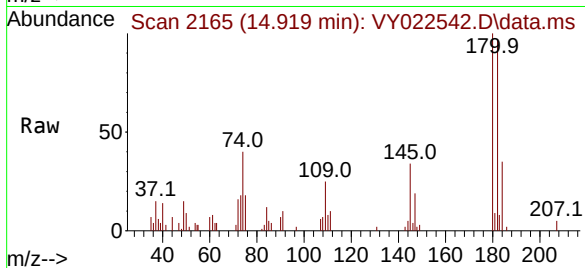
Tgt Ion:180 Resp: 5771

Ion Ratio Lower Upper

180 100

182 98.2 48.4 145.3

145 30.8 15.5 46.5



#94

Hexachlorobutadiene

Concen: 3.649 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. -0.006 min

Lab File: VY022542.D

Acq: 04 Jun 2025 11:53

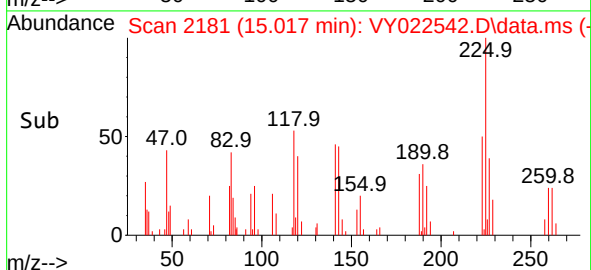
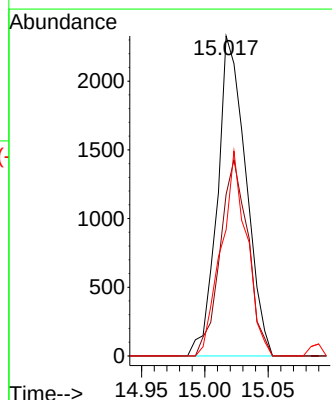
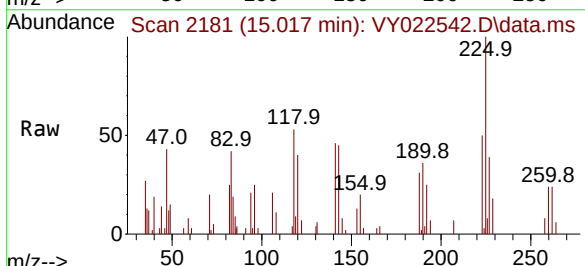
Tgt Ion:225 Resp: 3636

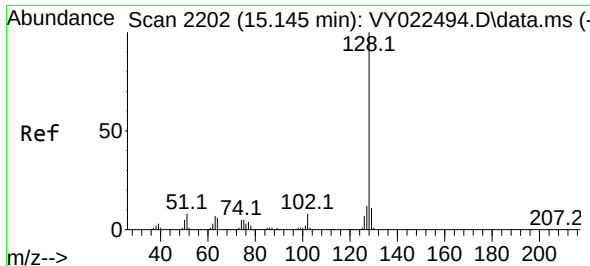
Ion Ratio Lower Upper

225 100

223 60.3 32.5 97.4

227 57.6 32.3 96.9

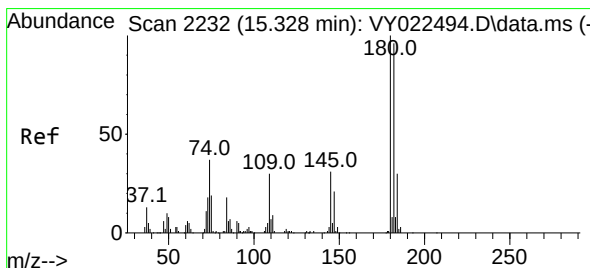
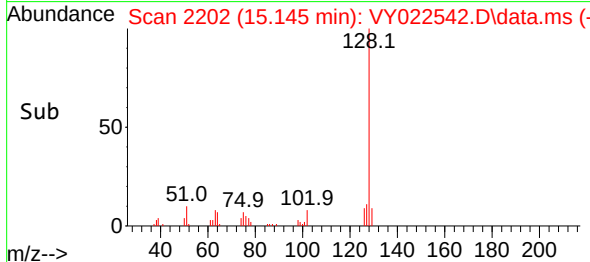
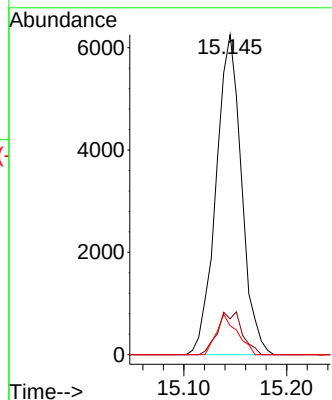
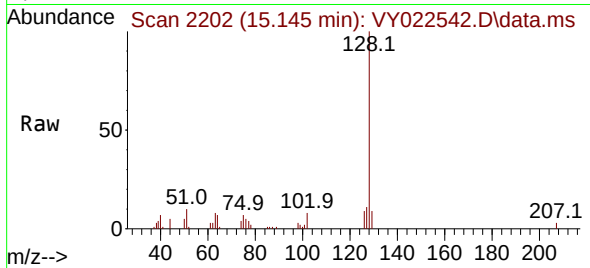




#95
Naphthalene
Concen: 3.101 ug/l
RT: 15.145 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

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

Tgt Ion:	128	Resp:	10743
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.2	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 2.854 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022542.D
Acq: 04 Jun 2025 11:53

Tgt Ion:	180	Resp:	4416
Ion	Ratio	Lower	Upper
180	100		
182	112.0	47.1	141.3
145	39.8	15.2	45.6

