

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052825\
 Data File : VY022445.D
 Acq On : 28 May 2025 12:03
 Operator : SY/MD
 Sample : Q2126-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: May 29 01:54:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	209734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	370671	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	305181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	133378	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	119230	53.971	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.940%	
35) Dibromofluoromethane	7.640	113	108599	50.028	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.060%	
50) Toluene-d8	10.109	98	445737	50.370	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.740%	
62) 4-Bromofluorobenzene	12.408	95	127222	47.528	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.060%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	5612	2.805	ug/l	99
3) Chloromethane	2.062	50	17444	3.544	ug/l	95
4) Vinyl Chloride	2.202	62	18253	3.053	ug/l	97
5) Bromomethane	2.592	94	19073	3.510	ug/l	96
6) Chloroethane	2.732	64	12494	3.198	ug/l	93
7) Trichlorofluoromethane	3.049	101	15440	3.060	ug/l	97
8) Diethyl Ether	3.464	74	3035	2.609	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.812	101	5618	2.538	ug/l	96
10) Methyl Iodide	4.013	142	5427	2.173	ug/l	96
11) Tert butyl alcohol	4.860	59	1624	10.429	ug/l #	70
12) 1,1-Dichloroethene	3.787	96	6093	2.773	ug/l	93
13) Acrolein	3.653	56	3104	13.304	ug/l #	83
14) Allyl chloride	4.385	41	9006	2.725	ug/l	94
15) Acrylonitrile	5.067	53	6374	13.594	ug/l	97
16) Acetone	3.879	43	5179	14.267	ug/l #	82
17) Carbon Disulfide	4.098	76	18834	2.686	ug/l	98
18) Methyl Acetate	4.391	43	3789	2.786	ug/l #	89
19) Methyl tert-butyl Ether	5.122	73	15513	2.659	ug/l #	85
20) Methylene Chloride	4.616	84	13025	5.081	ug/l #	97
21) trans-1,2-Dichloroethene	5.110	96	6295	2.624	ug/l	97
22) Diisopropyl ether	6.012	45	19254	2.639	ug/l	90
23) Vinyl Acetate	5.964	43	51775	12.360	ug/l	99
24) 1,1-Dichloroethane	5.915	63	11137	2.584	ug/l #	96
25) 2-Butanone	6.902	43	8262	13.666	ug/l #	77
26) 2,2-Dichloropropane	6.878	77	9766	2.502	ug/l	96
27) cis-1,2-Dichloroethene	6.890	96	7586	2.732	ug/l	96
28) Bromochloromethane	7.250	49	5216	2.898	ug/l	98
29) Tetrahydrofuran	7.268	42	5805	14.397	ug/l	96
30) Chloroform	7.421	83	11180	2.632	ug/l	98
31) Cyclohexane	7.707	56	15905	3.743	ug/l #	83
32) 1,1,1-Trichloroethane	7.616	97	10082	2.615	ug/l	95
36) 1,1-Dichloropropene	7.841	75	8554	2.483	ug/l	98
37) Ethyl Acetate	6.988	43	4119	2.814	ug/l	96
38) Carbon Tetrachloride	7.823	117	8807	2.454	ug/l	90
39) Methylcyclohexane	9.115	83	11384	2.486	ug/l	95
40) Benzene	8.079	78	25586	2.496	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.274	41	5215	5.869	ug/l #	50
42) 1,2-Dichloroethane	8.158	62	7455	2.754	ug/l	96
43) Isopropyl Acetate	8.207	43	8145	2.546	ug/l	99
44) Trichloroethene	8.866	130	6507	2.568	ug/l	82
45) 1,2-Dichloropropane	9.146	63	5730	2.379	ug/l	93
46) Dibromomethane	9.237	93	3409	2.534	ug/l	96
47) Bromodichloromethane	9.420	83	8076	2.334	ug/l #	77
48) Methyl methacrylate	9.225	41	3606	2.428	ug/l	98
49) 1,4-Dioxane	9.225	88	358	24.093	ug/l #	4
51) 4-Methyl-2-Pentanone	9.999	43	18051	11.437	ug/l	99
52) Toluene	10.170	92	14977	2.339	ug/l	96
53) t-1,3-Dichloropropene	10.396	75	7451	2.312	ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	8984	2.373	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	4246	2.496	ug/l	86
56) Ethyl methacrylate	10.445	69	5676	2.325	ug/l	96
57) 1,3-Dichloropropane	10.719	76	7548	2.518	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.713	63	14357	11.802	ug/l	98
59) 2-Hexanone	10.762	43	11681	11.293	ug/l	98
60) Dibromochloromethane	10.908	129	5161	2.375	ug/l	98
61) 1,2-Dibromoethane	11.011	107	3932	2.527	ug/l	99
64) Tetrachloroethene	10.646	164	6418	2.469	ug/l	93
65) Chlorobenzene	11.444	112	16217	2.492	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	5361	2.432	ug/l	98
67) Ethyl Benzene	11.524	91	27230	2.254	ug/l	94
68) m/p-Xylenes	11.633	106	21969	4.796	ug/l	94
69) o-Xylene	11.950	106	10348	2.403	ug/l	91
70) Styrene	11.969	104	15910	2.219	ug/l	97
71) Bromoform	12.127	173	2831	2.451	ug/l #	97
73) Isopropylbenzene	12.255	105	24615	2.345	ug/l	99
74) N-amyl acetate	12.072	43	5930	2.309	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.505	83	4437	2.683	ug/l	94
76) 1,2,3-Trichloropropane	12.560	75	6397	4.788	ug/l #	100
77) Bromobenzene	12.530	156	5784	2.560	ug/l	90
78) n-propylbenzene	12.597	91	31274	2.483	ug/l	97
79) 2-Chlorotoluene	12.682	91	17241	2.528	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	19956	2.433	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.408	75	74155	125.523	ug/l #	12
82) 4-Chlorotoluene	12.779	91	17861	2.543	ug/l	99
83) tert-Butylbenzene	12.999	119	18109	2.444	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	19373	2.347	ug/l	98
85) sec-Butylbenzene	13.176	105	25758	2.344	ug/l	98
86) p-Isopropyltoluene	13.292	119	21659	2.360	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	11079	2.437	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	11136	2.562	ug/l	83
89) n-Butylbenzene	13.615	91	20720	2.408	ug/l	97
90) Hexachloroethane	13.877	117	4500	2.464	ug/l	92
91) 1,2-Dichlorobenzene	13.657	146	9665	2.546	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.279	75	660	2.582	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	5354	2.544	ug/l	99
94) Hexachlorobutadiene	15.029	225	3037	2.750	ug/l	96
95) Naphthalene	15.145	128	9679	2.488	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	4609	2.670	ug/l	92

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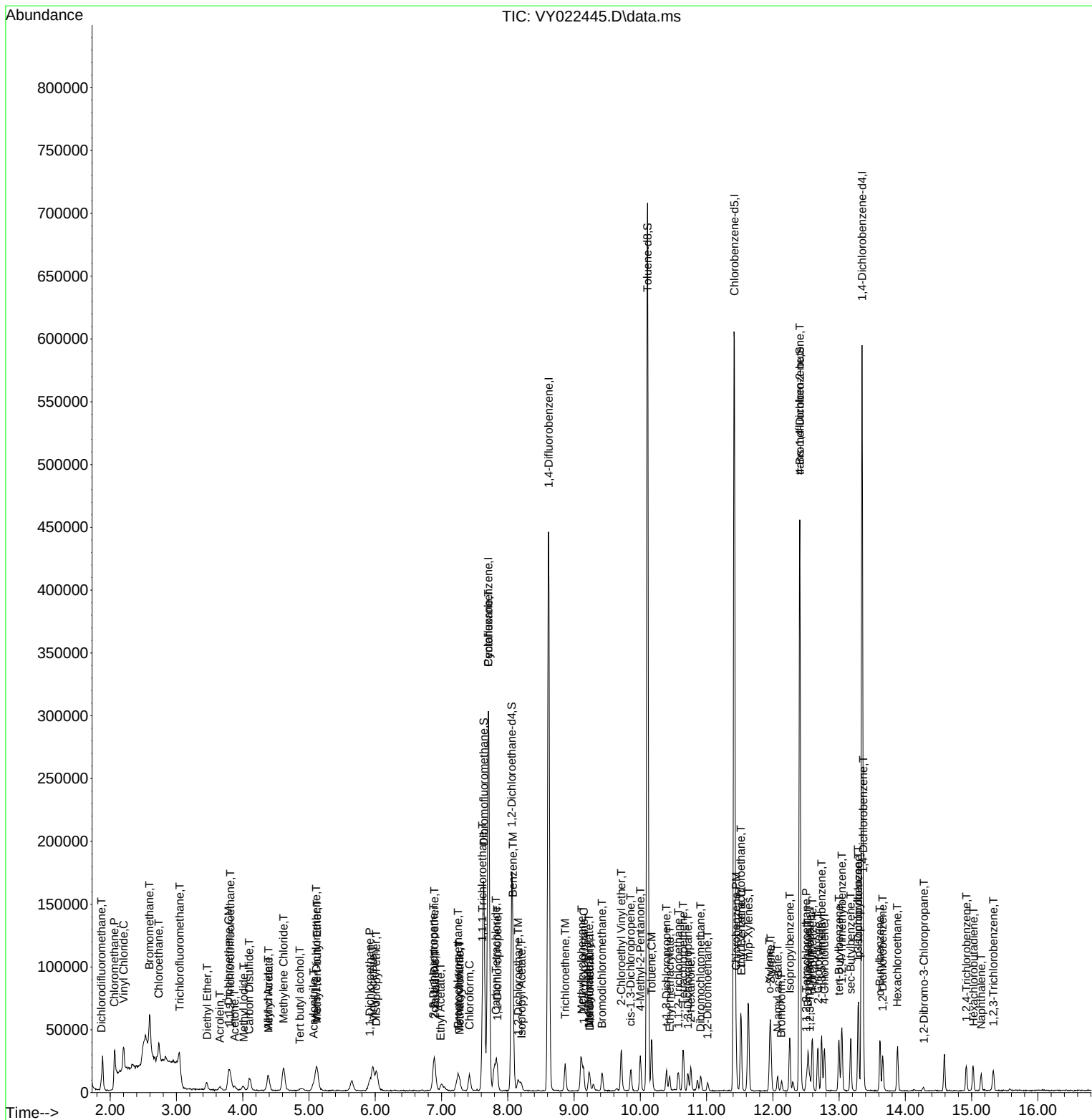
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

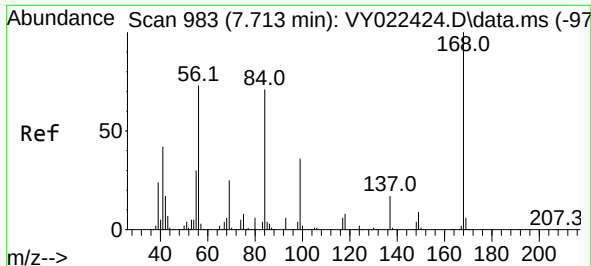
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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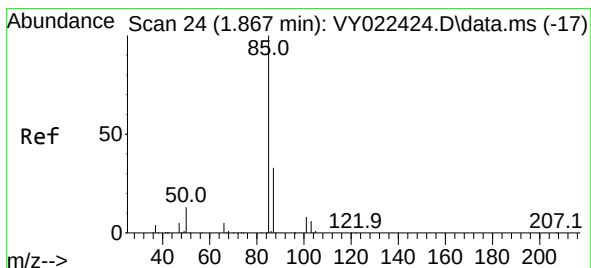
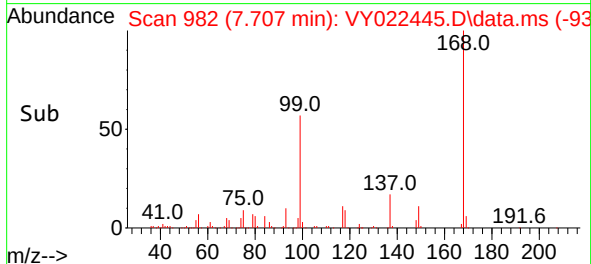
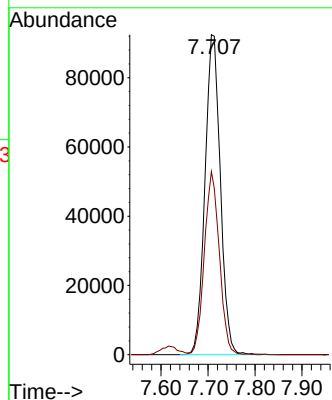
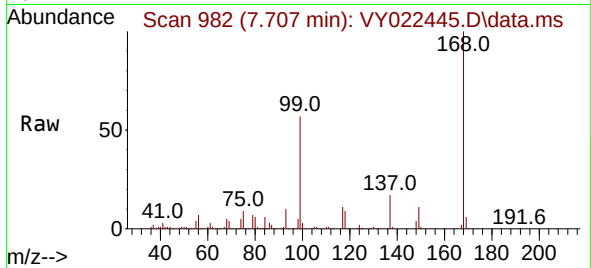




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022445.D
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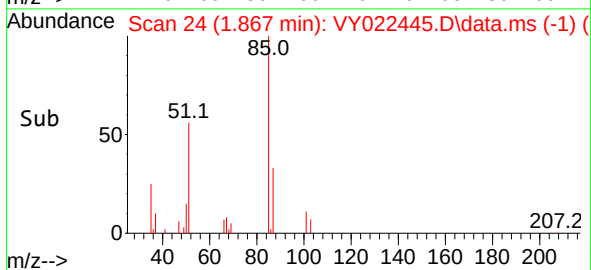
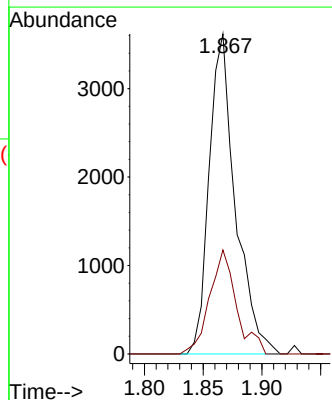
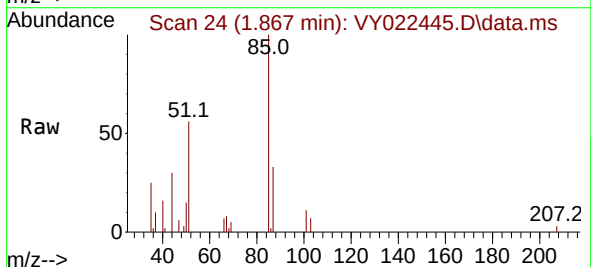
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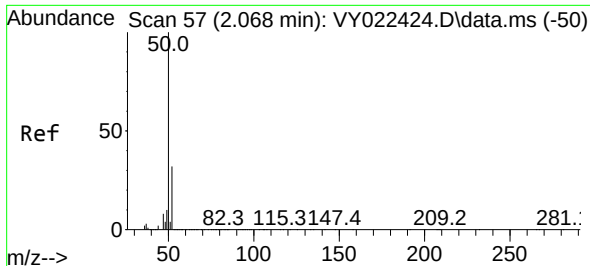
Tgt Ion:168 Resp: 209734
Ion Ratio Lower Upper
168 100
99 57.2 44.7 67.1



#2
Dichlorodifluoromethane
Concen: 2.805 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion: 85 Resp: 5612
Ion Ratio Lower Upper
85 100
87 32.5 16.4 49.2

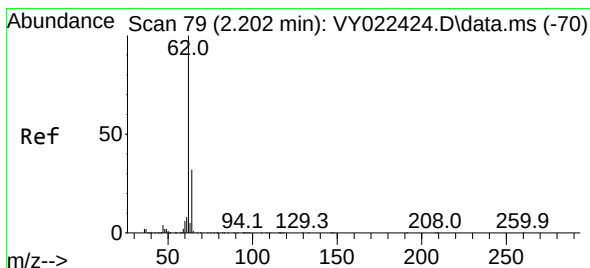
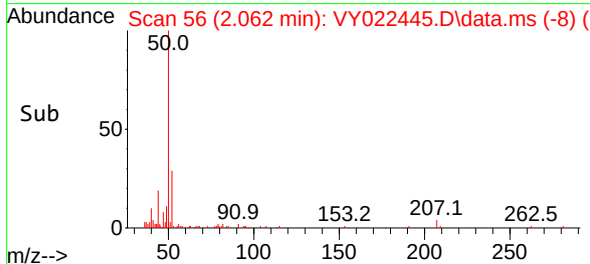
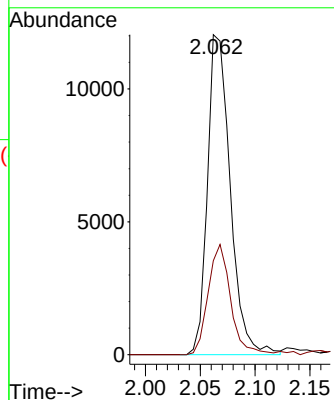
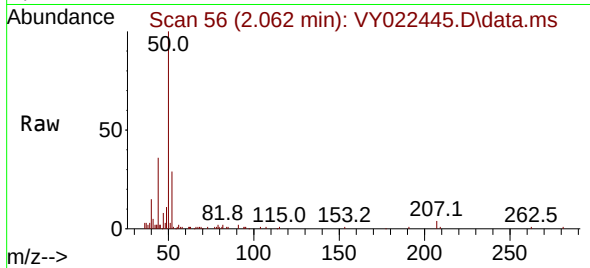




#3
Chloromethane
Concen: 3.544 ug/l
RT: 2.062 min Scan# 50
Delta R.T. -0.006 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

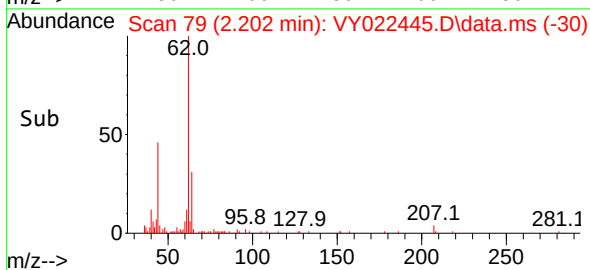
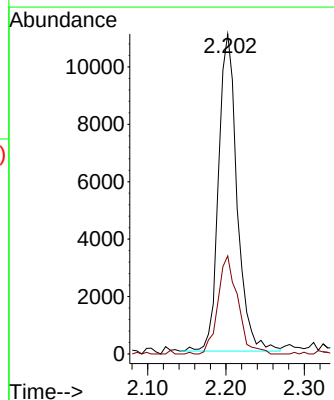
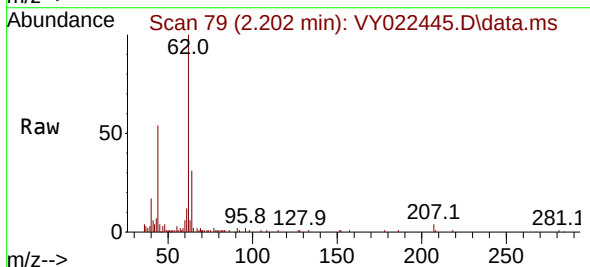
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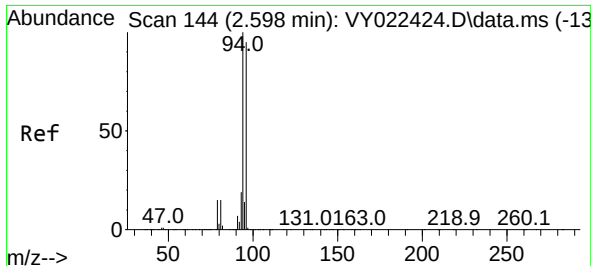
Tgt Ion: 50 Resp: 17444
Ion Ratio Lower Upper
50 100
52 29.3 25.5 38.3



#4
Vinyl Chloride
Concen: 3.053 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion: 62 Resp: 18253
Ion Ratio Lower Upper
62 100
64 30.9 26.0 39.0

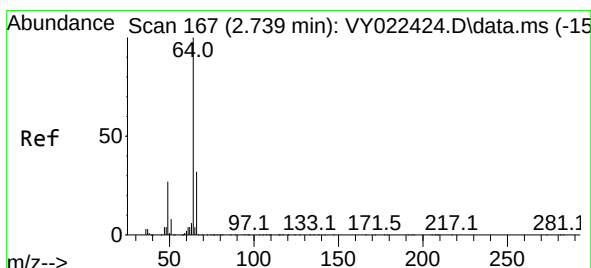
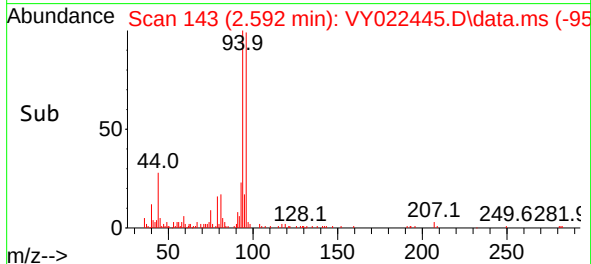
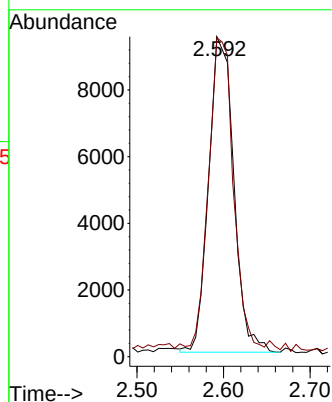
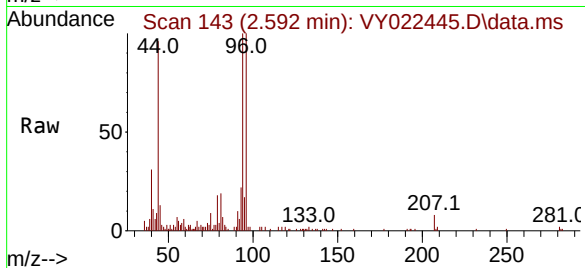




#5
Bromomethane
Concen: 3.510 ug/l
RT: 2.592 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

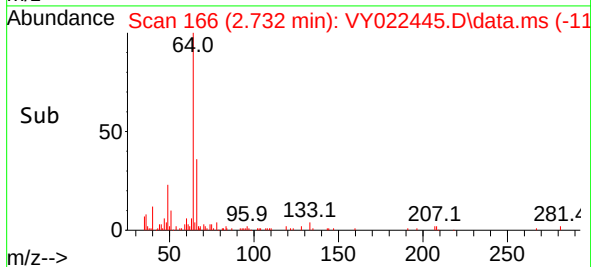
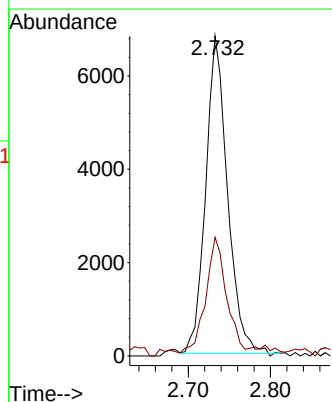
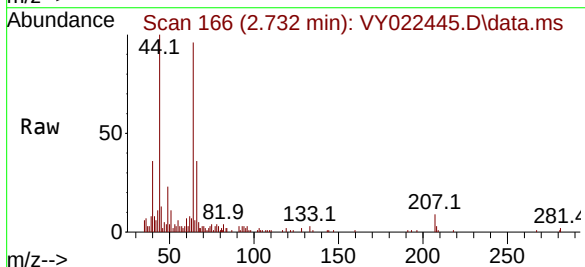
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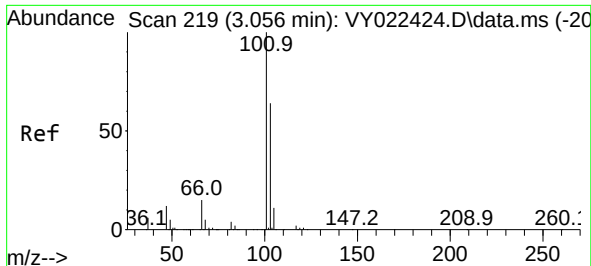
Tgt Ion: 94 Resp: 19073
Ion Ratio Lower Upper
94 100
96 98.8 76.0 114.0



#6
Chloroethane
Concen: 3.198 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion: 64 Resp: 12494
Ion Ratio Lower Upper
64 100
66 36.4 25.9 38.9

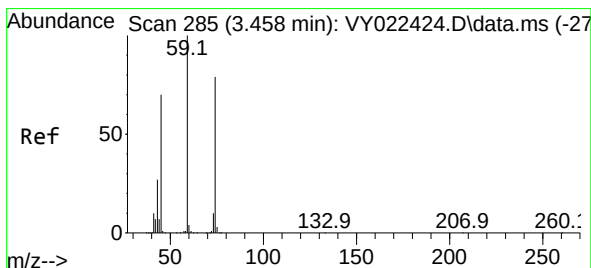
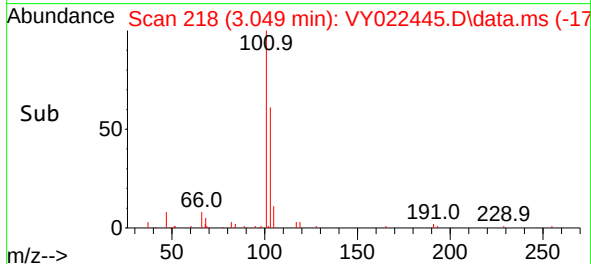
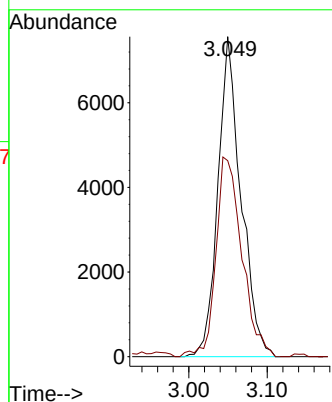
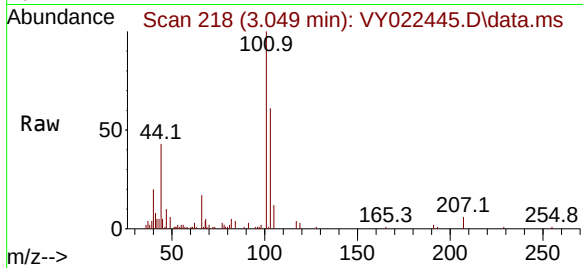




#7
 Trichlorofluoromethane
 Concen: 3.060 ug/l
 RT: 3.049 min Scan# 219
 Delta R.T. -0.006 min
 Lab File: VY022445.D
 Acq: 28 May 2025 12:03

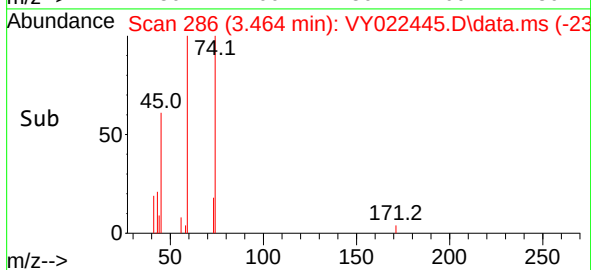
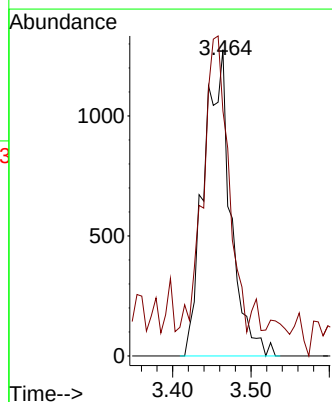
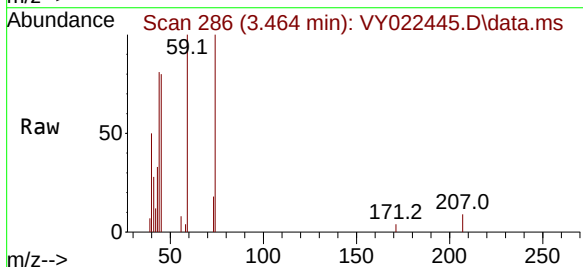
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

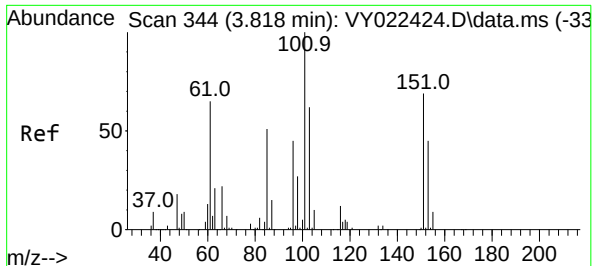
Tgt Ion:101 Resp: 15440
 Ion Ratio Lower Upper
 101 100
 103 61.2 50.9 76.3



#8
 Diethyl Ether
 Concen: 2.609 ug/l
 RT: 3.464 min Scan# 286
 Delta R.T. 0.006 min
 Lab File: VY022445.D
 Acq: 28 May 2025 12:03

Tgt Ion: 74 Resp: 3035
 Ion Ratio Lower Upper
 74 100
 45 97.3 44.9 134.5

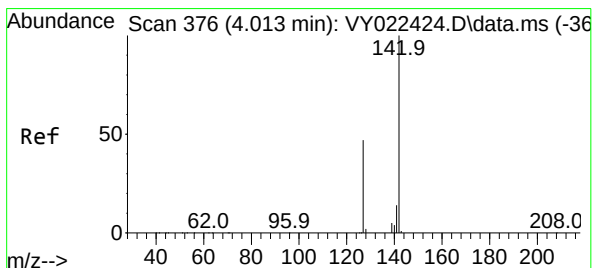
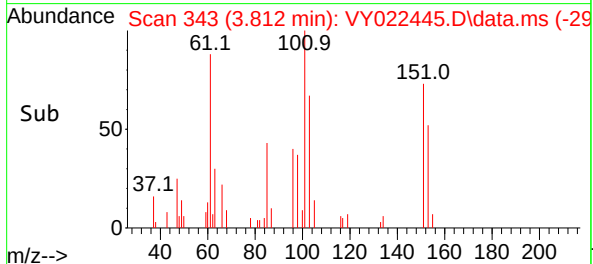
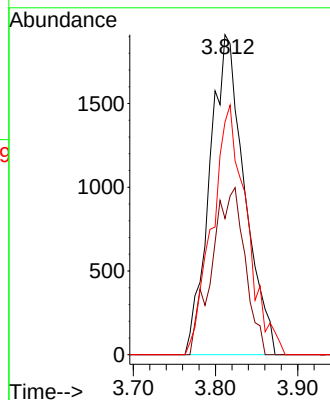
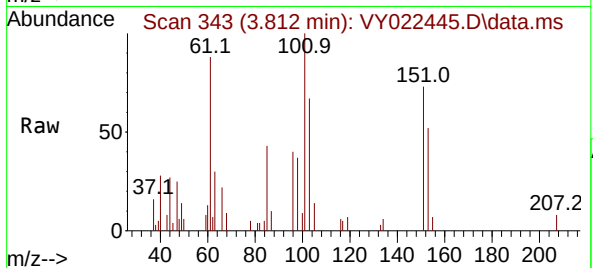




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.538 ug/l
RT: 3.812 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

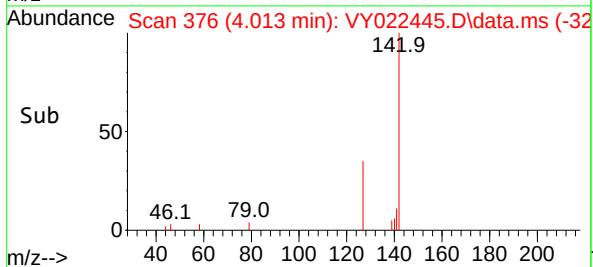
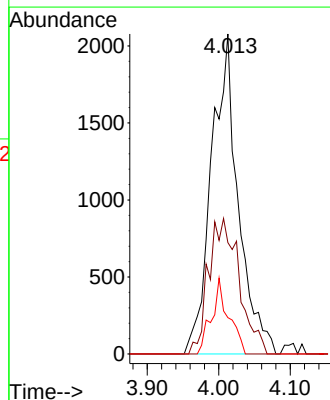
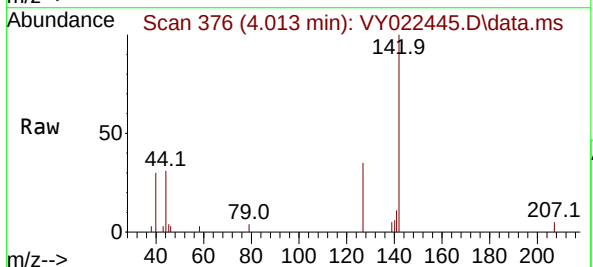
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

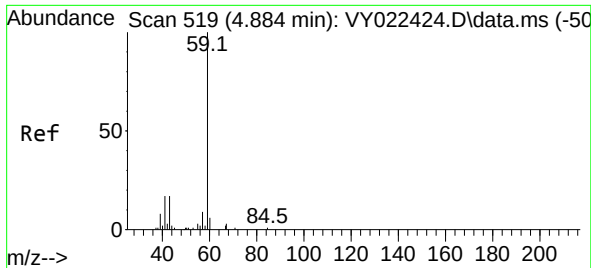
Tgt Ion:101 Resp: 5618
Ion Ratio Lower Upper
101 100
85 50.0 39.2 58.8
151 77.9 58.8 88.2



#10
Methyl Iodide
Concen: 2.173 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion:142 Resp: 5427
Ion Ratio Lower Upper
142 100
127 48.3 36.2 54.4
141 15.1 11.6 17.4

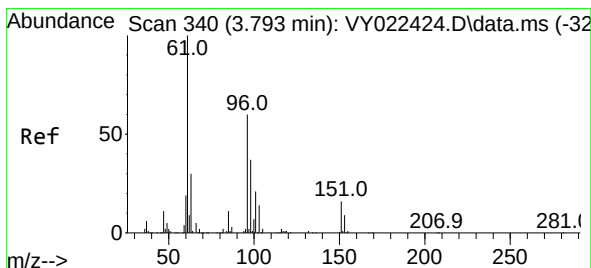
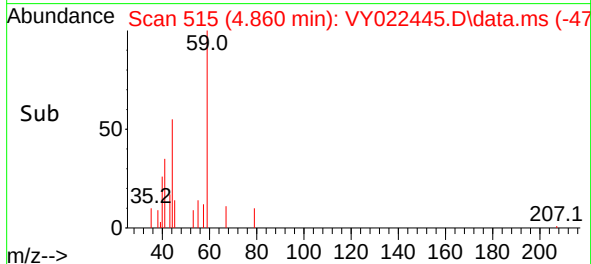
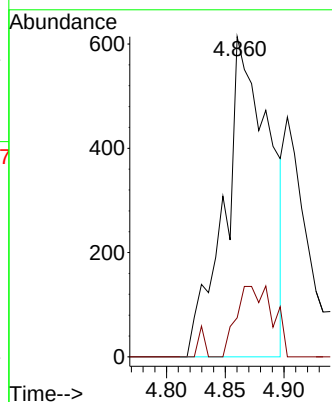
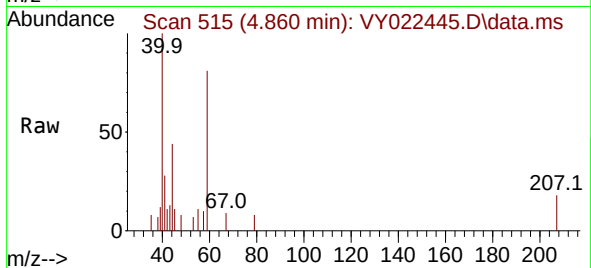




#11
Tert butyl alcohol
Concen: 10.429 ug/l
RT: 4.860 min Scan# 519
Delta R.T. -0.024 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

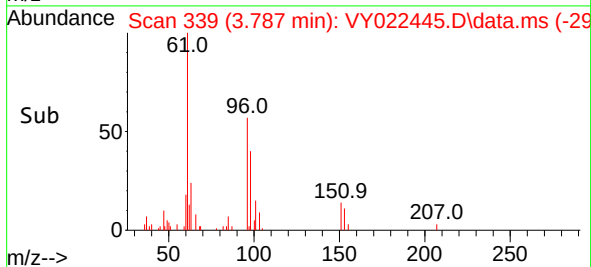
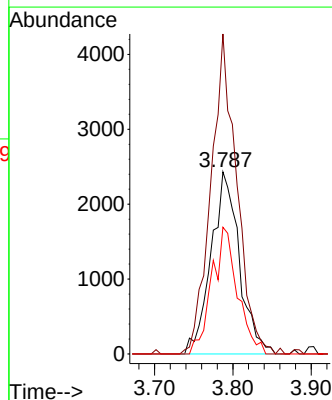
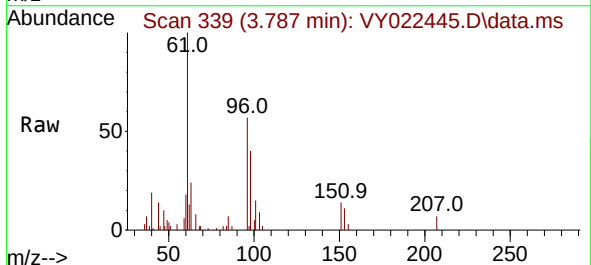
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

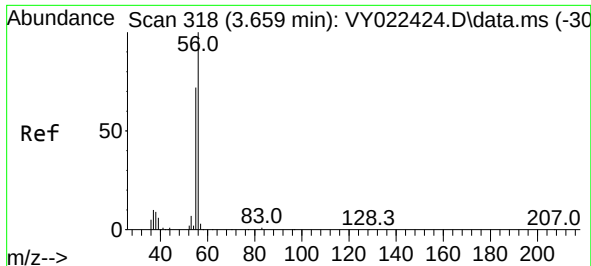
Tgt Ion: 59 Resp: 1624
Ion Ratio Lower Upper
59 100
57 0.0 9.1 13.7#



#12
1,1-Dichloroethene
Concen: 2.773 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.006 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion: 96 Resp: 6093
Ion Ratio Lower Upper
96 100
61 175.7 134.1 201.1
98 69.6 50.2 75.2





#13

Acrolein

Concen: 13.304 ug/l

RT: 3.653 min Scan# 318

Delta R.T. -0.006 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

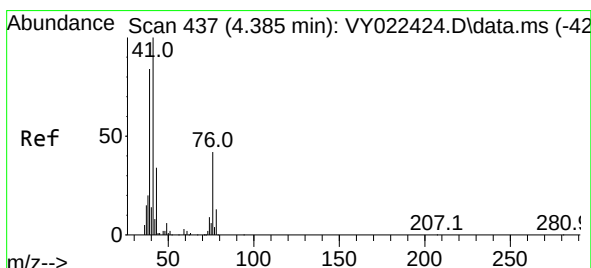
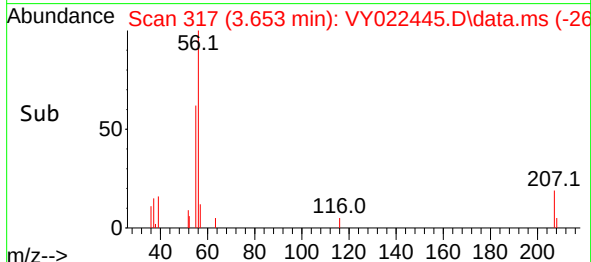
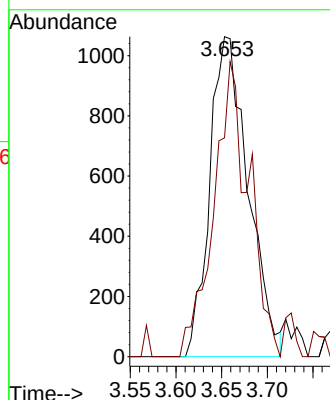
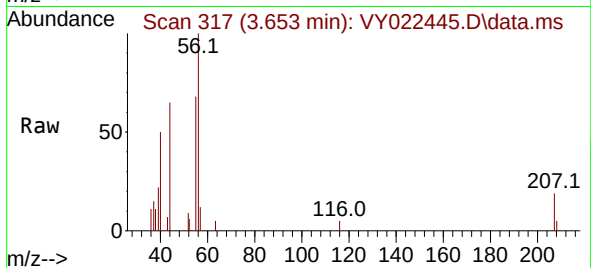
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 56 Resp: 3104

Ion Ratio Lower Upper

56 100

55 84.9 56.5 84.7#



#14

Allyl chloride

Concen: 2.725 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

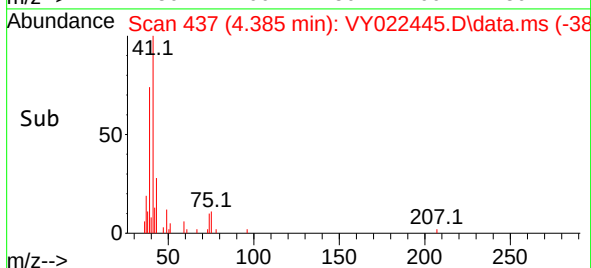
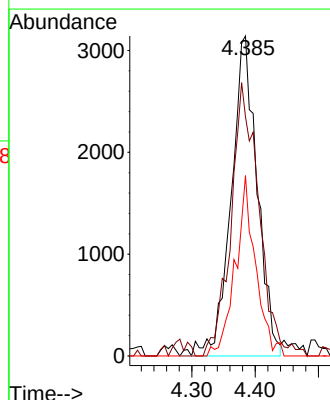
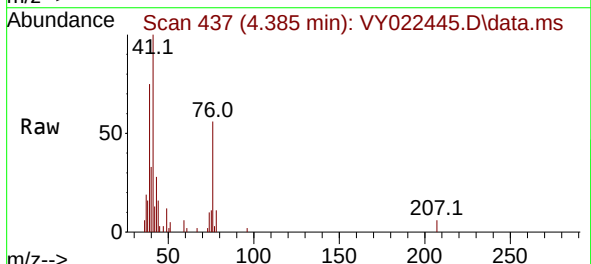
Tgt Ion: 41 Resp: 9006

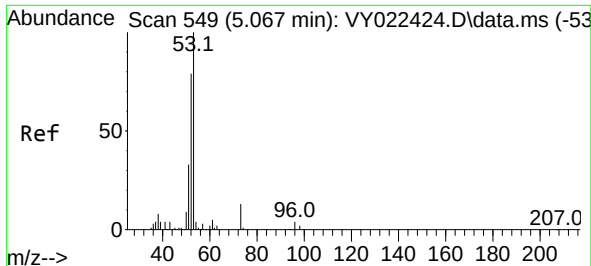
Ion Ratio Lower Upper

41 100

39 90.2 66.6 100.0

76 43.8 33.7 50.5

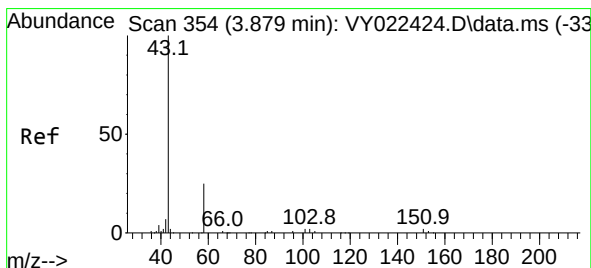
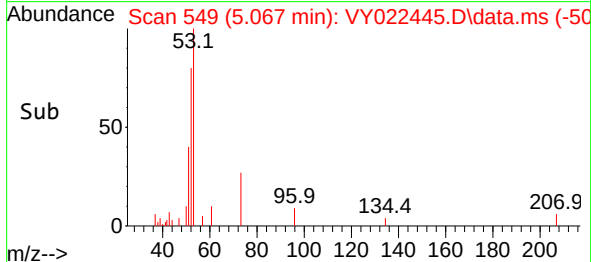
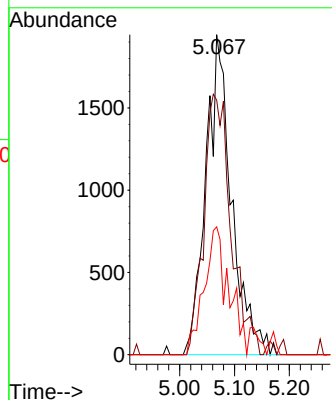
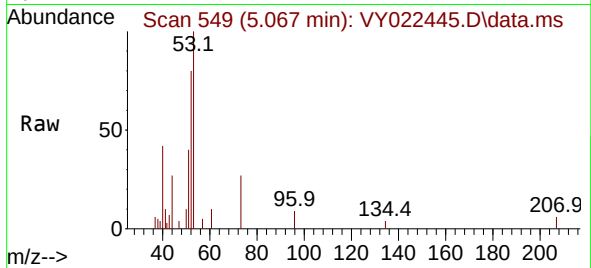




#15
Acrylonitrile
Concen: 13.594 ug/l
RT: 5.067 min Scan# 549
Delta R.T. 0.000 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

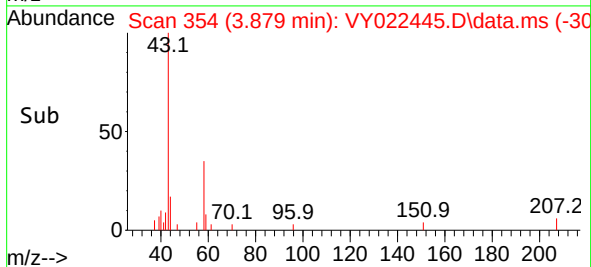
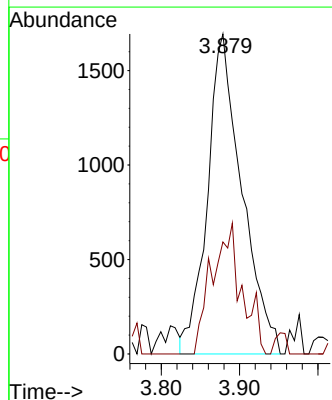
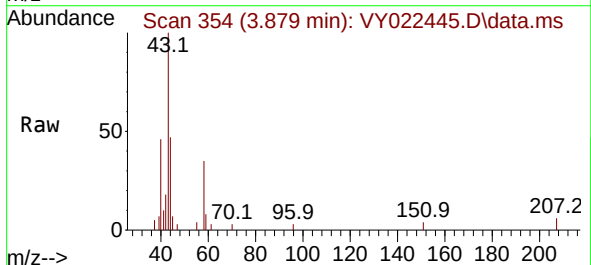
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

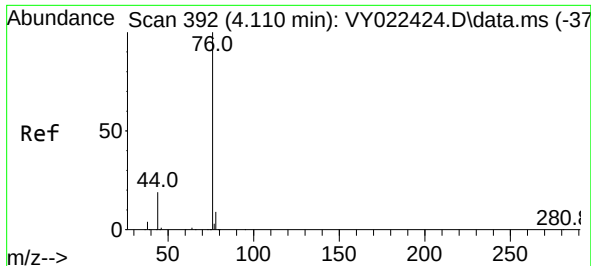
Tgt Ion: 53 Resp: 6374
Ion Ratio Lower Upper
53 100
52 85.6 65.1 97.7
51 37.7 30.0 45.0



#16
Acetone
Concen: 14.267 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion: 43 Resp: 5179
Ion Ratio Lower Upper
43 100
58 35.0 20.6 30.8#

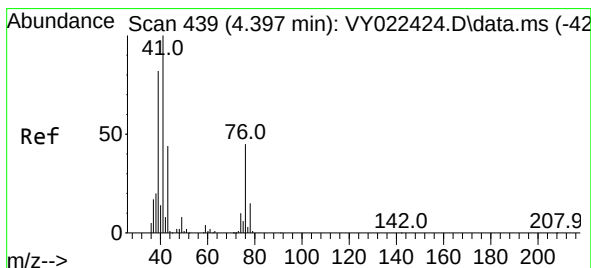
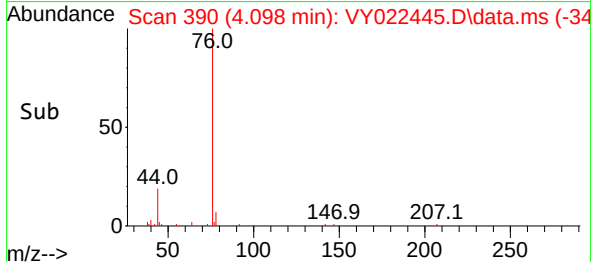
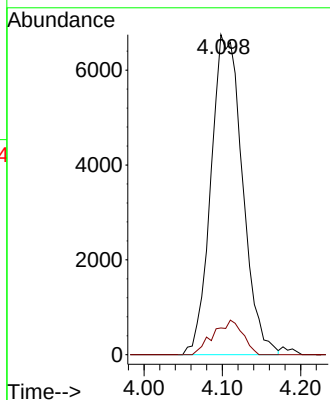
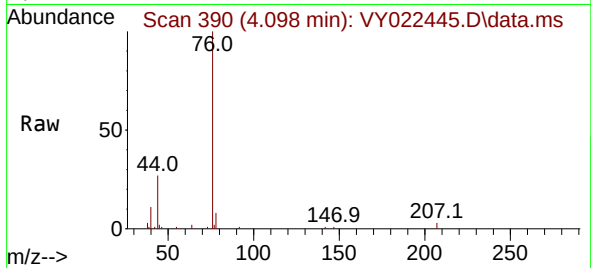




#17
Carbon Disulfide
Concen: 2.686 ug/l
RT: 4.098 min Scan# 391
Delta R.T. -0.012 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

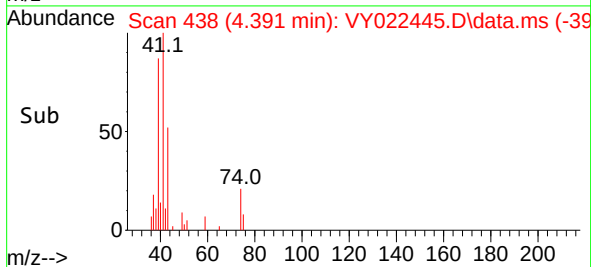
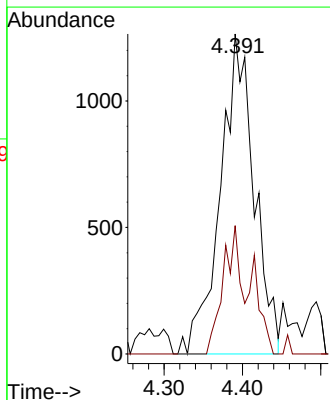
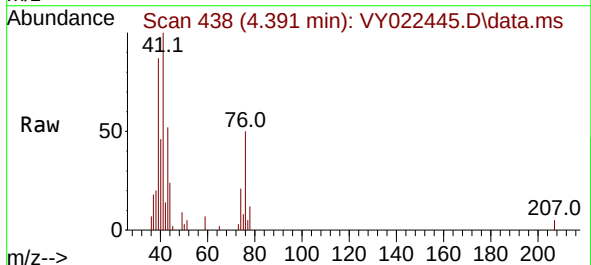
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

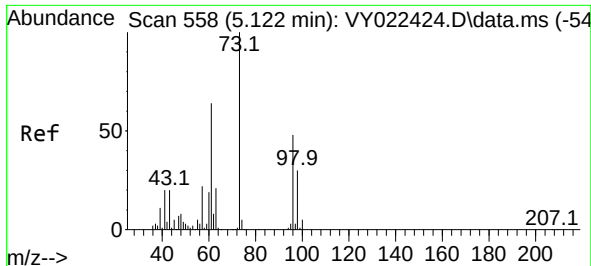
Tgt Ion: 76 Resp: 18834
Ion Ratio Lower Upper
76 100
78 8.4 7.2 10.8



#18
Methyl Acetate
Concen: 2.786 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion: 43 Resp: 3789
Ion Ratio Lower Upper
43 100
74 20.9 21.2 31.8#

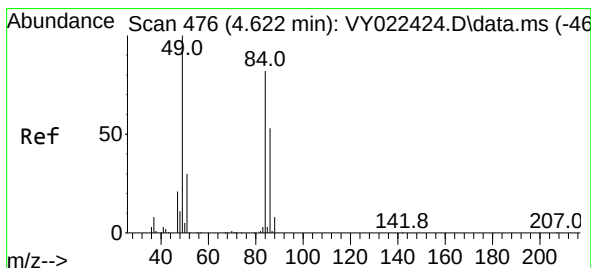
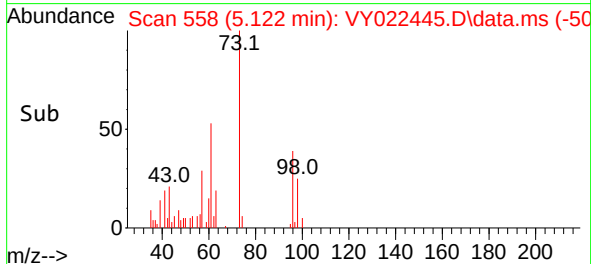
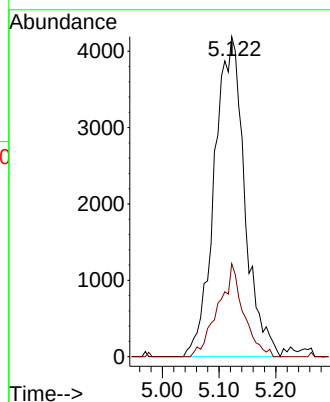
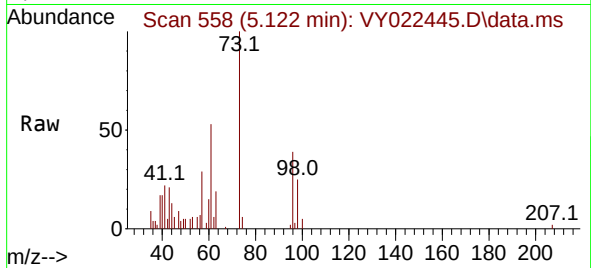




#19
Methyl tert-butyl Ether
Concen: 2.659 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

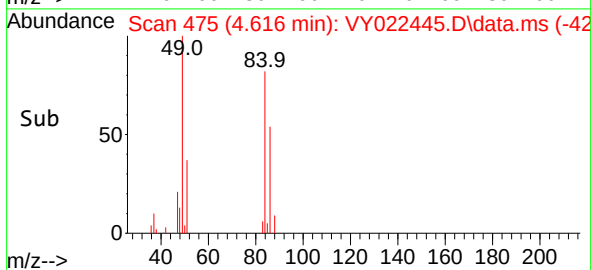
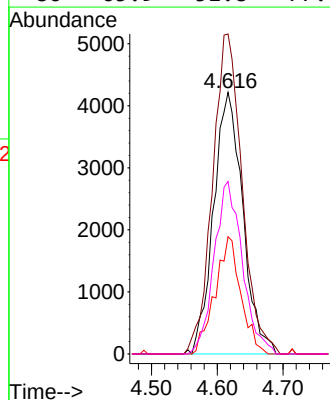
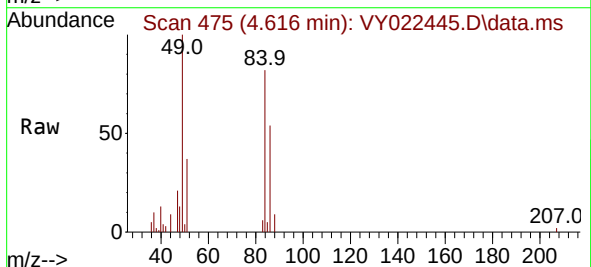
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

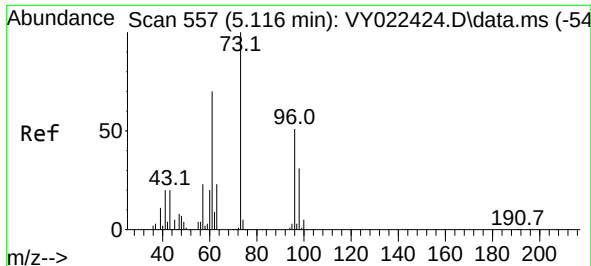
Tgt Ion: 73 Resp: 15513
Ion Ratio Lower Upper
73 100
57 29.0 17.7 26.5#



#20
Methylene Chloride
Concen: 5.081 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion: 84 Resp: 13025
Ion Ratio Lower Upper
84 100
49 122.3 97.8 146.8
51 44.9 29.5 44.3#
86 65.9 51.8 77.6

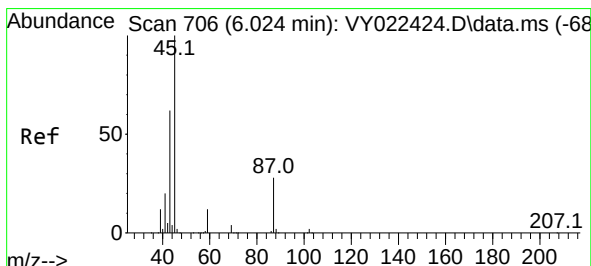
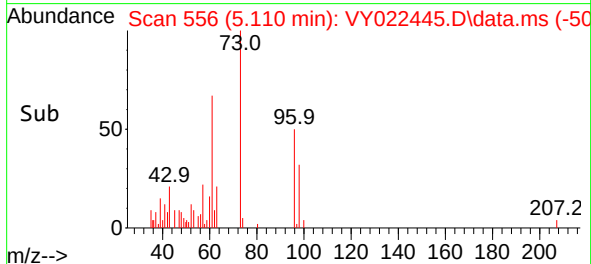
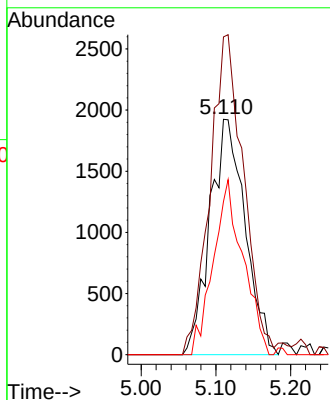
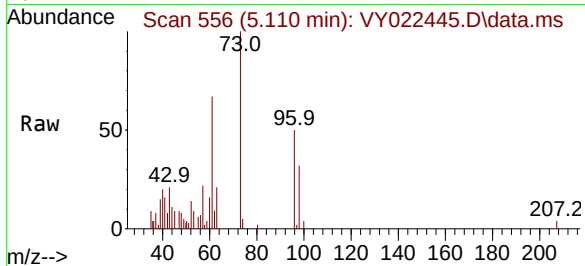




#21
trans-1,2-Dichloroethene
Concen: 2.624 ug/l
RT: 5.110 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

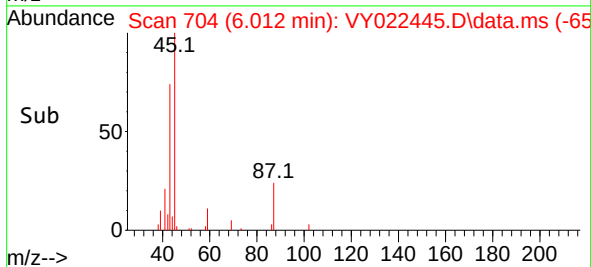
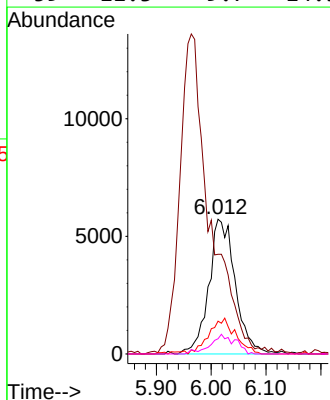
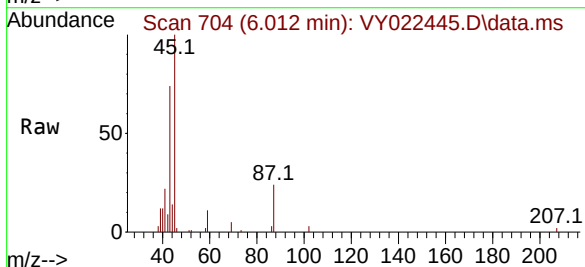
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

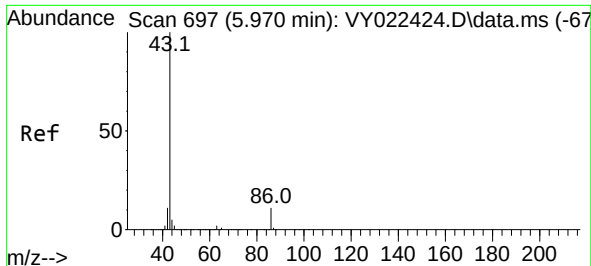
Tgt Ion: 96 Resp: 6295
Ion Ratio Lower Upper
96 100
61 135.0 110.4 165.6
98 65.0 48.6 73.0



#22
Diisopropyl ether
Concen: 2.639 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.012 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion: 45 Resp: 19254
Ion Ratio Lower Upper
45 100
43 72.2 49.8 74.8
87 24.3 23.0 34.6
59 11.3 9.7 14.5

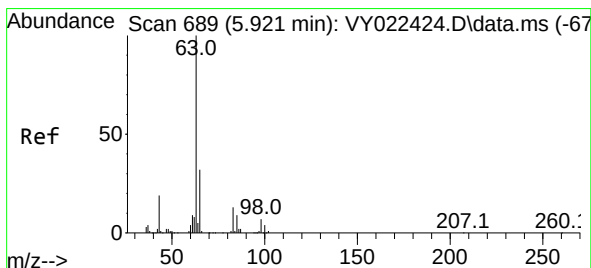
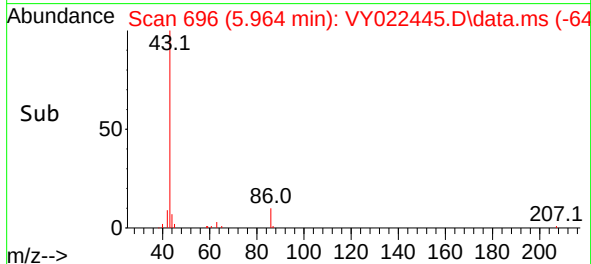
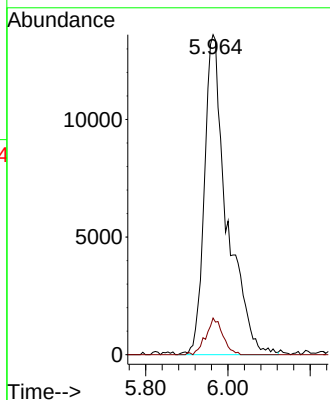
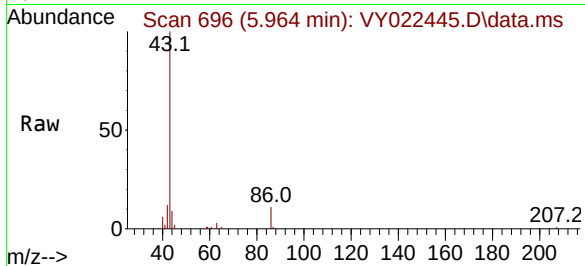




#23
 Vinyl Acetate
 Concen: 12.360 ug/l
 RT: 5.964 min Scan# 697
 Delta R.T. -0.006 min
 Lab File: VY022445.D
 Acq: 28 May 2025 12:03

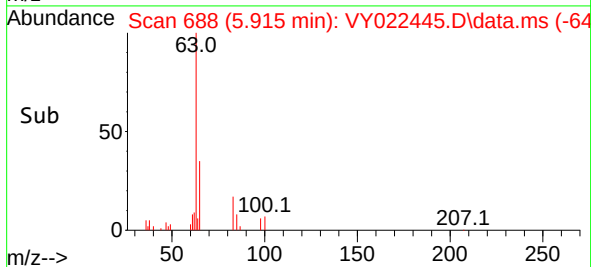
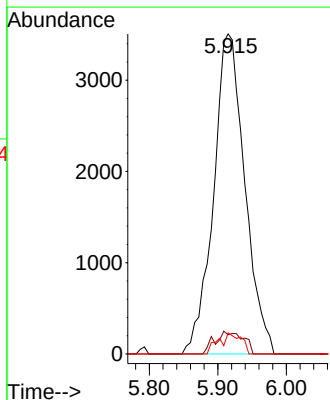
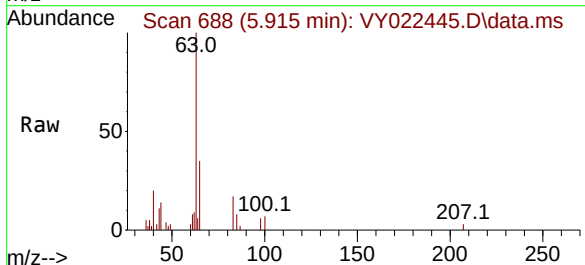
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

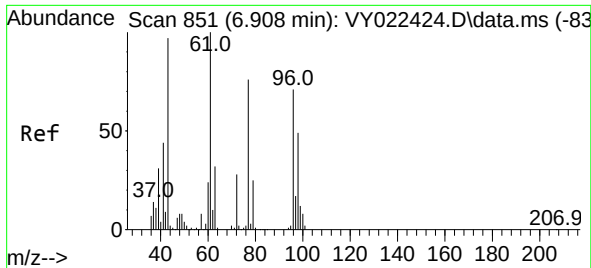
Tgt Ion: 43 Resp: 51775
 Ion Ratio Lower Upper
 43 100
 86 11.4 8.8 13.2



#24
 1,1-Dichloroethane
 Concen: 2.584 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. -0.006 min
 Lab File: VY022445.D
 Acq: 28 May 2025 12:03

Tgt Ion: 63 Resp: 11137
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.5 10.5
 100 6.6 2.1 6.5#

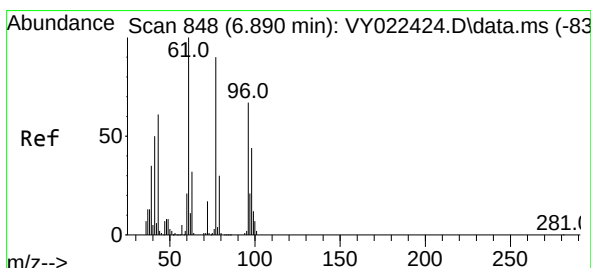
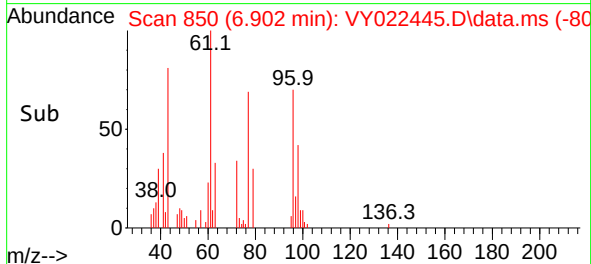
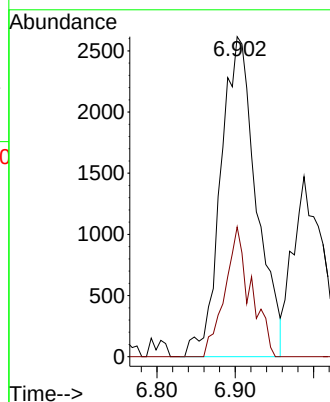
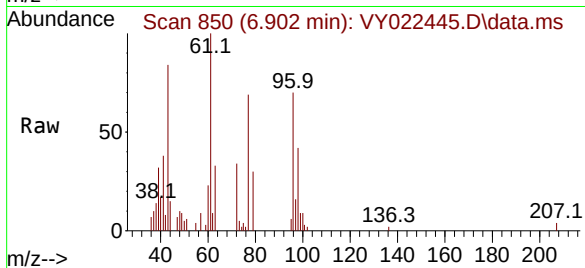




#25
2-Butanone
Concen: 13.666 ug/l
RT: 6.902 min Scan# 81
Delta R.T. -0.006 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

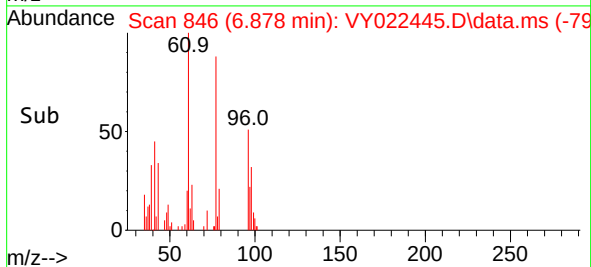
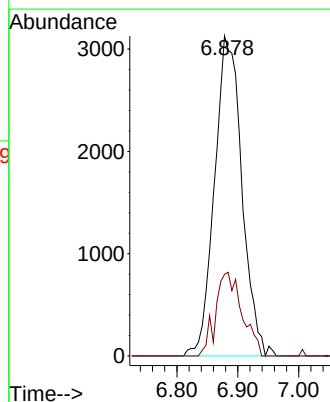
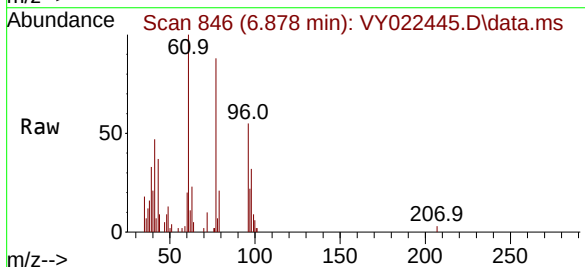
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

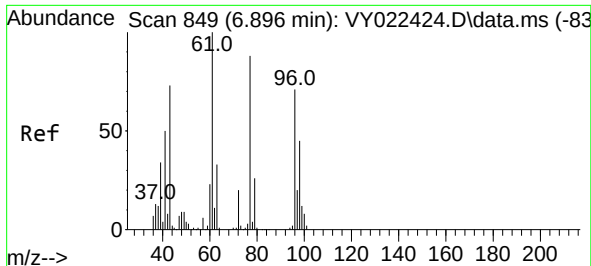
Tgt Ion: 43 Resp: 8262
Ion Ratio Lower Upper
43 100
72 40.6 22.8 34.2#



#26
2,2-Dichloropropane
Concen: 2.502 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion: 77 Resp: 9766
Ion Ratio Lower Upper
77 100
97 25.3 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 2.732 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

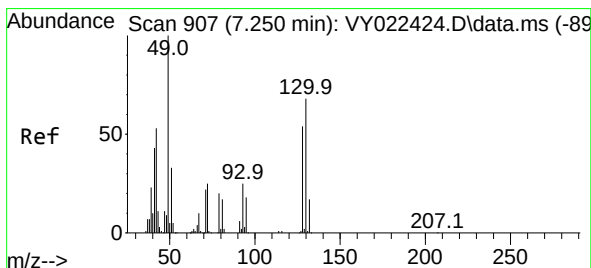
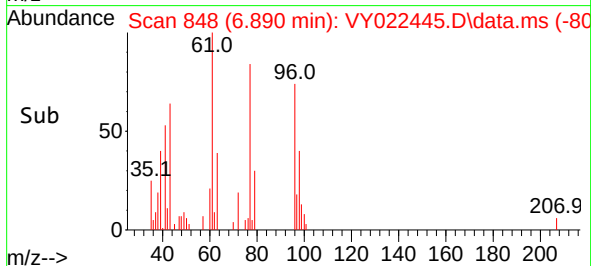
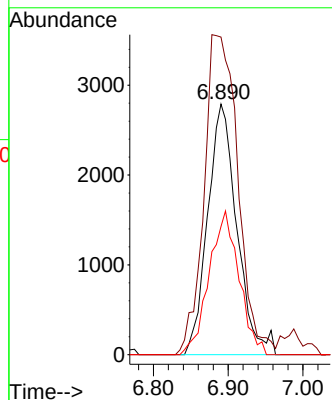
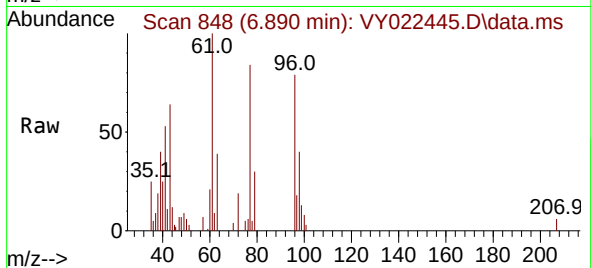
Tgt Ion: 96 Resp: 7586

Ion Ratio Lower Upper

96 100

61 147.9 0.0 292.0

98 58.7 0.0 131.0



#28

Bromochloromethane

Concen: 2.898 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

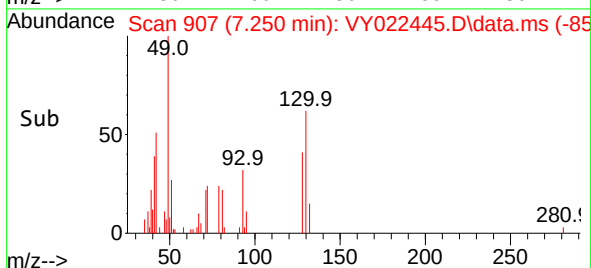
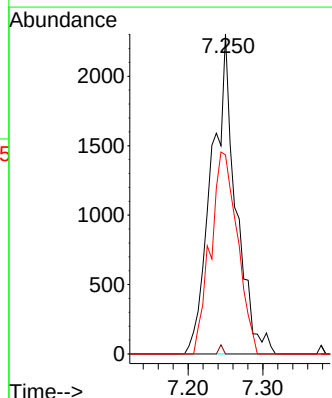
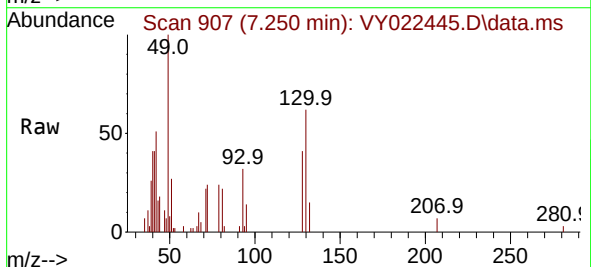
Tgt Ion: 49 Resp: 5216

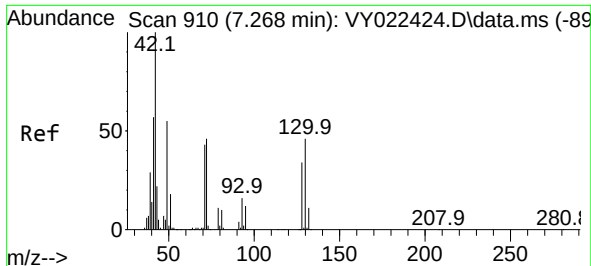
Ion Ratio Lower Upper

49 100

129 0.5 0.0 4.0

130 69.7 56.9 85.3





#29

Tetrahydrofuran

Concen: 14.397 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.000 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

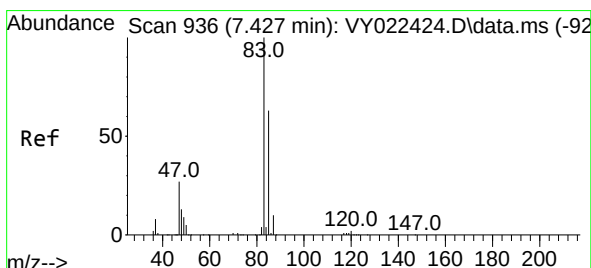
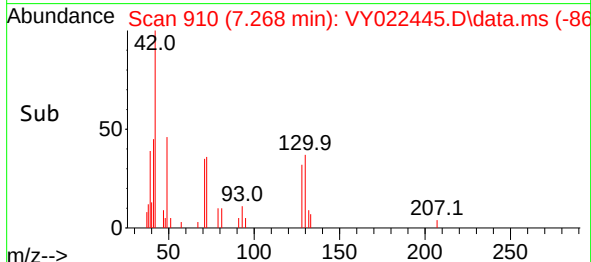
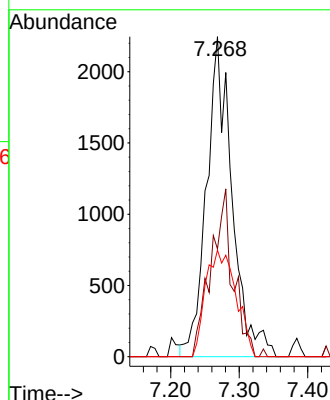
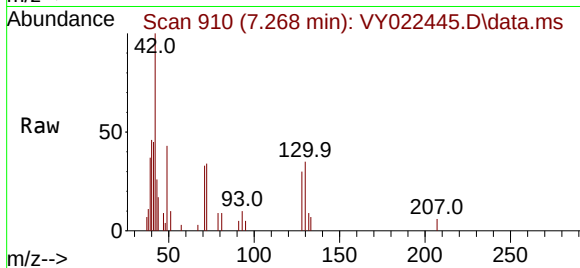
Tgt Ion: 42 Resp: 5805

Ion Ratio Lower Upper

42 100

72 45.6 37.7 56.5

71 39.7 34.7 52.1



#30

Chloroform

Concen: 2.632 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.006 min

Lab File: VY022445.D

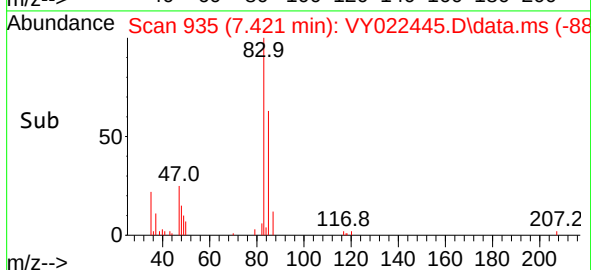
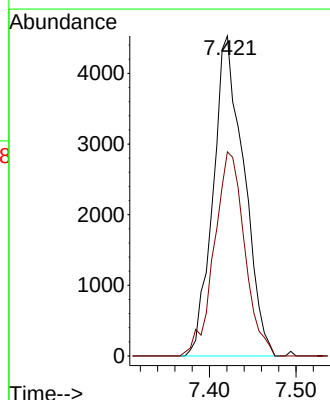
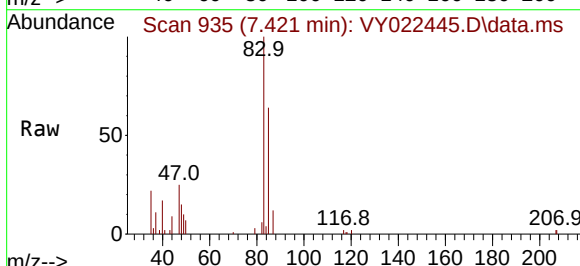
Acq: 28 May 2025 12:03

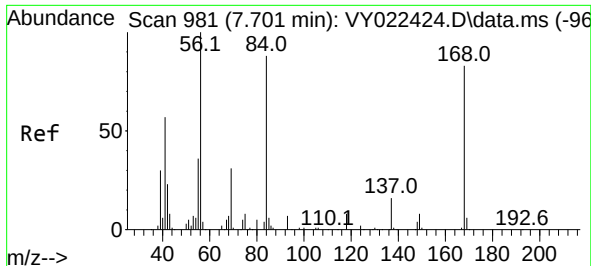
Tgt Ion: 83 Resp: 11180

Ion Ratio Lower Upper

83 100

85 63.8 50.1 75.1

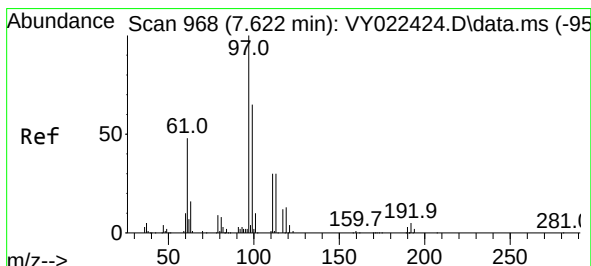
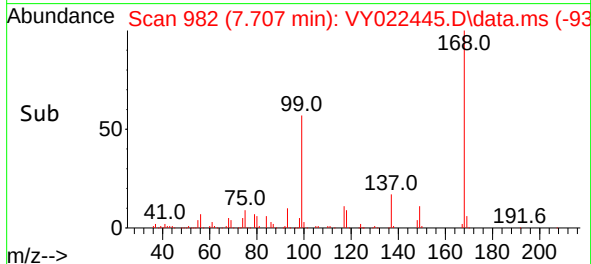
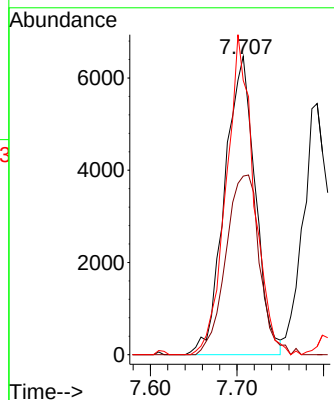
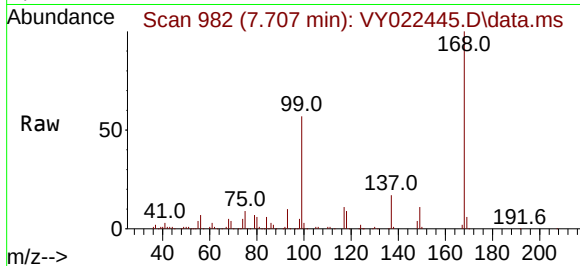




#31
Cyclohexane
Concen: 3.743 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

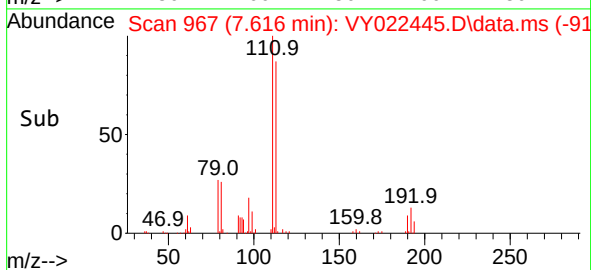
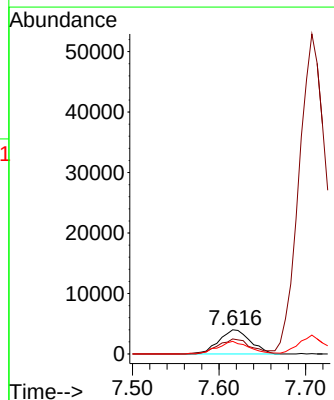
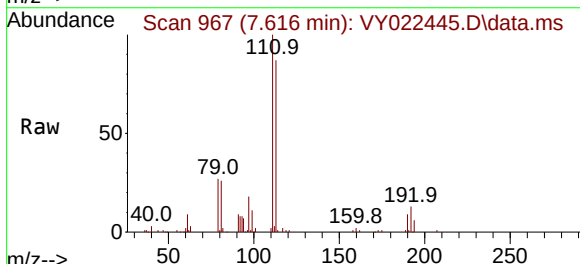
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

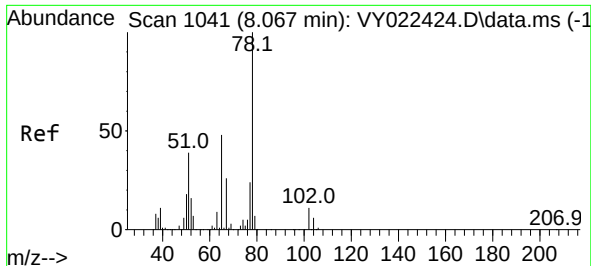
Tgt Ion: 56 Resp: 15905
Ion Ratio Lower Upper
56 100
69 59.9 24.6 36.8#
84 92.0 70.4 105.6



#32
1,1,1-Trichloroethane
Concen: 2.615 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion: 97 Resp: 10082
Ion Ratio Lower Upper
97 100
99 62.0 51.3 76.9
61 52.1 37.3 55.9





#33

1,2-Dichloroethane-d4

Concen: 53.971 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

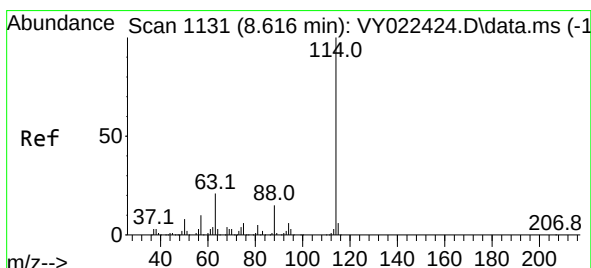
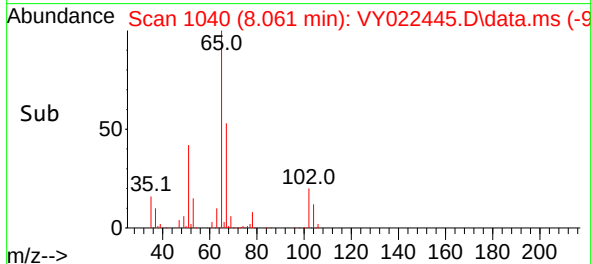
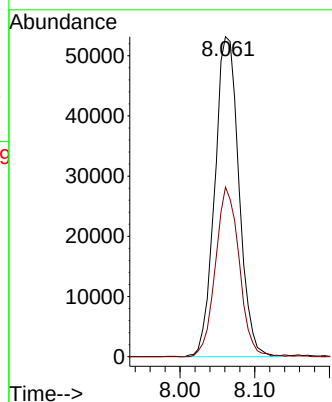
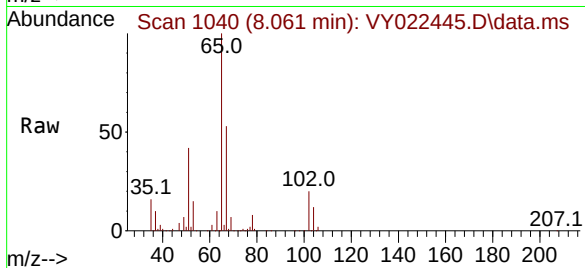
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 65 Resp: 119230

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

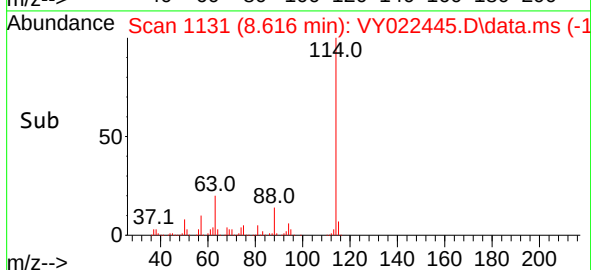
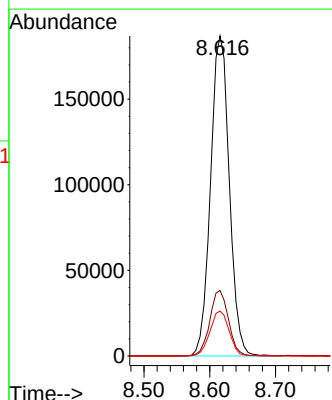
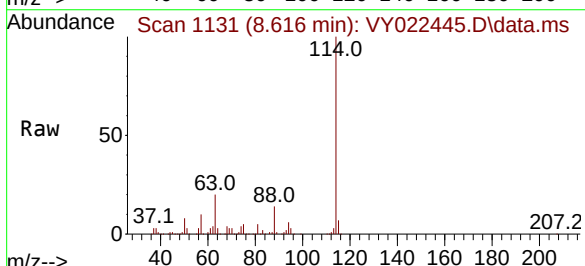
Tgt Ion: 114 Resp: 370671

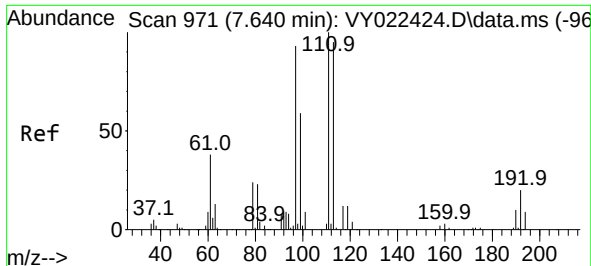
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

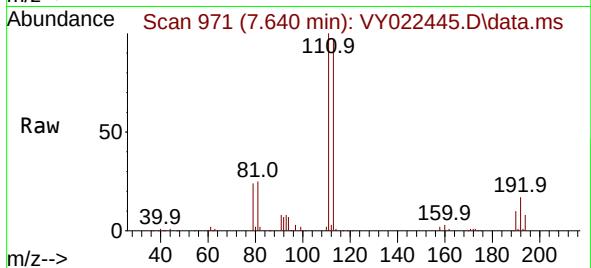
88 14.0 0.0 29.4



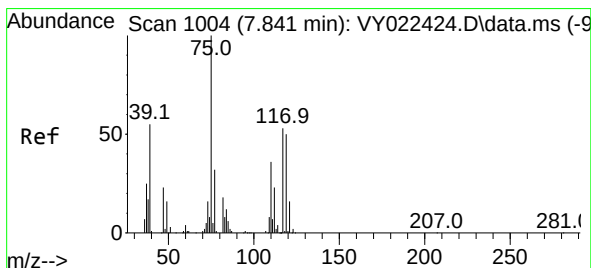
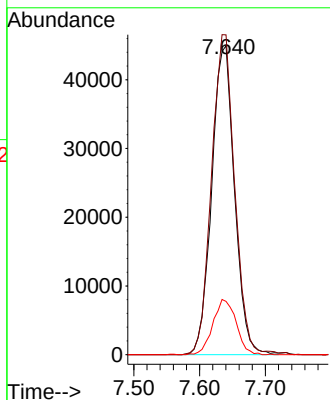
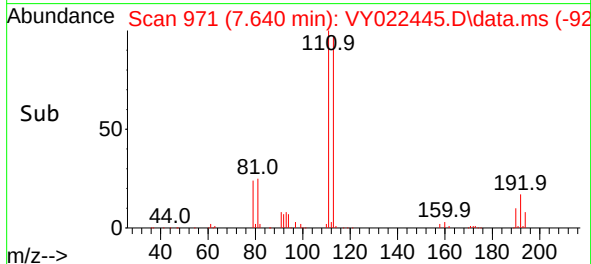


#35
Dibromofluoromethane
Concen: 50.028 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

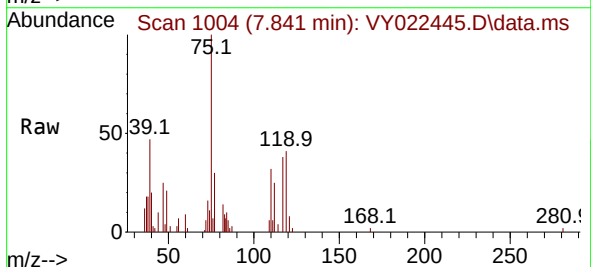
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



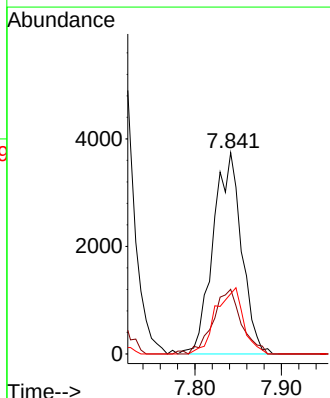
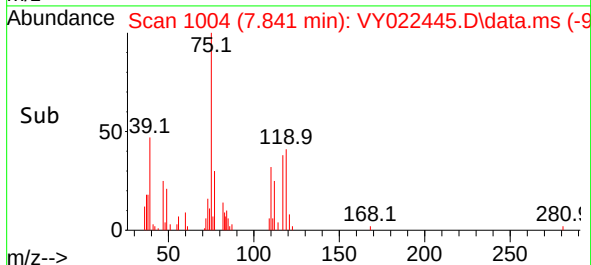
Tgt Ion:113 Resp: 108599
Ion Ratio Lower Upper
113 100
111 105.2 82.4 123.6
192 18.2 15.2 22.8

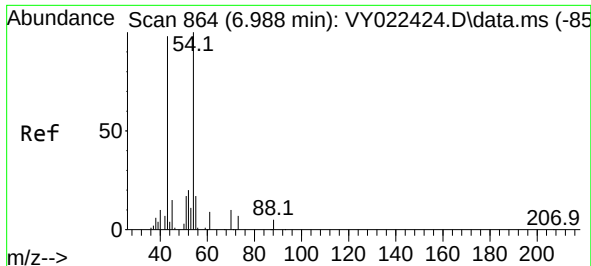


#36
1,1-Dichloropropene
Concen: 2.483 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03



Tgt Ion: 75 Resp: 8554
Ion Ratio Lower Upper
75 100
110 32.4 17.1 51.2
77 31.8 25.1 37.7





#37

Ethyl Acetate

Concen: 2.814 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY022445.D

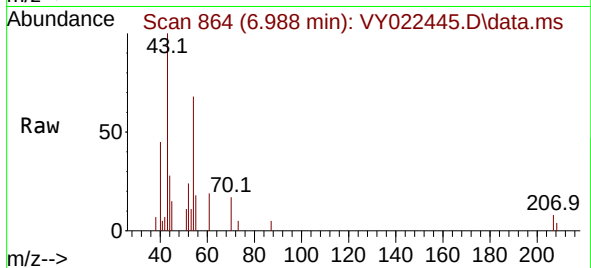
Acq: 28 May 2025 12:03

Instrument :

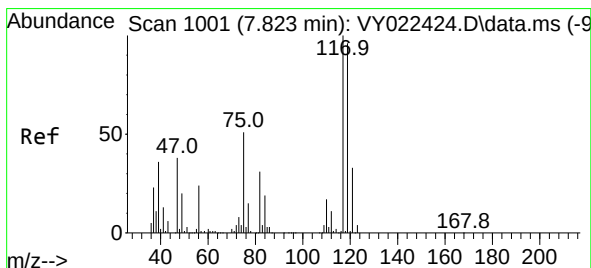
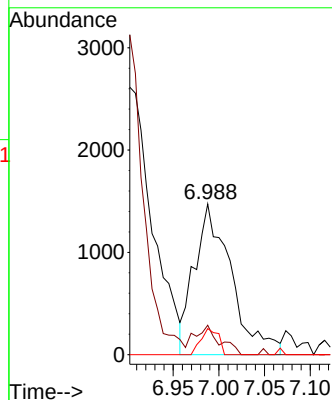
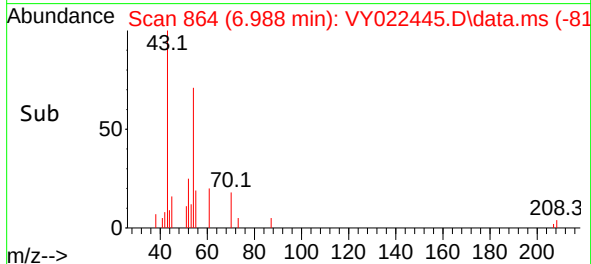
MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:	43	Resp:	4119
Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.7	17.5
70	8.3	7.8	11.6



#38

Carbon Tetrachloride

Concen: 2.454 ug/l

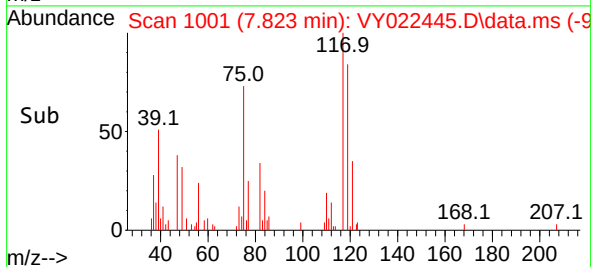
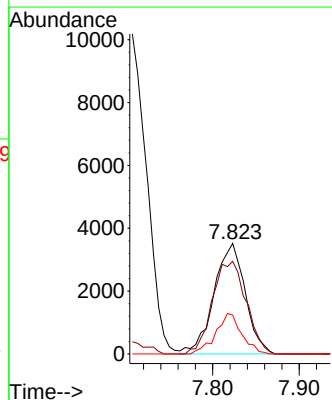
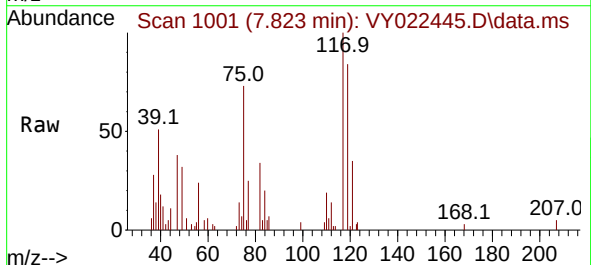
RT: 7.823 min Scan# 1001

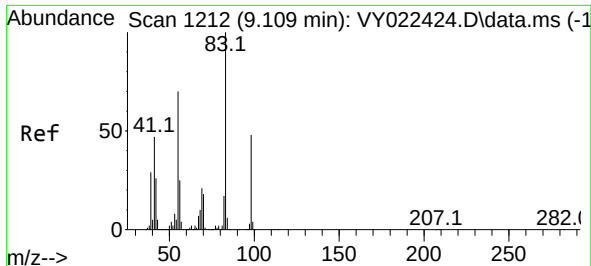
Delta R.T. 0.000 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

Tgt Ion:	117	Resp:	8807
Ion	Ratio	Lower	Upper
117	100		
119	83.7	76.3	114.5
121	35.2	26.1	39.1

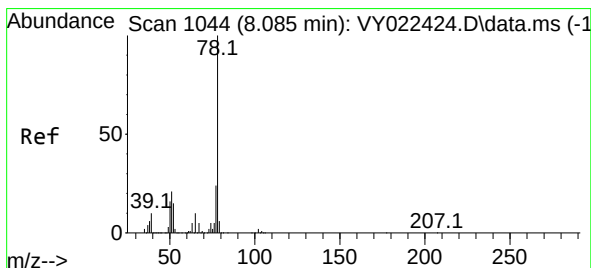
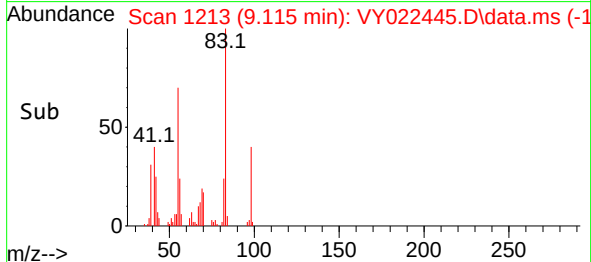
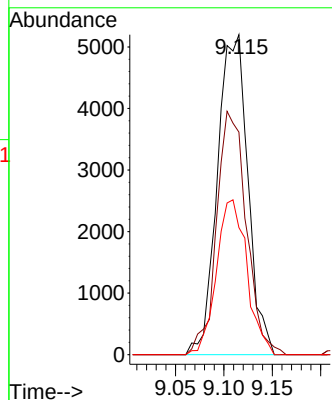
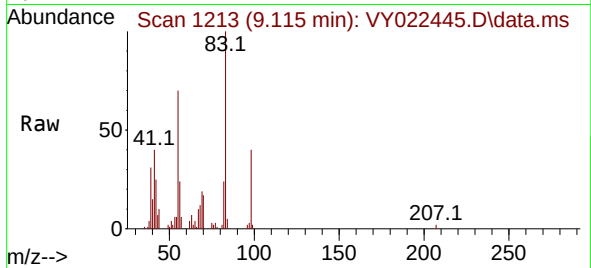




#39
Methylcyclohexane
Concen: 2.486 ug/l
RT: 9.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

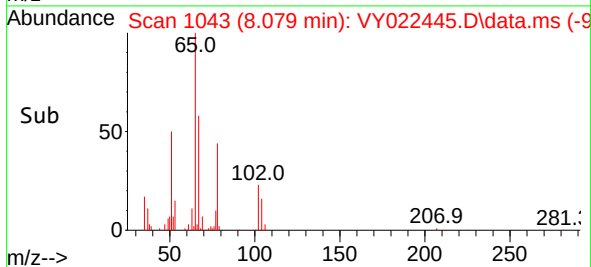
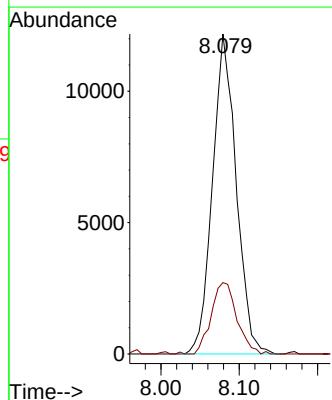
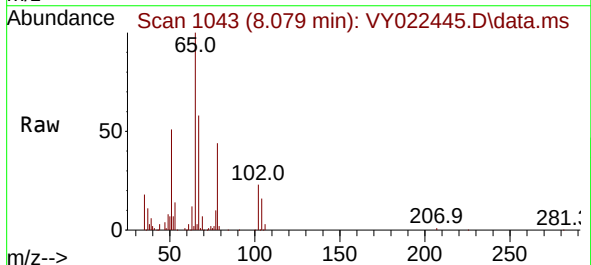
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

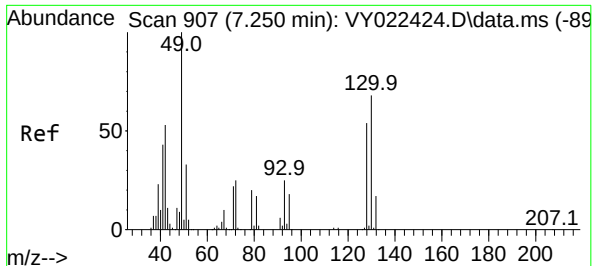
Tgt Ion: 83 Resp: 11384
Ion Ratio Lower Upper
83 100
55 69.6 56.2 84.2
98 39.7 38.4 57.6



#40
Benzene
Concen: 2.496 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion: 78 Resp: 25586
Ion Ratio Lower Upper
78 100
77 22.3 19.4 29.2

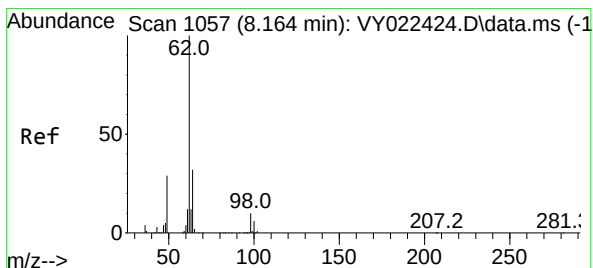
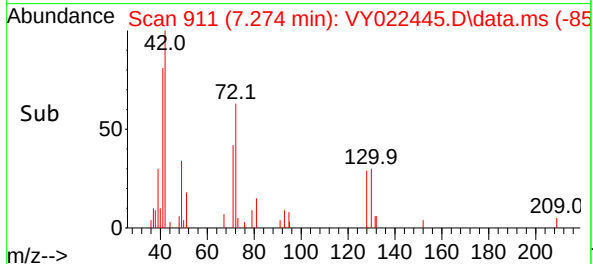
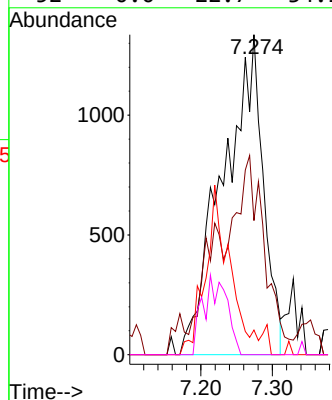
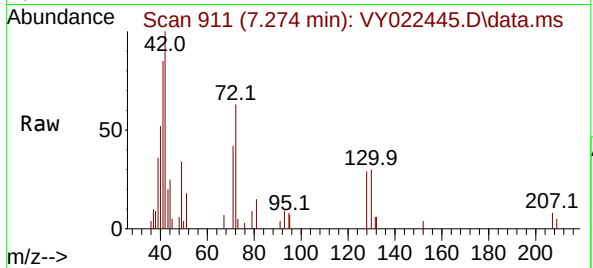




#41
Methacrylonitrile
Concen: 5.869 ug/l
RT: 7.274 min Scan# 911
Delta R.T. 0.024 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

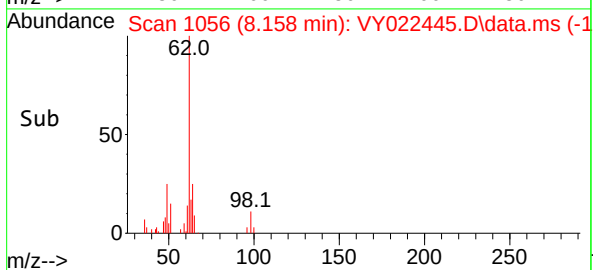
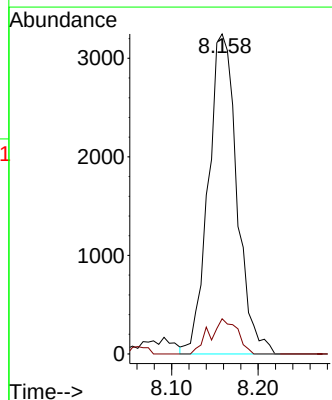
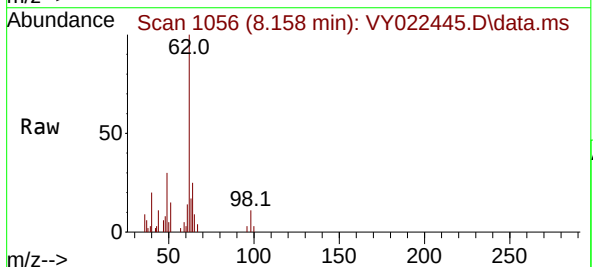
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

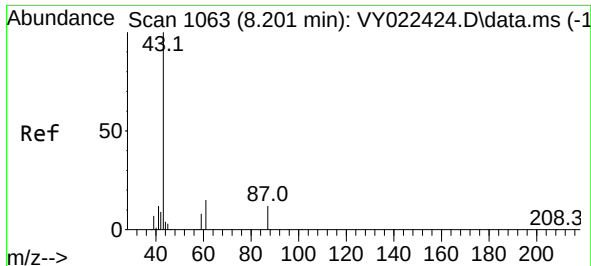
Tgt Ion: 41 Resp: 5215
Ion Ratio Lower Upper
41 100
39 47.6 40.4 60.6
67 0.0 53.0 79.4#
52 0.0 22.7 34.1#



#42
1,2-Dichloroethane
Concen: 2.754 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion: 62 Resp: 7455
Ion Ratio Lower Upper
62 100
98 10.7 0.0 18.4

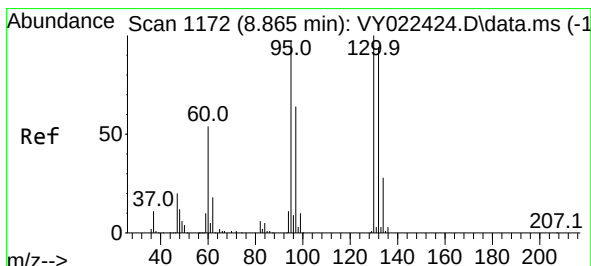
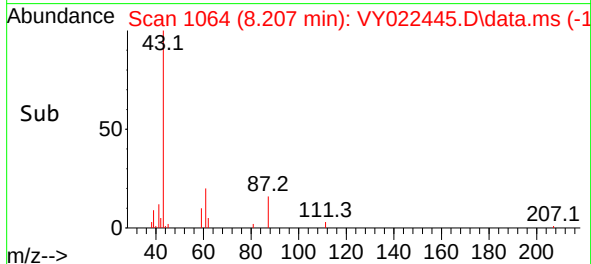
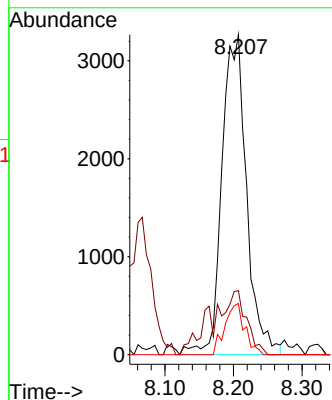
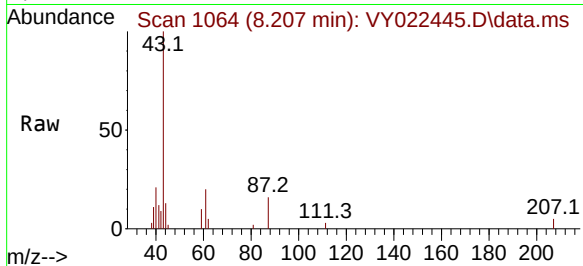




#43
Isopropyl Acetate
Concen: 2.546 ug/l
RT: 8.207 min Scan# 1063
Delta R.T. 0.006 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

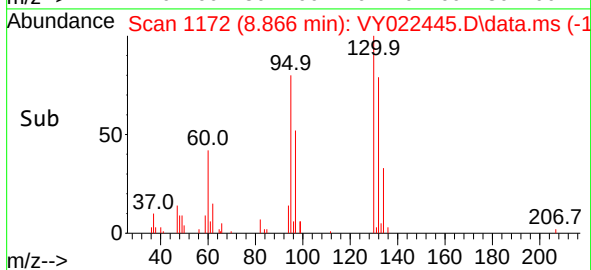
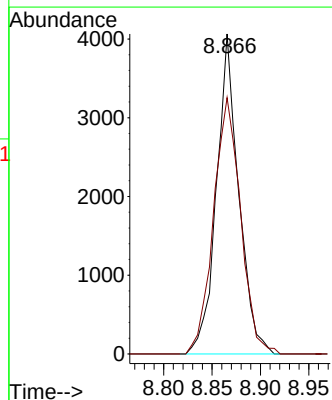
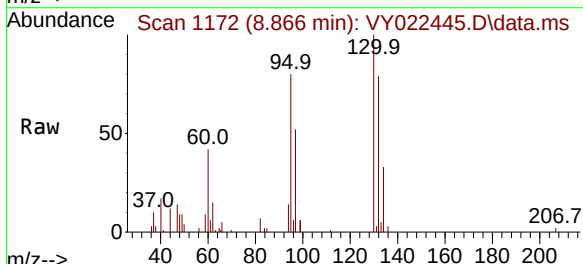
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

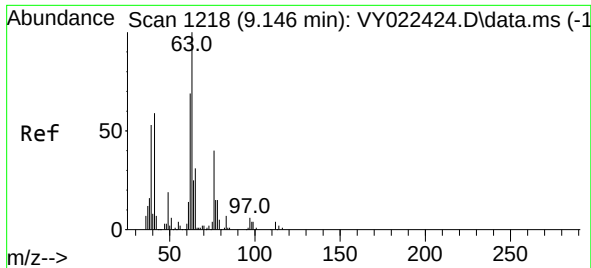
Tgt Ion: 43 Resp: 8145
Ion Ratio Lower Upper
43 100
61 20.0 15.4 23.0
87 12.9 10.6 15.8



#44
Trichloroethene
Concen: 2.568 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion:130 Resp: 6507
Ion Ratio Lower Upper
130 100
95 80.1 0.0 194.8





#45

1,2-Dichloropropane

Concen: 2.379 ug/l

RT: 9.146 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

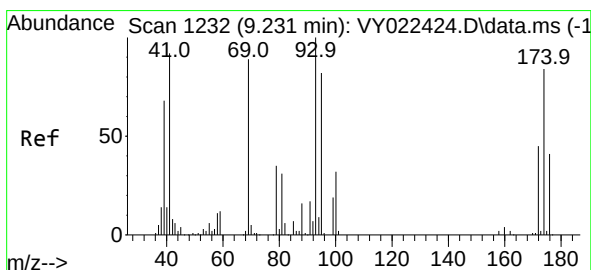
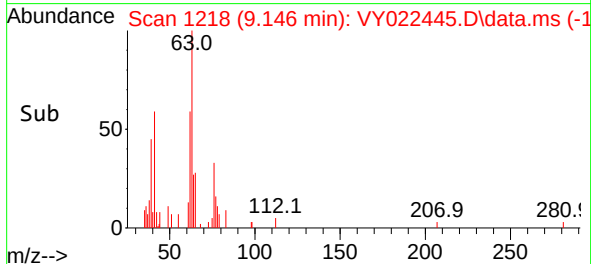
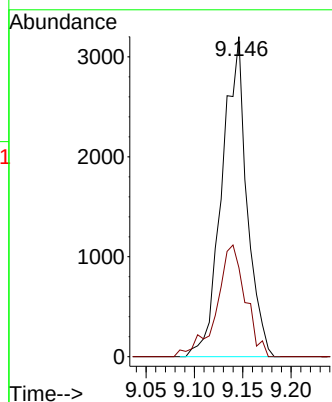
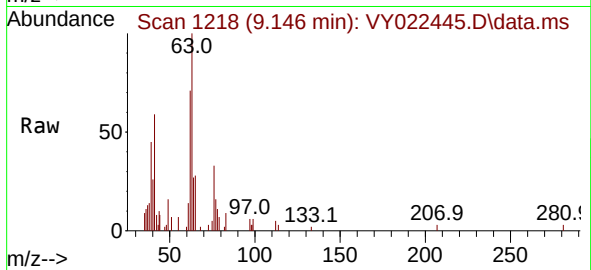
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 63 Resp: 5730

Ion Ratio Lower Upper

63 100

65 27.8 25.1 37.7



#46

Dibromomethane

Concen: 2.534 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

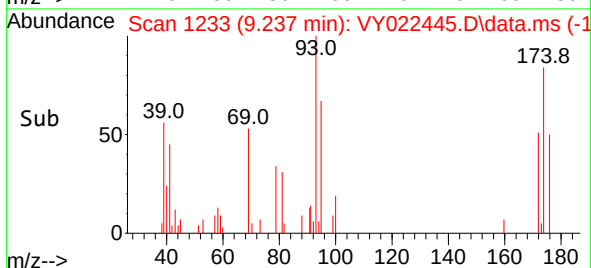
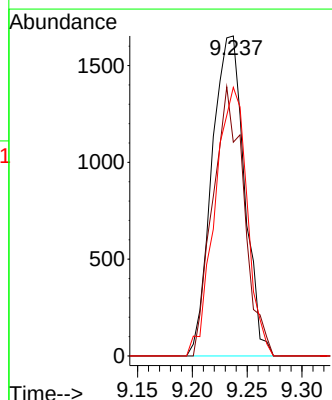
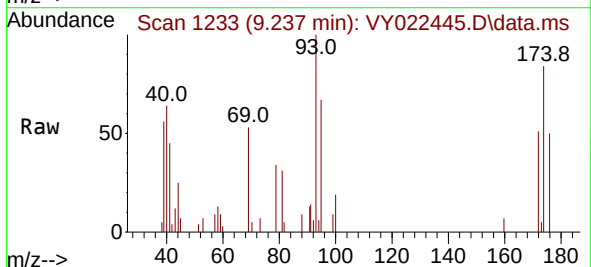
Tgt Ion: 93 Resp: 3409

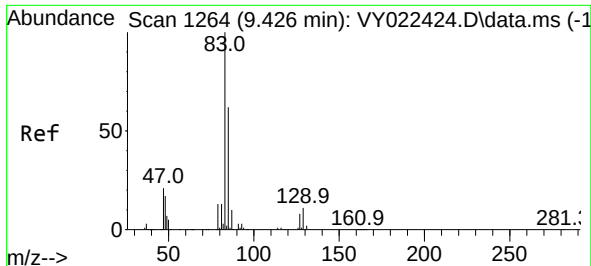
Ion Ratio Lower Upper

93 100

95 80.5 66.2 99.2

174 83.2 71.1 106.7





#47

Bromodichloromethane

Concen: 2.334 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.006 min

Lab File: VY022445.D

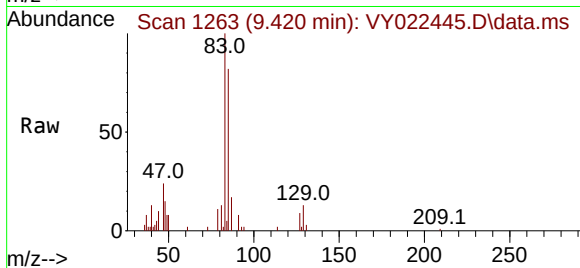
Acq: 28 May 2025 12:03

Instrument :

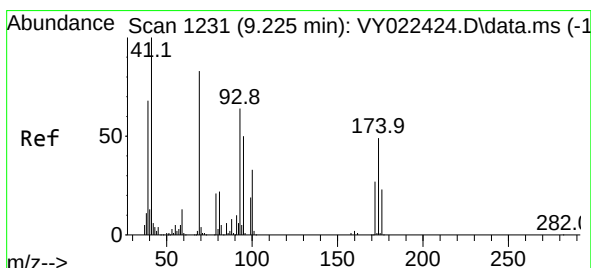
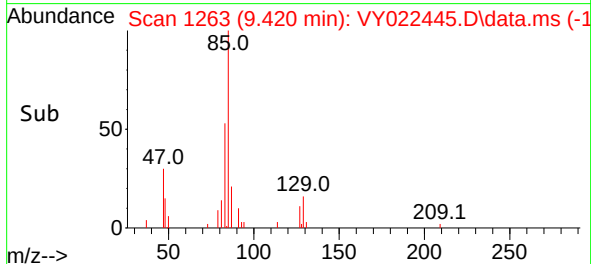
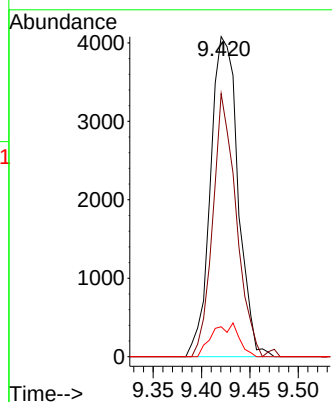
MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:	83	Resp:	8076
Ion	Ratio	Lower	Upper
83	100		
85	82.2	49.8	74.6#
127	9.4	6.6	9.8



#48

Methyl methacrylate

Concen: 2.428 ug/l

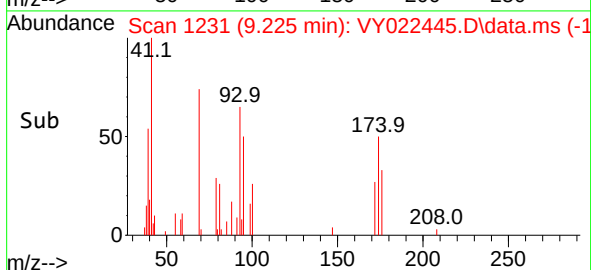
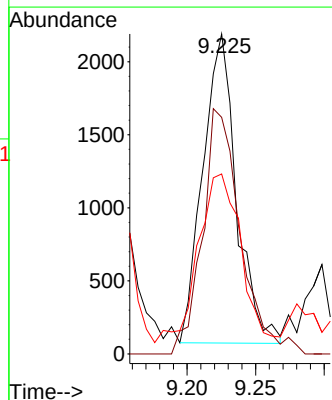
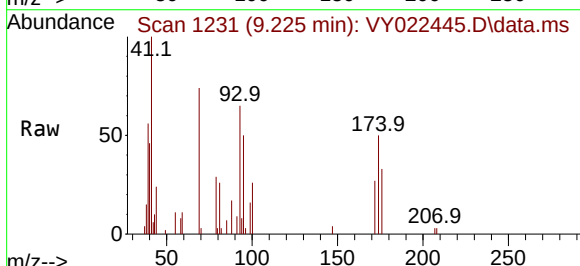
RT: 9.225 min Scan# 1231

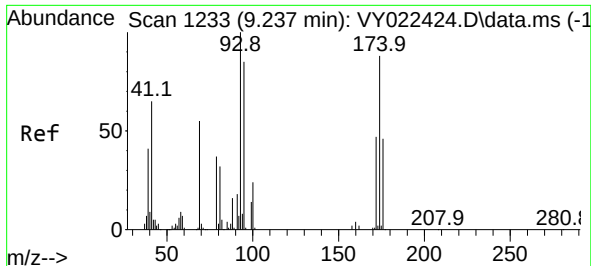
Delta R.T. 0.000 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

Tgt Ion:	41	Resp:	3606
Ion	Ratio	Lower	Upper
41	100		
69	89.8	70.3	105.5
39	70.4	55.4	83.0





#49

1,4-Dioxane

Concen: 24.093 ug/l

RT: 9.225 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

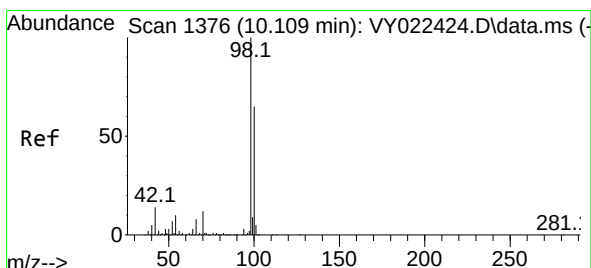
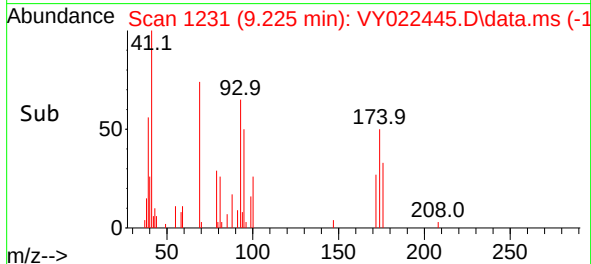
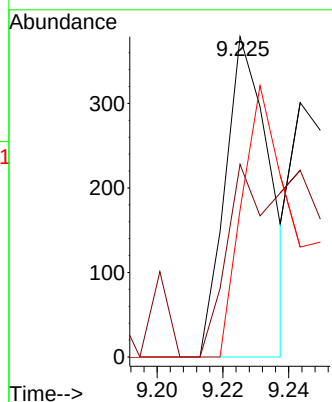
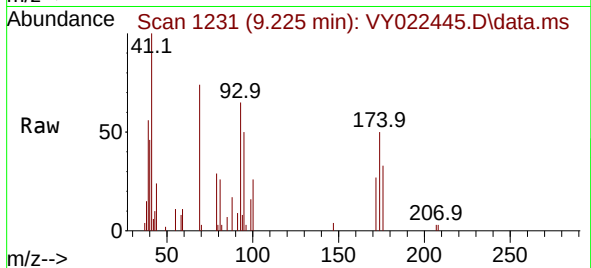
Tgt Ion: 88 Resp: 358

Ion Ratio Lower Upper

88 100

43 107.8 26.9 40.3#

58 134.6 55.8 83.6#



#50

Toluene-d8

Concen: 50.370 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY022445.D

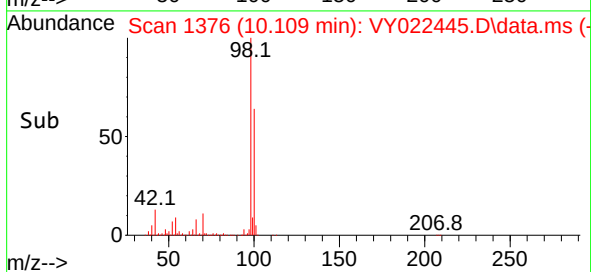
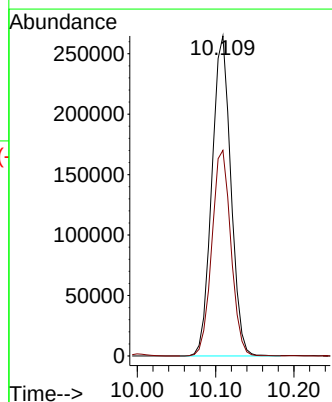
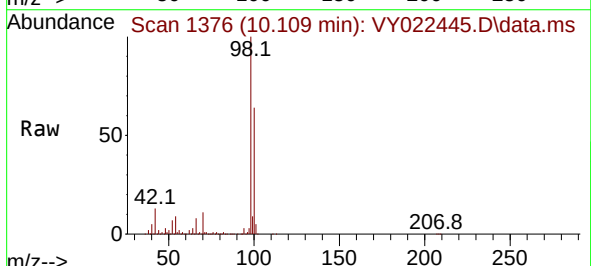
Acq: 28 May 2025 12:03

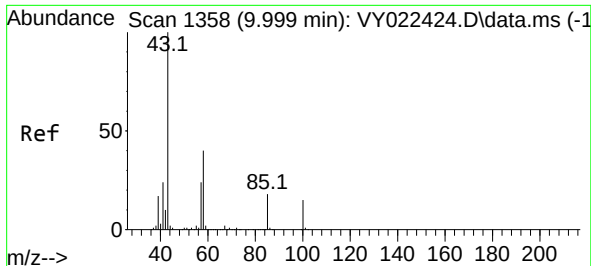
Tgt Ion: 98 Resp: 445737

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 11.437 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

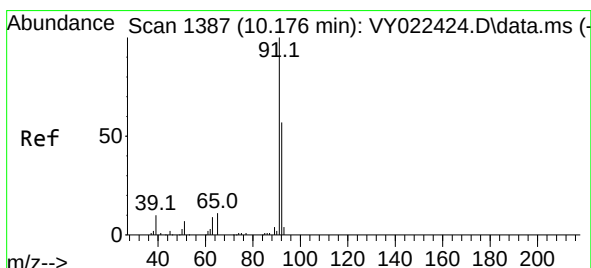
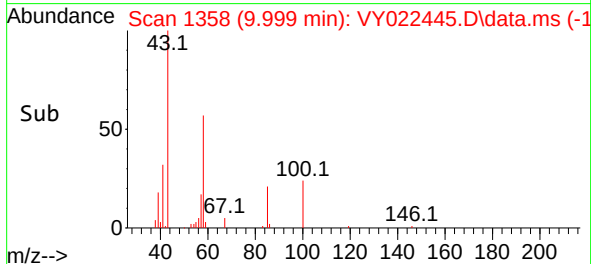
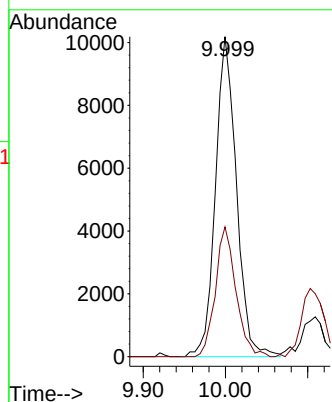
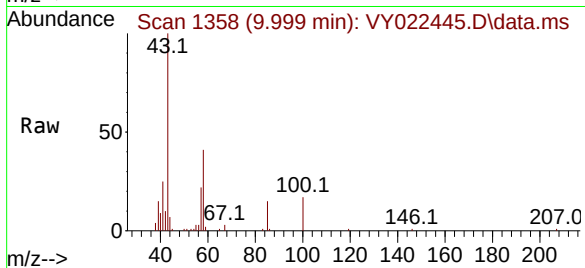
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 43 Resp: 18051

Ion Ratio Lower Upper

43 100

58 39.7 31.2 46.8



#52

Toluene

Concen: 2.339 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. -0.006 min

Lab File: VY022445.D

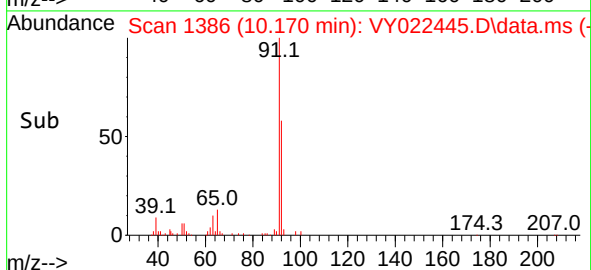
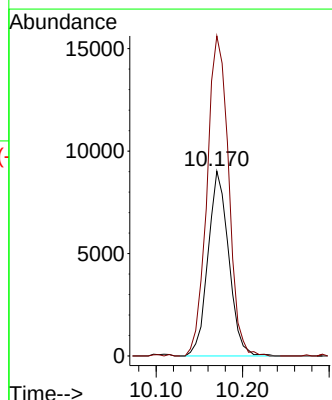
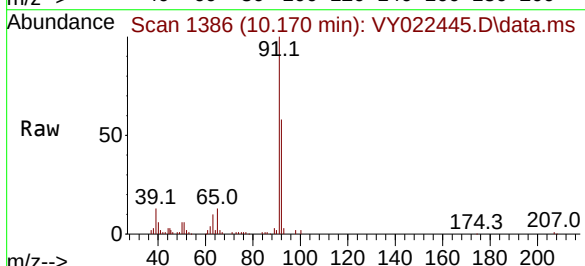
Acq: 28 May 2025 12:03

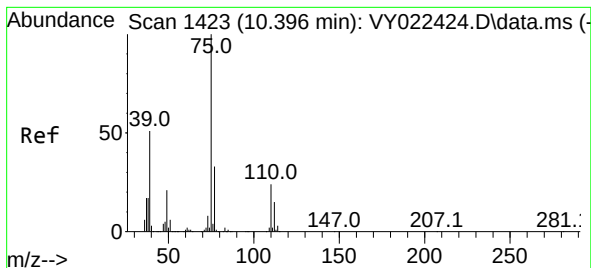
Tgt Ion: 92 Resp: 14977

Ion Ratio Lower Upper

92 100

91 180.4 139.8 209.6

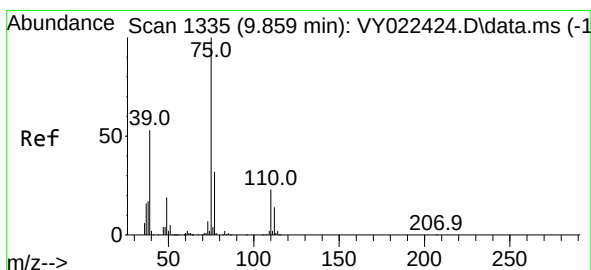
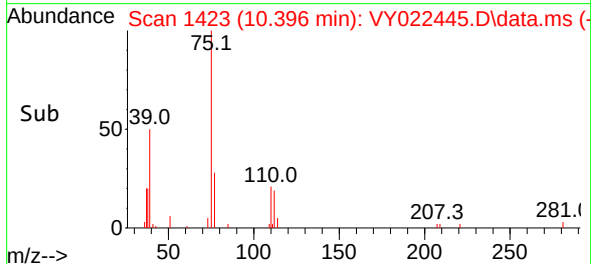
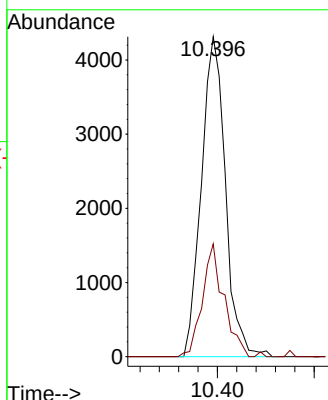
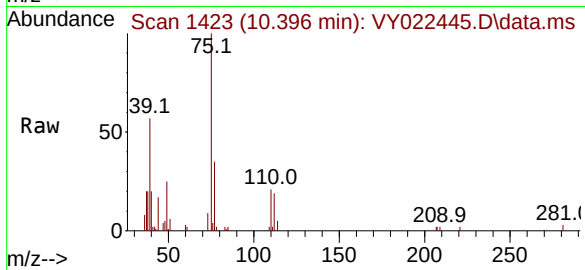




#53
 t-1,3-Dichloropropene
 Concen: 2.312 ug/l
 RT: 10.396 min Scan# 1423
 Delta R.T. 0.000 min
 Lab File: VY022445.D
 Acq: 28 May 2025 12:03

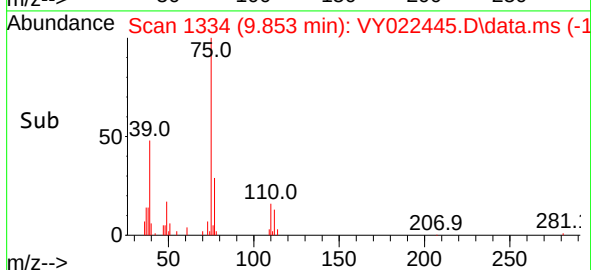
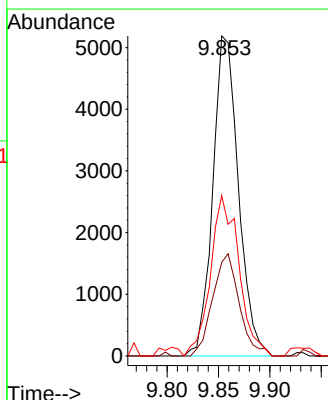
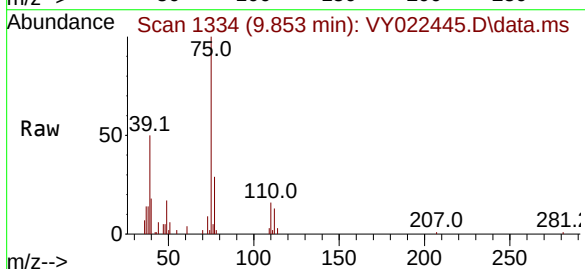
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

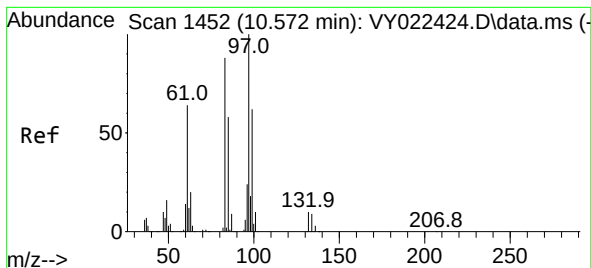
Tgt Ion: 75 Resp: 7451
 Ion Ratio Lower Upper
 75 100
 77 35.3 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 2.373 ug/l
 RT: 9.853 min Scan# 1334
 Delta R.T. -0.006 min
 Lab File: VY022445.D
 Acq: 28 May 2025 12:03

Tgt Ion: 75 Resp: 8984
 Ion Ratio Lower Upper
 75 100
 77 29.2 25.4 38.2
 39 50.1 42.5 63.7





#55

1,1,2-Trichloroethane

Concen: 2.496 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY022445.D

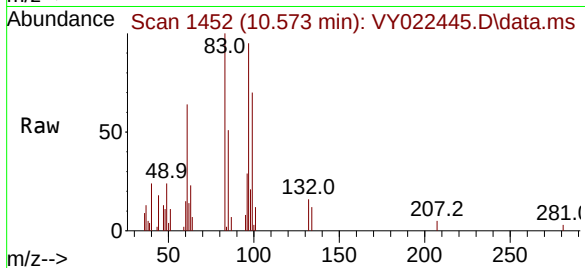
Acq: 28 May 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



Tgt Ion: 97 Resp: 4246

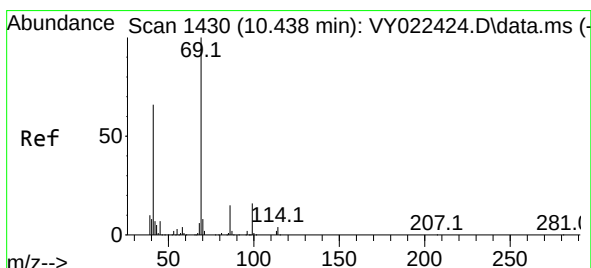
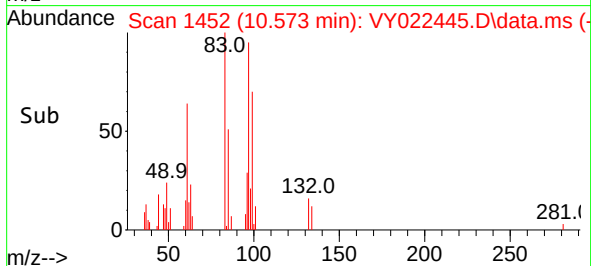
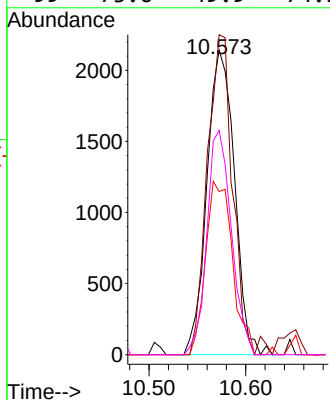
Ion Ratio Lower Upper

97 100

83 105.0 70.2 105.4

85 53.6 46.1 69.1

99 73.6 49.9 74.9



#56

Ethyl methacrylate

Concen: 2.325 ug/l

RT: 10.445 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

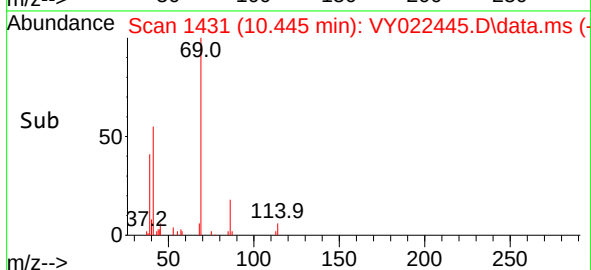
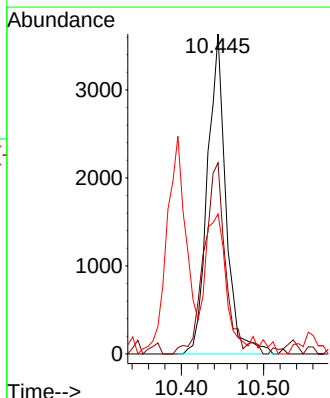
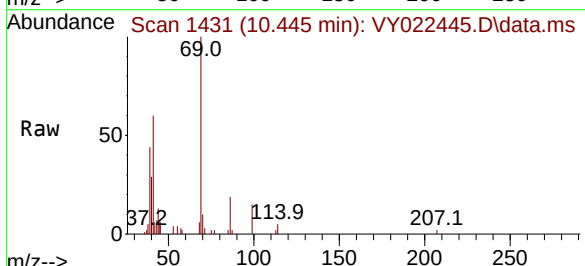
Tgt Ion: 69 Resp: 5676

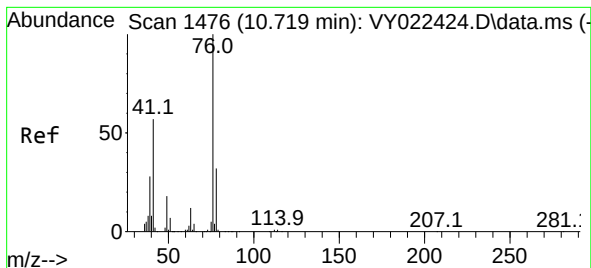
Ion Ratio Lower Upper

69 100

41 69.5 51.2 76.8

39 43.8 35.2 52.8





#57

1,3-Dichloropropane

Concen: 2.518 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

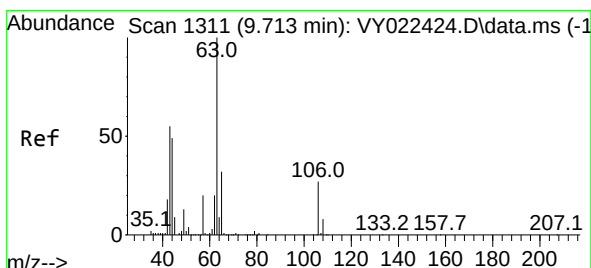
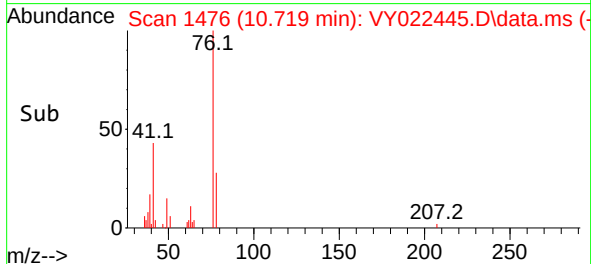
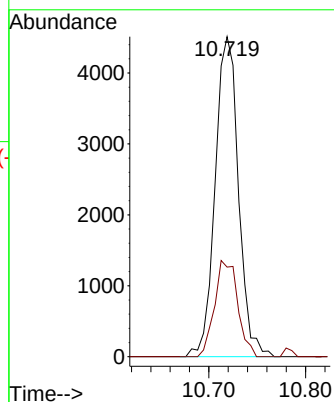
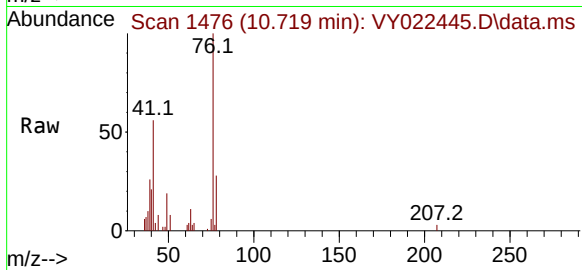
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 76 Resp: 7548

Ion Ratio Lower Upper

76 100

78 29.8 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 11.802 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY022445.D

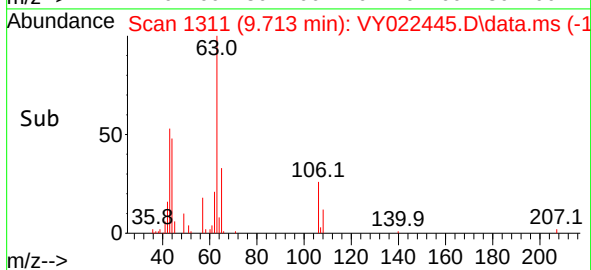
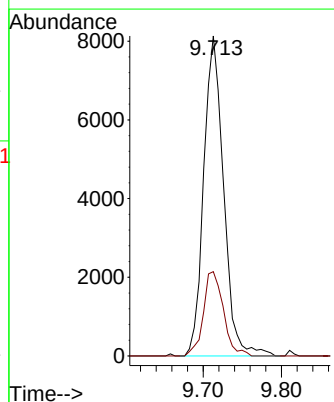
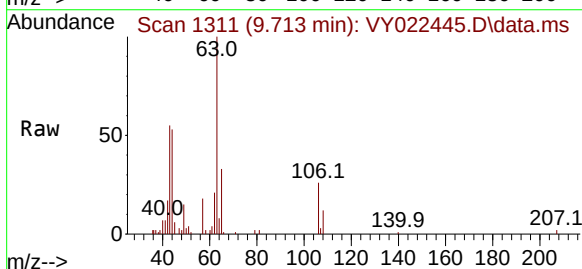
Acq: 28 May 2025 12:03

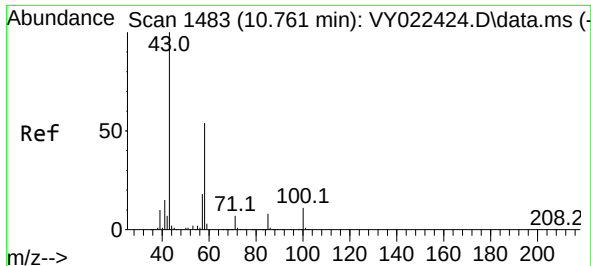
Tgt Ion: 63 Resp: 14357

Ion Ratio Lower Upper

63 100

106 26.5 22.2 33.2

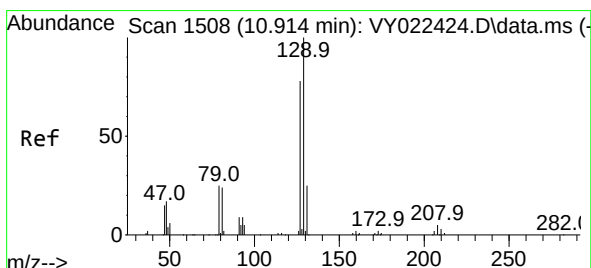
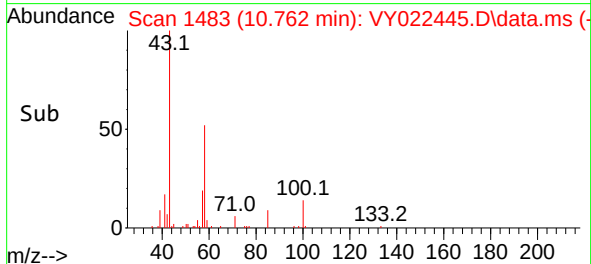
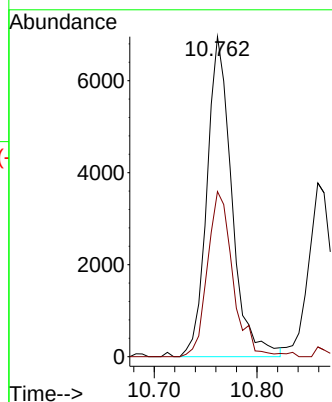
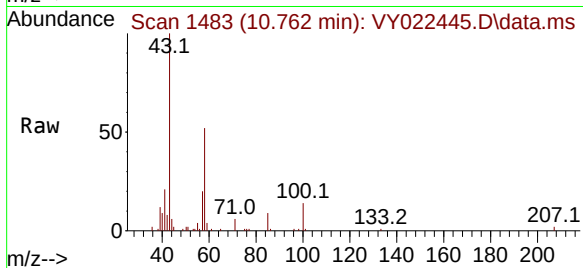




#59
2-Hexanone
Concen: 11.293 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

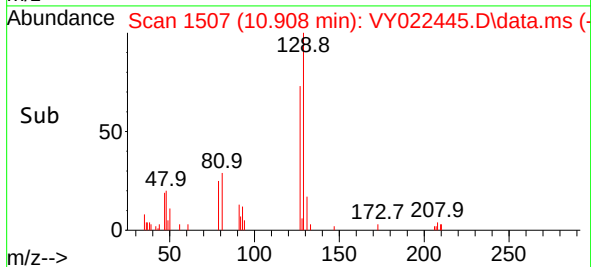
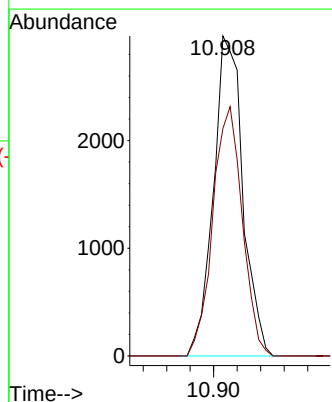
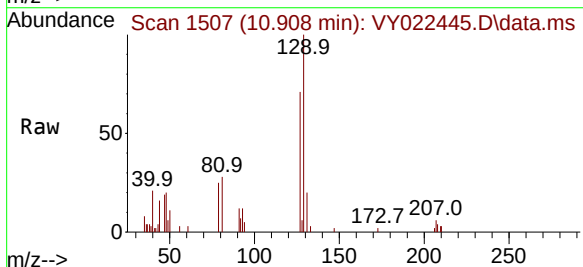
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

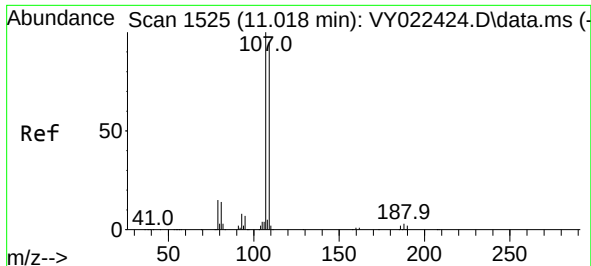
Tgt Ion: 43 Resp: 11681
Ion Ratio Lower Upper
43 100
58 52.5 27.1 81.2



#60
Dibromochloromethane
Concen: 2.375 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.006 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion: 129 Resp: 5161
Ion Ratio Lower Upper
129 100
127 78.1 38.3 114.8

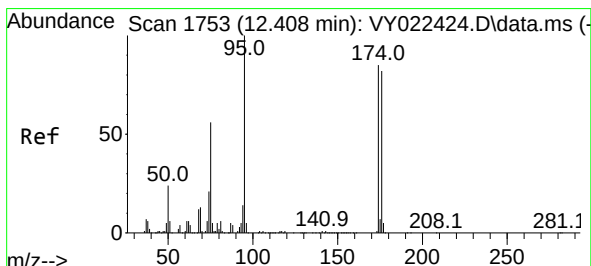
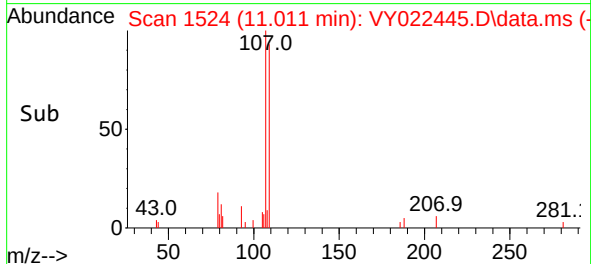
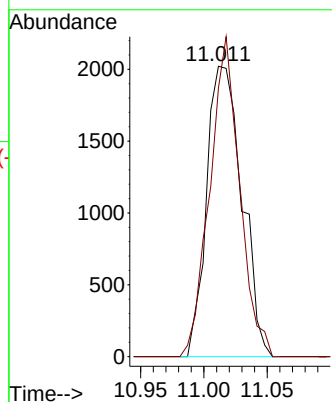
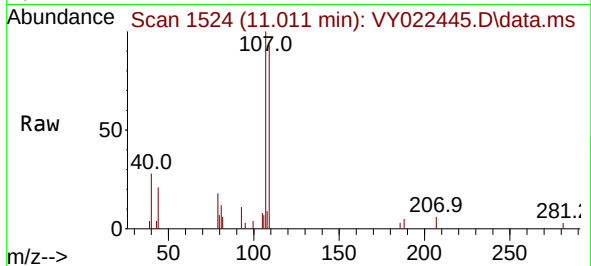




#61
1,2-Dibromoethane
Concen: 2.527 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. -0.006 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

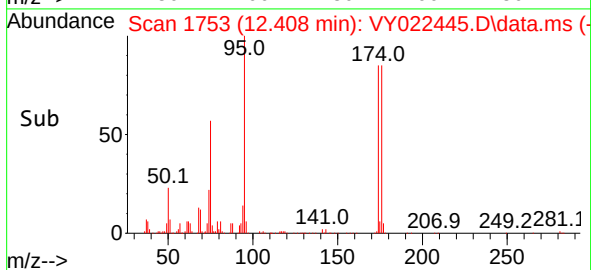
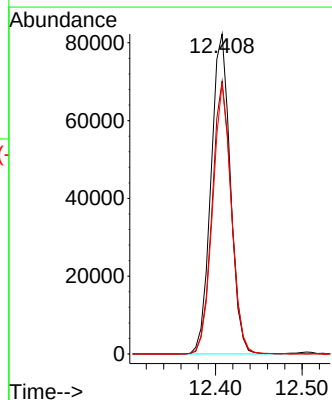
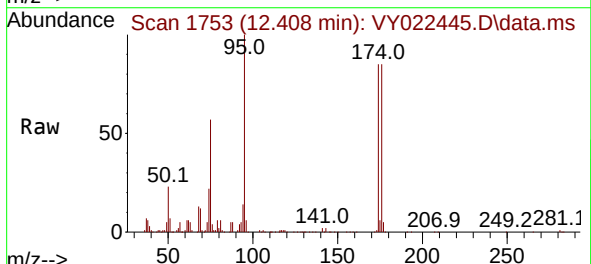
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

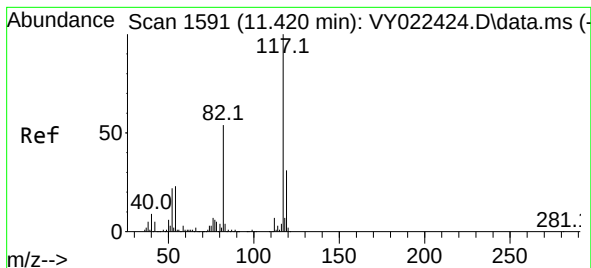
Tgt Ion:107 Resp: 3932
Ion Ratio Lower Upper
107 100
109 93.3 74.0 111.0



#62
4-Bromofluorobenzene
Concen: 47.528 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion: 95 Resp: 127222
Ion Ratio Lower Upper
95 100
174 84.7 0.0 171.6
176 82.1 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022445.D

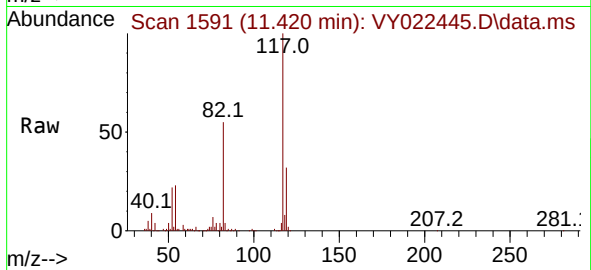
Acq: 28 May 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



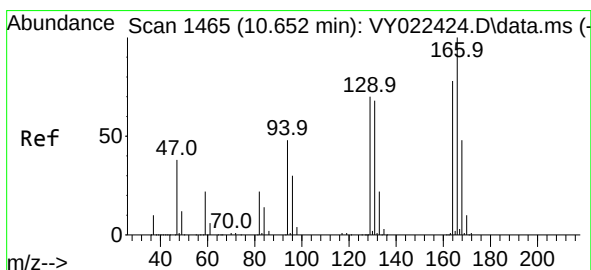
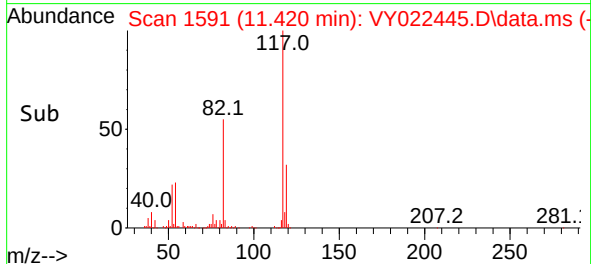
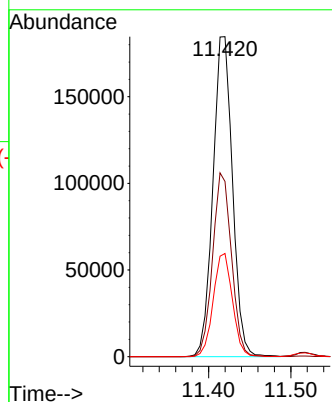
Tgt Ion:117 Resp: 305181

Ion Ratio Lower Upper

117 100

82 54.7 43.3 64.9

119 32.2 24.5 36.7



#64

Tetrachloroethene

Concen: 2.469 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

Tgt Ion:164 Resp: 6418

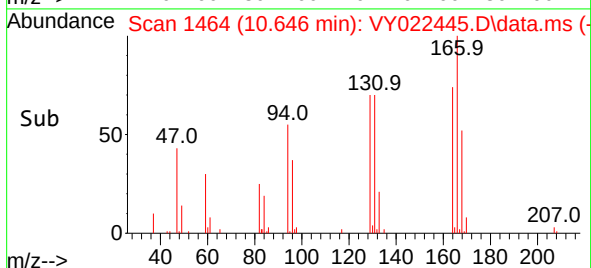
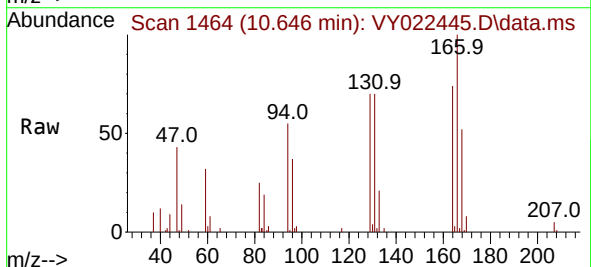
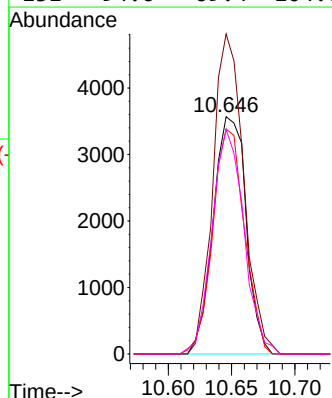
Ion Ratio Lower Upper

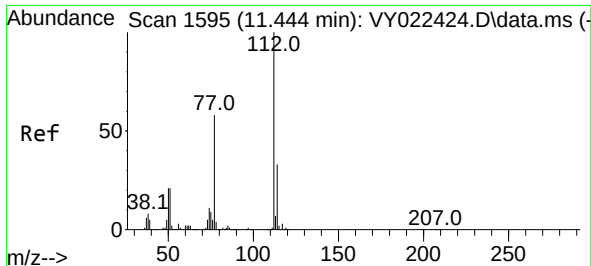
164 100

166 134.9 102.0 153.0

129 94.8 71.3 106.9

131 94.6 69.4 104.0

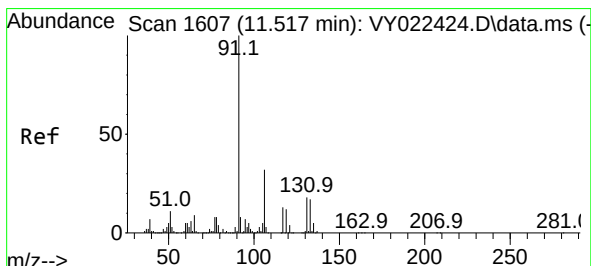
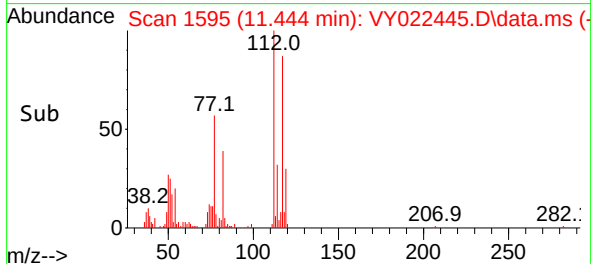
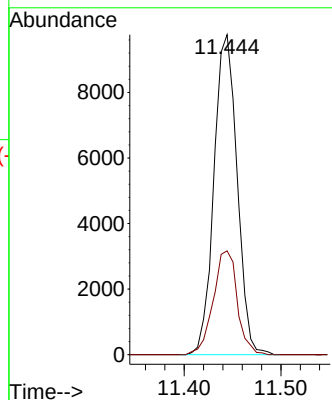
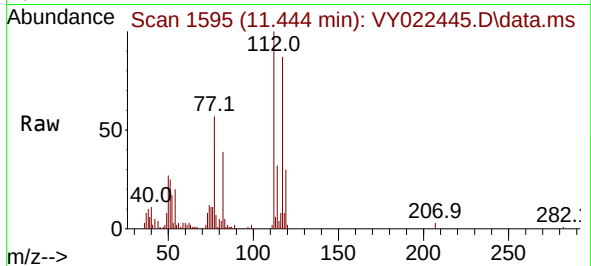




#65
Chlorobenzene
Concen: 2.492 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

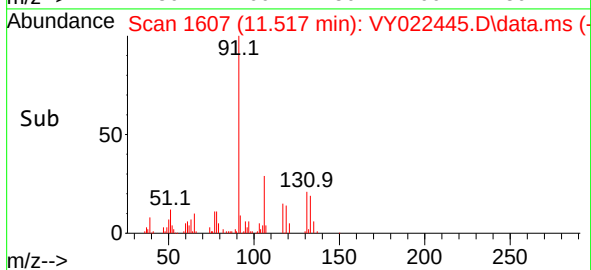
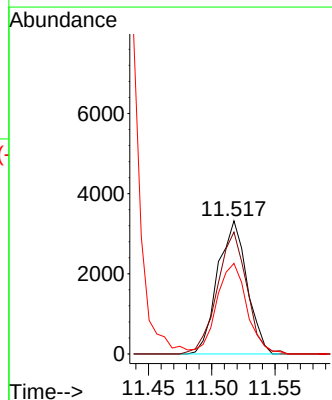
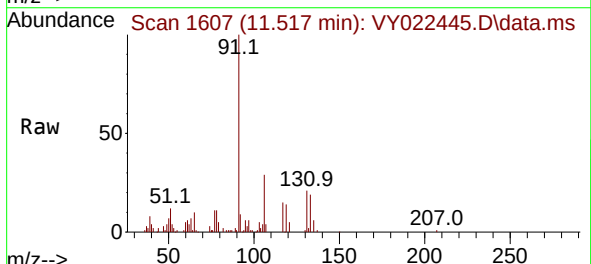
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

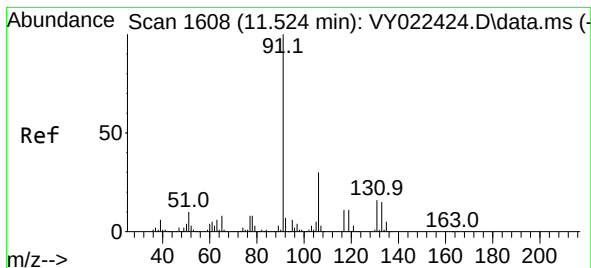
Tgt Ion:112 Resp: 16217
Ion Ratio Lower Upper
112 100
114 32.5 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 2.432 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion:131 Resp: 5361
Ion Ratio Lower Upper
131 100
133 92.3 46.6 139.8
119 70.1 33.3 99.8





#67

Ethyl Benzene

Concen: 2.254 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. 0.000 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

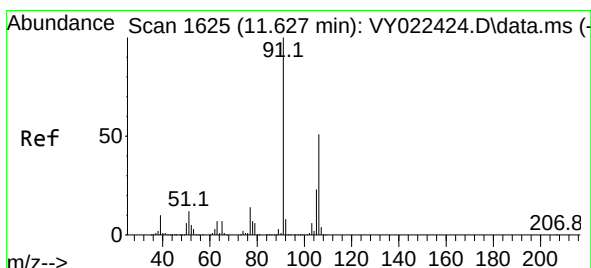
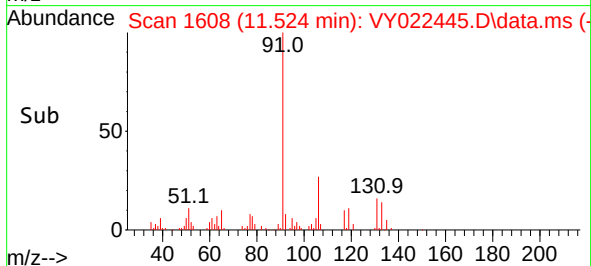
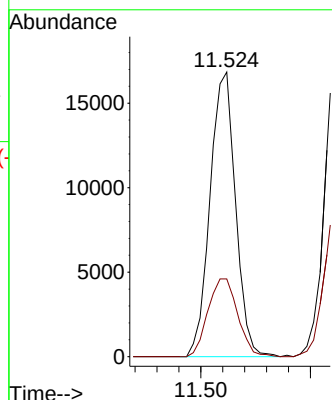
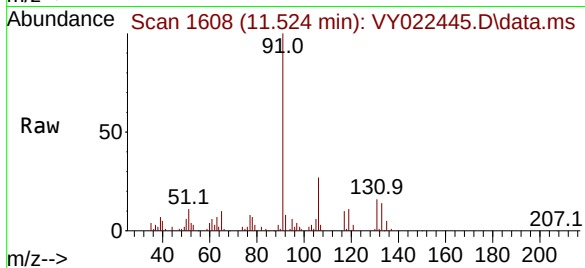
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 91 Resp: 27230

Ion Ratio Lower Upper

91 100

106 27.3 24.4 36.6



#68

m/p-Xylenes

Concen: 4.796 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY022445.D

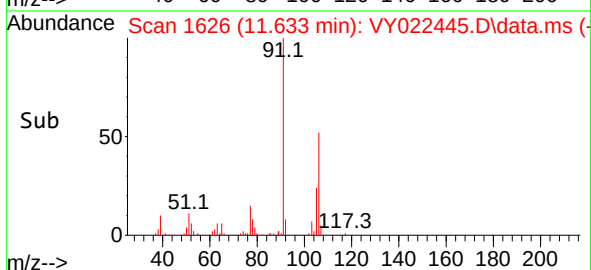
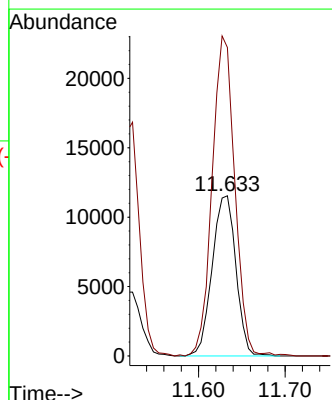
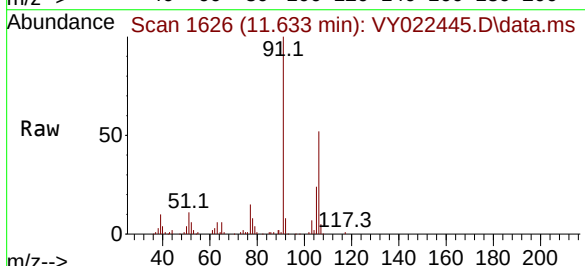
Acq: 28 May 2025 12:03

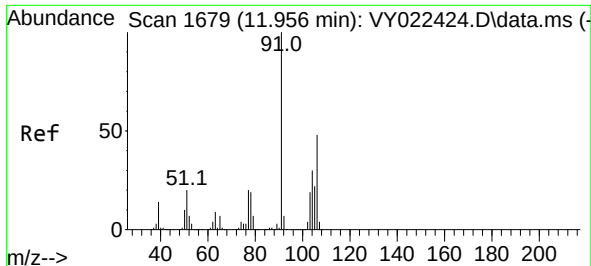
Tgt Ion: 106 Resp: 21969

Ion Ratio Lower Upper

106 100

91 190.7 159.8 239.8

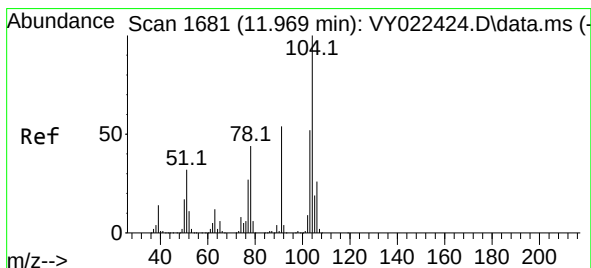
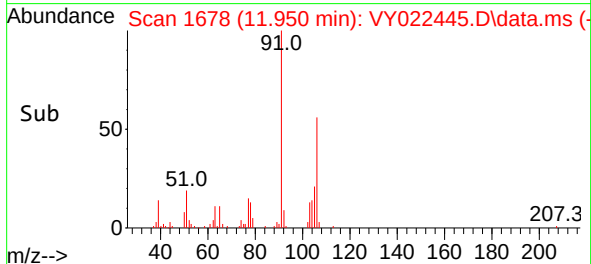
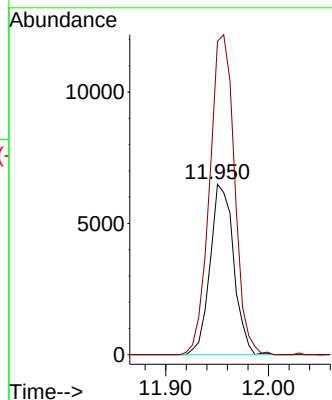
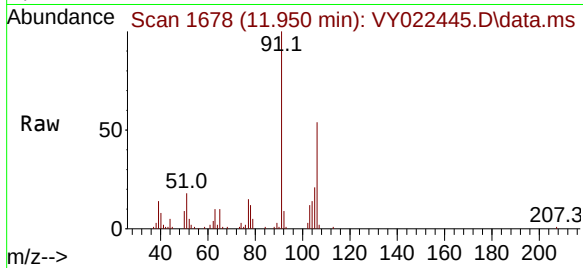




#69
o-Xylene
Concen: 2.403 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

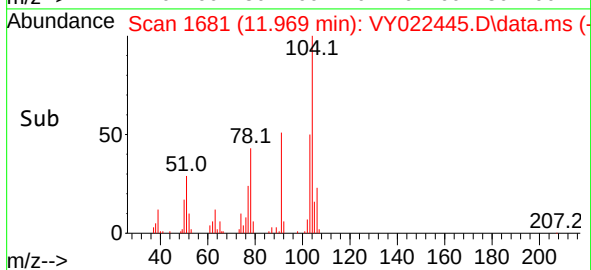
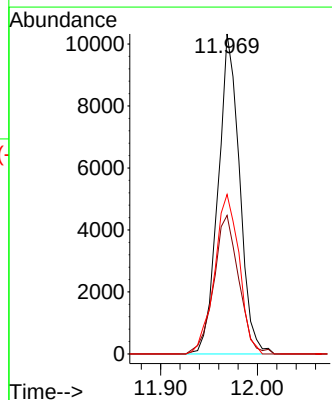
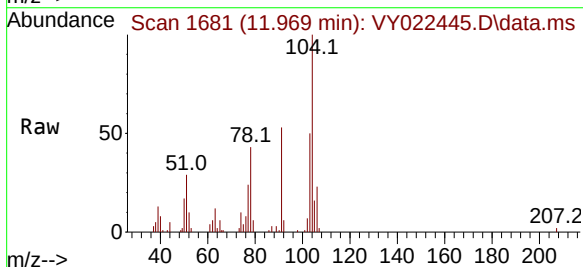
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

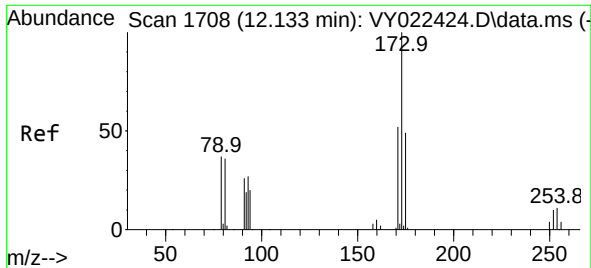
Tgt Ion:106 Resp: 10348
Ion Ratio Lower Upper
106 100
91 198.4 106.3 318.9



#70
Styrene
Concen: 2.219 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion:104 Resp: 15910
Ion Ratio Lower Upper
104 100
78 50.3 38.8 58.2
103 57.1 43.4 65.2

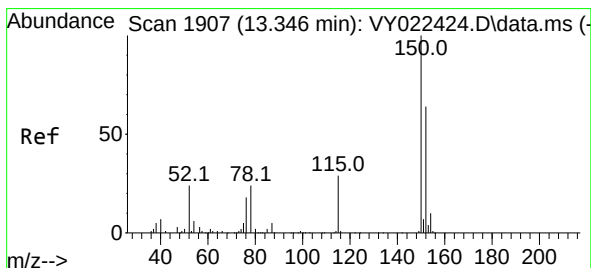
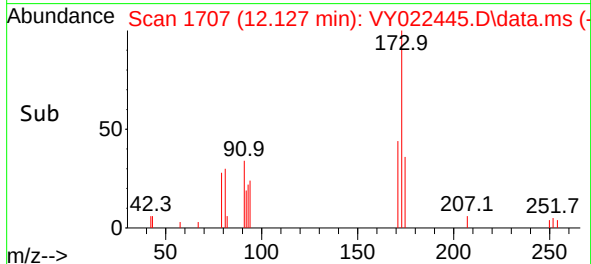
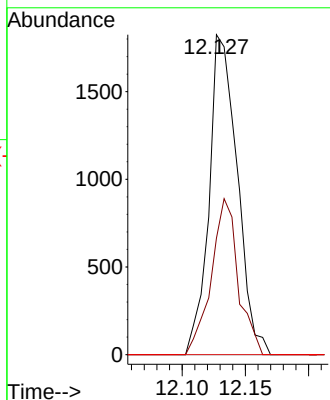
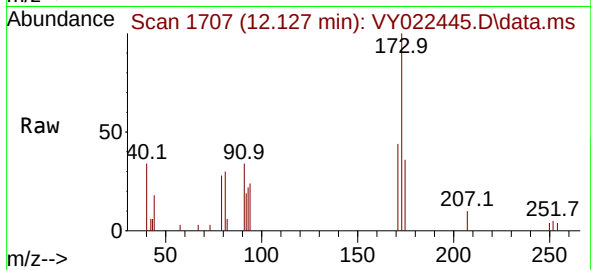




#71
Bromoform
Concen: 2.451 ug/l
RT: 12.127 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

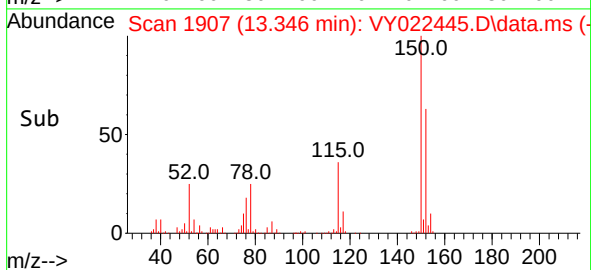
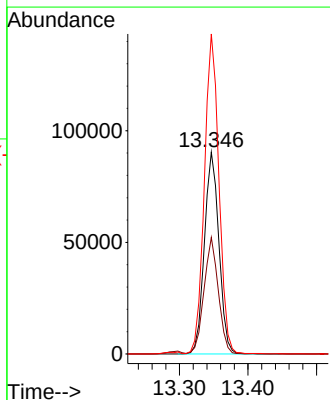
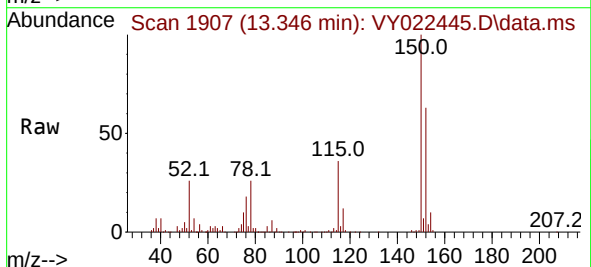
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

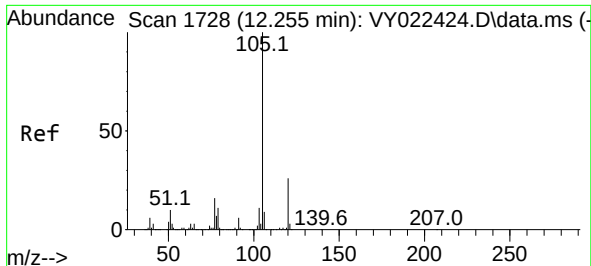
Tgt Ion:173 Resp: 2831
Ion Ratio Lower Upper
173 100
175 46.5 24.3 73.0
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion:152 Resp: 133378
Ion Ratio Lower Upper
152 100
115 57.1 28.4 85.3
150 158.3 0.0 345.8

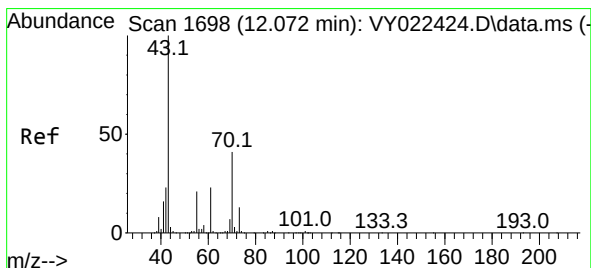
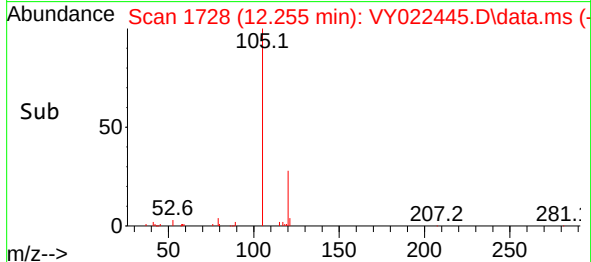
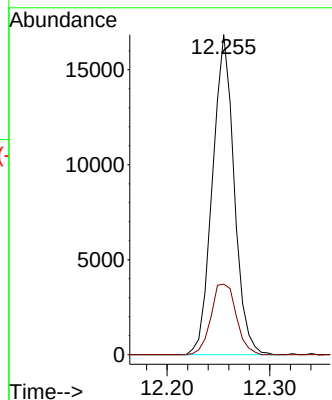
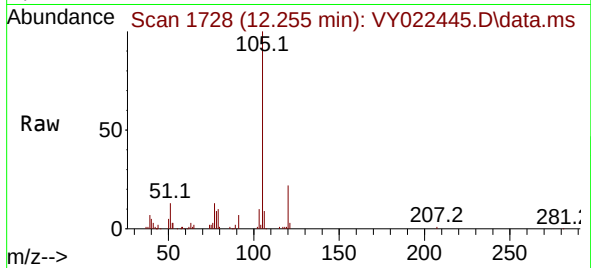




#73
Isopropylbenzene
Concen: 2.345 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

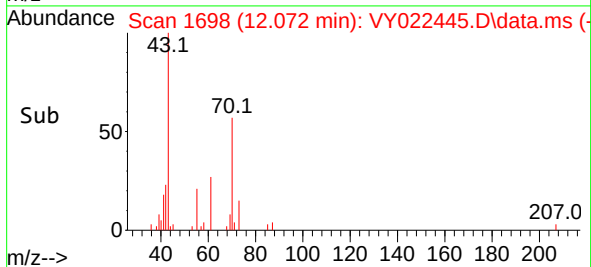
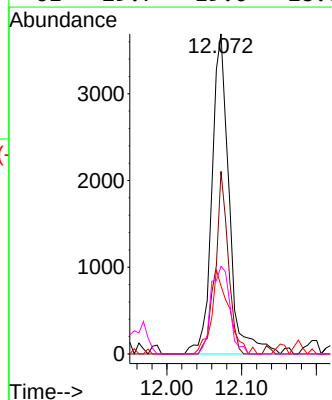
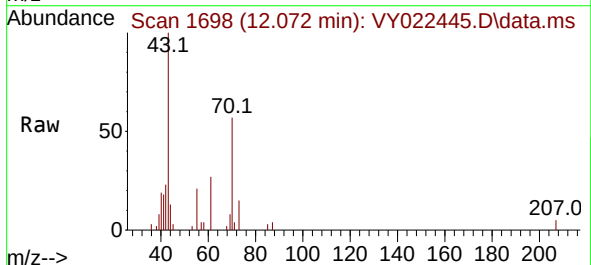
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

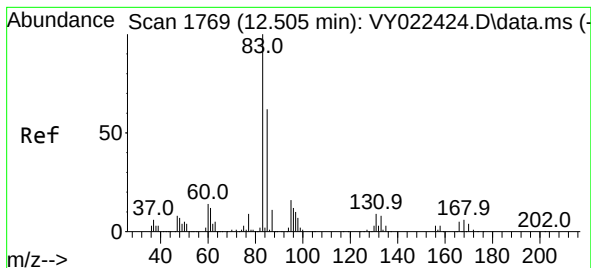
Tgt Ion:105 Resp: 24615
Ion Ratio Lower Upper
105 100
120 25.8 13.2 39.5



#74
N-ethyl acetate
Concen: 2.309 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion: 43 Resp: 5930
Ion Ratio Lower Upper
43 100
70 42.4 33.0 49.4
55 26.6 17.5 26.3#
61 29.7 19.0 28.6#





#75

1,1,2-Tetrachloroethane

Concen: 2.683 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

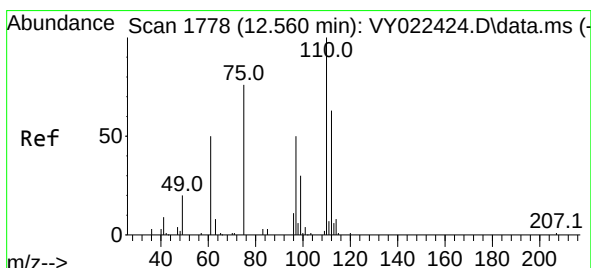
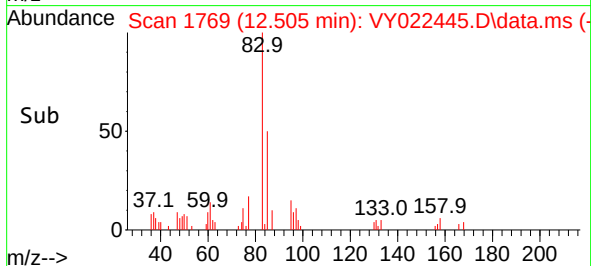
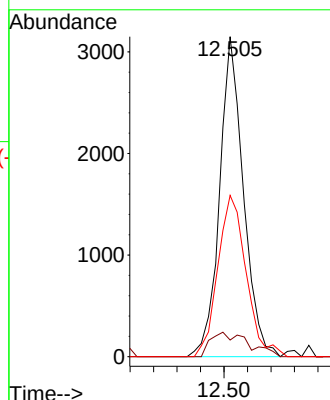
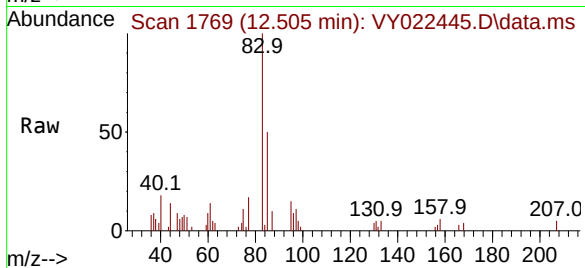
Tgt Ion: 83 Resp: 4437

Ion Ratio Lower Upper

83 100

131 12.1 4.8 14.4

85 59.8 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 4.788 ug/l

RT: 12.560 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VY022445.D

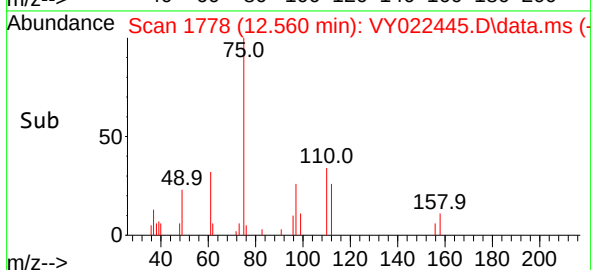
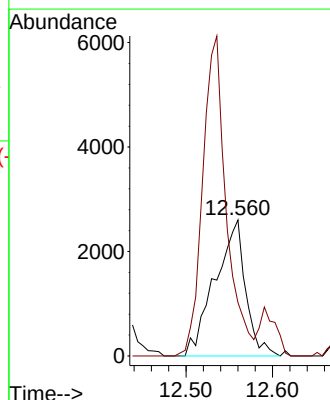
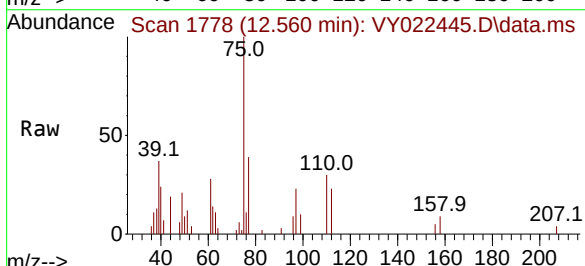
Acq: 28 May 2025 12:03

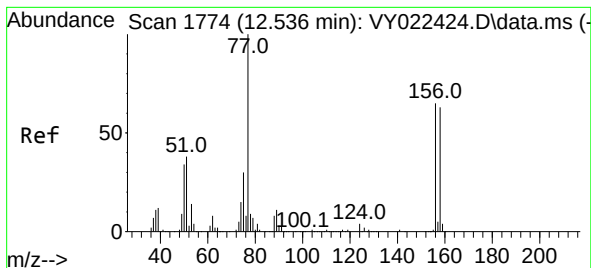
Tgt Ion: 75 Resp: 6397

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 2.560 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. -0.006 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

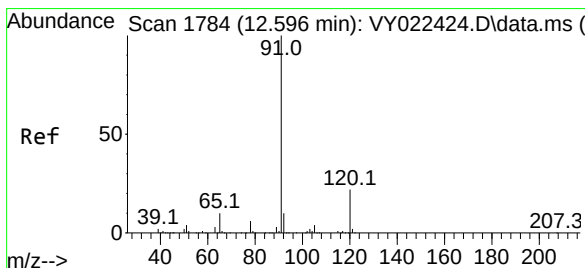
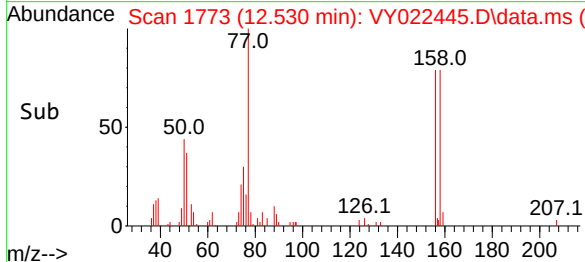
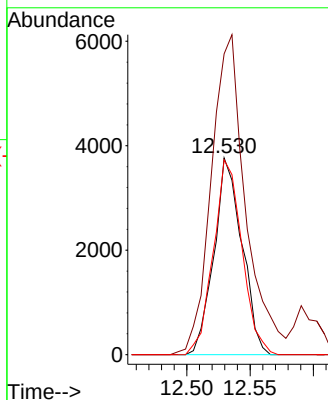
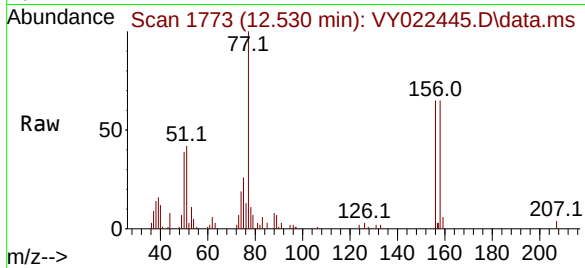
Tgt Ion:156 Resp: 5784

Ion Ratio Lower Upper

156 100

77 200.0 91.4 274.2

158 101.4 48.1 144.3



#78

n-propylbenzene

Concen: 2.483 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY022445.D

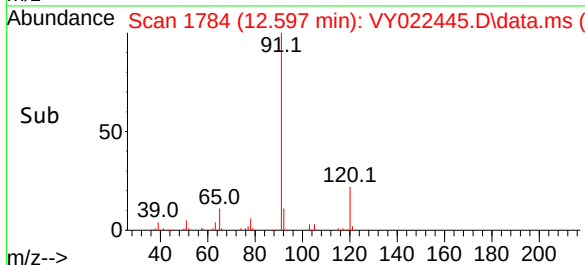
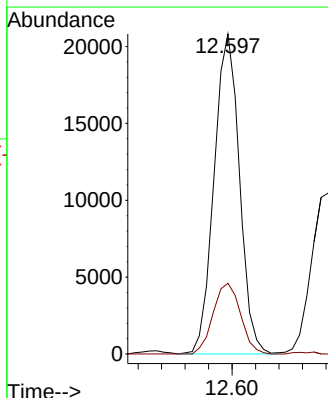
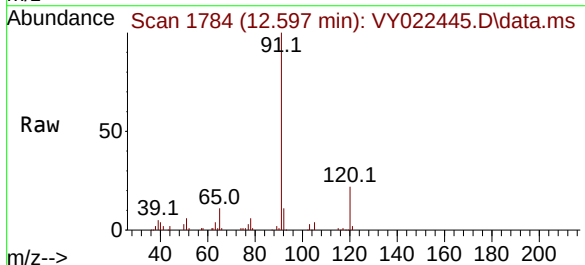
Acq: 28 May 2025 12:03

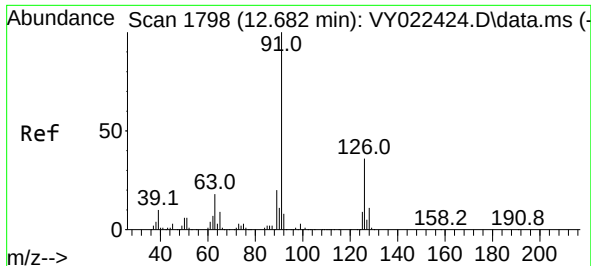
Tgt Ion: 91 Resp: 31274

Ion Ratio Lower Upper

91 100

120 23.7 11.2 33.5





#79

2-Chlorotoluene

Concen: 2.528 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.000 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

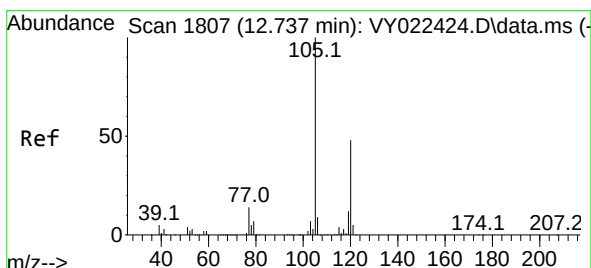
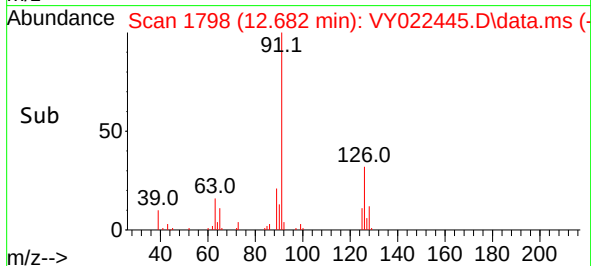
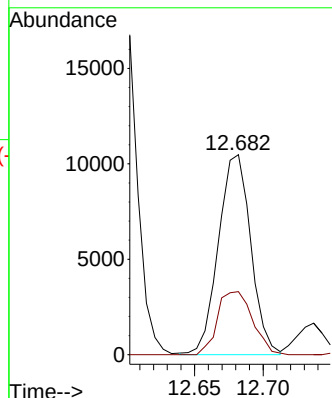
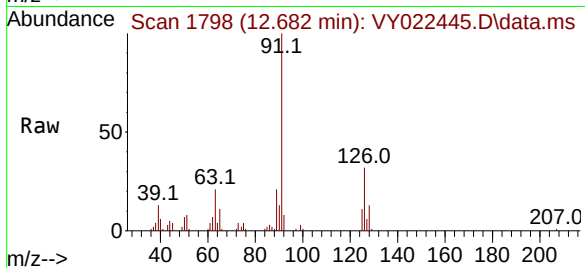
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 91 Resp: 17241

Ion Ratio Lower Upper

91 100

126 34.1 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 2.433 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY022445.D

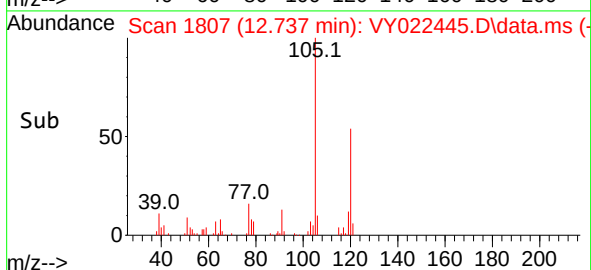
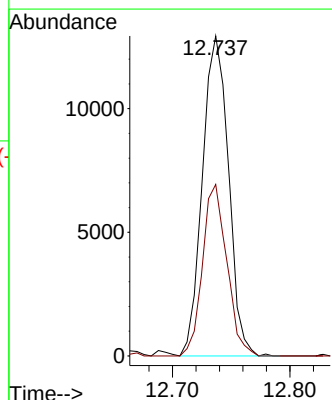
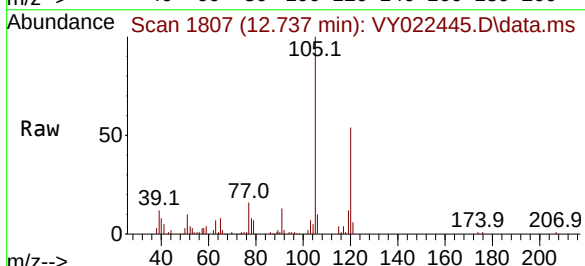
Acq: 28 May 2025 12:03

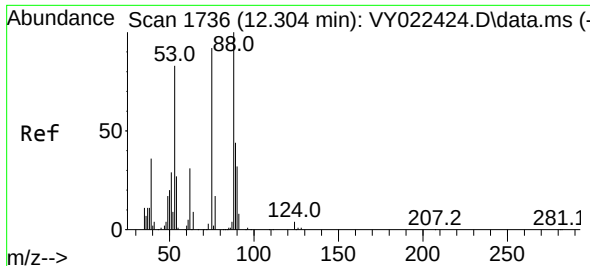
Tgt Ion: 105 Resp: 19956

Ion Ratio Lower Upper

105 100

120 49.9 24.3 73.0

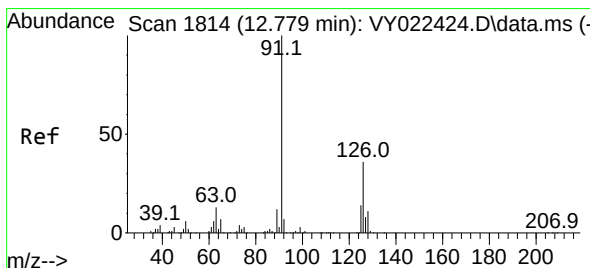
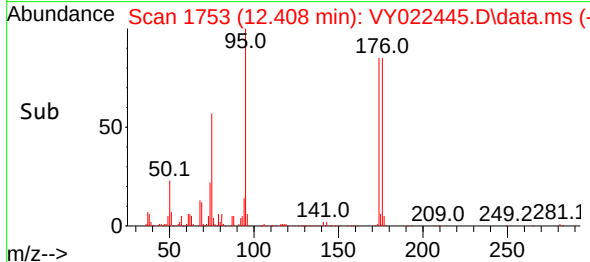
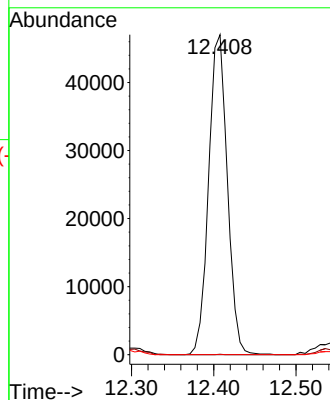
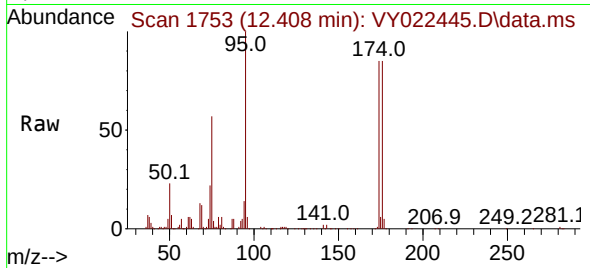




#81
trans-1,4-Dichloro-2-butene
Concen: 125.523 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

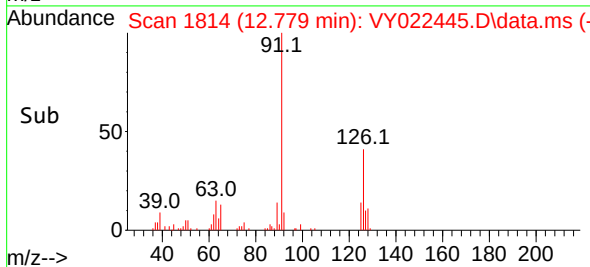
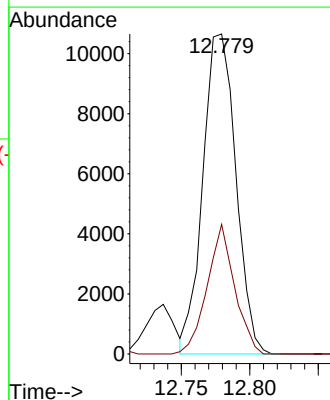
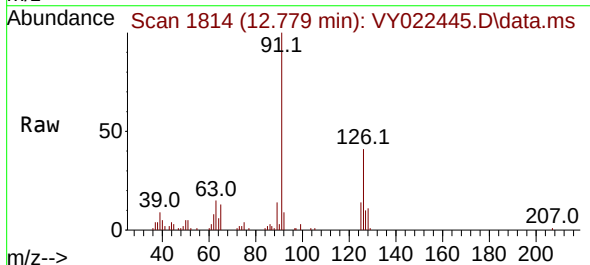
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

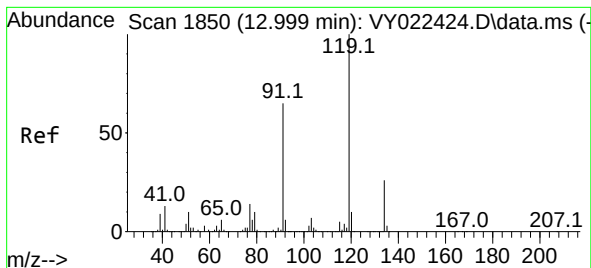
Tgt Ion: 75 Resp: 74155
Ion Ratio Lower Upper
75 100
53 0.0 75.1 112.7#
89 0.0 37.4 56.0#



#82
4-Chlorotoluene
Concen: 2.543 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion: 91 Resp: 17861
Ion Ratio Lower Upper
91 100
126 33.7 17.2 51.6





#83

tert-Butylbenzene

Concen: 2.444 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

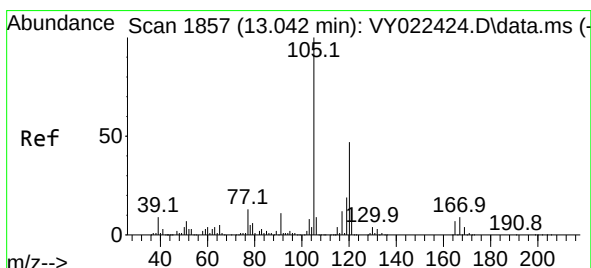
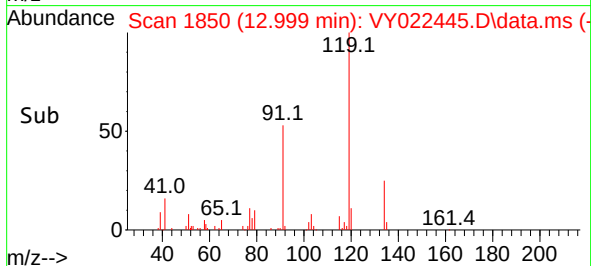
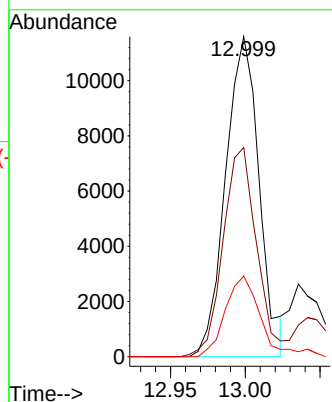
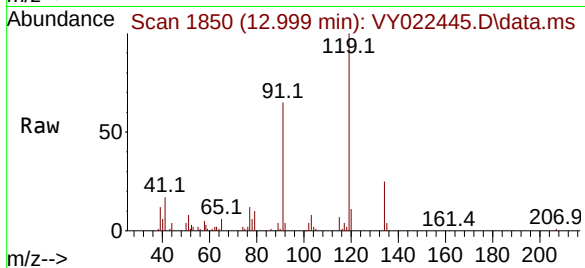
Tgt Ion:119 Resp: 18109

Ion Ratio Lower Upper

119 100

91 64.9 31.8 95.3

134 26.6 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 2.347 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY022445.D

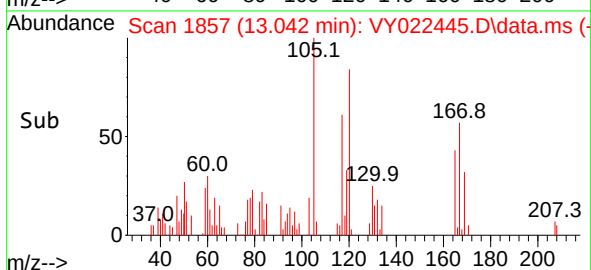
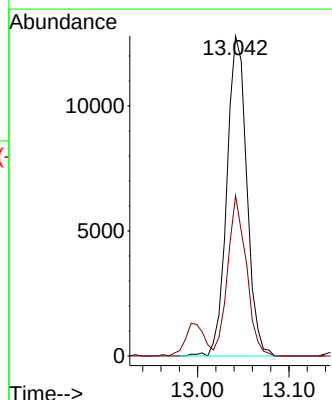
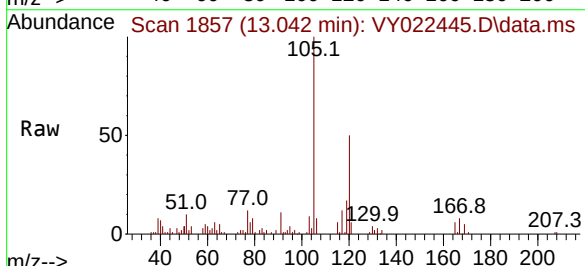
Acq: 28 May 2025 12:03

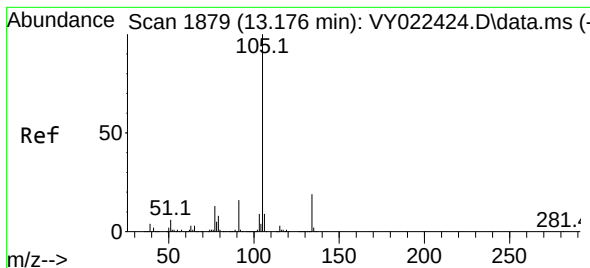
Tgt Ion:105 Resp: 19373

Ion Ratio Lower Upper

105 100

120 46.8 22.9 68.5





#85

sec-Butylbenzene

Concen: 2.344 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

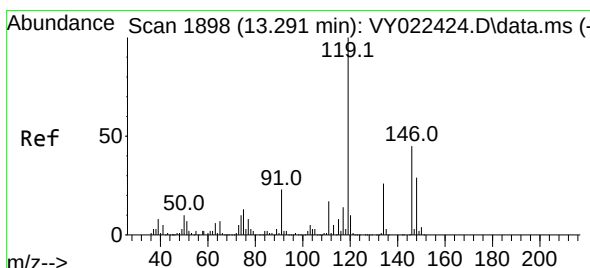
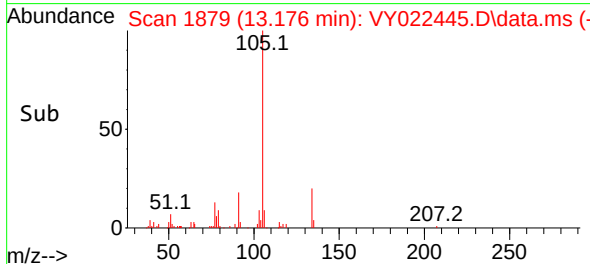
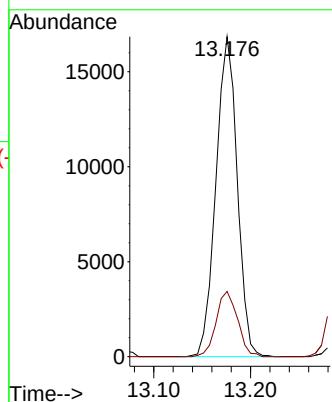
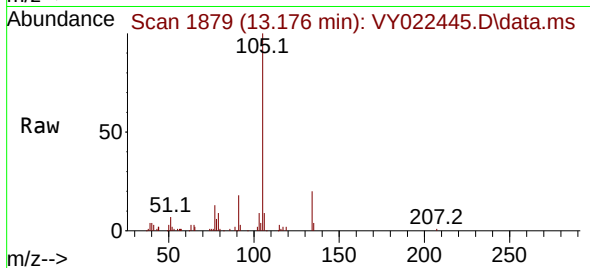
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:105 Resp: 25758

Ion Ratio Lower Upper

105 100

134 20.5 9.7 29.1



#86

p-Isopropyltoluene

Concen: 2.360 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

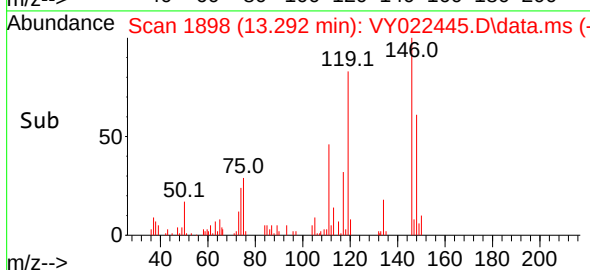
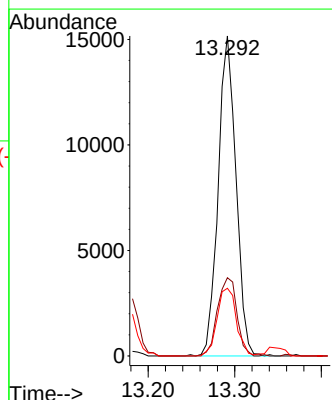
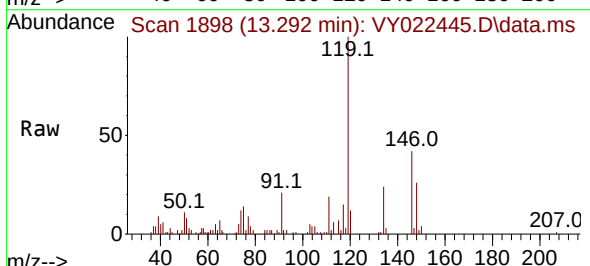
Tgt Ion:119 Resp: 21659

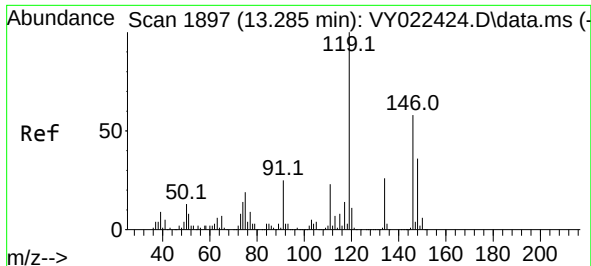
Ion Ratio Lower Upper

119 100

134 26.5 13.0 39.0

91 23.0 11.6 34.8

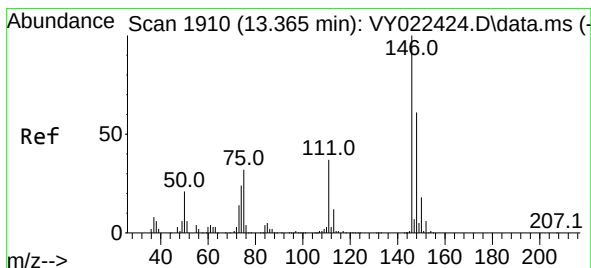
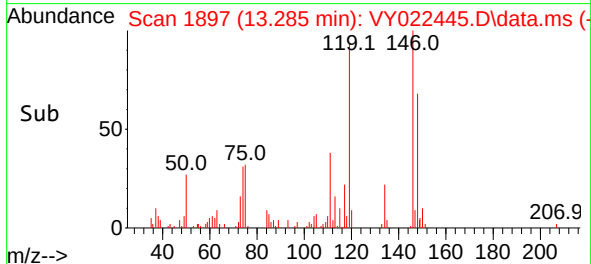
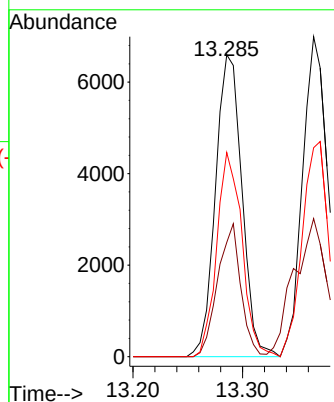
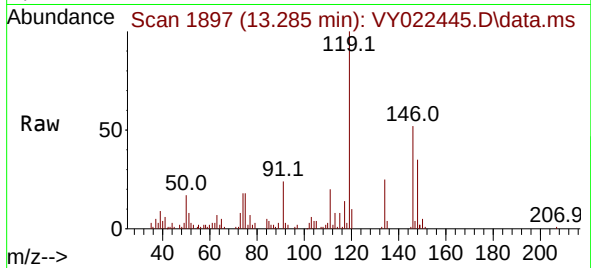




#87
1,3-Dichlorobenzene
Concen: 2.437 ug/l
RT: 13.285 min Scan# 11079
Delta R.T. 0.000 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

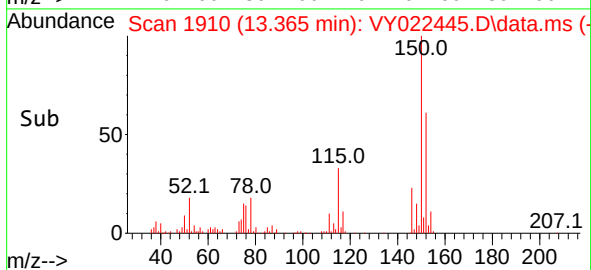
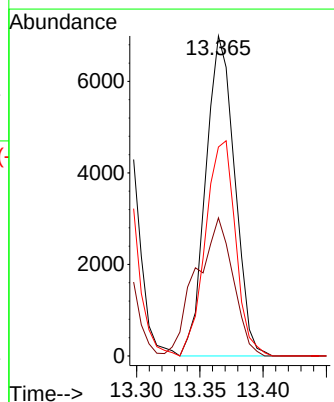
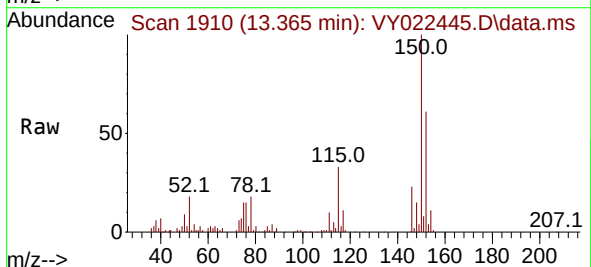
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

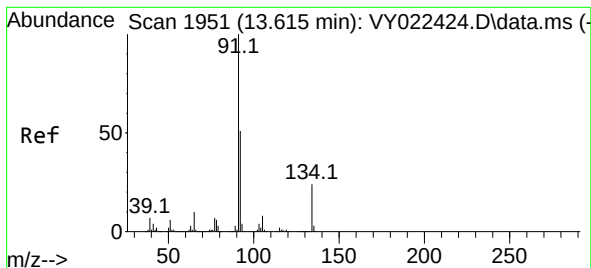
Tgt Ion:	146	Resp:	11079
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.6	58.8
148	64.5	31.7	95.1



#88
1,4-Dichlorobenzene
Concen: 2.562 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion:	146	Resp:	11136
Ion Ratio	Lower	Upper	
146	100		
111	55.0	18.7	56.1
148	70.0	31.4	94.3





#89

n-Butylbenzene

Concen: 2.408 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

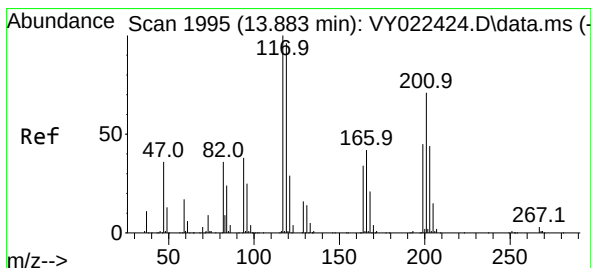
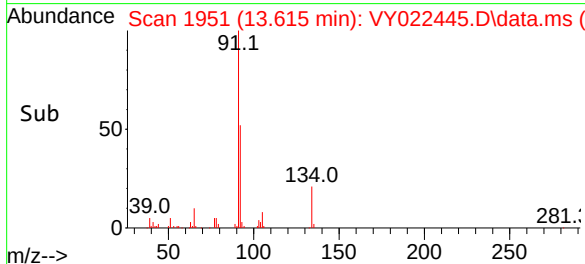
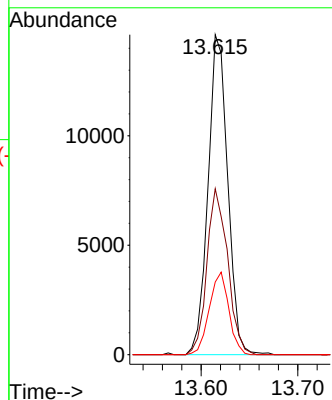
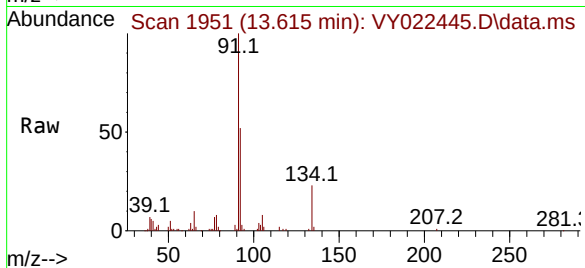
Tgt Ion: 91 Resp: 20720

Ion Ratio Lower Upper

91 100

92 54.6 25.9 77.6

134 25.6 12.4 37.0



#90

Hexachloroethane

Concen: 2.464 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.006 min

Lab File: VY022445.D

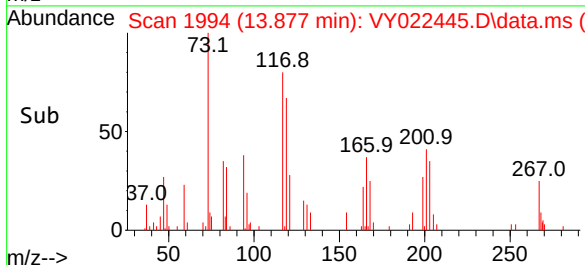
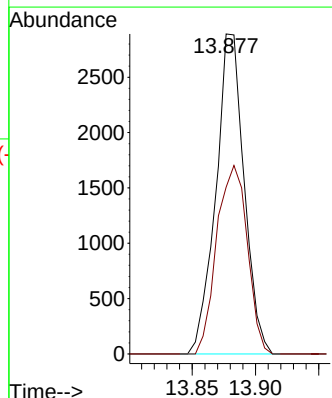
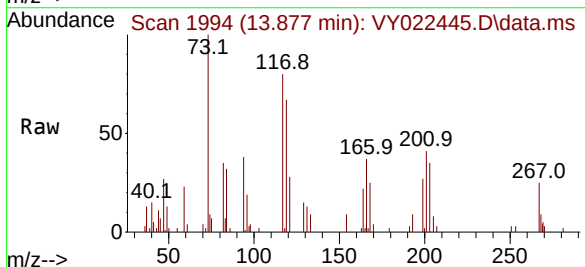
Acq: 28 May 2025 12:03

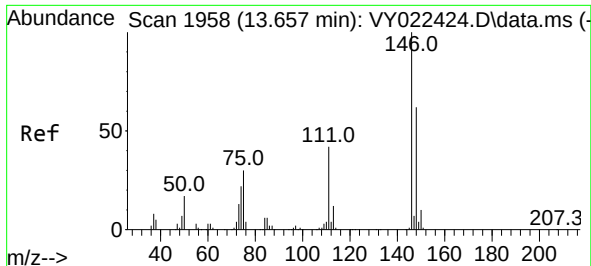
Tgt Ion: 117 Resp: 4500

Ion Ratio Lower Upper

117 100

201 63.5 35.0 105.0

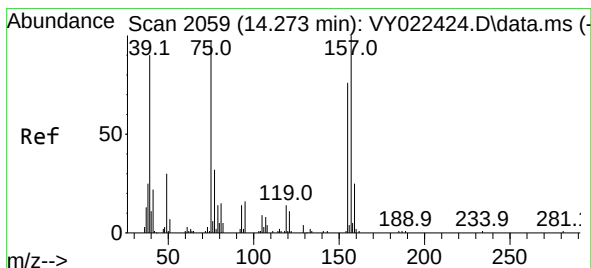
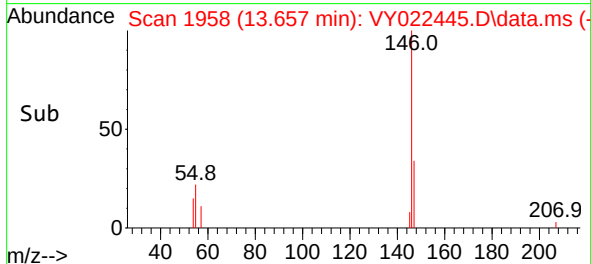
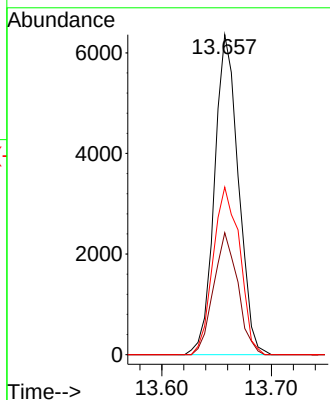
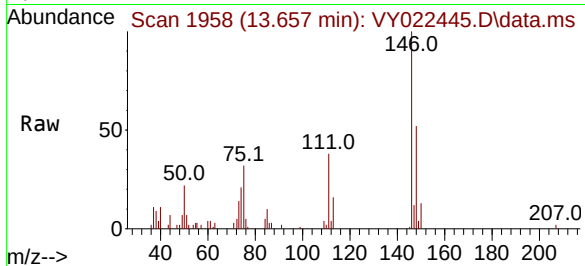




#91
1,2-Dichlorobenzene
Concen: 2.546 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

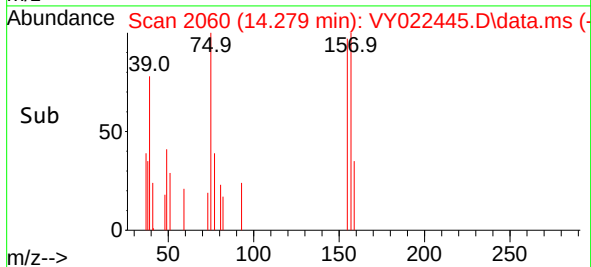
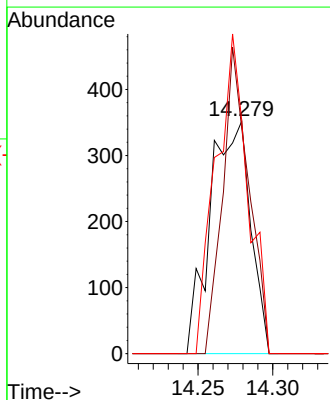
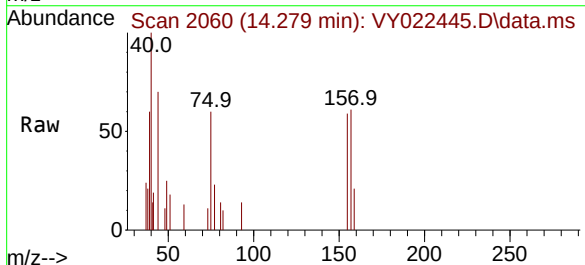
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

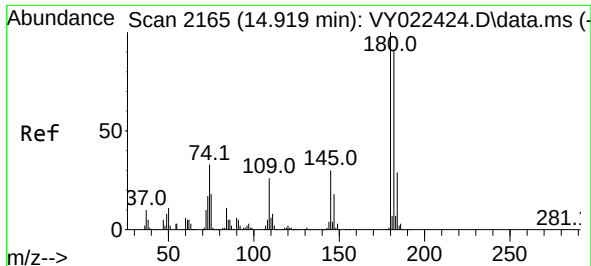
Tgt Ion:146	Resp:	9665
Ion Ratio	Lower	Upper
146	100	
111	38.4	20.5 61.6
148	58.1	31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.582 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion: 75	Resp:	660
Ion Ratio	Lower	Upper
75	100	
155	85.6	42.3 126.8
157	108.6	54.4 163.3

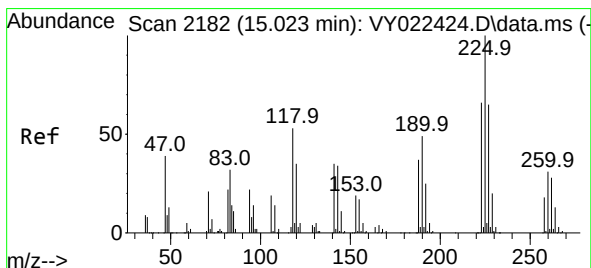
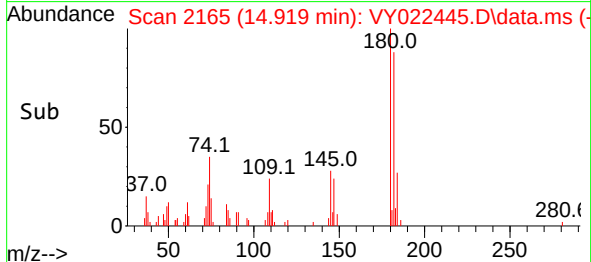
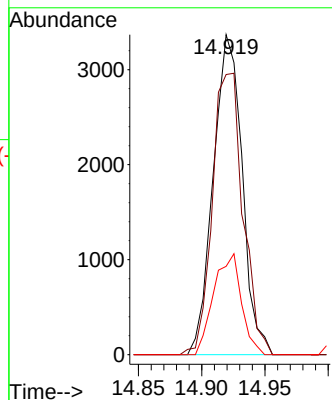
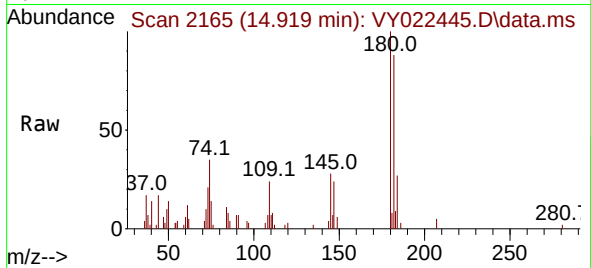




#93
1,2,4-Trichlorobenzene
Concen: 2.544 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

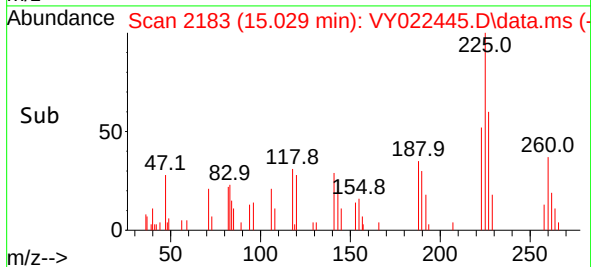
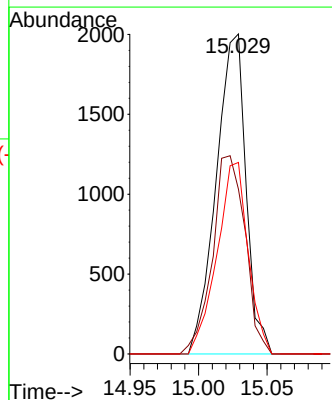
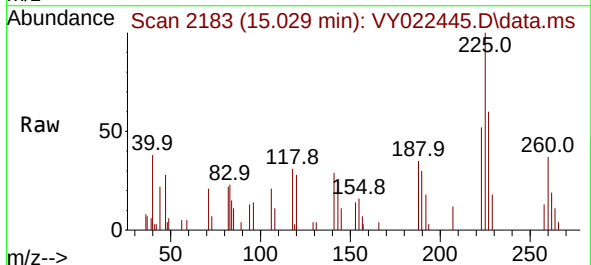
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

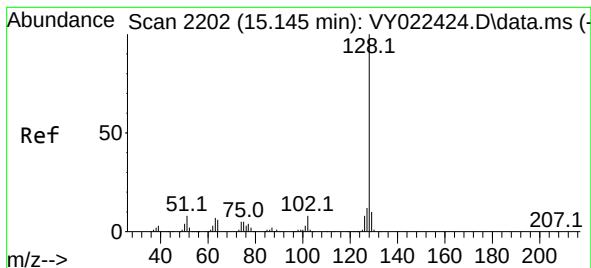
Tgt Ion:180 Resp: 5354
Ion Ratio Lower Upper
180 100
182 93.0 46.2 138.6
145 30.2 14.2 42.8



#94
Hexachlorobutadiene
Concen: 2.750 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY022445.D
Acq: 28 May 2025 12:03

Tgt Ion:225 Resp: 3037
Ion Ratio Lower Upper
225 100
223 67.5 32.6 97.7
227 62.4 33.0 99.0





#95

Naphthalene

Concen: 2.488 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

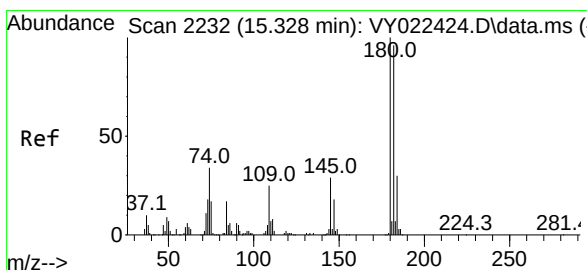
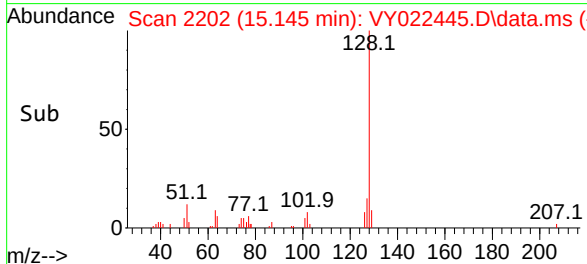
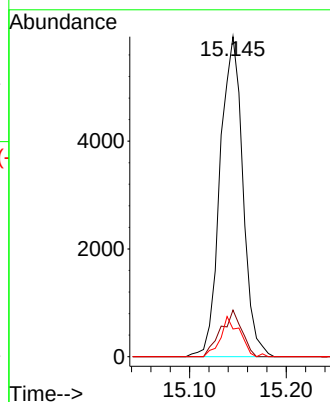
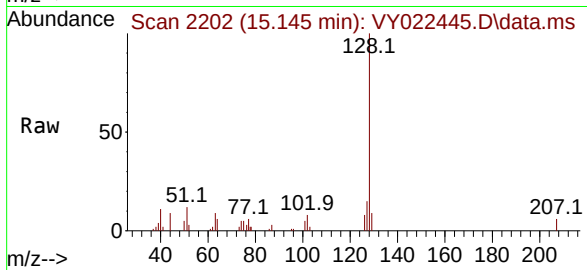
Tgt Ion:128 Resp: 9679

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.4

129 10.7 8.5 12.7



#96

1,2,3-Trichlorobenzene

Concen: 2.670 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY022445.D

Acq: 28 May 2025 12:03

Tgt Ion:180 Resp: 4609

Ion Ratio Lower Upper

180 100

182 88.5 48.1 144.3

145 34.9 14.9 44.5

