

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052825\
 Data File : VY022446.D
 Acq On : 28 May 2025 12:25
 Operator : SY/MD
 Sample : Q2126-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: May 29 01:56:01 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	7.713	168	212002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	367652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	307473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	136413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	119051	53.314	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.620%	
35) Dibromofluoromethane	7.634	113	111806	51.928	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.860%	
50) Toluene-d8	10.109	98	444614	50.656	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.320%	
62) 4-Bromofluorobenzene	12.408	95	125022	47.090	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.180%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	8615	4.259	ug/l	97
3) Chloromethane	2.068	50	27255	5.478	ug/l	96
4) Vinyl Chloride	2.202	62	30424	5.034	ug/l	99
5) Bromomethane	2.592	94	34055	6.200	ug/l	92
6) Chloroethane	2.733	64	21975	5.564	ug/l	96
7) Trichlorofluoromethane	3.050	101	26372	5.171	ug/l	92
8) Diethyl Ether	3.452	74	5344	4.545	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.812	101	8941	3.996	ug/l	96
10) Methyl Iodide	4.007	142	8785	3.481	ug/l	97
11) Tert butyl alcohol	4.891	59	3764	23.914	ug/l #	90
12) 1,1-Dichloroethene	3.787	96	9442	4.251	ug/l	94
13) Acrolein	3.659	56	5466	23.176	ug/l	97
14) Allyl chloride	4.385	41	14326	4.288	ug/l	98
15) Acrylonitrile	5.061	53	10483	22.118	ug/l	97
16) Acetone	3.879	43	8916	24.298	ug/l	96
17) Carbon Disulfide	4.104	76	29131	4.110	ug/l	100
18) Methyl Acetate	4.397	43	7075	5.147	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	26201	4.443	ug/l	96
20) Methylene Chloride	4.616	84	15825	6.107	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	10071	4.153	ug/l	90
22) Diisopropyl ether	6.025	45	31049	4.211	ug/l #	94
23) Vinyl Acetate	5.958	43	88829	20.979	ug/l	99
24) 1,1-Dichloroethane	5.915	63	18639	4.278	ug/l	98
25) 2-Butanone	6.896	43	13198	21.597	ug/l	98
26) 2,2-Dichloropropane	6.878	77	16600	4.207	ug/l	97
27) cis-1,2-Dichloroethene	6.884	96	11718	4.174	ug/l	99
28) Bromochloromethane	7.250	49	8190	4.501	ug/l	100
29) Tetrahydrofuran	7.268	42	9647	23.670	ug/l	99
30) Chloroform	7.421	83	18070	4.209	ug/l	97
31) Cyclohexane	7.701	56	22294	5.190	ug/l #	81
32) 1,1,1-Trichloroethane	7.616	97	16226	4.164	ug/l	99
36) 1,1-Dichloropropene	7.835	75	14513	4.248	ug/l	97
37) Ethyl Acetate	6.994	43	6332	4.361	ug/l #	95
38) Carbon Tetrachloride	7.817	117	13792	3.875	ug/l	96
39) Methylcyclohexane	9.110	83	18385	4.048	ug/l	97
40) Benzene	8.079	78	41895	4.121	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.268	41	6234	7.074	ug/l #	50
42) 1,2-Dichloroethane	8.158	62	11719	4.365	ug/l	99
43) Isopropyl Acetate	8.201	43	13569	4.277	ug/l	99
44) Trichloroethene	8.872	130	10076	4.009	ug/l	89
45) 1,2-Dichloropropane	9.146	63	9863	4.129	ug/l	94
46) Dibromomethane	9.238	93	5721	4.287	ug/l	98
47) Bromodichloromethane	9.427	83	13414	3.909	ug/l	91
48) Methyl methacrylate	9.225	41	6178	4.195	ug/l	94
49) 1,4-Dioxane	9.244	88	1038	70.429	ug/l #	60
51) 4-Methyl-2-Pentanone	10.000	43	31600	20.185	ug/l	99
52) Toluene	10.176	92	24442	3.849	ug/l	96
53) t-1,3-Dichloropropene	10.396	75	12818	4.010	ug/l #	84
54) cis-1,3-Dichloropropene	9.859	75	14744	3.926	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	6747	3.999	ug/l	96
56) Ethyl methacrylate	10.439	69	9630	3.978	ug/l	96
57) 1,3-Dichloropropane	10.713	76	12894	4.337	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.713	63	24946	20.675	ug/l	95
59) 2-Hexanone	10.762	43	21161	20.626	ug/l	100
60) Dibromochloromethane	10.908	129	8500	3.944	ug/l	94
61) 1,2-Dibromoethane	11.018	107	6410	4.154	ug/l	96
64) Tetrachloroethene	10.652	164	10351	3.953	ug/l	88
65) Chlorobenzene	11.444	112	26218	3.999	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.518	131	8320	3.745	ug/l	94
67) Ethyl Benzene	11.518	91	45134	3.708	ug/l	98
68) m/p-Xylenes	11.627	106	33413	7.239	ug/l	95
69) o-Xylene	11.957	106	15681	3.615	ug/l	95
70) Styrene	11.969	104	27004	3.739	ug/l	98
71) Bromoform	12.127	173	4940	4.246	ug/l #	99
73) Isopropylbenzene	12.255	105	41690	3.883	ug/l	99
74) N-amyl acetate	12.072	43	10866	4.136	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	7160	4.233	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	9903	7.248	ug/l #	100
77) Bromobenzene	12.536	156	9312	4.030	ug/l	96
78) n-propylbenzene	12.597	91	51896	4.028	ug/l	100
79) 2-Chlorotoluene	12.682	91	28030	4.019	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	32072	3.823	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.298	75	2370	3.922	ug/l	89
82) 4-Chlorotoluene	12.774	91	28496	3.967	ug/l	97
83) tert-Butylbenzene	12.999	119	29094	3.839	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	32384	3.836	ug/l	99
85) sec-Butylbenzene	13.176	105	43062	3.831	ug/l	98
86) p-Isopropyltoluene	13.292	119	34598	3.686	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	18041	3.881	ug/l	96
88) 1,4-Dichlorobenzene	13.365	146	17631	3.966	ug/l	89
89) n-Butylbenzene	13.615	91	32603	3.705	ug/l	96
90) Hexachloroethane	13.877	117	7579	4.058	ug/l	94
91) 1,2-Dichlorobenzene	13.657	146	15359	3.956	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1232	4.713	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	8544	3.969	ug/l	98
94) Hexachlorobutadiene	15.023	225	4493	3.977	ug/l	99
95) Naphthalene	15.145	128	15007	3.771	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.328	180	7666	4.342	ug/l	93

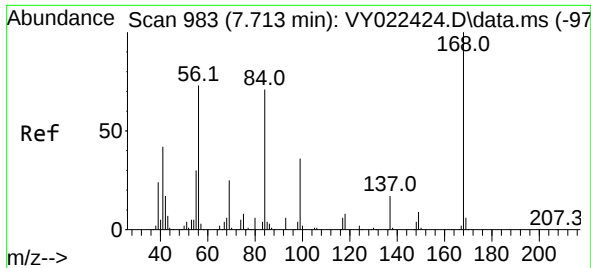
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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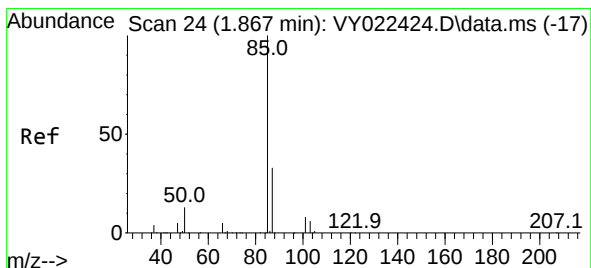
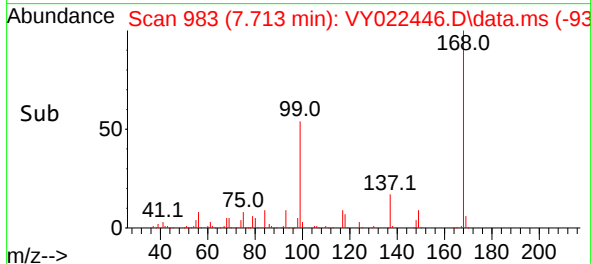
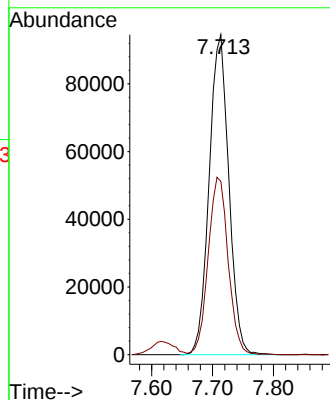
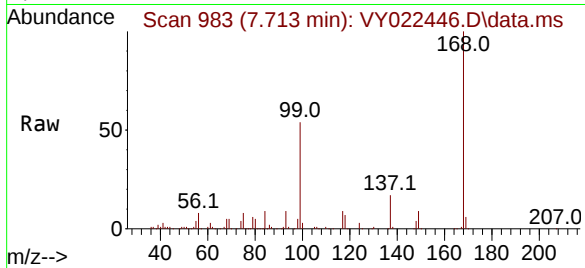
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022446.D
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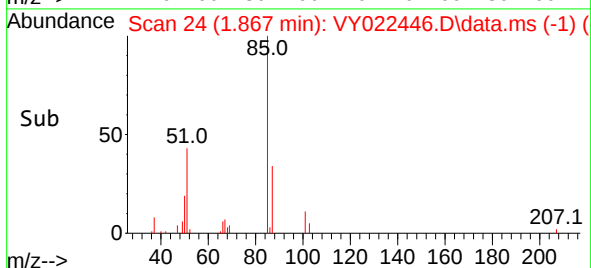
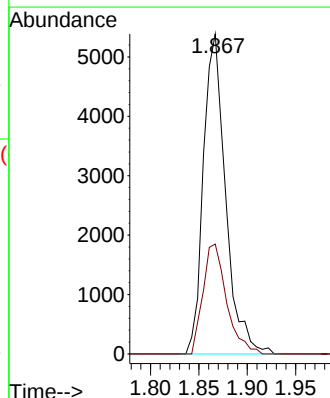
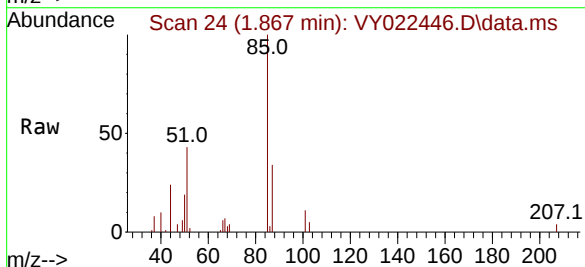
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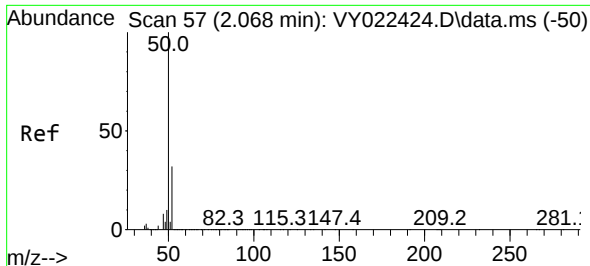
Tgt Ion:168 Resp: 212002
Ion Ratio Lower Upper
168 100
99 54.2 44.7 67.1



#2
Dichlorodifluoromethane
Concen: 4.259 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion: 85 Resp: 8615
Ion Ratio Lower Upper
85 100
87 34.3 16.4 49.2

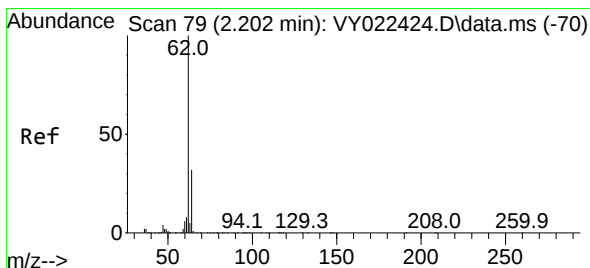
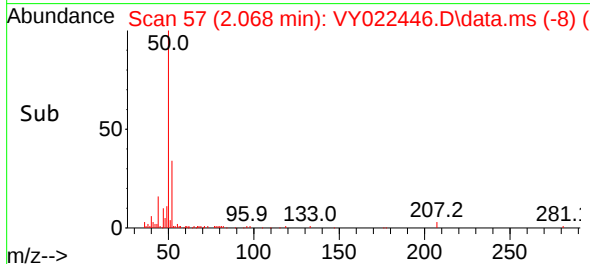
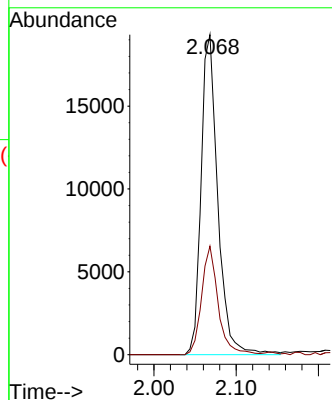
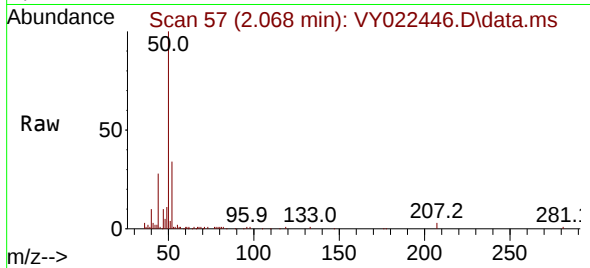




#3
Chloromethane
Concen: 5.478 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

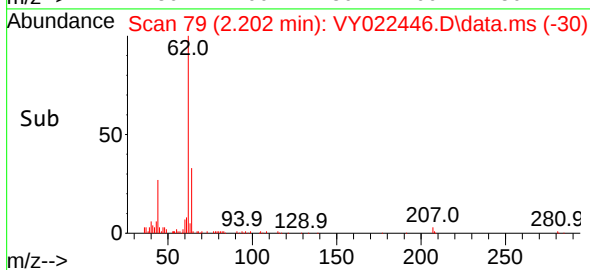
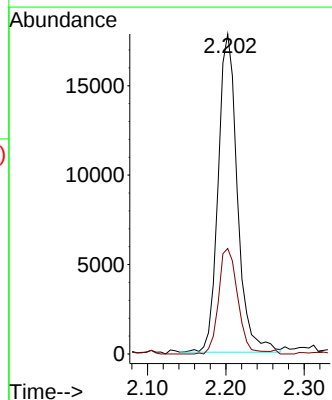
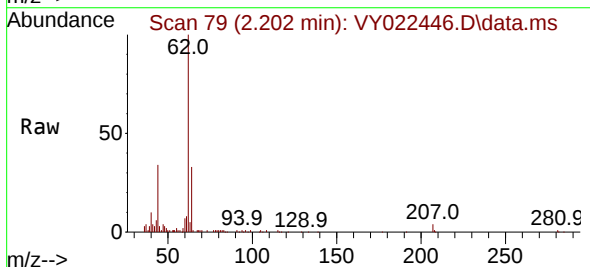
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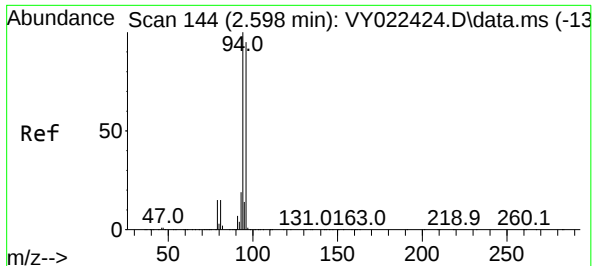
Tgt Ion: 50 Resp: 27255
Ion Ratio Lower Upper
50 100
52 33.9 25.5 38.3



#4
Vinyl Chloride
Concen: 5.034 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion: 62 Resp: 30424
Ion Ratio Lower Upper
62 100
64 33.2 26.0 39.0

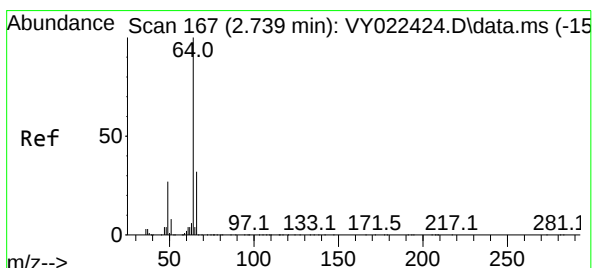
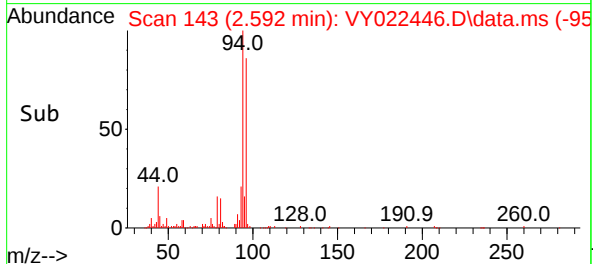
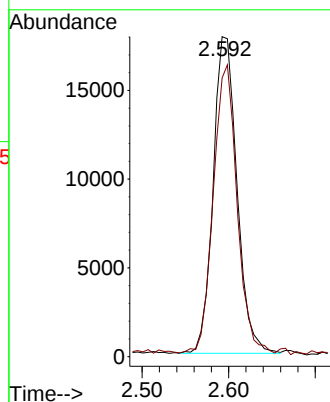
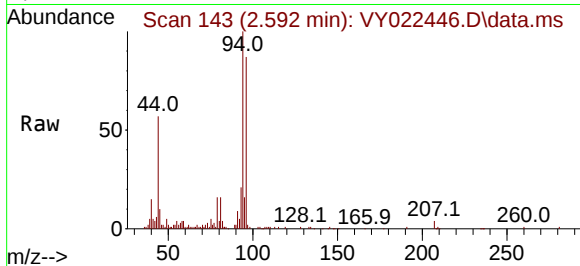




#5
Bromomethane
Concen: 6.200 ug/l
RT: 2.592 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

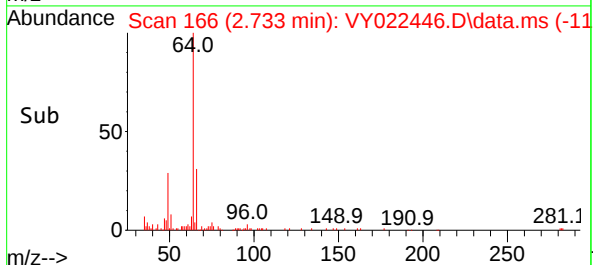
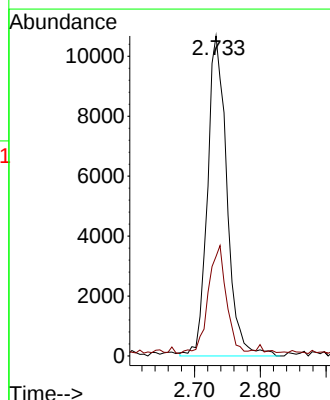
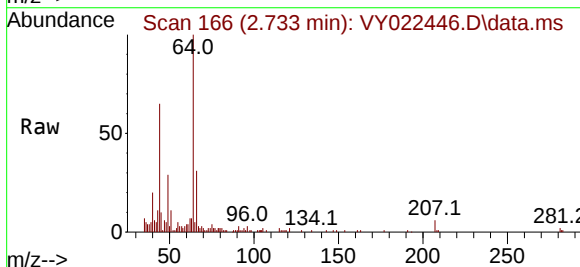
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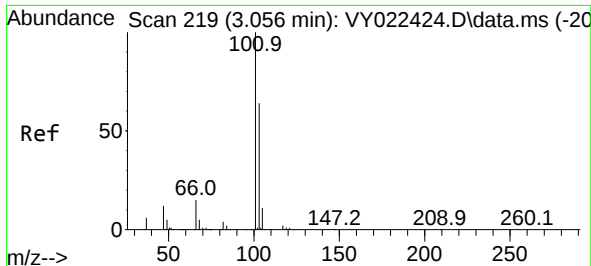
Tgt Ion: 94 Resp: 34055
Ion Ratio Lower Upper
94 100
96 86.8 76.0 114.0



#6
Chloroethane
Concen: 5.564 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion: 64 Resp: 21975
Ion Ratio Lower Upper
64 100
66 30.3 25.9 38.9

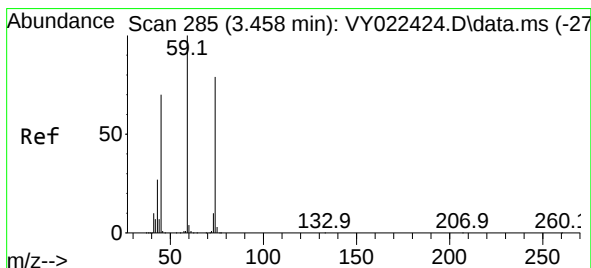
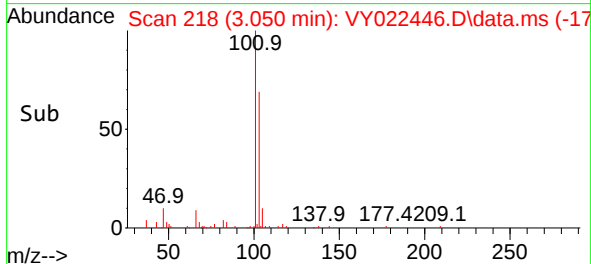
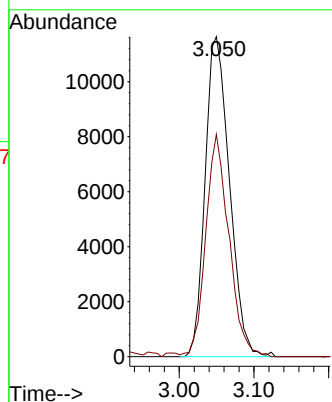
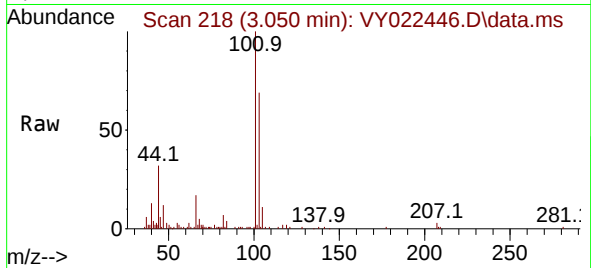




#7
 Trichlorofluoromethane
 Concen: 5.171 ug/l
 RT: 3.050 min Scan# 219
 Delta R.T. -0.006 min
 Lab File: VY022446.D
 Acq: 28 May 2025 12:25

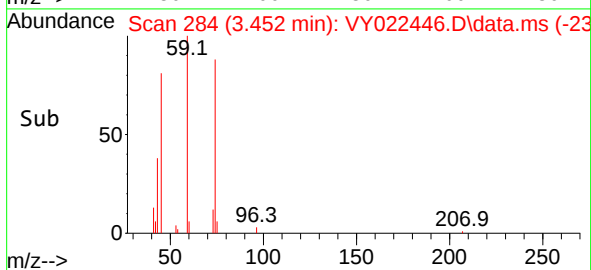
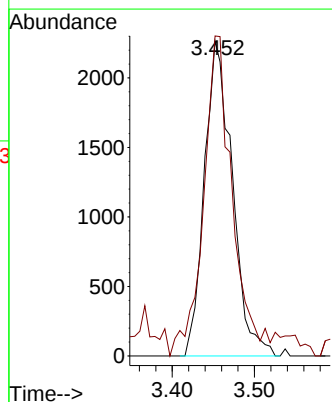
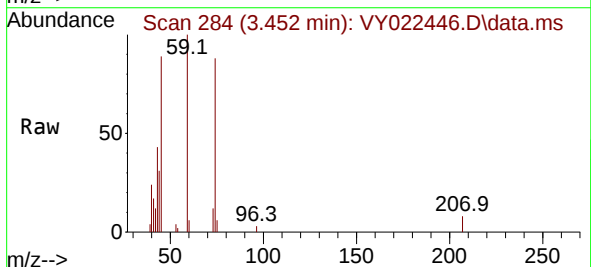
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

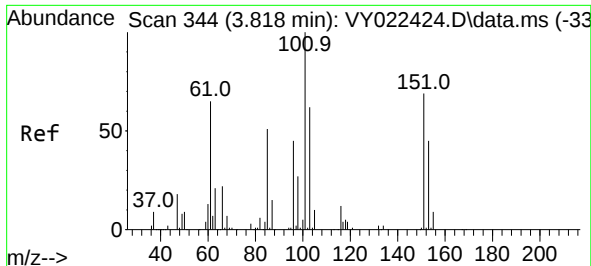
Tgt Ion:101 Resp: 26372
 Ion Ratio Lower Upper
 101 100
 103 69.5 50.9 76.3



#8
 Diethyl Ether
 Concen: 4.545 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. -0.006 min
 Lab File: VY022446.D
 Acq: 28 May 2025 12:25

Tgt Ion: 74 Resp: 5344
 Ion Ratio Lower Upper
 74 100
 45 102.7 44.9 134.5

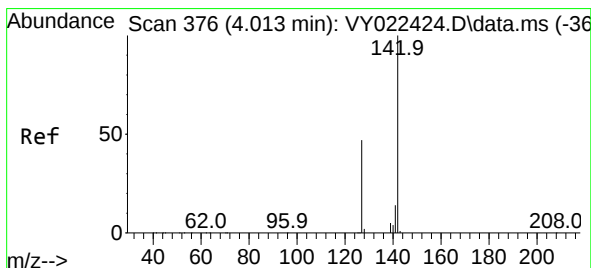
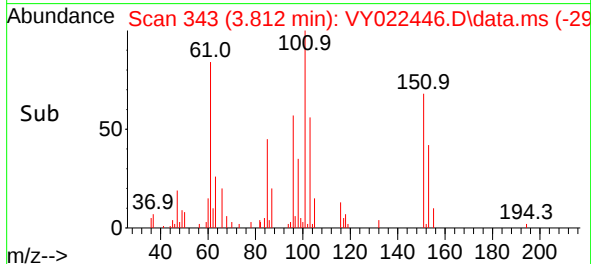
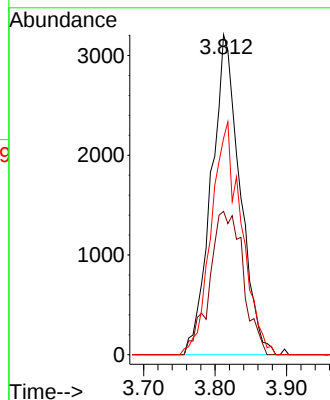
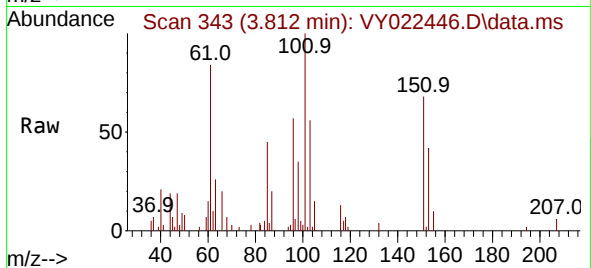




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.996 ug/l
RT: 3.812 min Scan# 344
Delta R.T. -0.006 min
Lab File: VY022446.D
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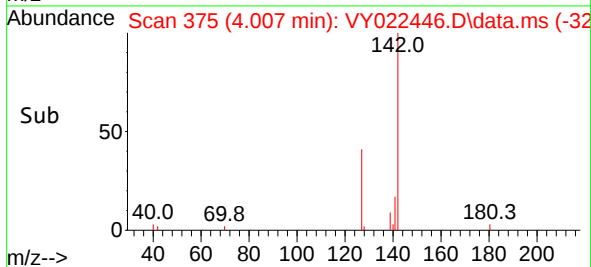
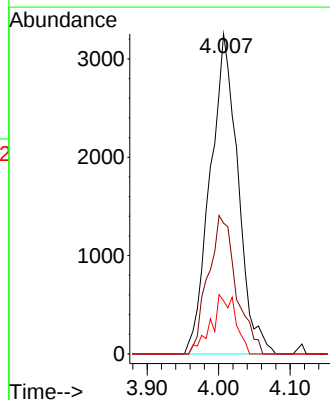
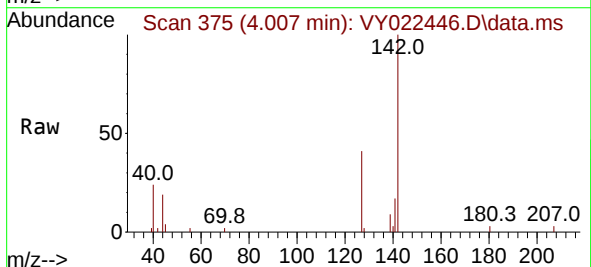
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

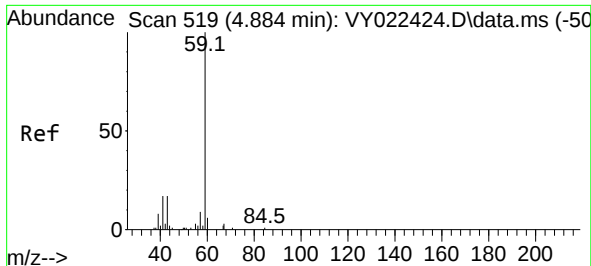
Tgt Ion:101 Resp: 8941
Ion Ratio Lower Upper
101 100
85 52.4 39.2 58.8
151 76.8 58.8 88.2



#10
Methyl Iodide
Concen: 3.481 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion:142 Resp: 8785
Ion Ratio Lower Upper
142 100
127 43.6 36.2 54.4
141 16.2 11.6 17.4

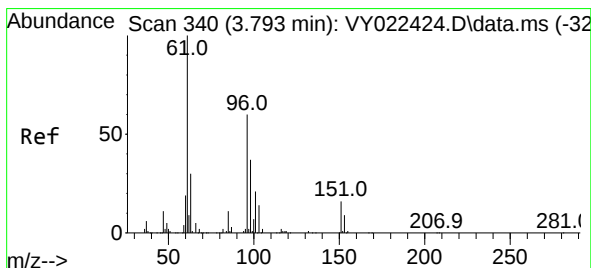
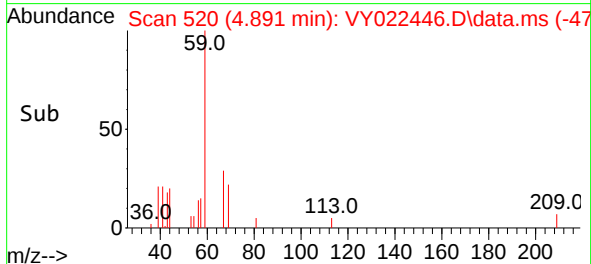
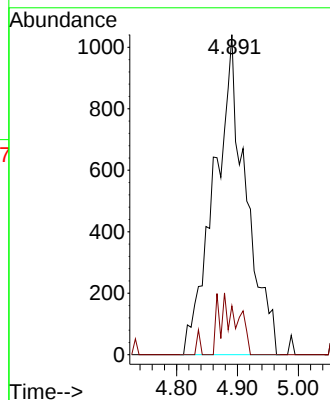
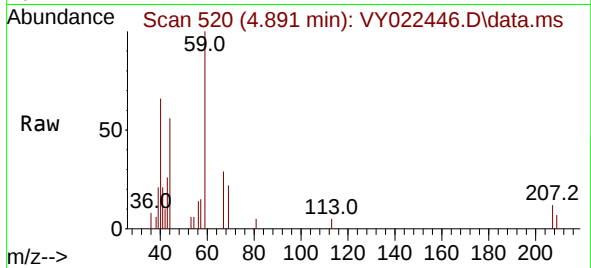




#11
Tert butyl alcohol
Concen: 23.914 ug/l
RT: 4.891 min Scan# 519
Delta R.T. 0.006 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

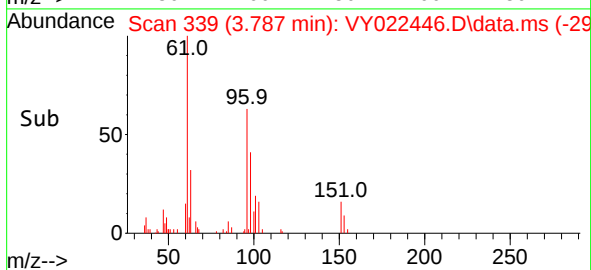
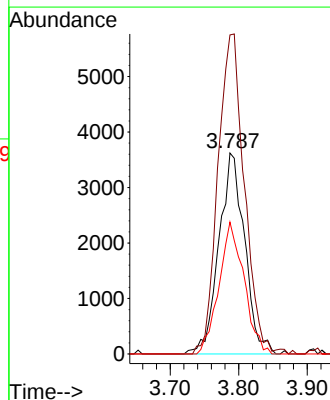
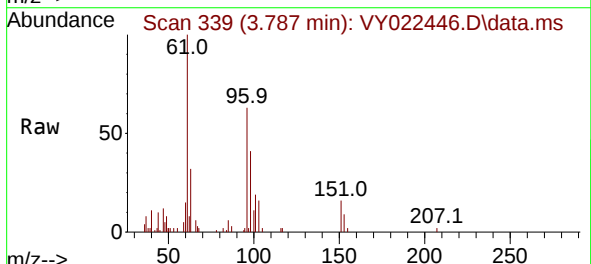
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

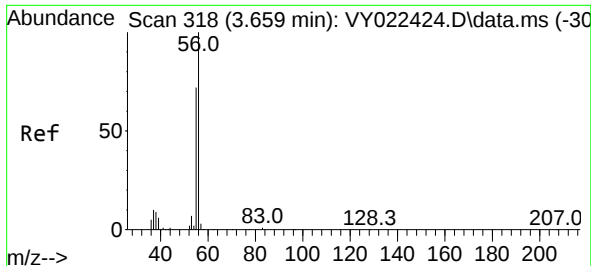
Tgt Ion: 59 Resp: 3764
Ion Ratio Lower Upper
59 100
57 7.6 9.1 13.7#



#12
1,1-Dichloroethene
Concen: 4.251 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.006 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion: 96 Resp: 9442
Ion Ratio Lower Upper
96 100
61 158.8 134.1 201.1
98 65.6 50.2 75.2

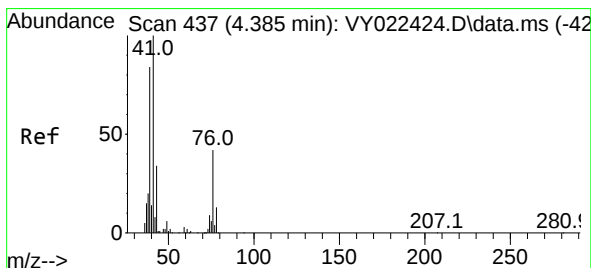
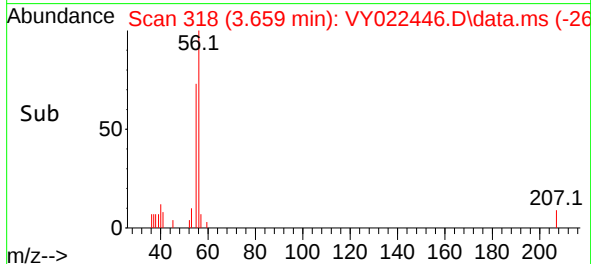
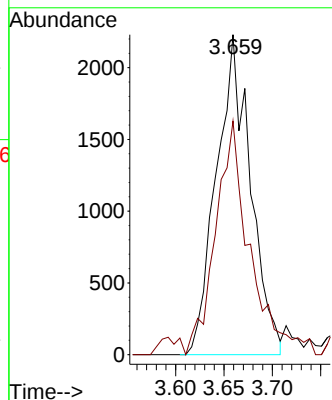
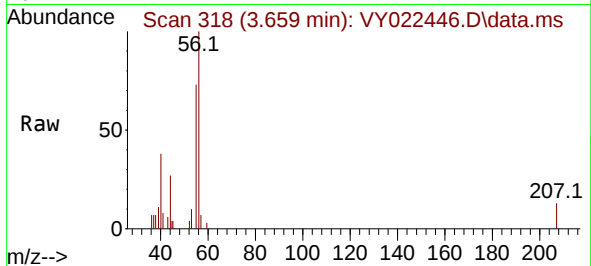




#13
Acrolein
Concen: 23.176 ug/l
RT: 3.659 min Scan# 318
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

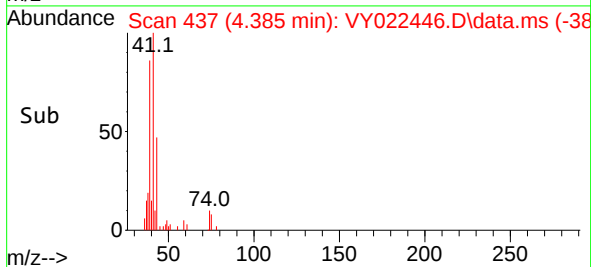
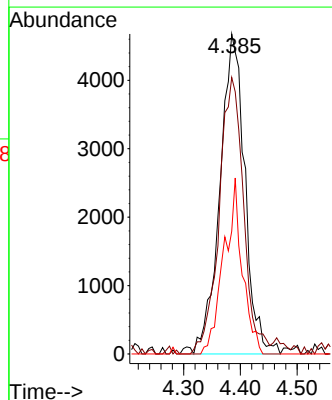
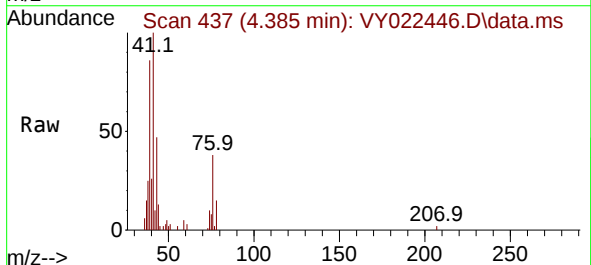
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

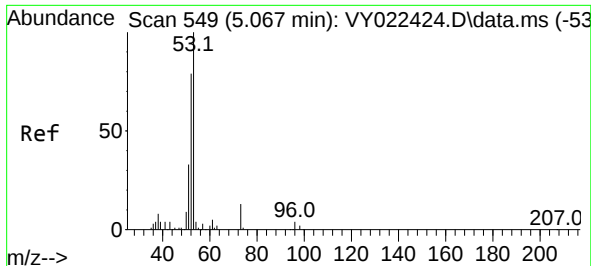
Tgt Ion: 56 Resp: 5466
Ion Ratio Lower Upper
56 100
55 73.0 56.5 84.7



#14
Allyl chloride
Concen: 4.288 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

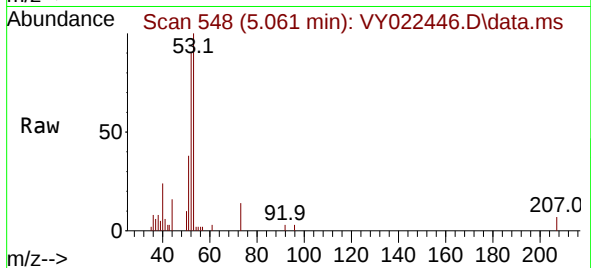
Tgt Ion: 41 Resp: 14326
Ion Ratio Lower Upper
41 100
39 84.3 66.6 100.0
76 40.5 33.7 50.5



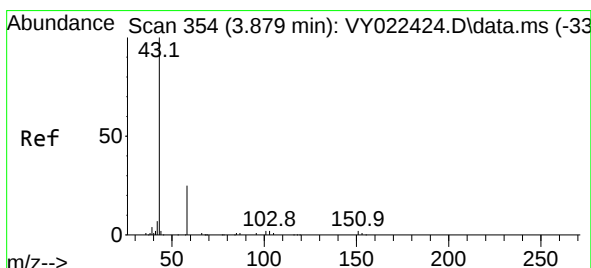
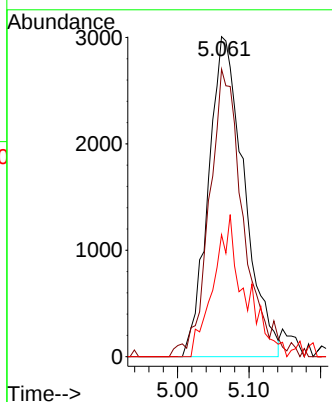
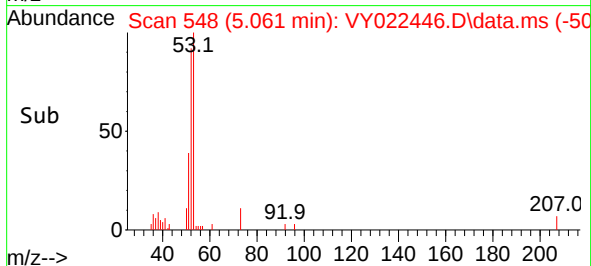


#15
Acrylonitrile
Concen: 22.118 ug/l
RT: 5.061 min Scan# 549
Delta R.T. -0.006 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

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

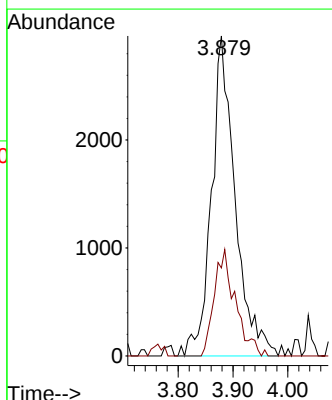
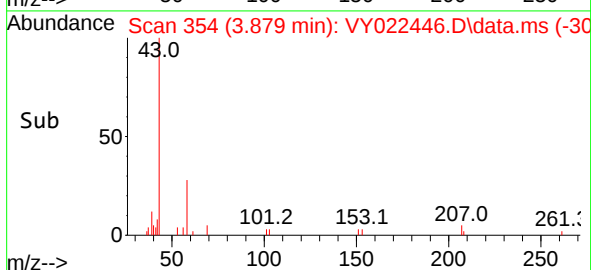
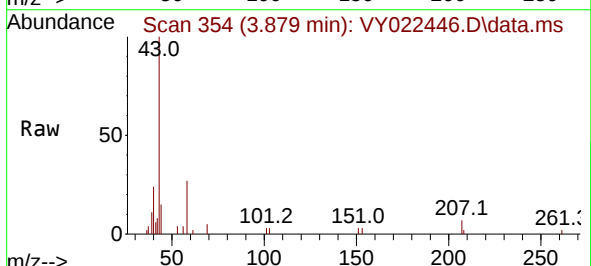


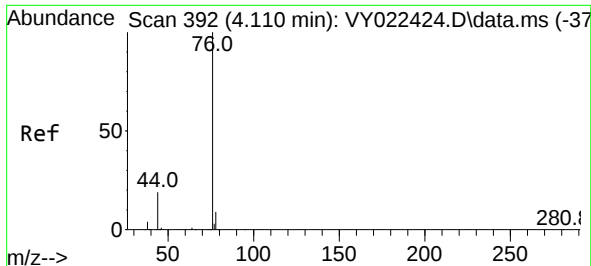
Tgt Ion: 53 Resp: 10483
Ion Ratio Lower Upper
53 100
52 84.5 65.1 97.7
51 38.7 30.0 45.0



#16
Acetone
Concen: 24.298 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion: 43 Resp: 8916
Ion Ratio Lower Upper
43 100
58 27.5 20.6 30.8

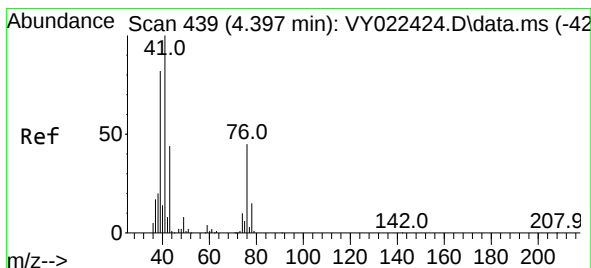
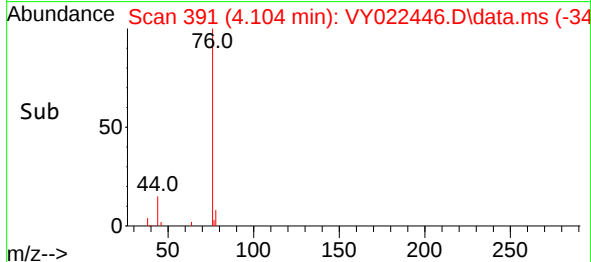
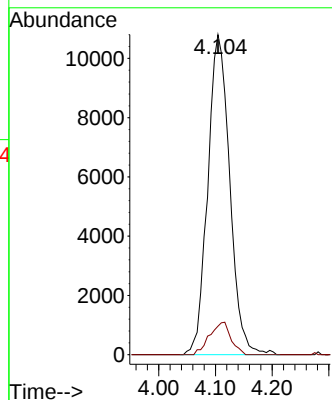
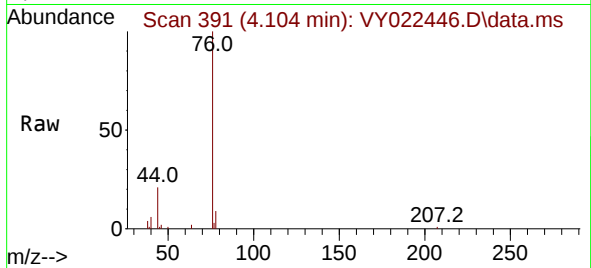




#17
Carbon Disulfide
Concen: 4.110 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

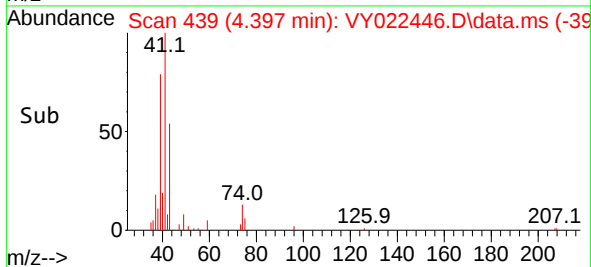
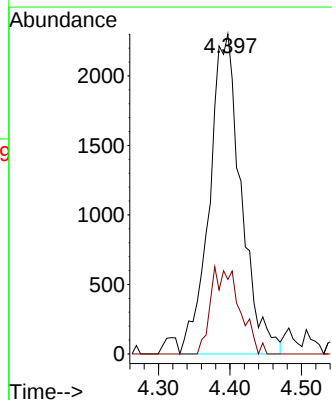
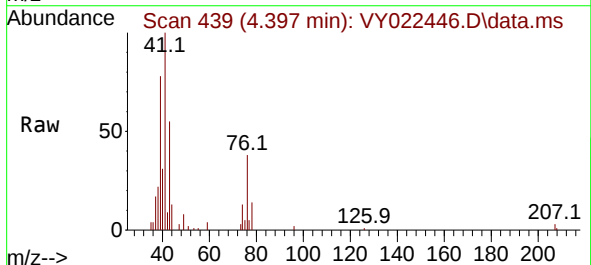
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

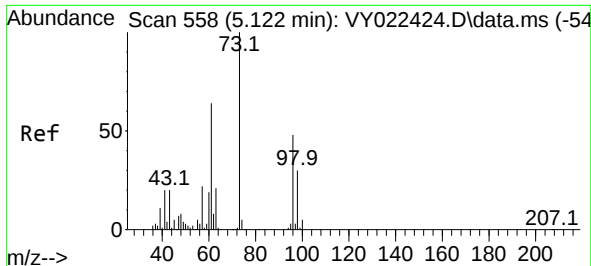
Tgt Ion: 76 Resp: 29131
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 5.147 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion: 43 Resp: 7075
Ion Ratio Lower Upper
43 100
74 24.6 21.2 31.8

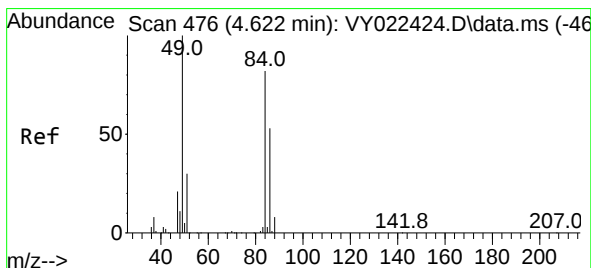
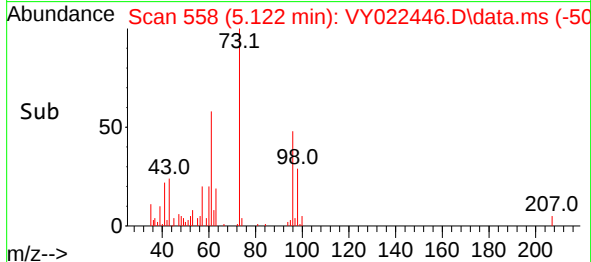
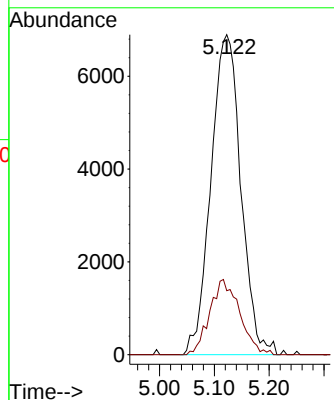
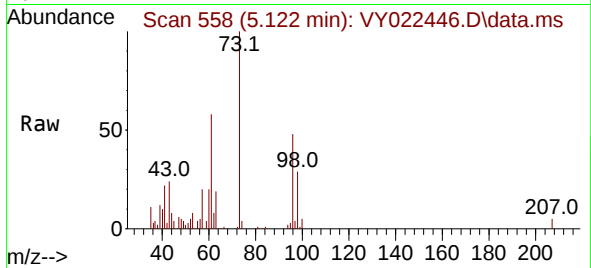




#19
Methyl tert-butyl Ether
Concen: 4.443 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

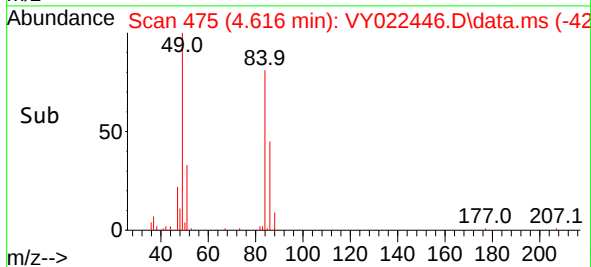
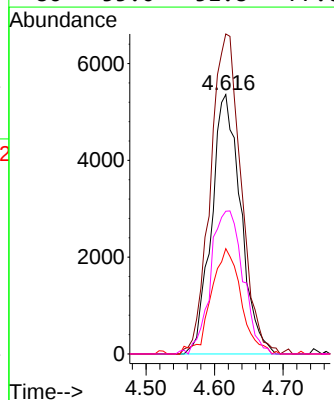
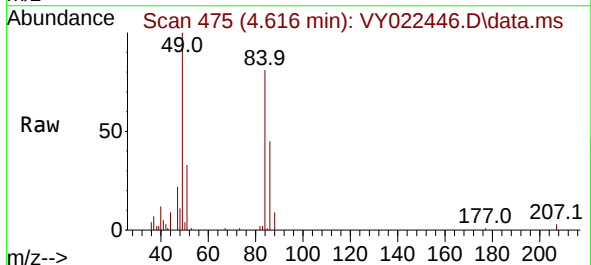
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

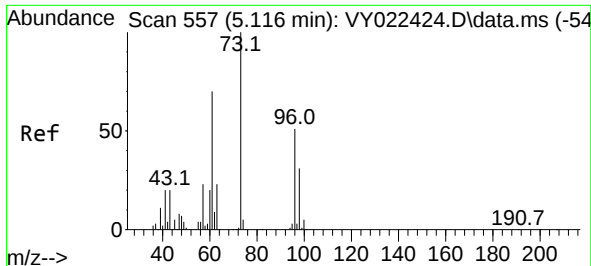
Tgt Ion: 73 Resp: 26201
Ion Ratio Lower Upper
73 100
57 20.0 17.7 26.5



#20
Methylene Chloride
Concen: 6.107 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion: 84 Resp: 15825
Ion Ratio Lower Upper
84 100
49 123.4 97.8 146.8
51 40.6 29.5 44.3
86 55.0 51.8 77.6

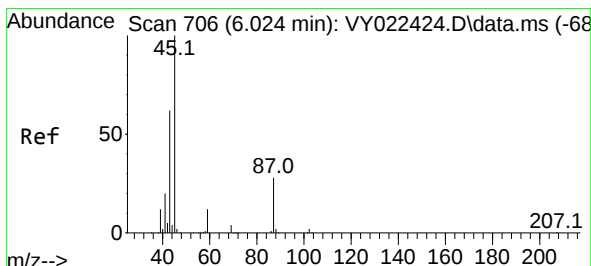
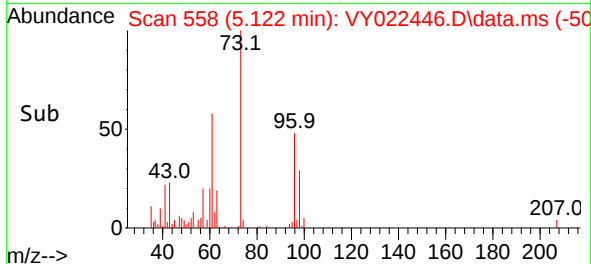
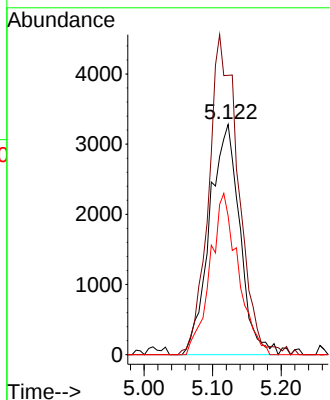
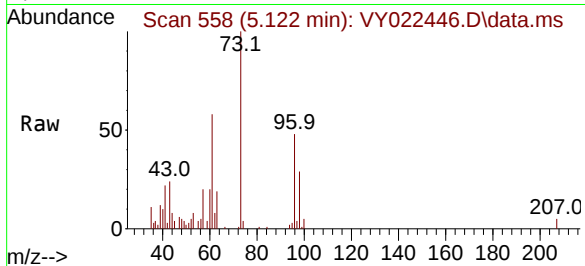




#21
trans-1,2-Dichloroethene
Concen: 4.153 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

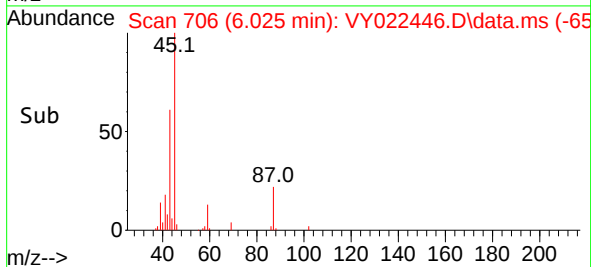
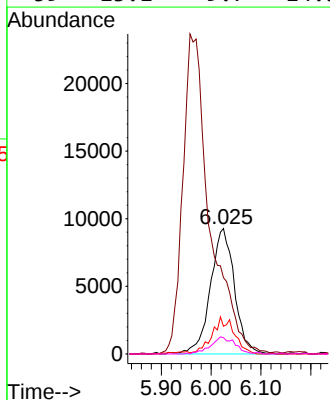
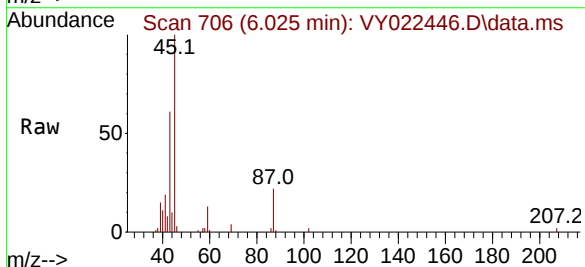
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

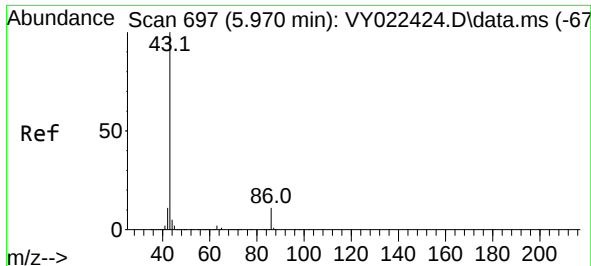
Tgt Ion: 96 Resp: 10071
Ion Ratio Lower Upper
96 100
61 121.3 110.4 165.6
98 60.2 48.6 73.0



#22
Diisopropyl ether
Concen: 4.211 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion: 45 Resp: 31049
Ion Ratio Lower Upper
45 100
43 59.3 49.8 74.8
87 22.1 23.0 34.6#
59 13.1 9.7 14.5

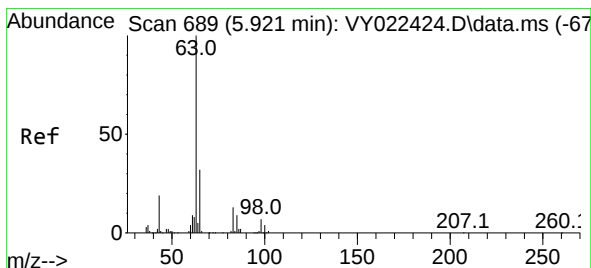
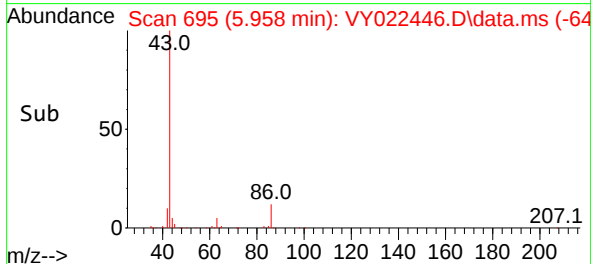
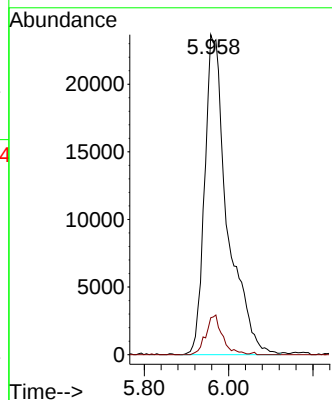
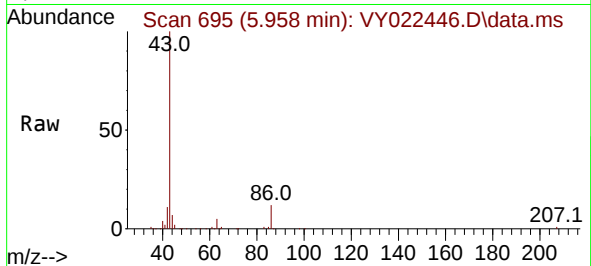




#23
 Vinyl Acetate
 Concen: 20.979 ug/l
 RT: 5.958 min Scan# 695
 Delta R.T. -0.012 min
 Lab File: VY022446.D
 Acq: 28 May 2025 12:25

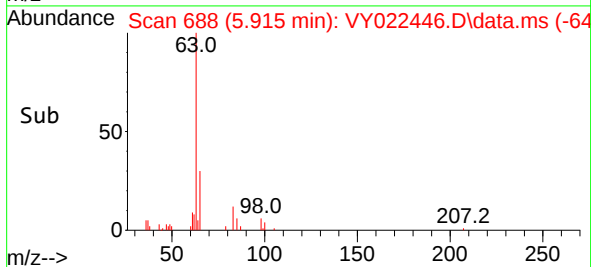
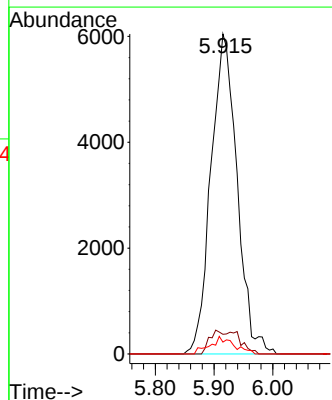
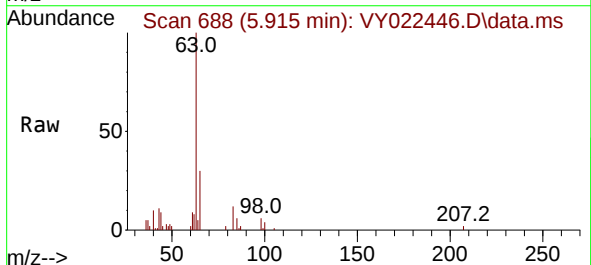
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

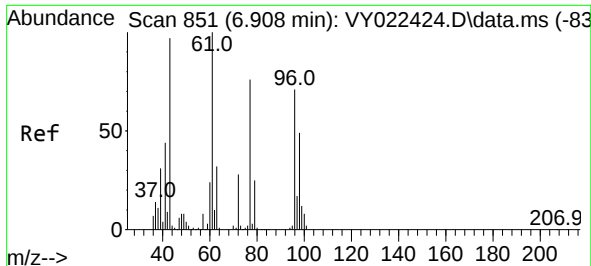
Tgt Ion: 43 Resp: 88829
 Ion Ratio Lower Upper
 43 100
 86 11.6 8.8 13.2



#24
 1,1-Dichloroethane
 Concen: 4.278 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. -0.006 min
 Lab File: VY022446.D
 Acq: 28 May 2025 12:25

Tgt Ion: 63 Resp: 18639
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.5 10.5
 100 3.7 2.1 6.5

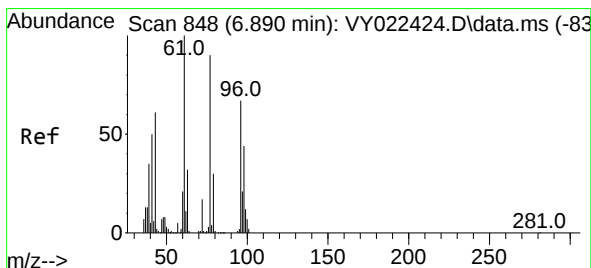
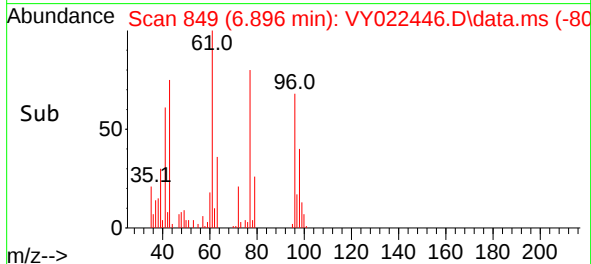
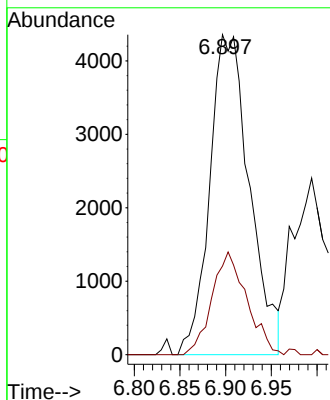
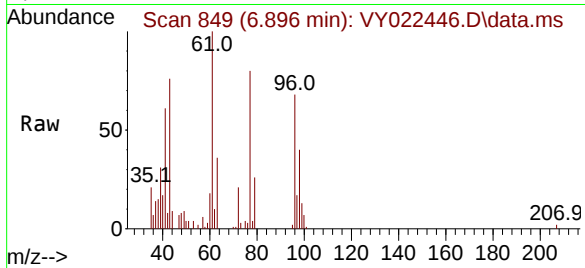




#25
2-Butanone
Concen: 21.597 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.012 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

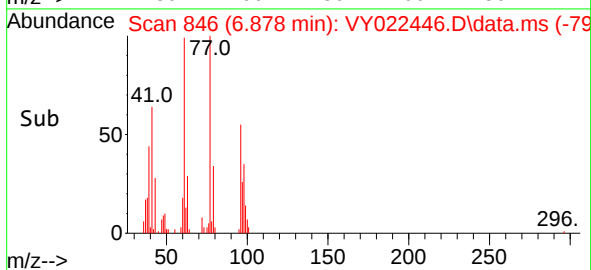
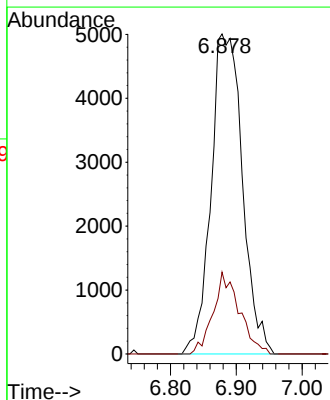
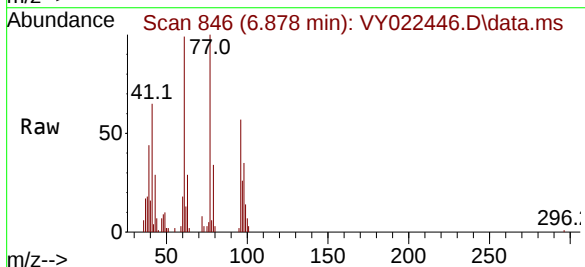
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

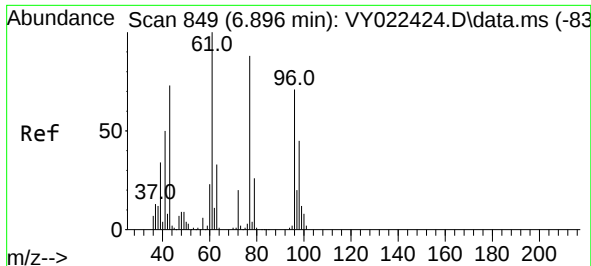
Tgt Ion: 43 Resp: 13198
Ion Ratio Lower Upper
43 100
72 27.7 22.8 34.2



#26
2,2-Dichloropropane
Concen: 4.207 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion: 77 Resp: 16600
Ion Ratio Lower Upper
77 100
97 21.5 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 4.174 ug/l

RT: 6.884 min Scan# 849

Delta R.T. -0.012 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

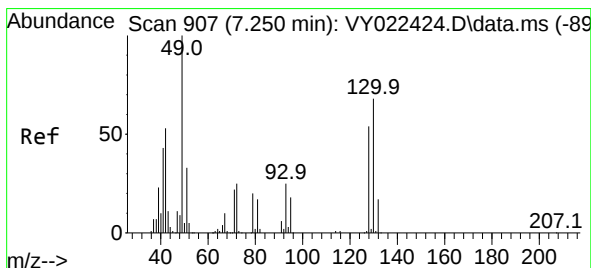
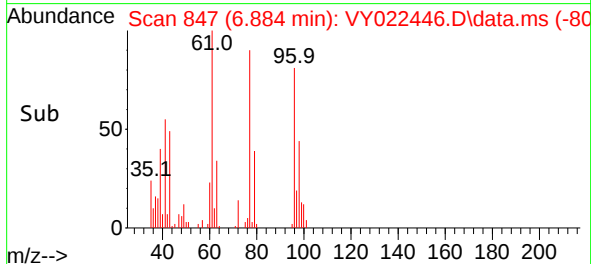
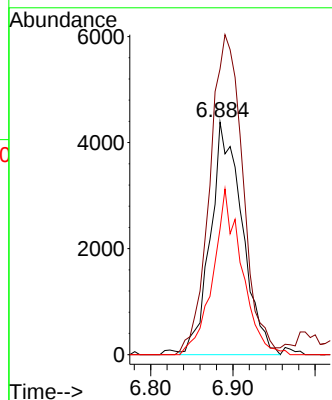
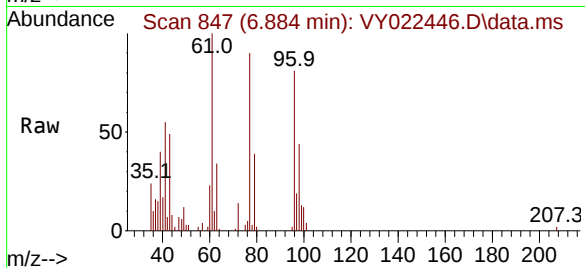
Tgt Ion: 96 Resp: 11718

Ion Ratio Lower Upper

96 100

61 144.6 0.0 292.0

98 65.2 0.0 131.0



#28

Bromochloromethane

Concen: 4.501 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

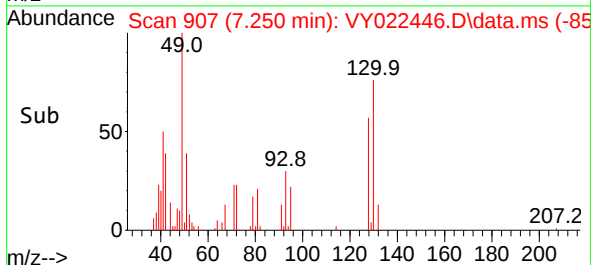
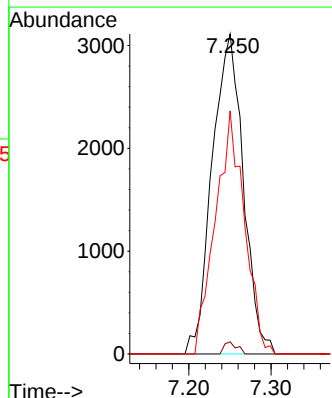
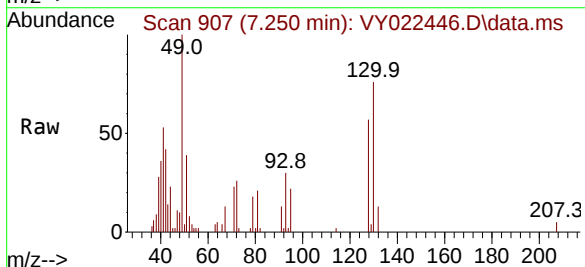
Tgt Ion: 49 Resp: 8190

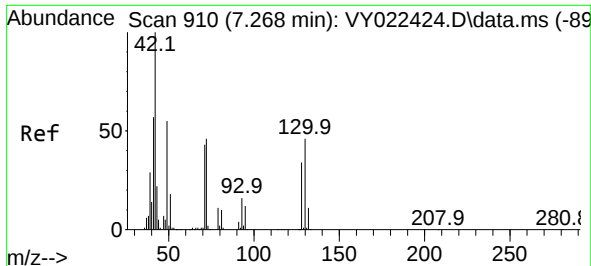
Ion Ratio Lower Upper

49 100

129 1.6 0.0 4.0

130 70.7 56.9 85.3





#29

Tetrahydrofuran

Concen: 23.670 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.000 min

Lab File: VY022446.D

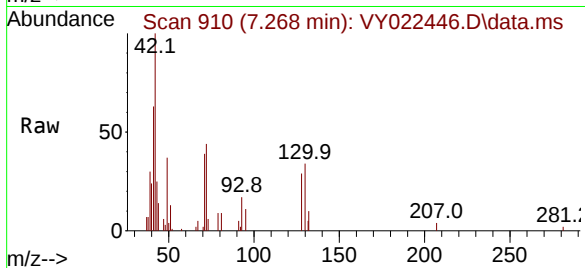
Acq: 28 May 2025 12:25

Instrument :

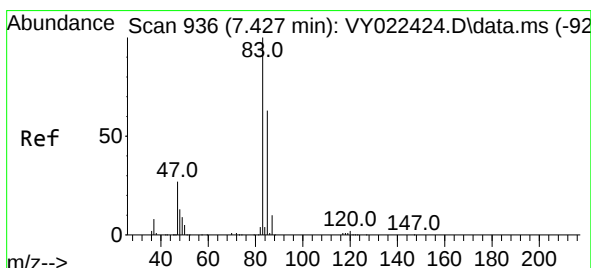
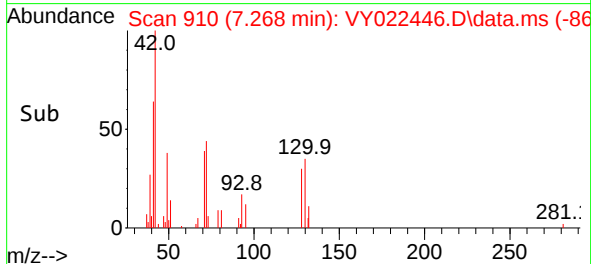
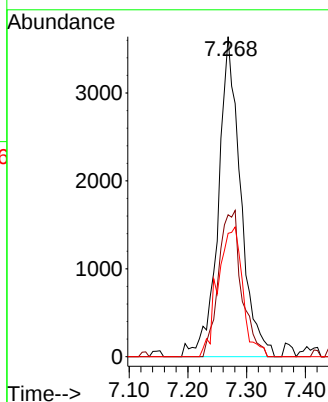
MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:	42	Resp:	9647
Ion	Ratio	Lower	Upper
42	100		
72	47.3	37.7	56.5
71	44.7	34.7	52.1



#30

Chloroform

Concen: 4.209 ug/l

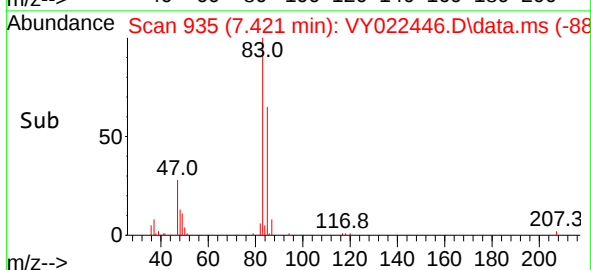
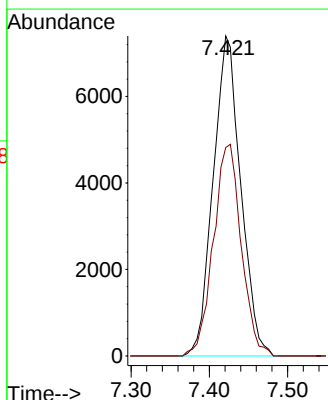
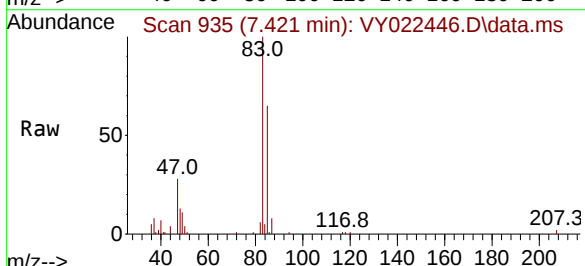
RT: 7.421 min Scan# 935

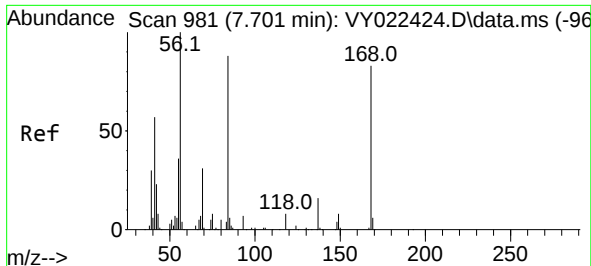
Delta R.T. -0.006 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

Tgt Ion:	83	Resp:	18070
Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.1	75.1

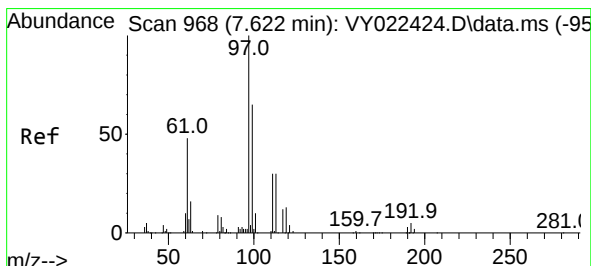
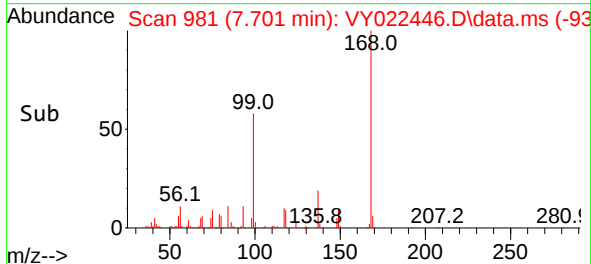
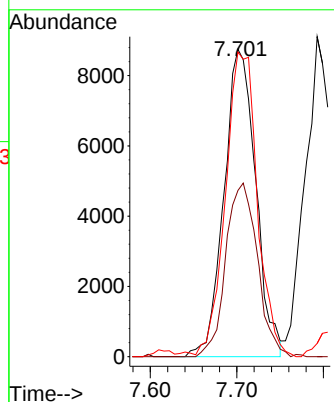
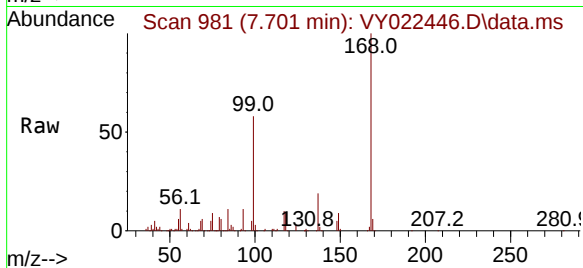




#31
Cyclohexane
Concen: 5.190 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

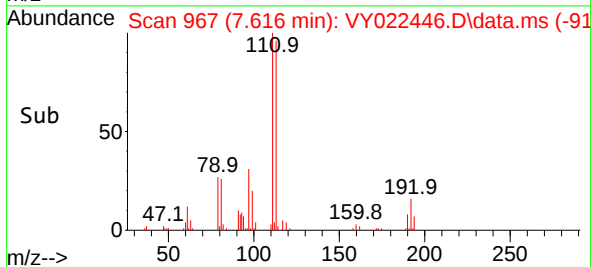
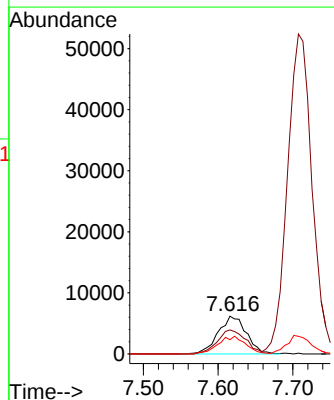
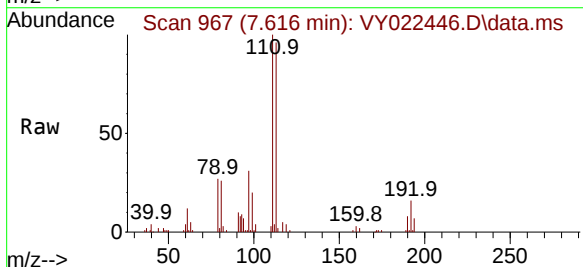
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

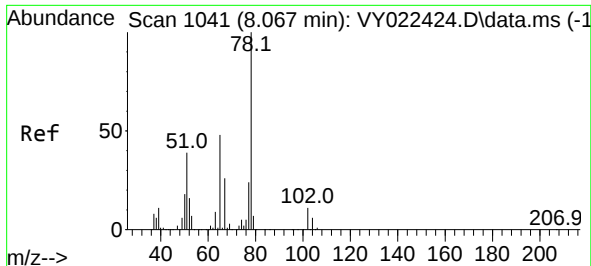
Tgt Ion: 56 Resp: 22294
Ion Ratio Lower Upper
56 100
69 54.1 24.6 36.8#
84 98.1 70.4 105.6



#32
1,1,1-Trichloroethane
Concen: 4.164 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion: 97 Resp: 16226
Ion Ratio Lower Upper
97 100
99 64.0 51.3 76.9
61 45.7 37.3 55.9





#33

1,2-Dichloroethane-d4

Concen: 53.314 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.006 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

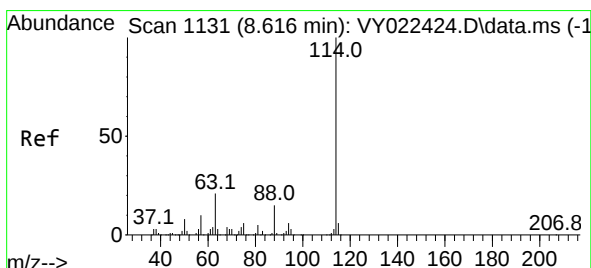
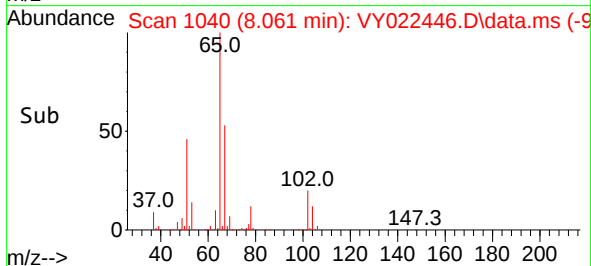
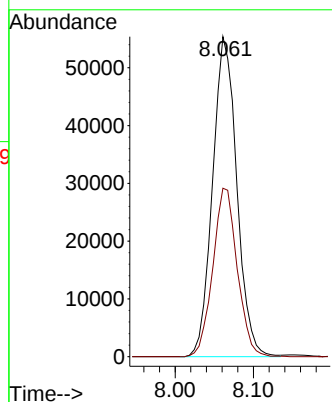
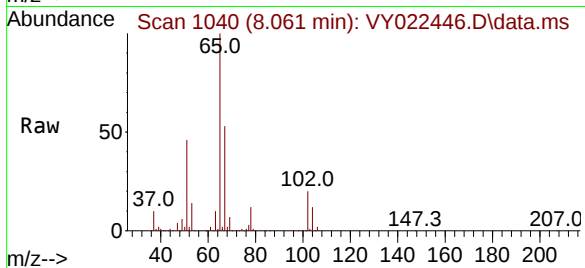
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 65 Resp: 119051

Ion Ratio Lower Upper

65 100

67 53.1 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: VY022446.D

Acq: 28 May 2025 12:25

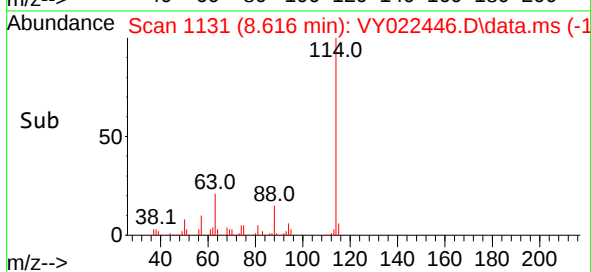
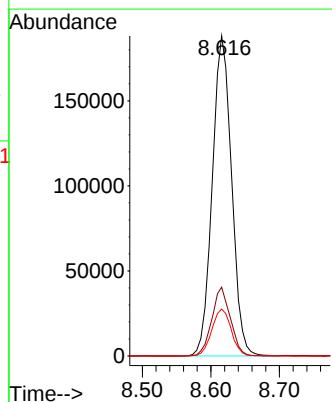
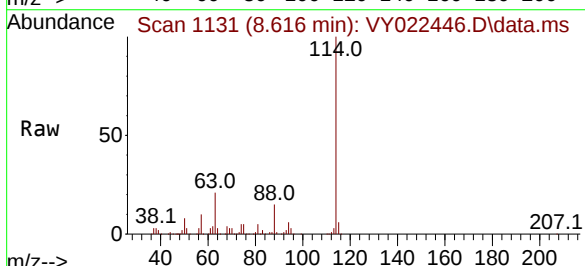
Tgt Ion: 114 Resp: 367652

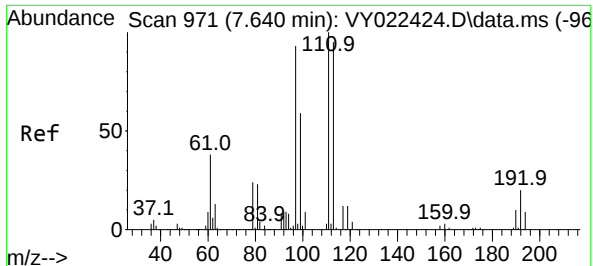
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.6

88 14.6 0.0 29.4





#35

Dibromofluoromethane

Concen: 51.928 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

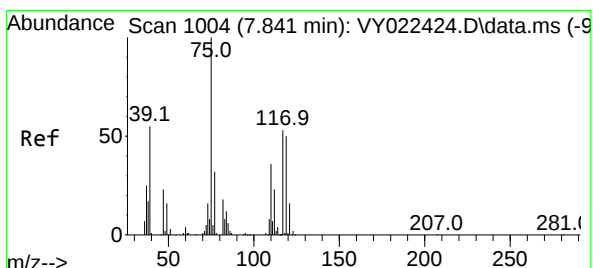
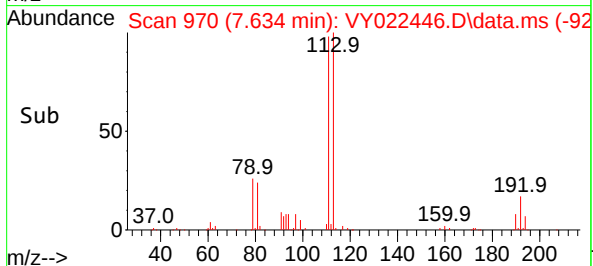
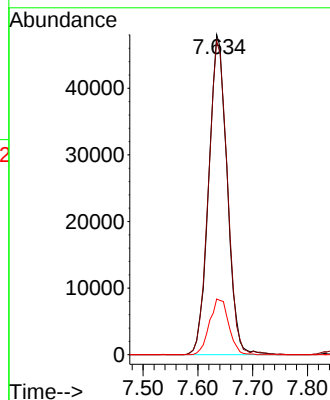
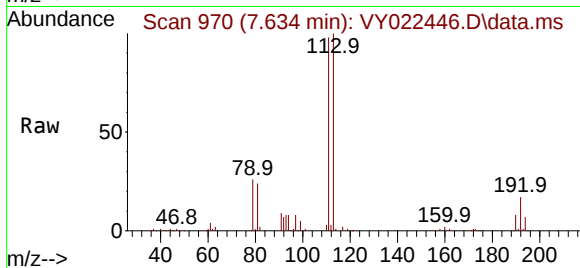
Tgt Ion:113 Resp: 111806

Ion Ratio Lower Upper

113 100

111 100.1 82.4 123.6

192 18.1 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.248 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.006 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

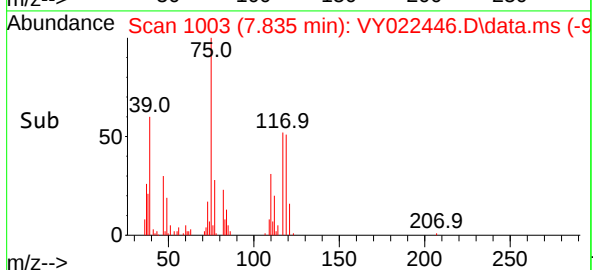
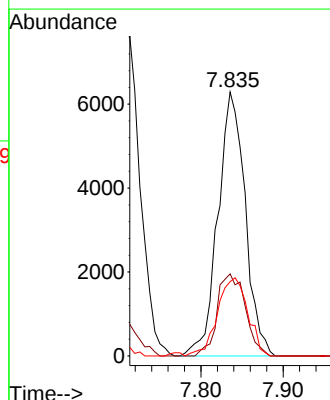
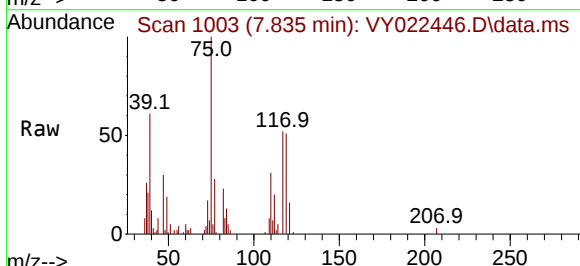
Tgt Ion: 75 Resp: 14513

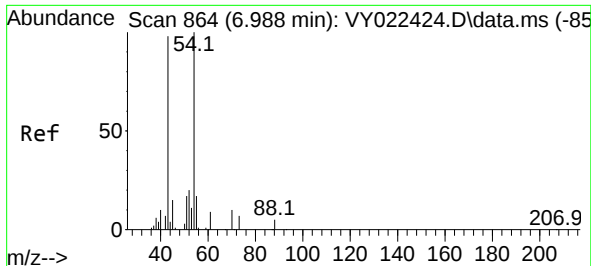
Ion Ratio Lower Upper

75 100

110 32.1 17.1 51.2

77 32.8 25.1 37.7

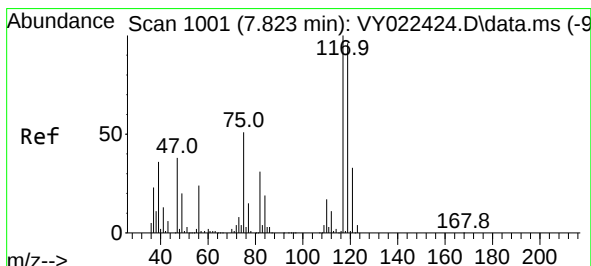
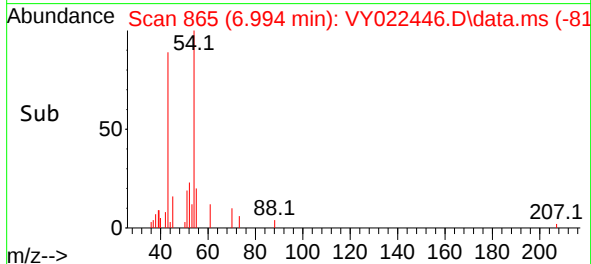
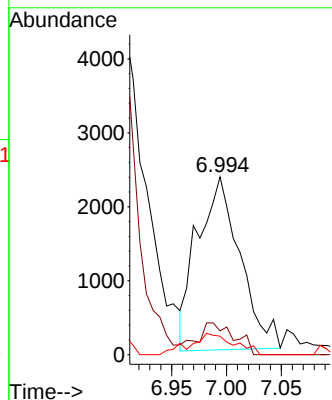
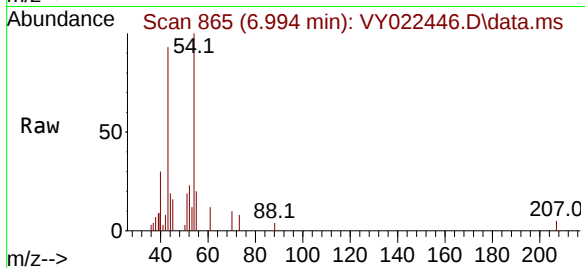




#37
Ethyl Acetate
Concen: 4.361 ug/l
RT: 6.994 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

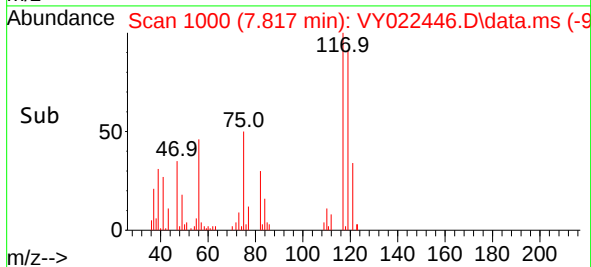
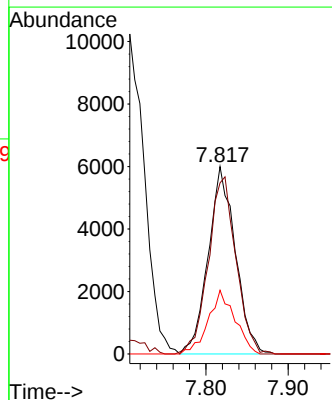
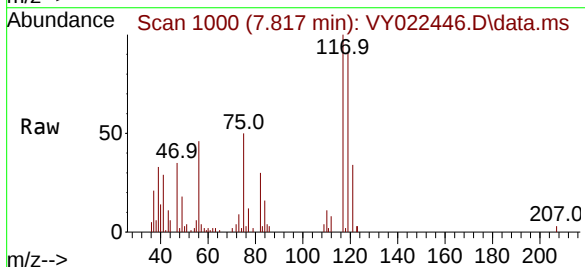
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

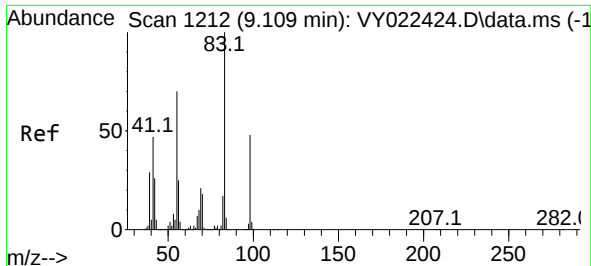
Tgt Ion: 43 Resp: 6332
Ion Ratio Lower Upper
43 100
61 16.0 11.7 17.5
70 12.4 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 3.875 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion: 117 Resp: 13792
Ion Ratio Lower Upper
117 100
119 91.3 76.3 114.5
121 34.0 26.1 39.1





#39

Methylcyclohexane

Concen: 4.048 ug/l

RT: 9.110 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022446.D

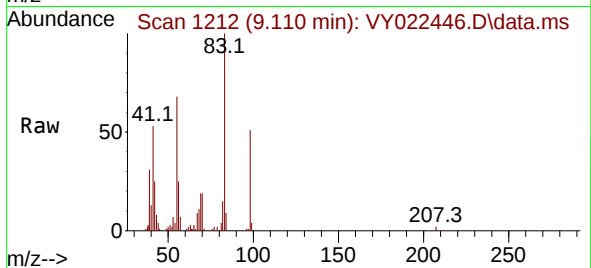
Acq: 28 May 2025 12:25

Instrument :

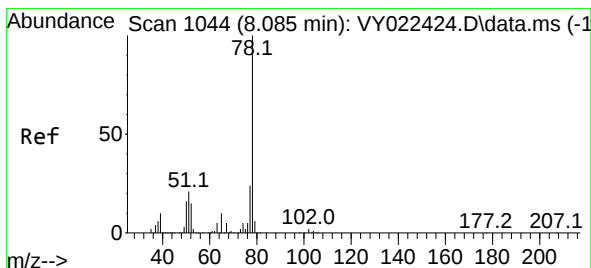
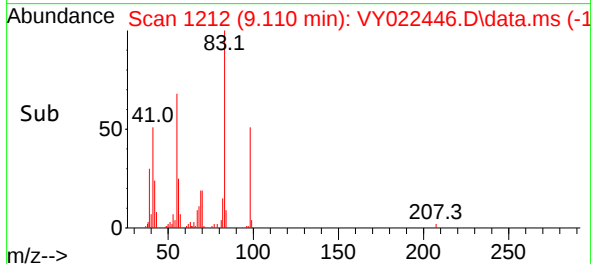
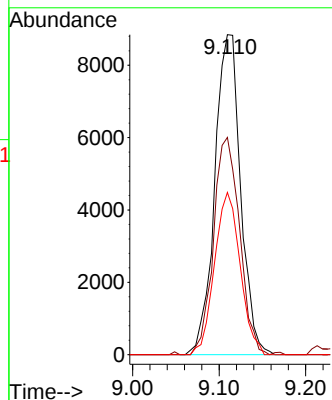
MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



Tgt Ion: 83	Resp: 18385
Ion Ratio	Lower Upper
83	100
55	67.9 56.2 84.2
98	50.7 38.4 57.6



#40

Benzene

Concen: 4.121 ug/l

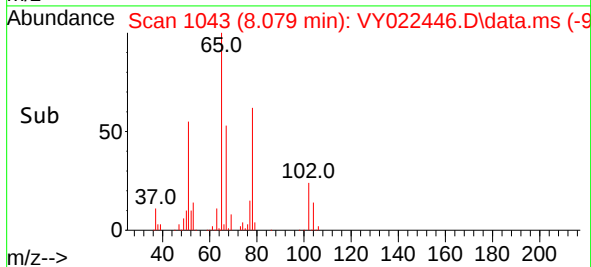
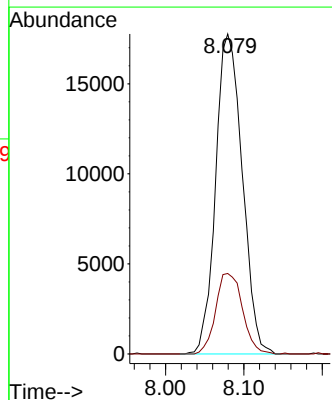
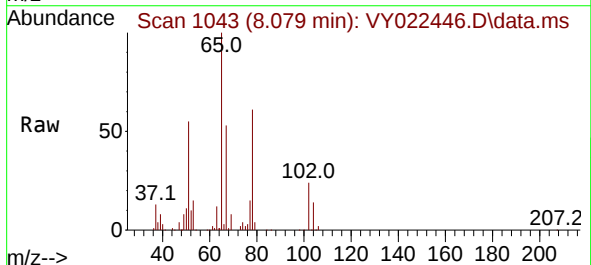
RT: 8.079 min Scan# 1043

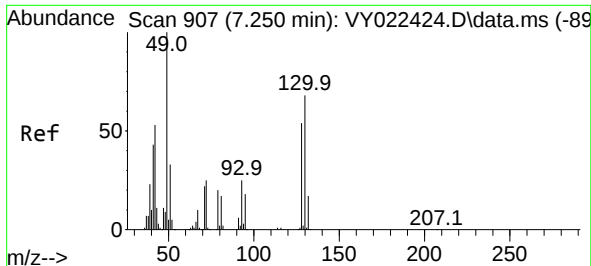
Delta R.T. -0.006 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

Tgt Ion: 78	Resp: 41895
Ion Ratio	Lower Upper
78	100
77	25.1 19.4 29.2

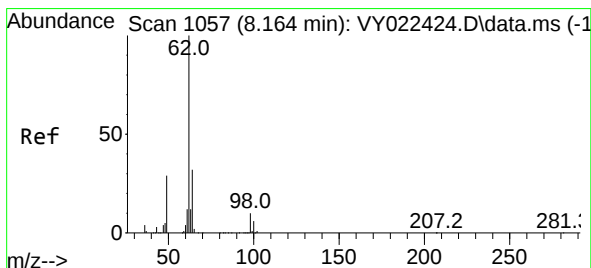
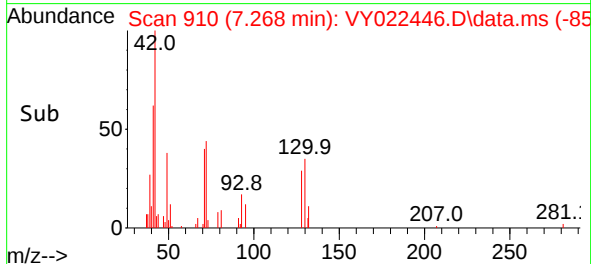
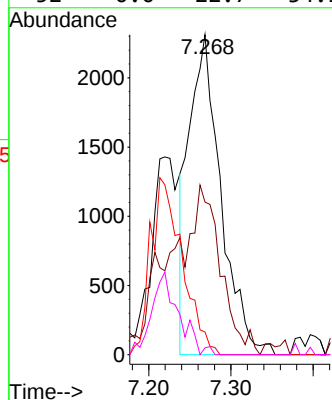
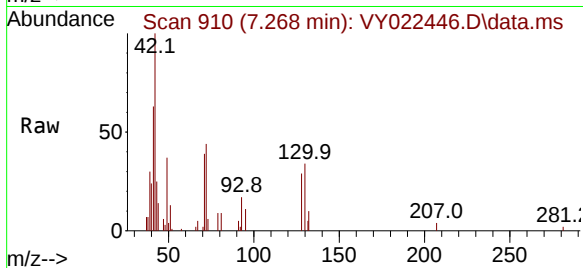




#41
Methacrylonitrile
Concen: 7.074 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.019 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

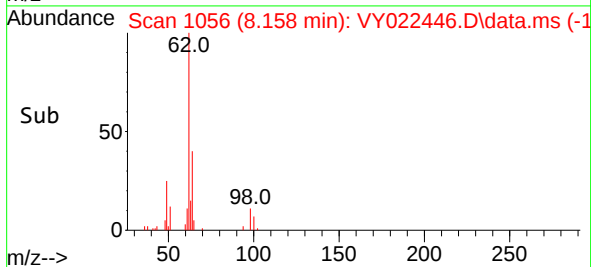
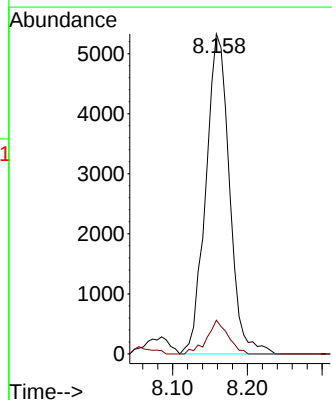
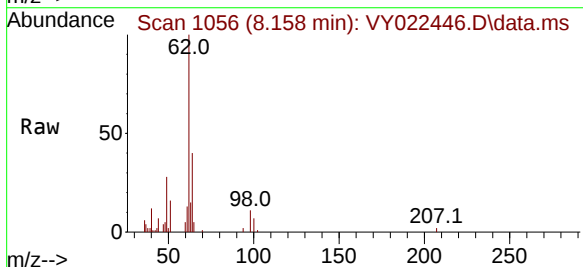
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

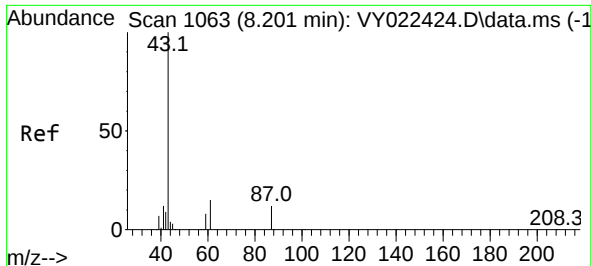
Tgt Ion:	41	Resp:	6234
Ion	Ratio	Lower	Upper
41	100		
39	48.2	40.4	60.6
67	0.0	53.0	79.4#
52	0.0	22.7	34.1#



#42
1,2-Dichloroethane
Concen: 4.365 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion:	62	Resp:	11719
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4

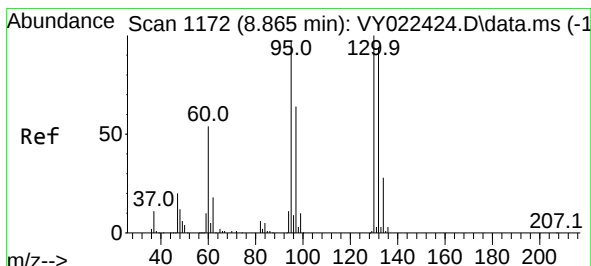
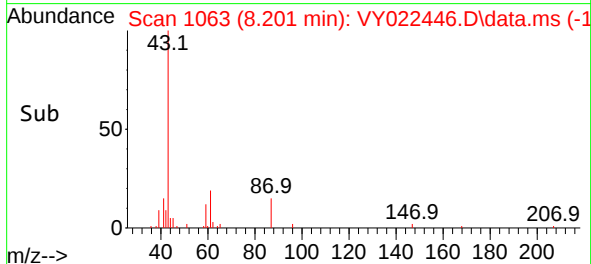
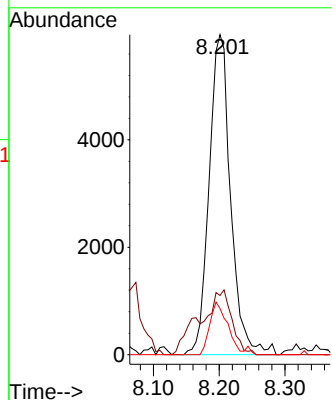
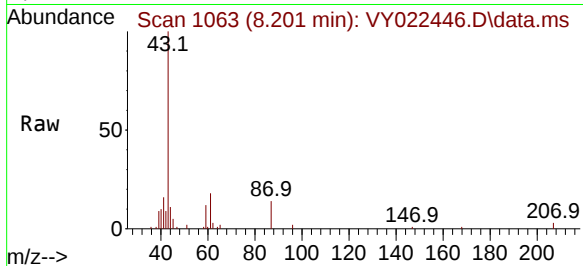




#43
Isopropyl Acetate
Concen: 4.277 ug/l
RT: 8.201 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

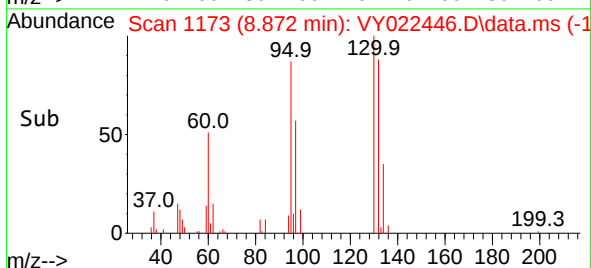
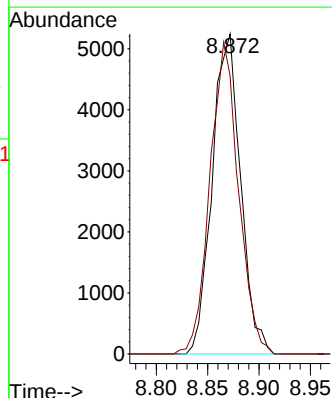
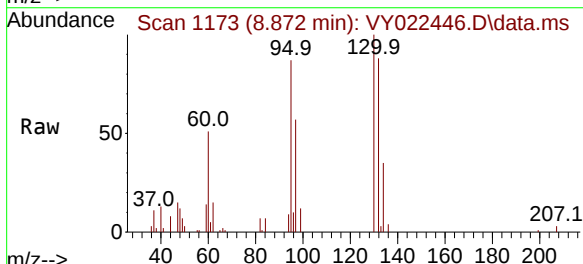
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

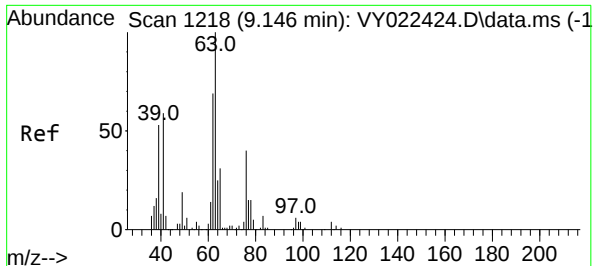
Tgt Ion: 43 Resp: 13569
Ion Ratio Lower Upper
43 100
61 19.9 15.4 23.0
87 13.6 10.6 15.8



#44
Trichloroethene
Concen: 4.009 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion:130 Resp: 10076
Ion Ratio Lower Upper
130 100
95 86.8 0.0 194.8





#45

1,2-Dichloropropane

Concen: 4.129 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. 0.000 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

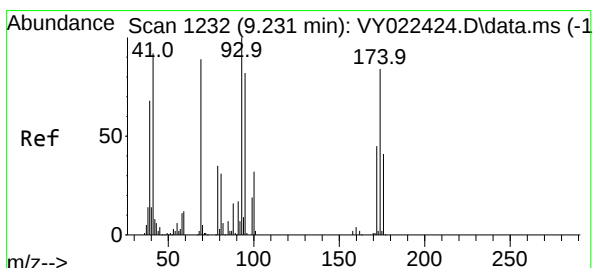
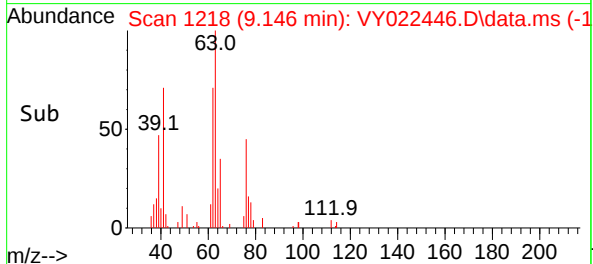
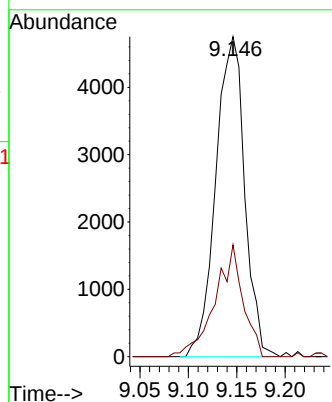
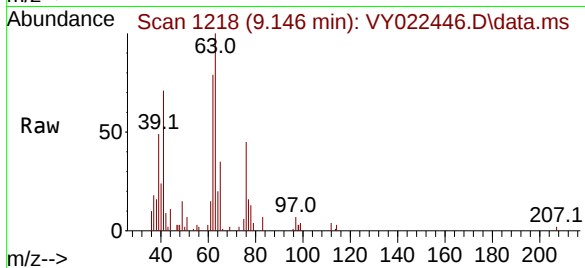
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 63 Resp: 9863

Ion Ratio Lower Upper

63 100

65 35.0 25.1 37.7



#46

Dibromomethane

Concen: 4.287 ug/l

RT: 9.238 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

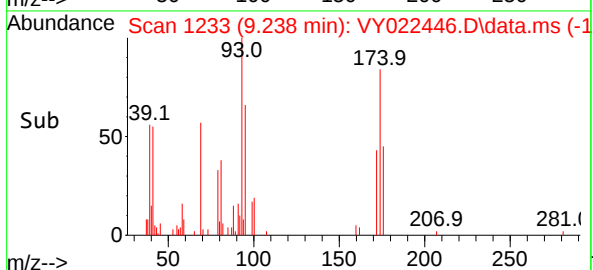
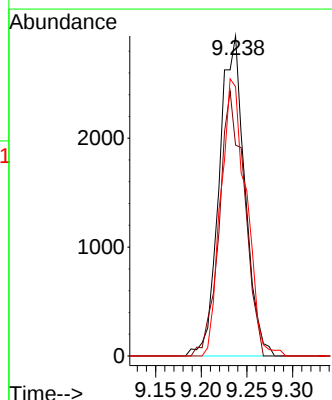
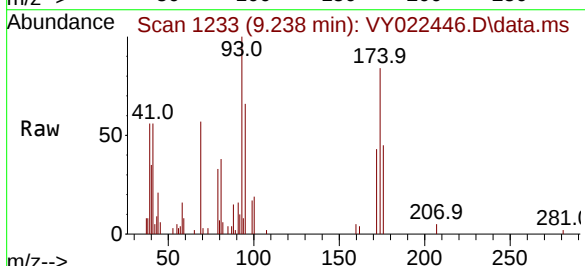
Tgt Ion: 93 Resp: 5721

Ion Ratio Lower Upper

93 100

95 81.1 66.2 99.2

174 86.1 71.1 106.7

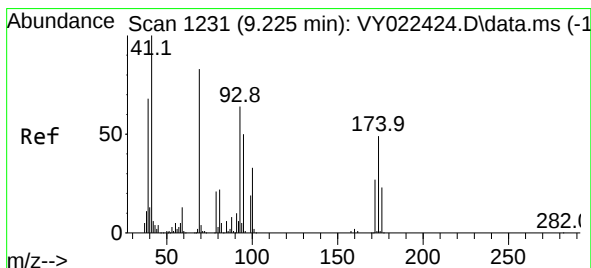
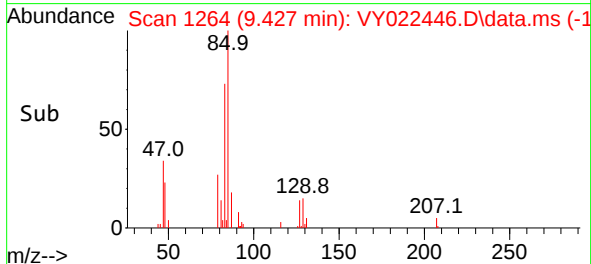
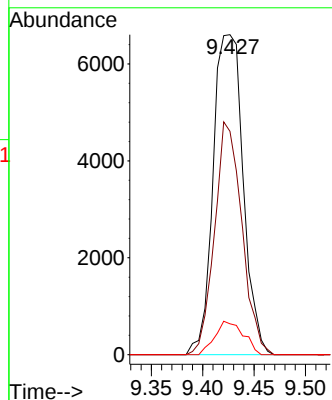
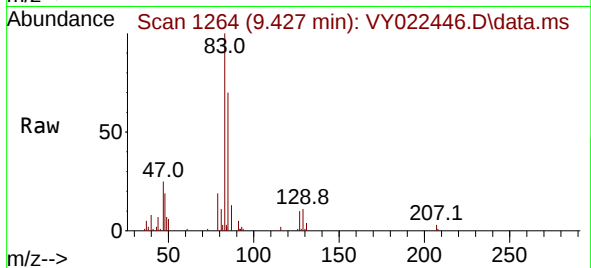




#47
Bromodichloromethane
Concen: 3.909 ug/l
RT: 9.427 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

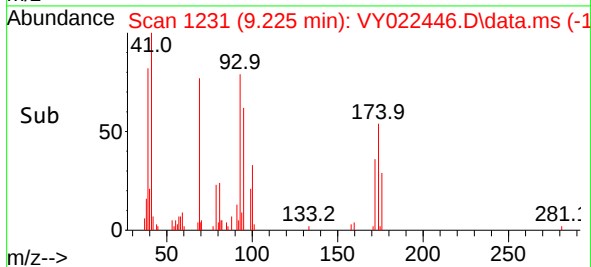
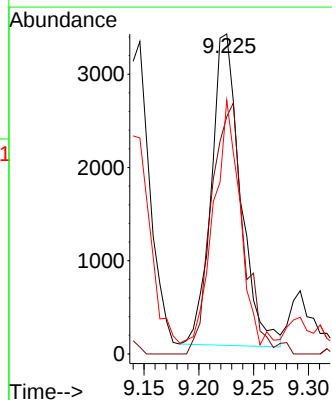
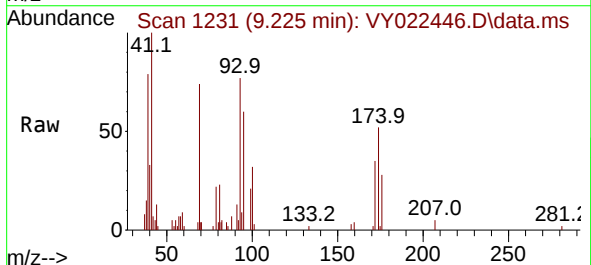
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

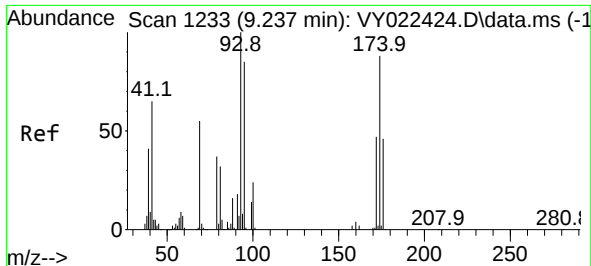
Tgt Ion: 83 Resp: 13414
Ion Ratio Lower Upper
83 100
85 69.8 49.8 74.6
127 9.6 6.6 9.8



#48
Methyl methacrylate
Concen: 4.195 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion: 41 Resp: 6178
Ion Ratio Lower Upper
41 100
69 89.5 70.3 105.5
39 78.6 55.4 83.0





#49

1,4-Dioxane

Concen: 70.429 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022446.D

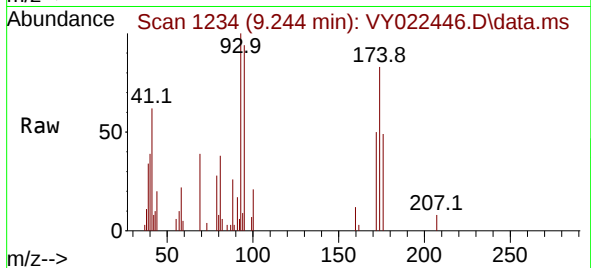
Acq: 28 May 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



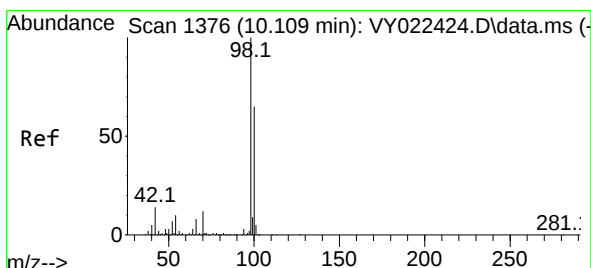
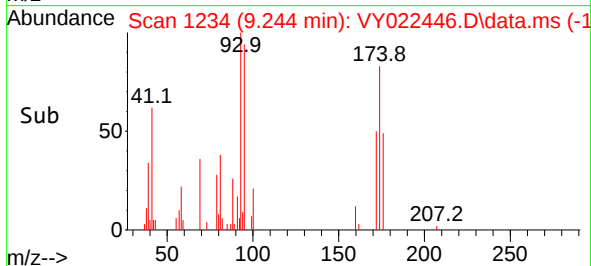
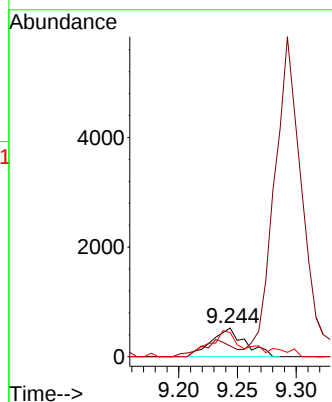
Tgt Ion: 88 Resp: 1038

Ion Ratio Lower Upper

88 100

43 51.9 26.9 40.3#

58 105.7 55.8 83.6#



#50

Toluene-d8

Concen: 50.656 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY022446.D

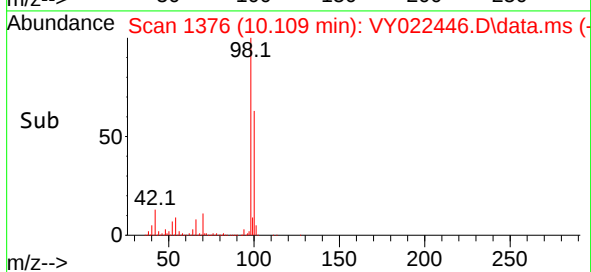
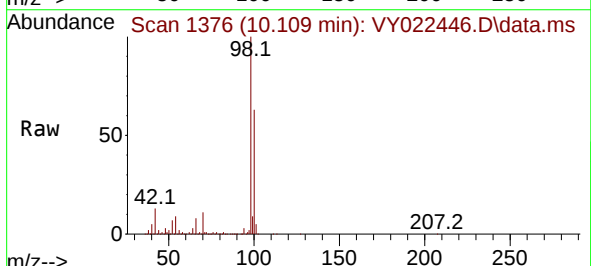
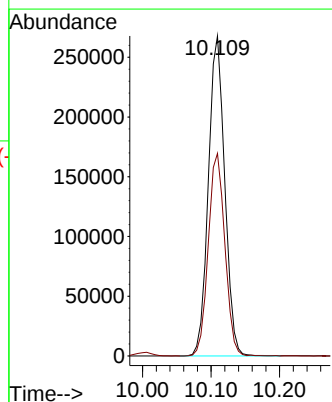
Acq: 28 May 2025 12:25

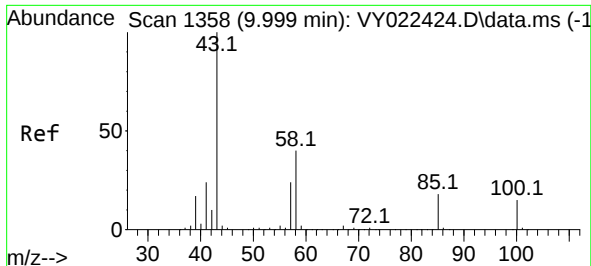
Tgt Ion: 98 Resp: 444614

Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.2

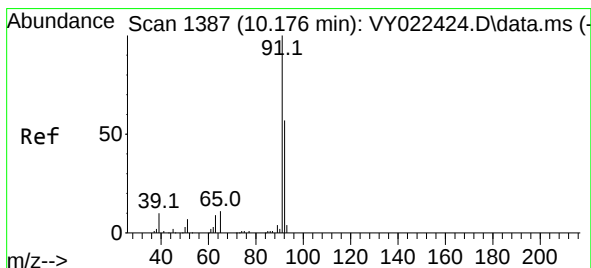
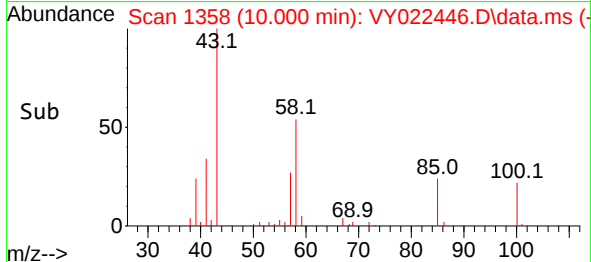
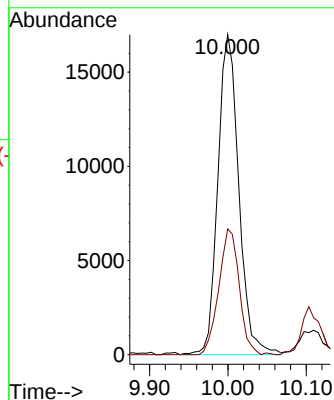
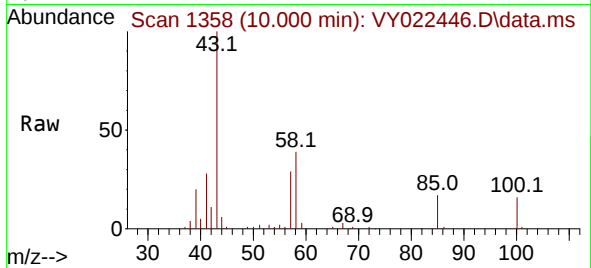




#51
4-Methyl-2-Pentanone
Concen: 20.185 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

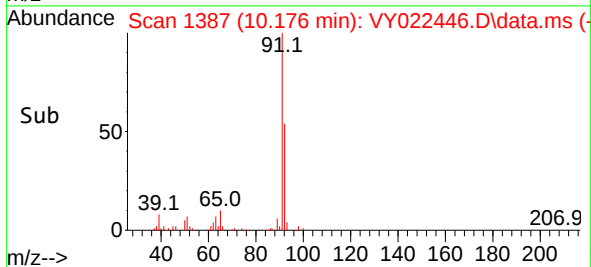
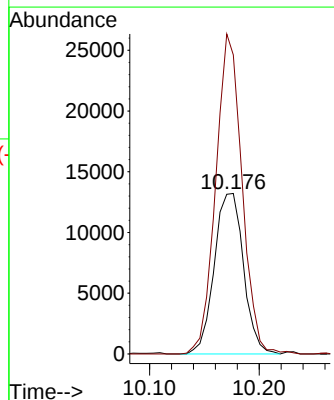
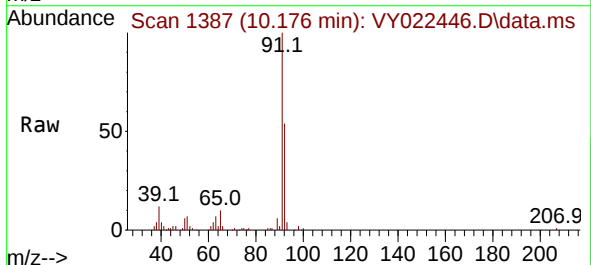
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

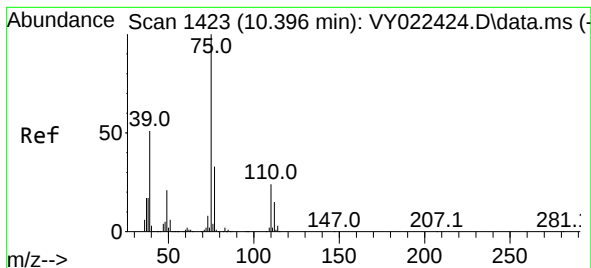
Tgt Ion: 43 Resp: 31600
Ion Ratio Lower Upper
43 100
58 38.4 31.2 46.8



#52
Toluene
Concen: 3.849 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion: 92 Resp: 24442
Ion Ratio Lower Upper
92 100
91 179.6 139.8 209.6

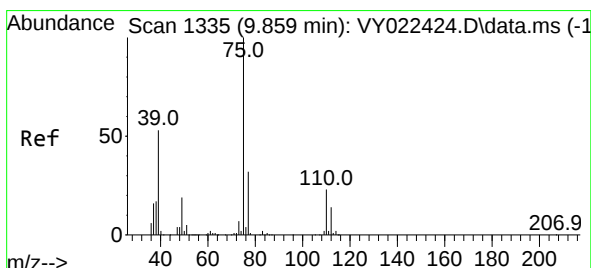
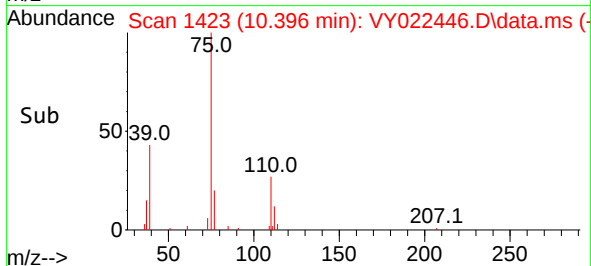
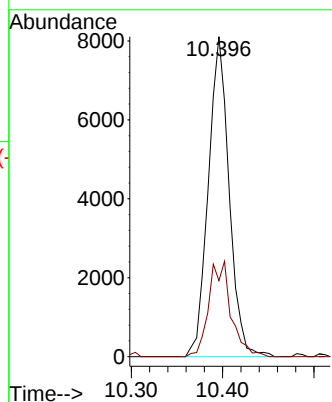
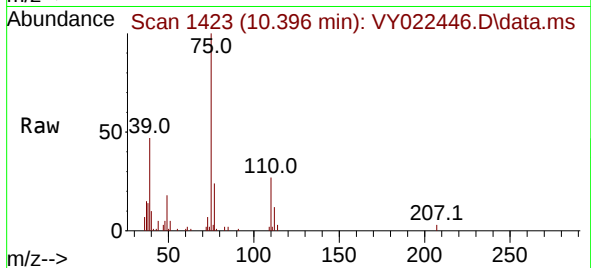




#53
t-1,3-Dichloropropene
Concen: 4.010 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

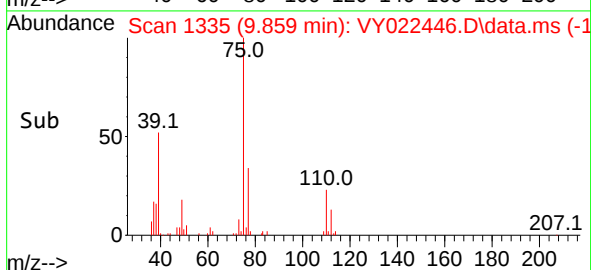
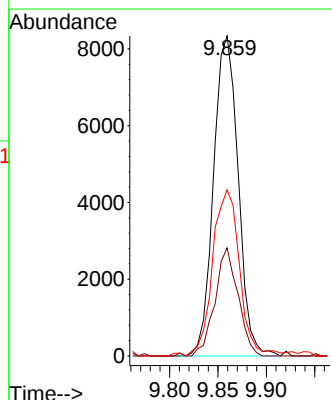
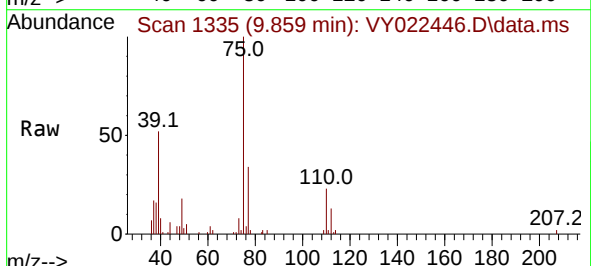
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

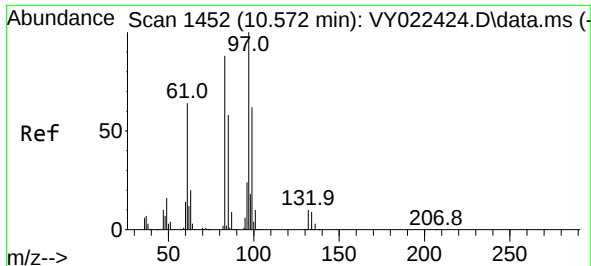
Tgt Ion: 75 Resp: 12818
Ion Ratio Lower Upper
75 100
77 23.8 26.2 39.2#



#54
cis-1,3-Dichloropropene
Concen: 3.926 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion: 75 Resp: 14744
Ion Ratio Lower Upper
75 100
77 33.8 25.4 38.2
39 51.1 42.5 63.7

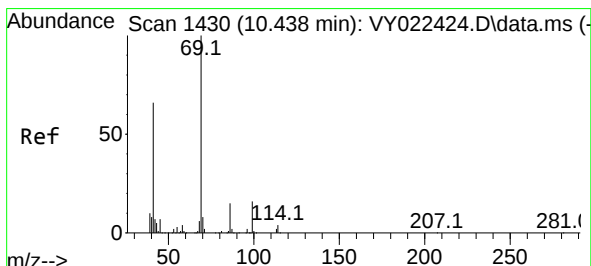
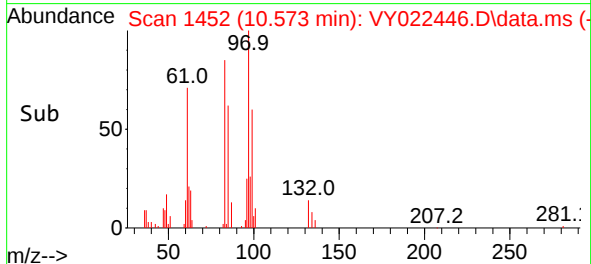
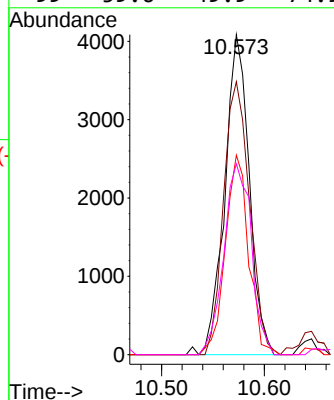
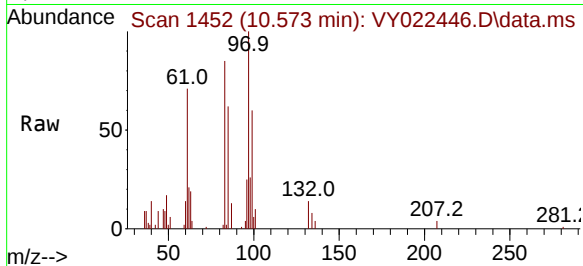




#55
1,1,2-Trichloroethane
Concen: 3.999 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

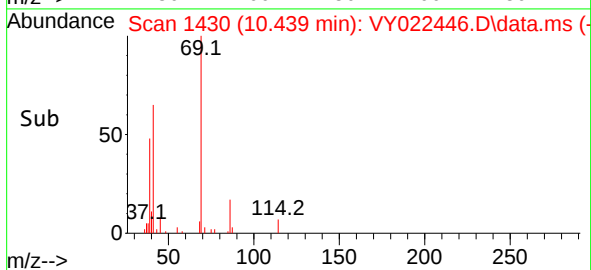
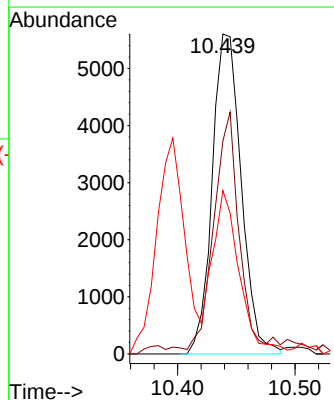
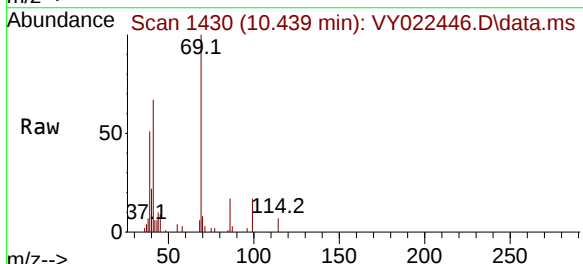
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

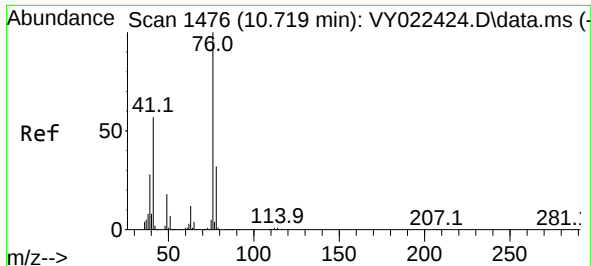
Tgt Ion: 97	Resp: 6747
Ion Ratio	Lower Upper
97 100	
83 85.3	70.2 105.4
85 62.3	46.1 69.1
99 59.6	49.9 74.9



#56
Ethyl methacrylate
Concen: 3.978 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion: 69	Resp: 9630
Ion Ratio	Lower Upper
69 100	
41 61.3	51.2 76.8
39 47.5	35.2 52.8





#57

1,3-Dichloropropane

Concen: 4.337 ug/l

RT: 10.713 min Scan# 1476

Delta R.T. -0.006 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

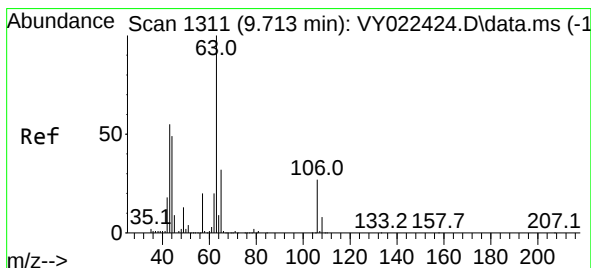
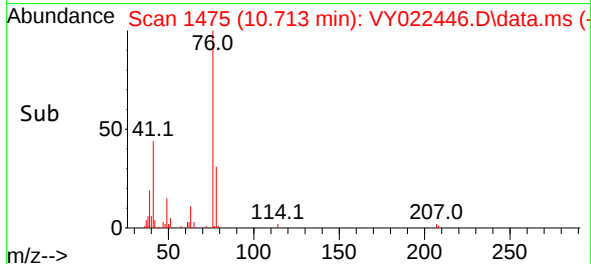
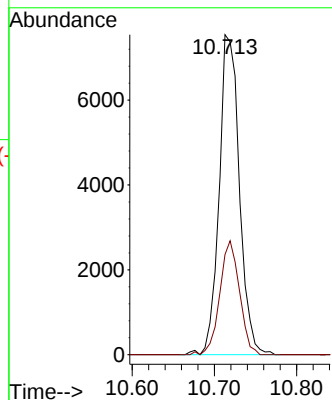
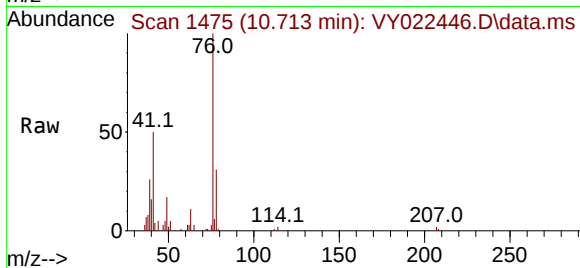
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 76 Resp: 12894

Ion Ratio Lower Upper

76 100

78 34.6 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 20.675 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY022446.D

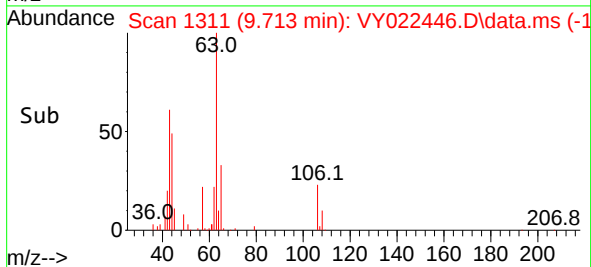
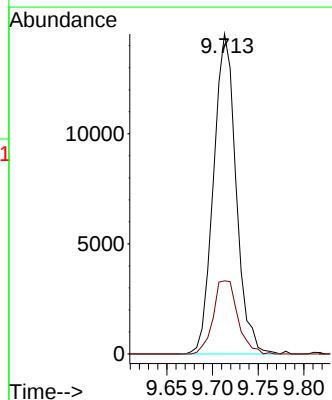
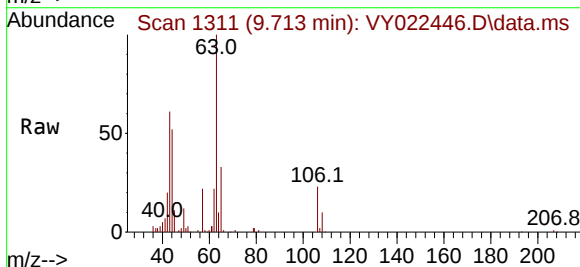
Acq: 28 May 2025 12:25

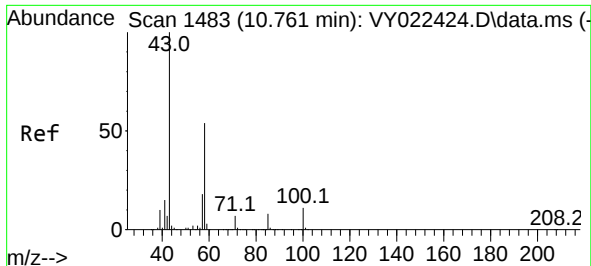
Tgt Ion: 63 Resp: 24946

Ion Ratio Lower Upper

63 100

106 24.8 22.2 33.2





#59

2-Hexanone

Concen: 20.626 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

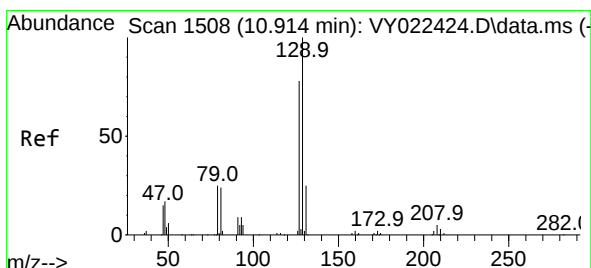
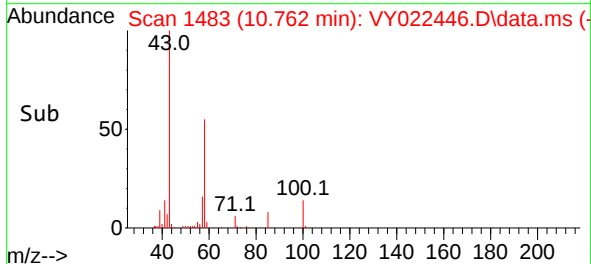
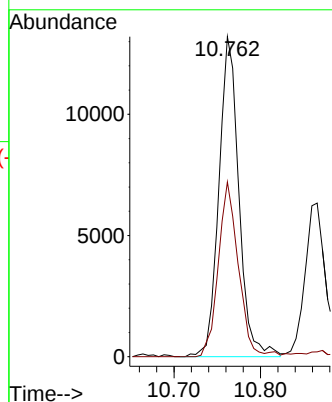
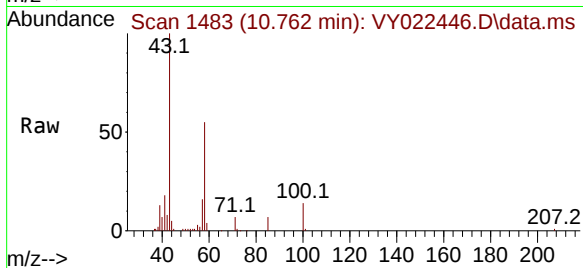
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 43 Resp: 21161

Ion Ratio Lower Upper

43 100

58 54.1 27.1 81.2



#60

Dibromochloromethane

Concen: 3.944 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. -0.006 min

Lab File: VY022446.D

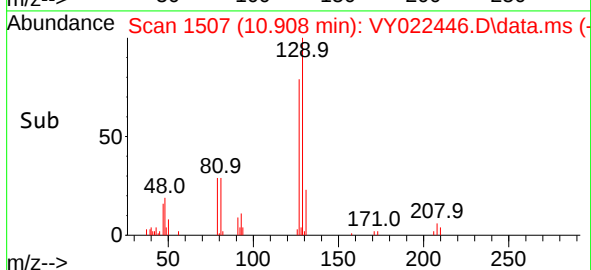
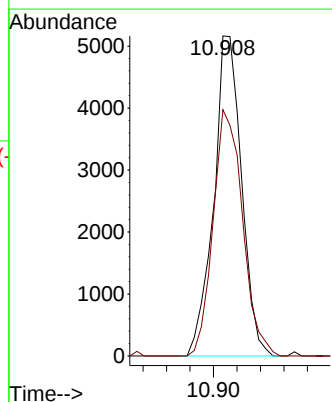
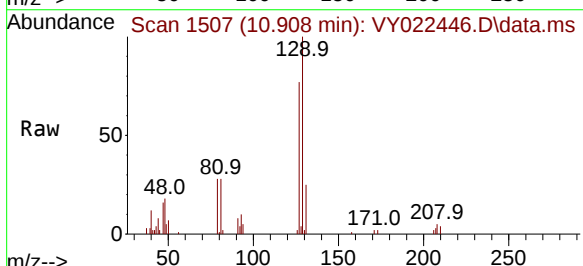
Acq: 28 May 2025 12:25

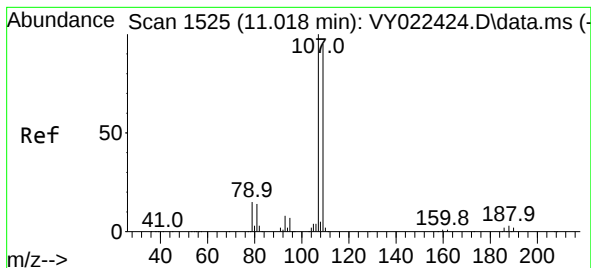
Tgt Ion: 129 Resp: 8500

Ion Ratio Lower Upper

129 100

127 81.3 38.3 114.8





#61

1,2-Dibromoethane

Concen: 4.154 ug/l

RT: 11.018 min Scan# 1525

Delta R.T. 0.000 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

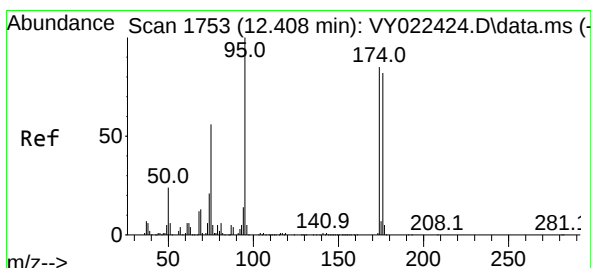
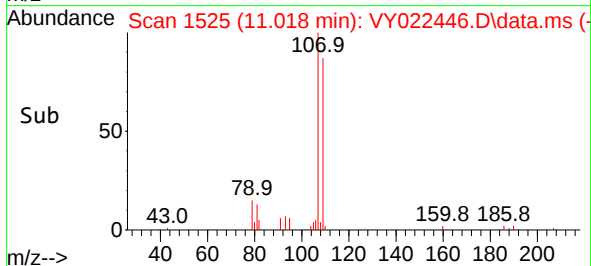
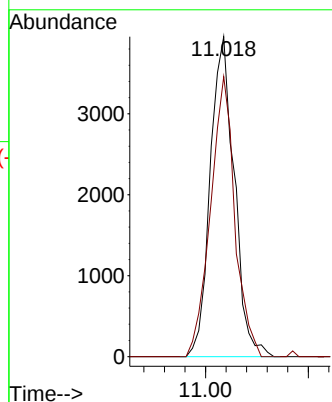
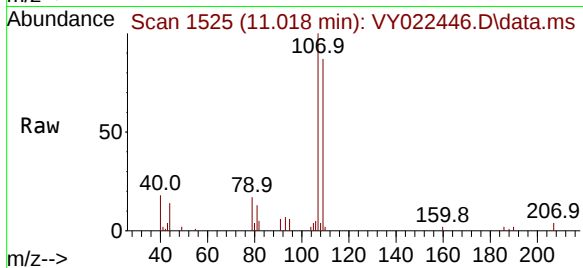
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:107 Resp: 6410

Ion Ratio Lower Upper

107 100

109 88.4 74.0 111.0



#62

4-Bromofluorobenzene

Concen: 47.090 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

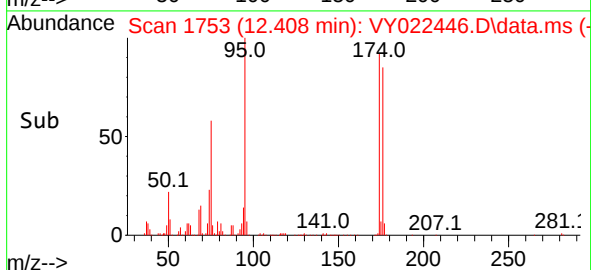
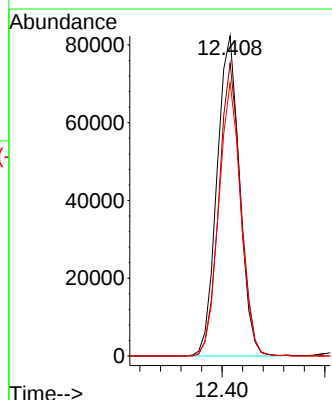
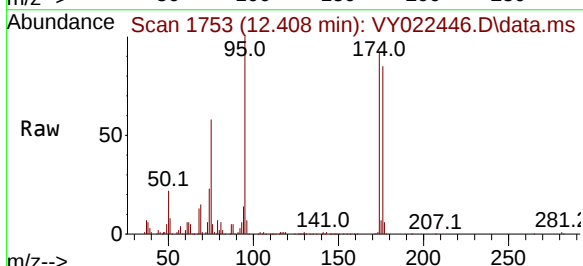
Tgt Ion: 95 Resp: 125022

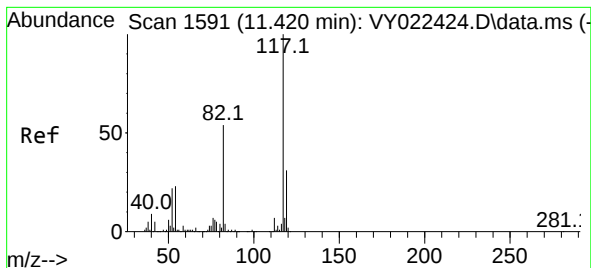
Ion Ratio Lower Upper

95 100

174 88.7 0.0 171.6

176 83.7 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022446.D

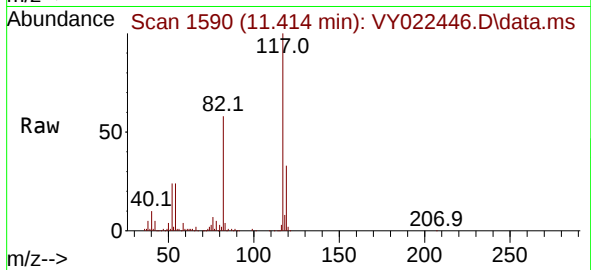
Acq: 28 May 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



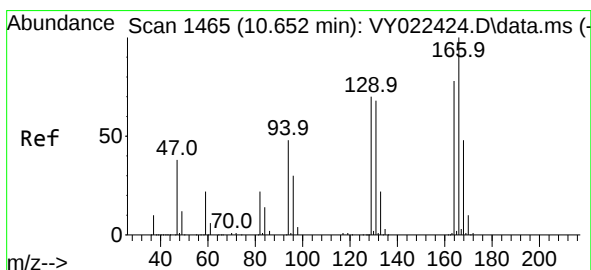
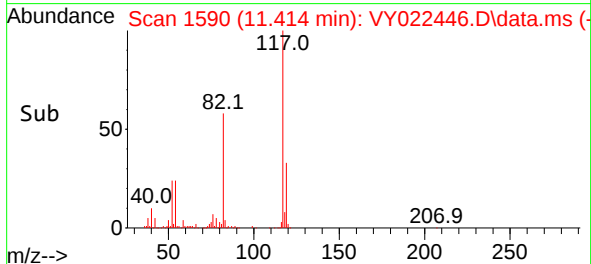
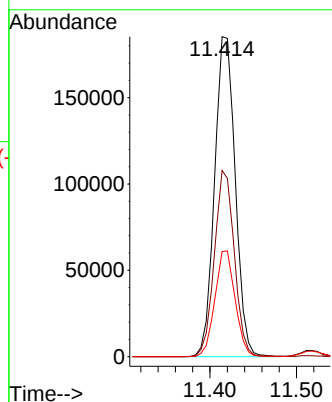
Tgt Ion:117 Resp: 307473

Ion Ratio Lower Upper

117 100

82 58.2 43.3 64.9

119 32.9 24.5 36.7



#64

Tetrachloroethene

Concen: 3.953 ug/l

RT: 10.652 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

Tgt Ion:164 Resp: 10351

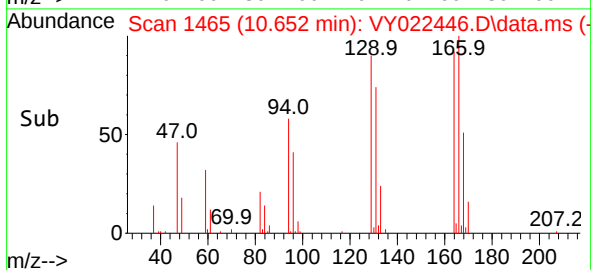
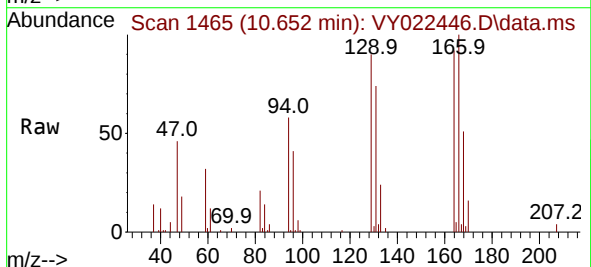
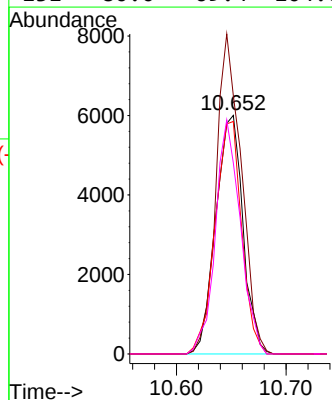
Ion Ratio Lower Upper

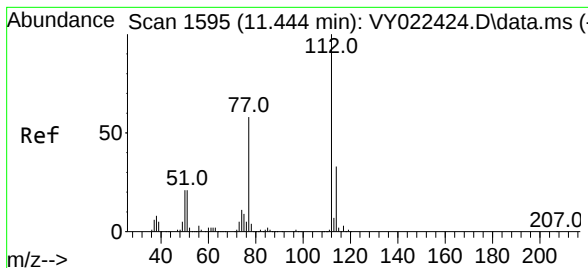
164 100

166 108.3 102.0 153.0

129 97.4 71.3 106.9

131 80.0 69.4 104.0





#65

Chlorobenzene

Concen: 3.999 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. 0.000 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

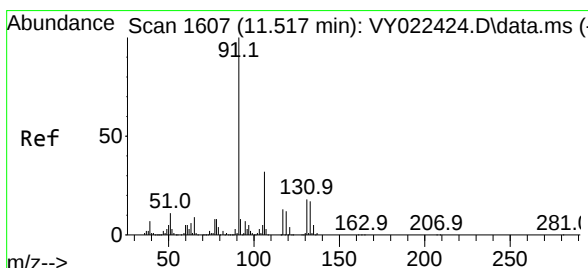
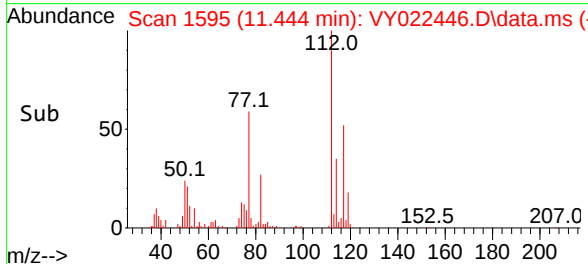
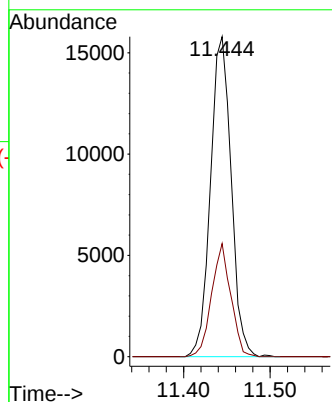
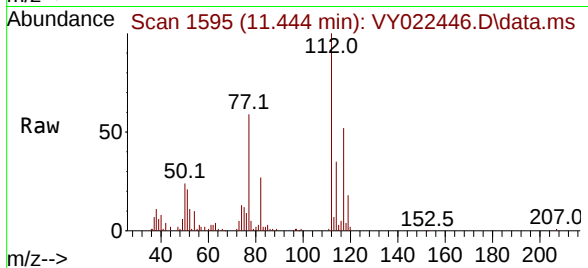
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:112 Resp: 26218

Ion Ratio Lower Upper

112 100

114 35.4 26.1 39.1



#66

1,1,1,2-Tetrachloroethane

Concen: 3.745 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

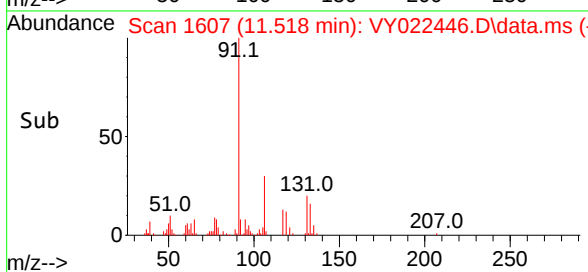
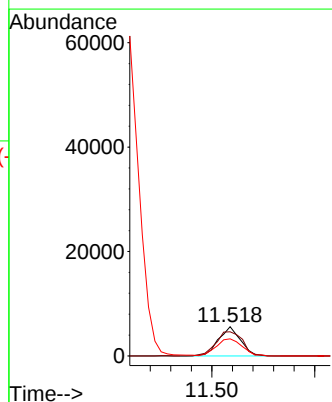
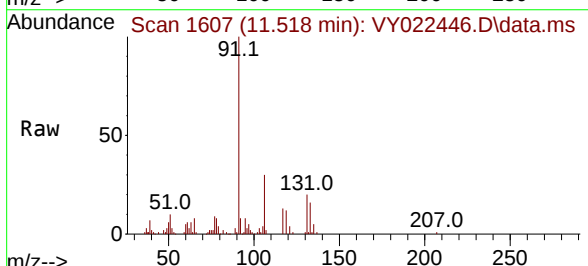
Tgt Ion:131 Resp: 8320

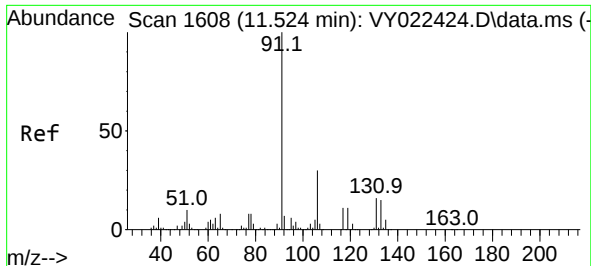
Ion Ratio Lower Upper

131 100

133 100.7 46.6 139.8

119 68.5 33.3 99.8





#67

Ethyl Benzene

Concen: 3.708 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

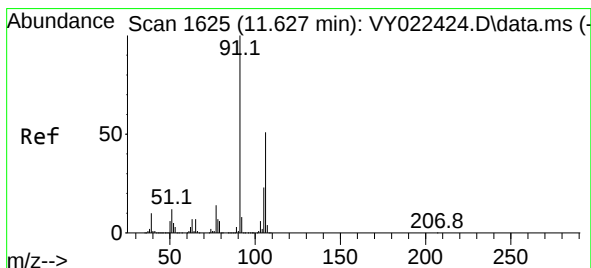
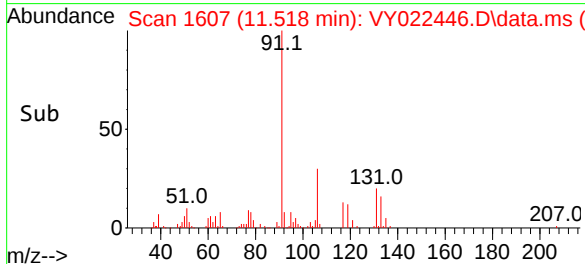
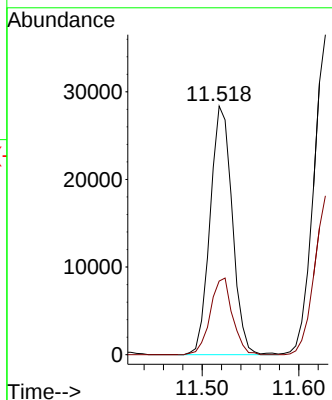
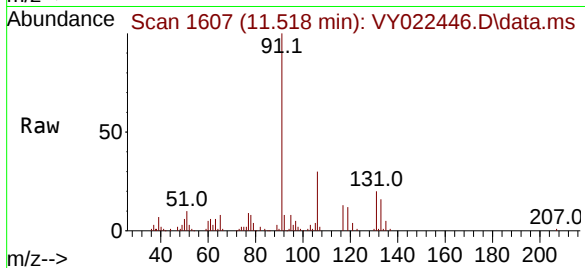
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 91 Resp: 45134

Ion Ratio Lower Upper

91 100

106 29.6 24.4 36.6



#68

m/p-Xylenes

Concen: 7.239 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY022446.D

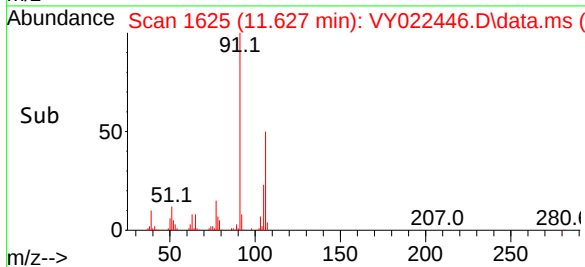
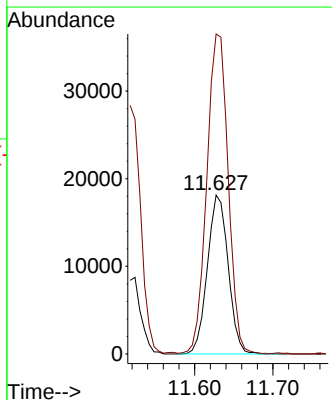
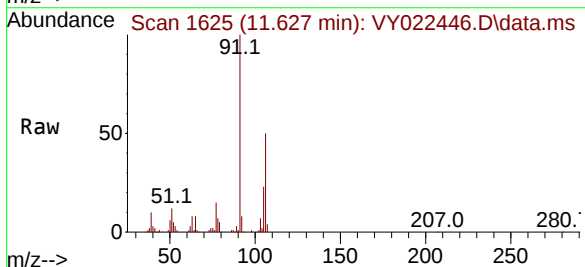
Acq: 28 May 2025 12:25

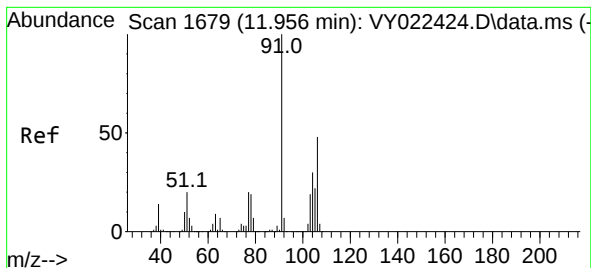
Tgt Ion:106 Resp: 33413

Ion Ratio Lower Upper

106 100

91 207.2 159.8 239.8





#69

o-Xylene

Concen: 3.615 ug/l

RT: 11.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

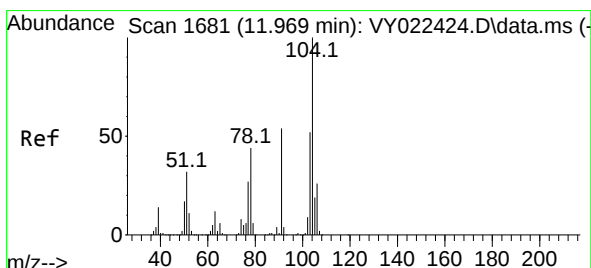
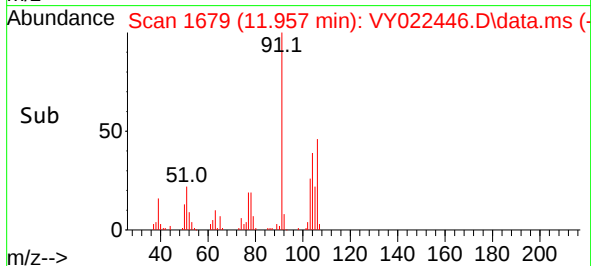
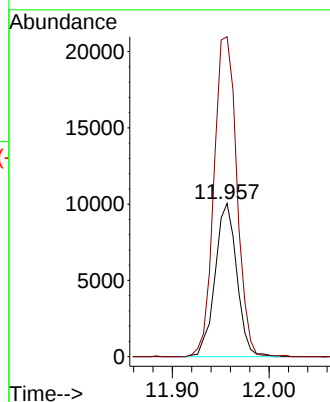
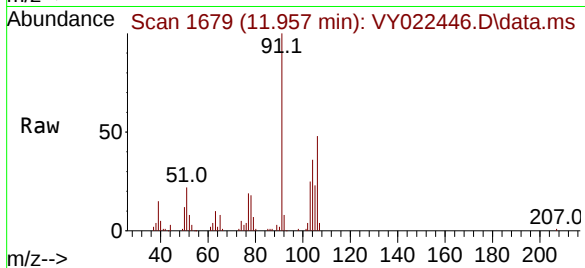
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:106 Resp: 15681

Ion Ratio Lower Upper

106 100

91 219.7 106.3 318.9



#70

Styrene

Concen: 3.739 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

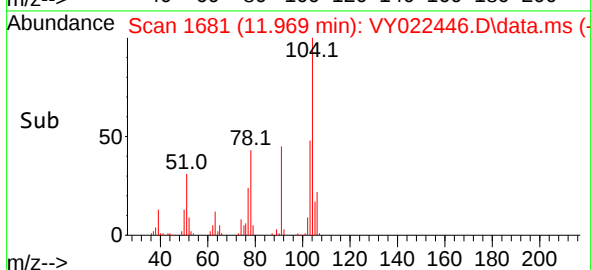
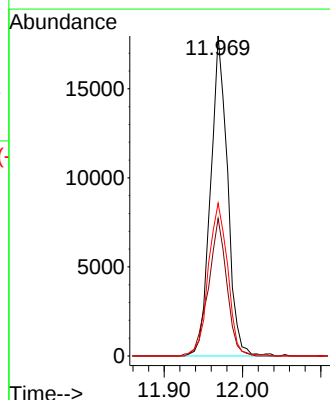
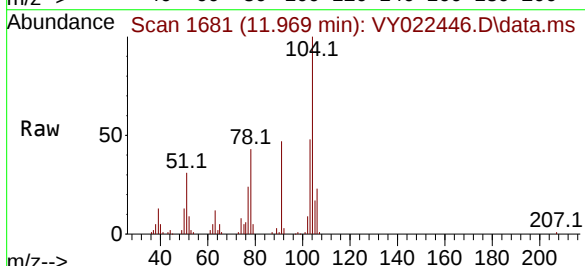
Tgt Ion:104 Resp: 27004

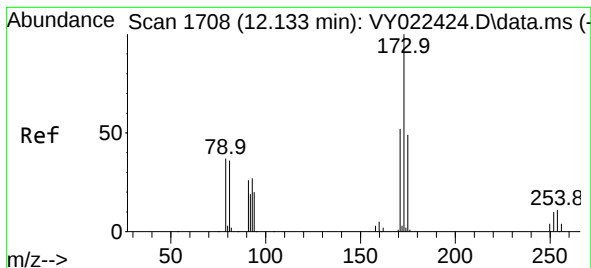
Ion Ratio Lower Upper

104 100

78 46.4 38.8 58.2

103 54.5 43.4 65.2





#71

Bromoform

Concen: 4.246 ug/l

RT: 12.127 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

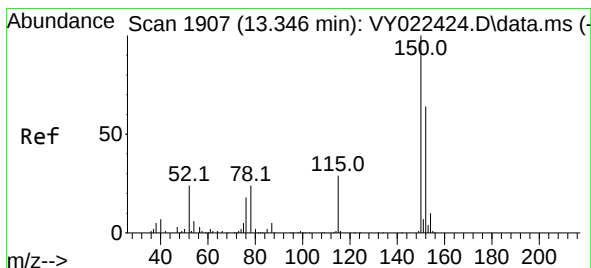
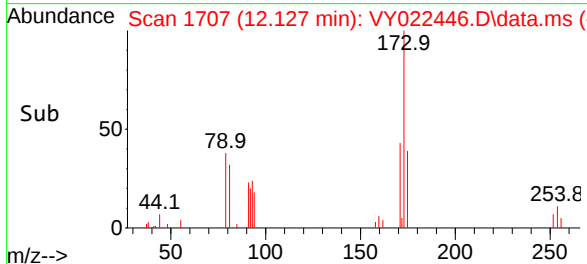
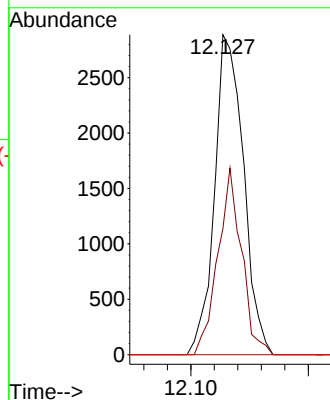
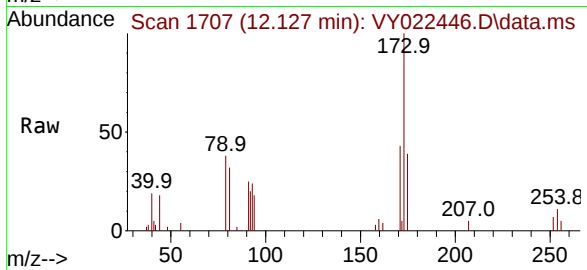
Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:	173	Resp:	4940
Ion Ratio	Lower	Upper	
173	100		
175	47.8	24.3	73.0
254	0.0	0.1	0.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

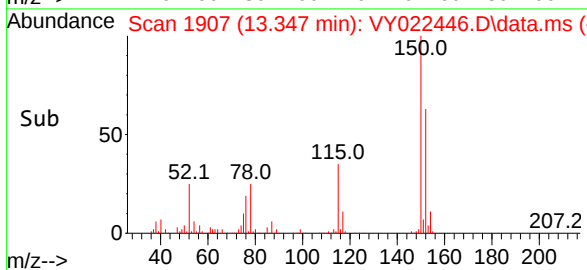
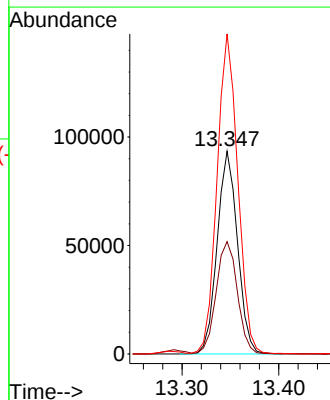
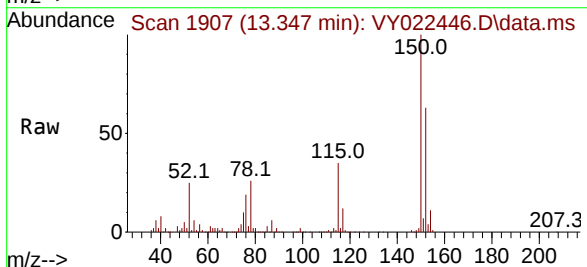
RT: 13.347 min Scan# 1907

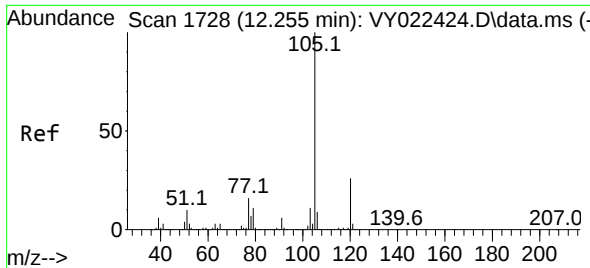
Delta R.T. 0.000 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

Tgt Ion:	152	Resp:	136413
Ion Ratio	Lower	Upper	
152	100		
115	57.9	28.4	85.3
150	161.0	0.0	345.8

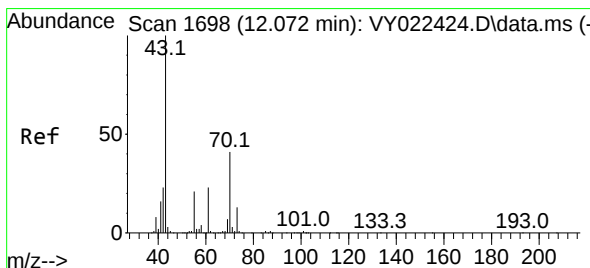
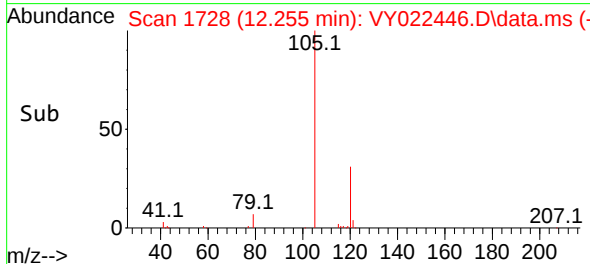
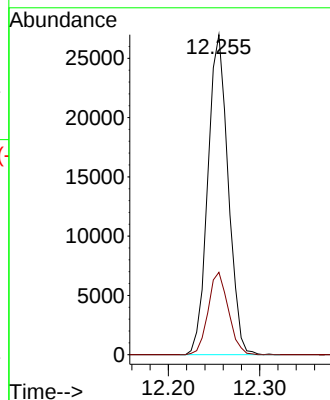
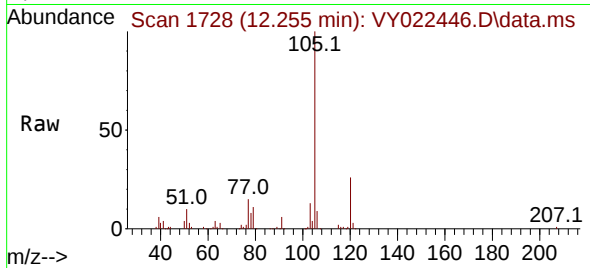




#73
Isopropylbenzene
Concen: 3.883 ug/l
RT: 12.255 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

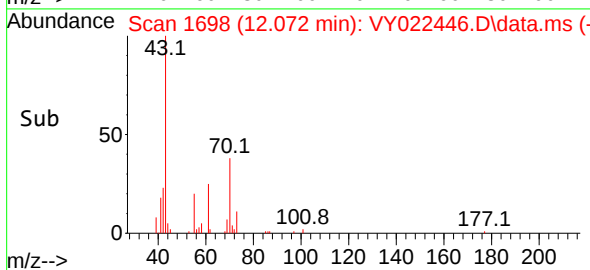
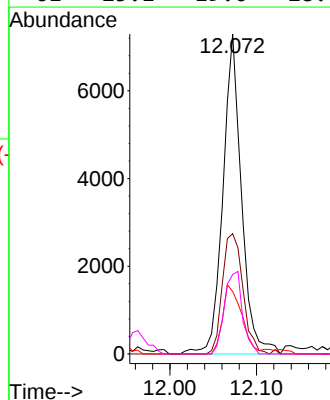
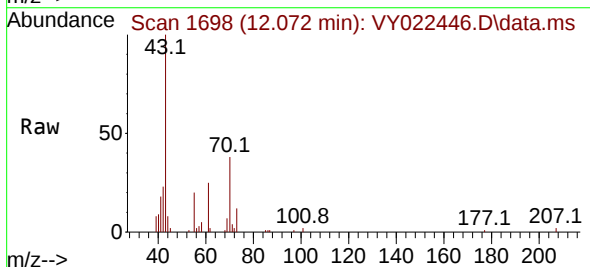
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

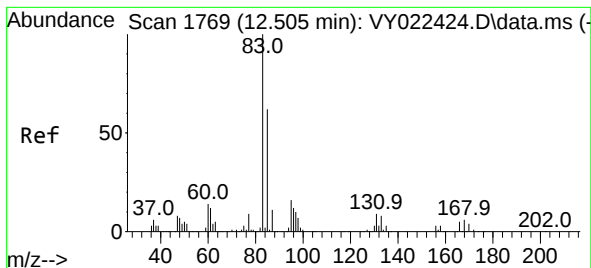
Tgt Ion:105 Resp: 41690
Ion Ratio Lower Upper
105 100
120 25.6 13.2 39.5



#74
N-ethyl acetate
Concen: 4.136 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion: 43 Resp: 10866
Ion Ratio Lower Upper
43 100
70 41.4 33.0 49.4
55 22.7 17.5 26.3
61 25.1 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 4.233 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

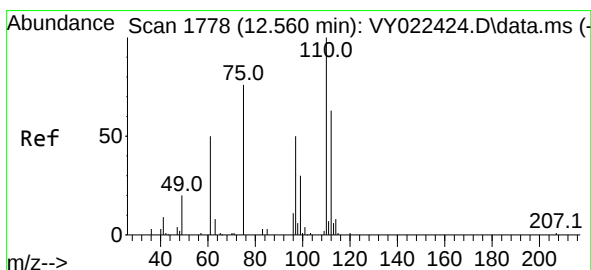
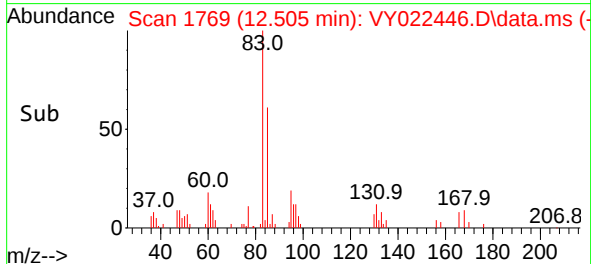
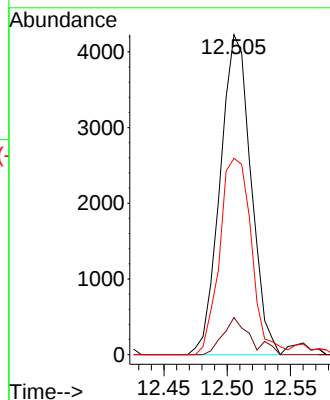
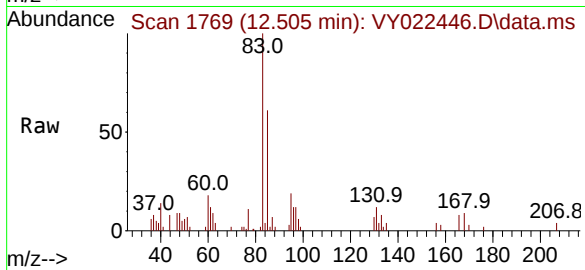
Tgt Ion: 83 Resp: 7160

Ion Ratio Lower Upper

83 100

131 10.4 4.8 14.4

85 63.4 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 7.248 ug/l

RT: 12.554 min Scan# 1777

Delta R.T. -0.006 min

Lab File: VY022446.D

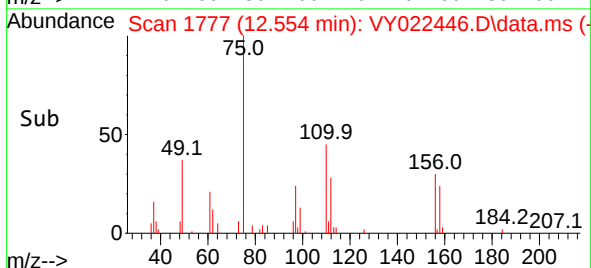
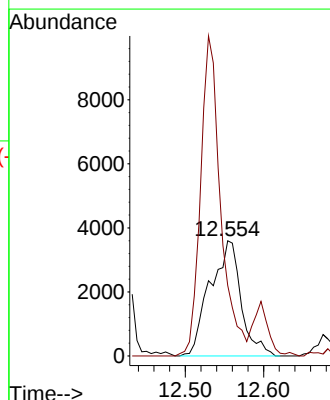
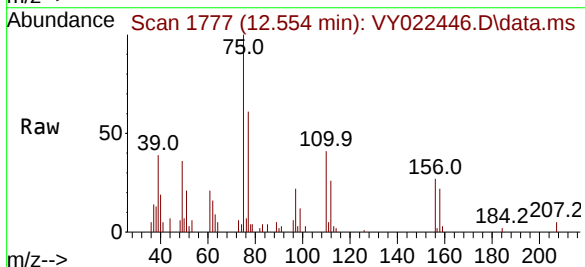
Acq: 28 May 2025 12:25

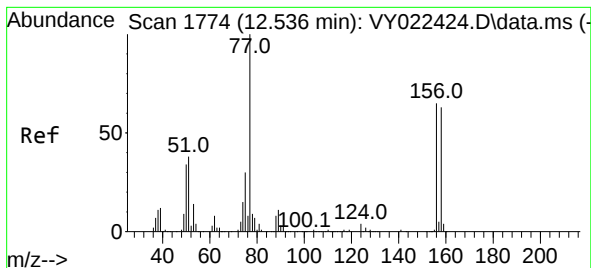
Tgt Ion: 75 Resp: 9903

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.030 ug/l

RT: 12.536 min Scan# 1774

Delta R.T. 0.000 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

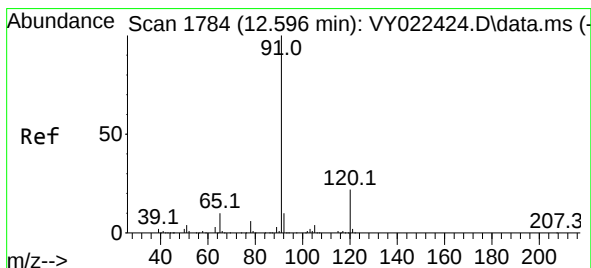
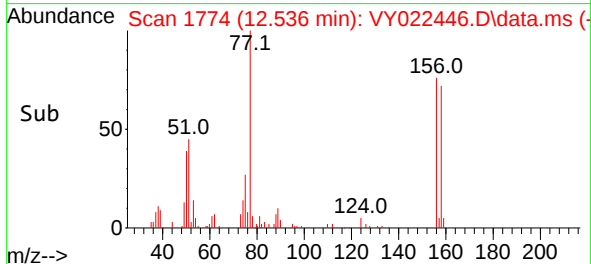
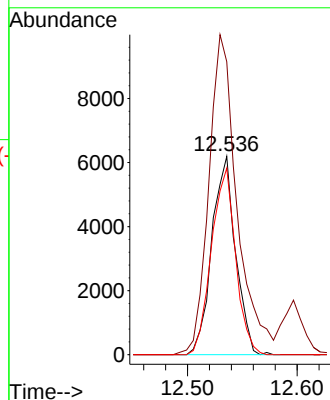
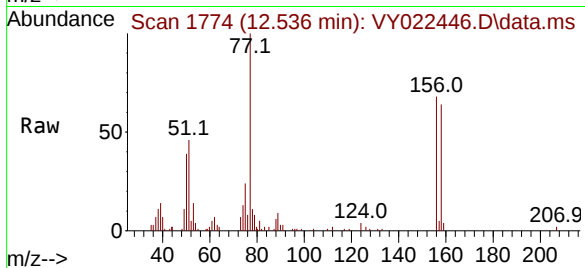
Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:	156	Resp:	9312
Ion Ratio	Lower	Upper	
156	100		
77	191.9	91.4	274.2
158	95.8	48.1	144.3



#78

n-propylbenzene

Concen: 4.028 ug/l

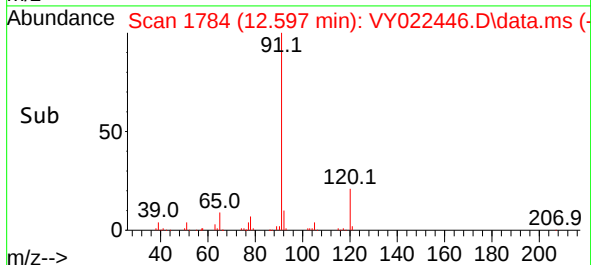
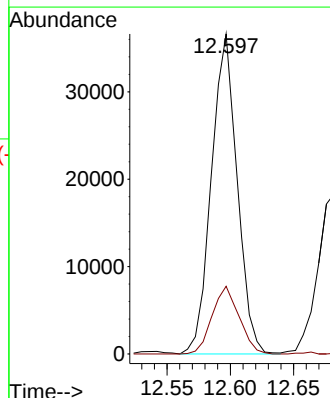
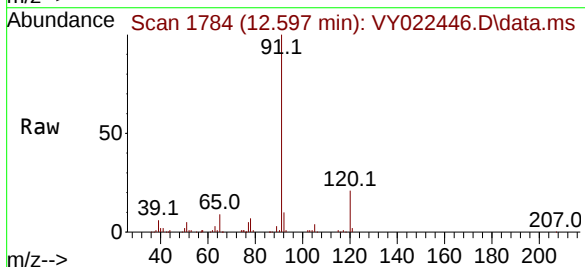
RT: 12.597 min Scan# 1784

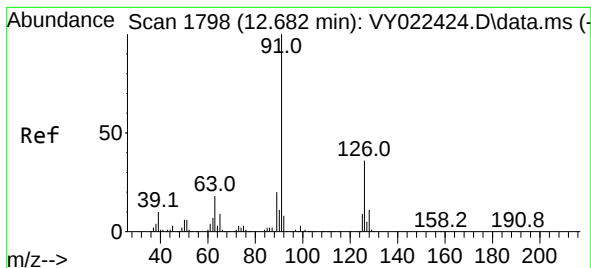
Delta R.T. 0.000 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

Tgt Ion:	91	Resp:	51896
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.2	33.5

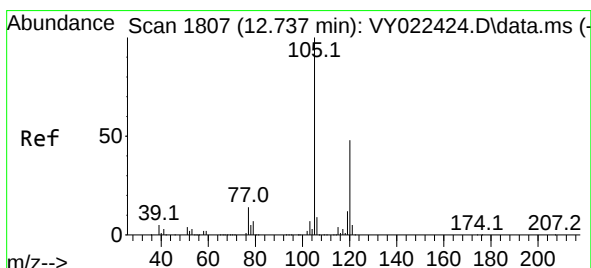
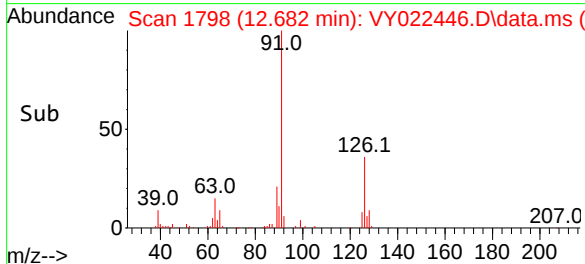
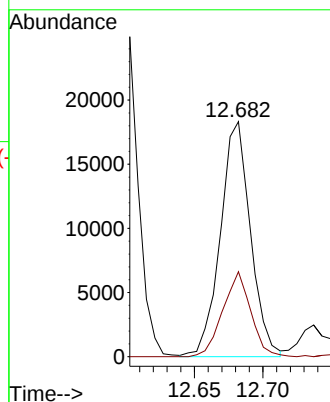
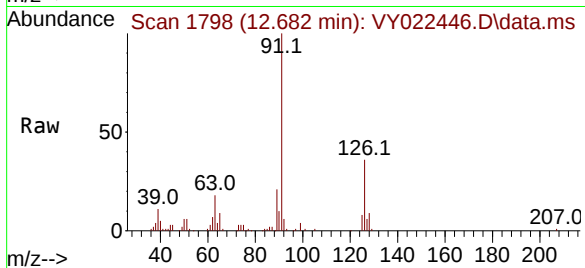




#79
2-Chlorotoluene
Concen: 4.019 ug/l
RT: 12.682 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

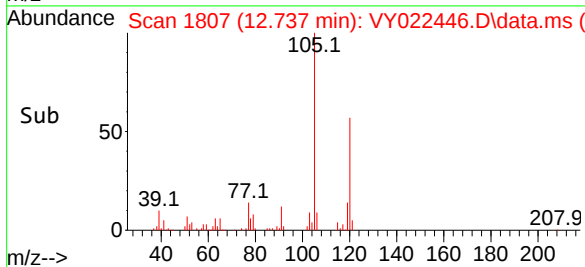
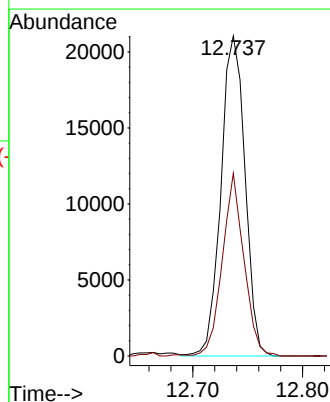
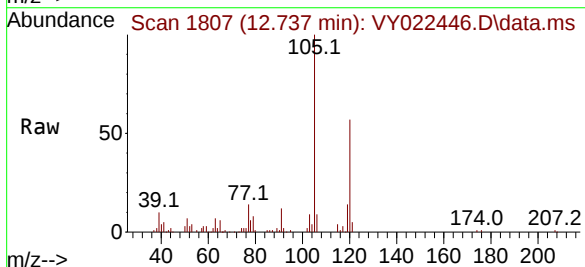
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

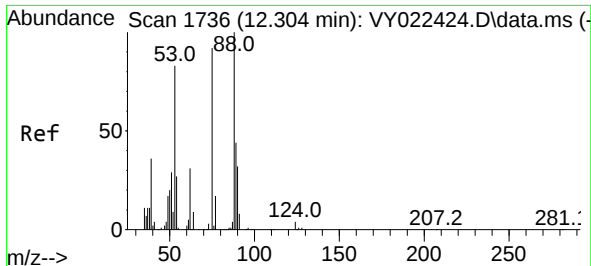
Tgt Ion: 91 Resp: 28030
Ion Ratio Lower Upper
91 100
126 33.5 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 3.823 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion:105 Resp: 32072
Ion Ratio Lower Upper
105 100
120 51.6 24.3 73.0

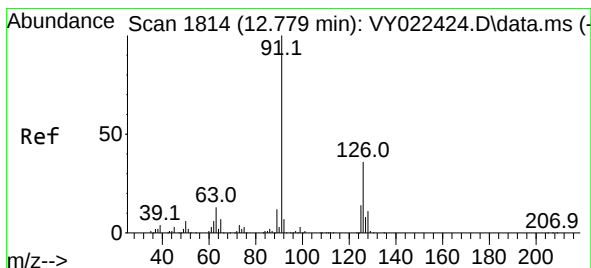
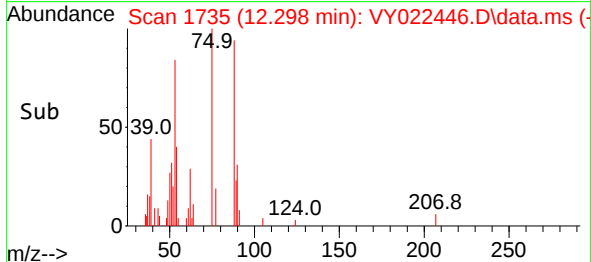
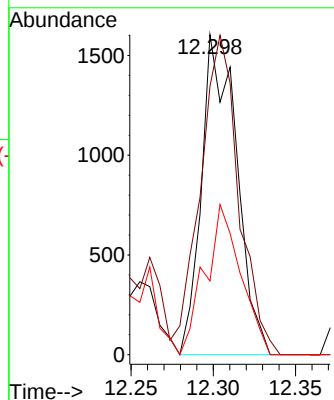
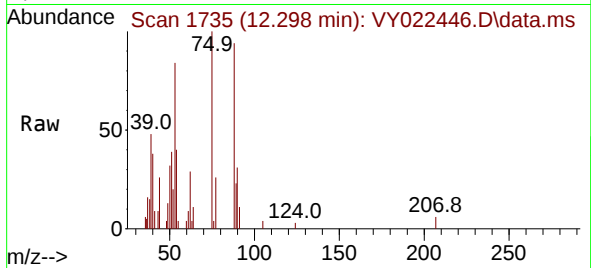




#81
trans-1,4-Dichloro-2-butene
Concen: 3.922 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

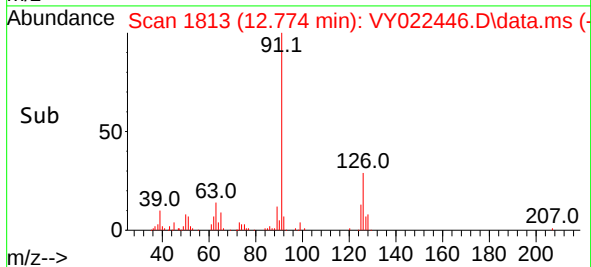
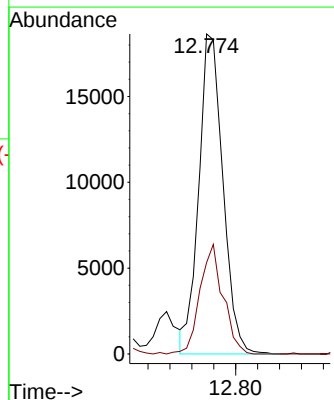
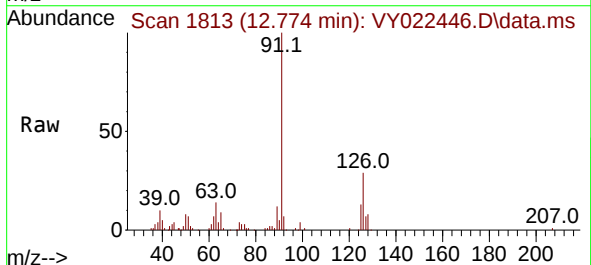
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

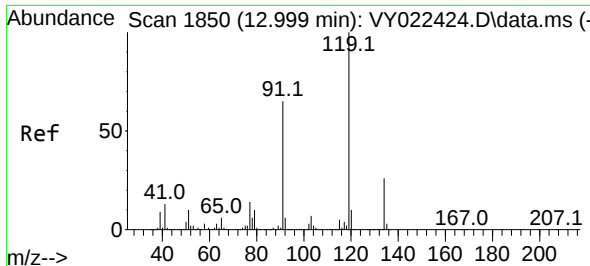
Tgt Ion: 75 Resp: 2370
Ion Ratio Lower Upper
75 100
53 109.7 75.1 112.7
89 47.8 37.4 56.0



#82
4-Chlorotoluene
Concen: 3.967 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion: 91 Resp: 28496
Ion Ratio Lower Upper
91 100
126 33.0 17.2 51.6

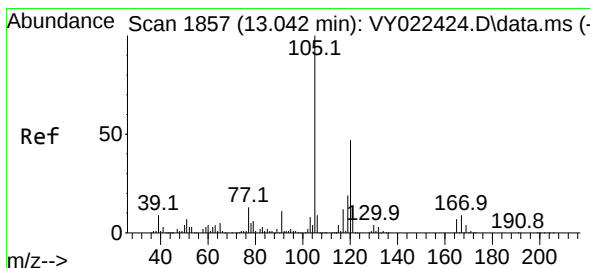
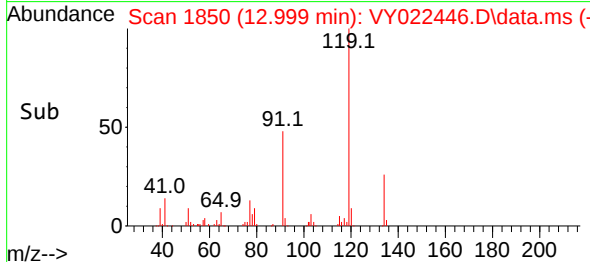
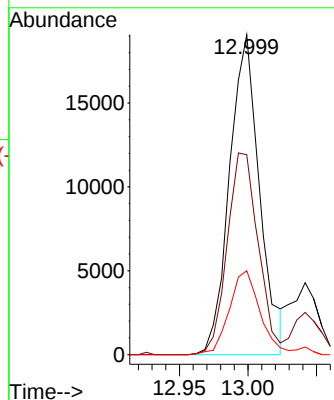
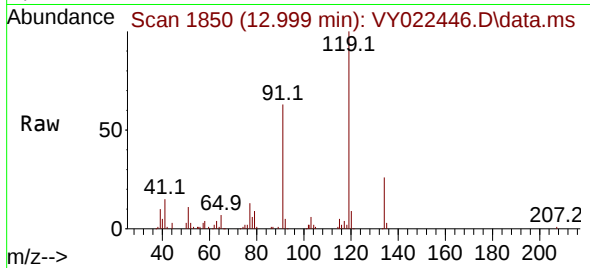




#83
 tert-Butylbenzene
 Concen: 3.839 ug/l
 RT: 12.999 min Scan# 1850
 Delta R.T. 0.000 min
 Lab File: VY022446.D
 Acq: 28 May 2025 12:25

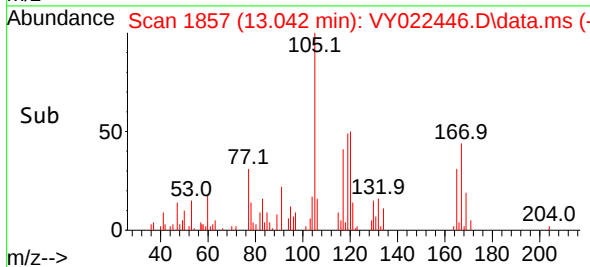
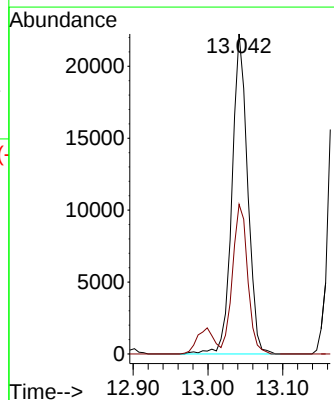
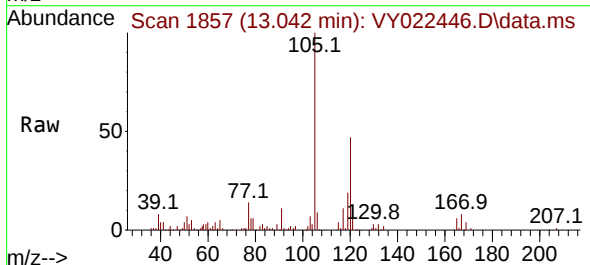
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

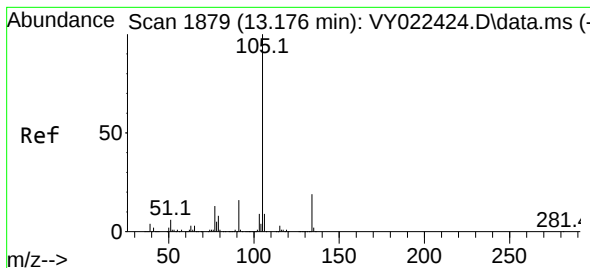
Tgt Ion:	119	Resp:	29094
Ion	Ratio	Lower	Upper
119	100		
91	65.2	31.8	95.3
134	26.8	13.0	38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 3.836 ug/l
 RT: 13.042 min Scan# 1857
 Delta R.T. 0.000 min
 Lab File: VY022446.D
 Acq: 28 May 2025 12:25

Tgt Ion:	105	Resp:	32384
Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.9	68.5





#85

sec-Butylbenzene

Concen: 3.831 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

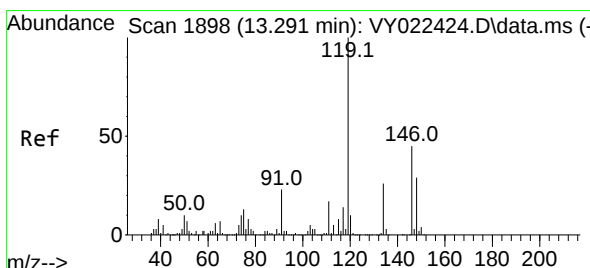
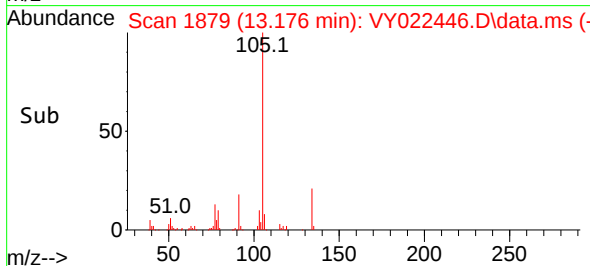
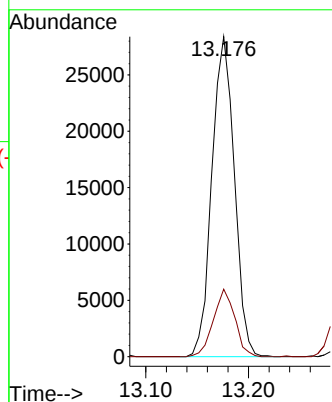
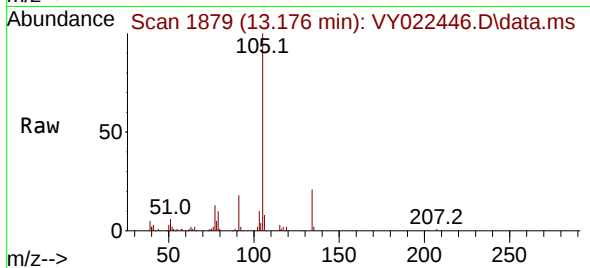
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:105 Resp: 43062

Ion Ratio Lower Upper

105 100

134 20.2 9.7 29.1



#86

p-Isopropyltoluene

Concen: 3.686 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

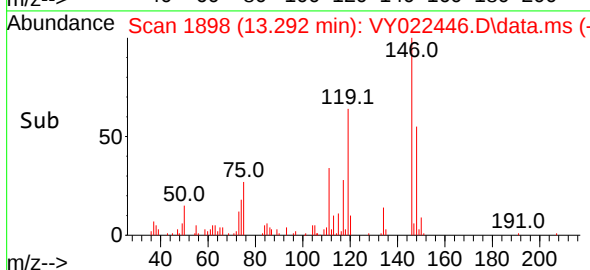
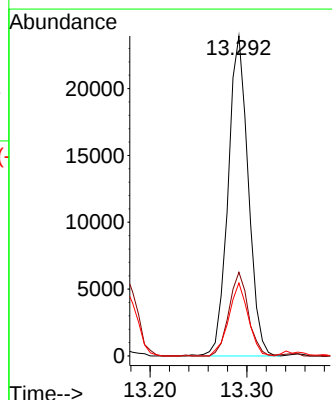
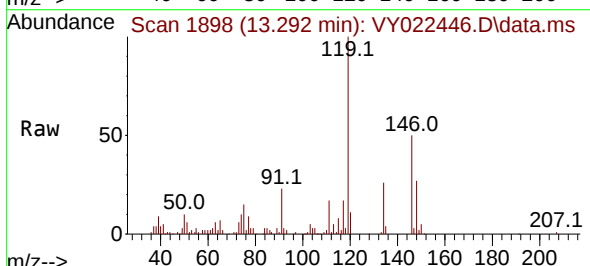
Tgt Ion:119 Resp: 34598

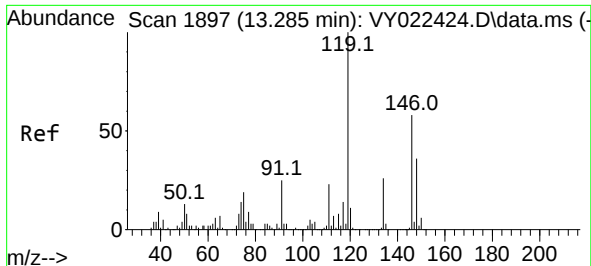
Ion Ratio Lower Upper

119 100

134 25.4 13.0 39.0

91 22.1 11.6 34.8

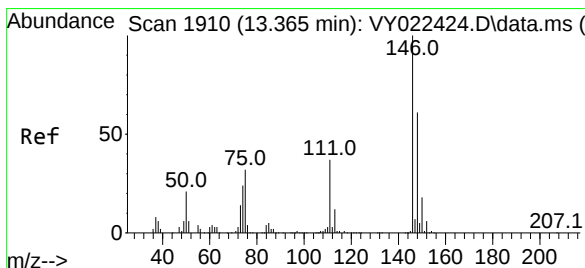
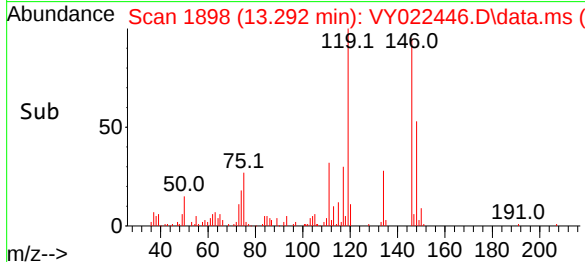
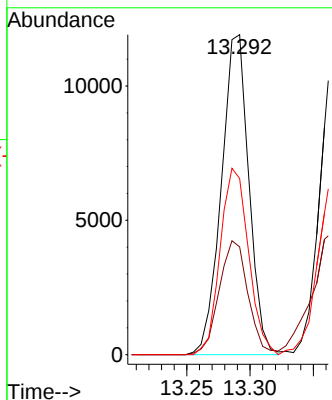
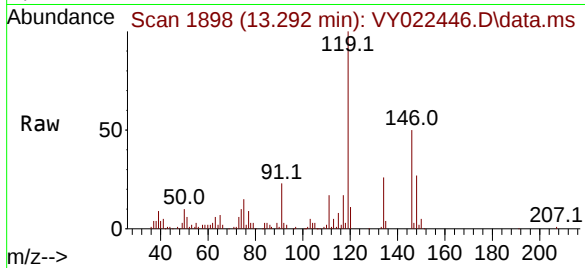




#87
1,3-Dichlorobenzene
Concen: 3.881 ug/l
RT: 13.292 min Scan# 1897
Delta R.T. 0.006 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

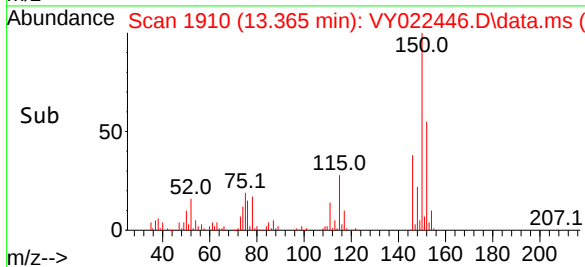
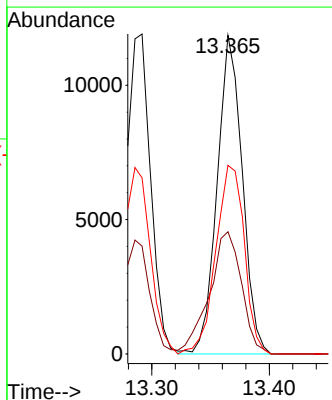
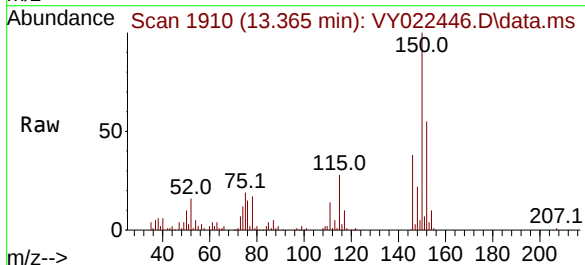
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

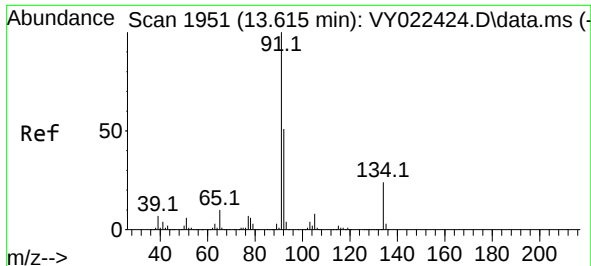
Tgt Ion:146 Resp: 18041
Ion Ratio Lower Upper
146 100
111 37.4 19.6 58.8
148 60.0 31.7 95.1



#88
1,4-Dichlorobenzene
Concen: 3.966 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion:146 Resp: 17631
Ion Ratio Lower Upper
146 100
111 49.1 18.7 56.1
148 67.2 31.4 94.3





#89

n-Butylbenzene

Concen: 3.705 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

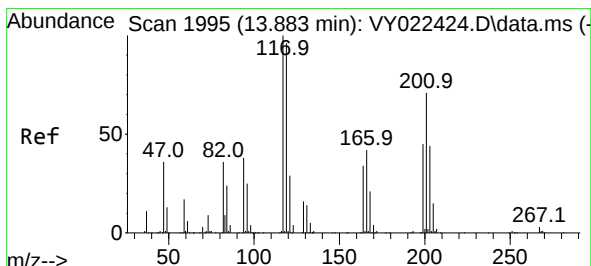
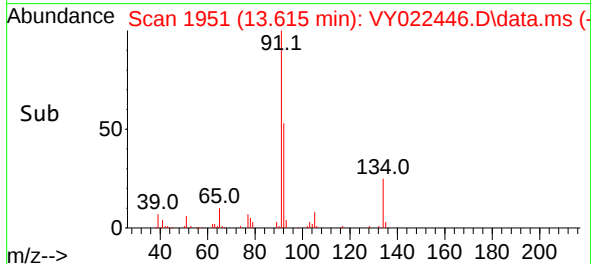
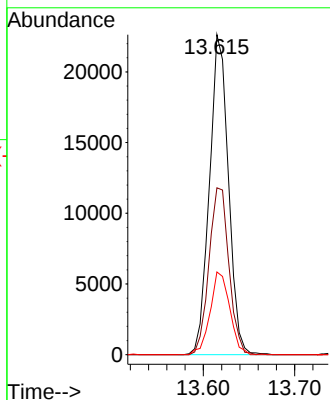
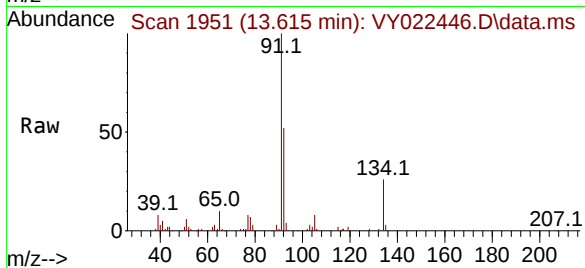
Tgt Ion: 91 Resp: 32603

Ion Ratio Lower Upper

91 100

92 54.9 25.9 77.6

134 26.8 12.4 37.0



#90

Hexachloroethane

Concen: 4.058 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.006 min

Lab File: VY022446.D

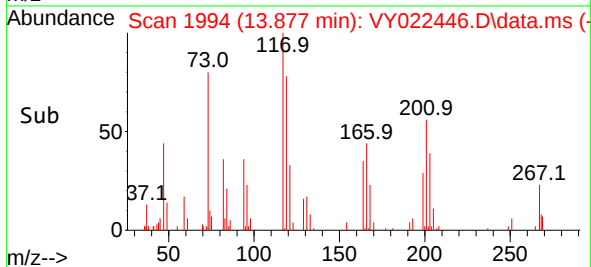
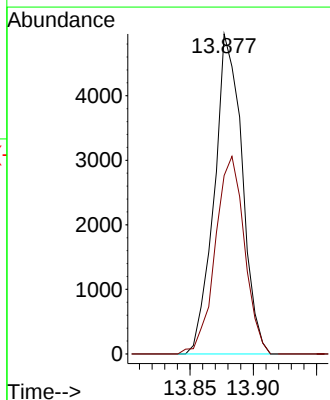
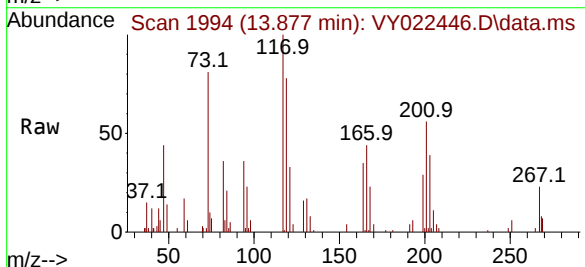
Acq: 28 May 2025 12:25

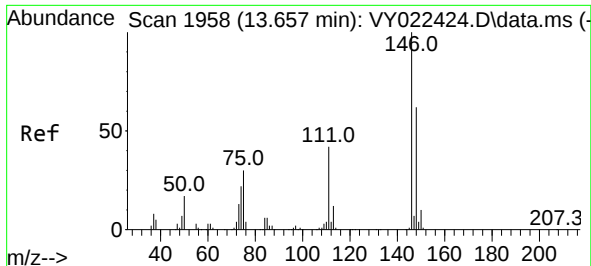
Tgt Ion: 117 Resp: 7579

Ion Ratio Lower Upper

117 100

201 64.8 35.0 105.0

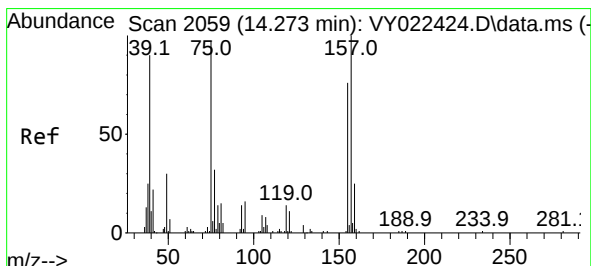
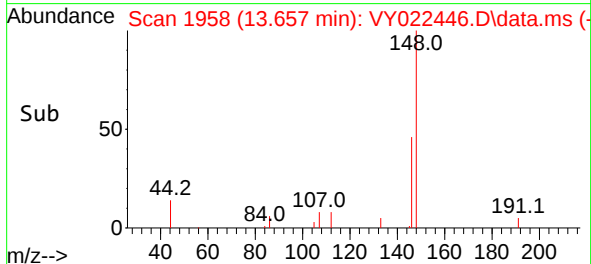
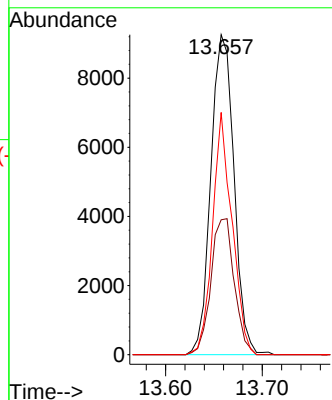
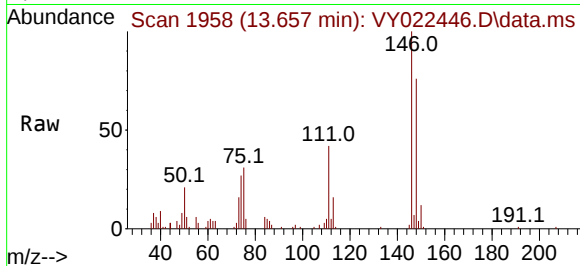




#91
1,2-Dichlorobenzene
Concen: 3.956 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

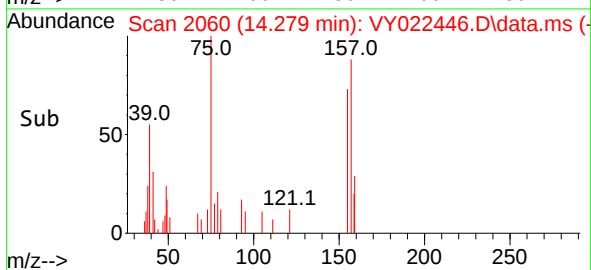
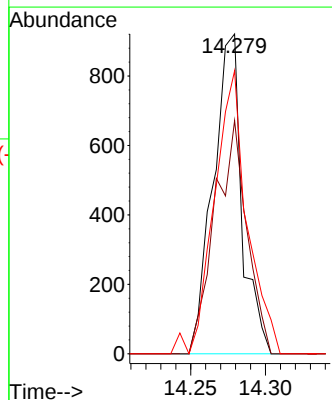
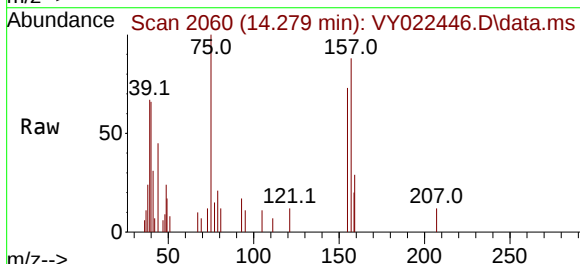
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

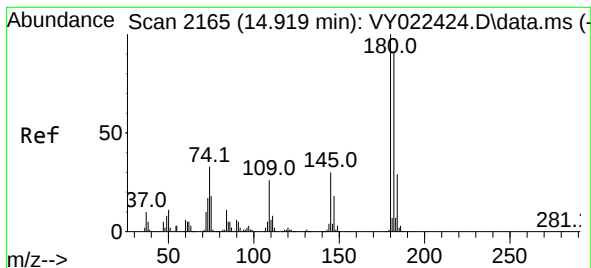
Tgt Ion:	146	Resp:	15359
Ion Ratio	Lower	Upper	
146	100		
111	43.0	20.5	61.6
148	63.7	31.9	95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.713 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022446.D
Acq: 28 May 2025 12:25

Tgt Ion:	75	Resp:	1232
Ion Ratio	Lower	Upper	
75	100		
155	81.3	42.3	126.8
157	101.2	54.4	163.3





#93

1,2,4-Trichlorobenzene

Concen: 3.969 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY022446.D

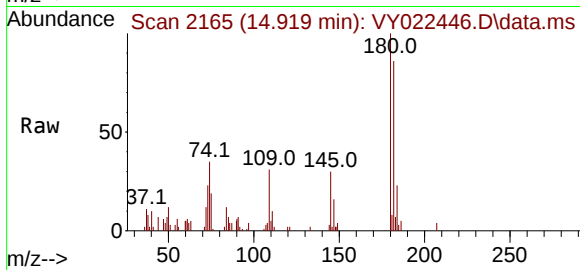
Acq: 28 May 2025 12:25

Instrument :

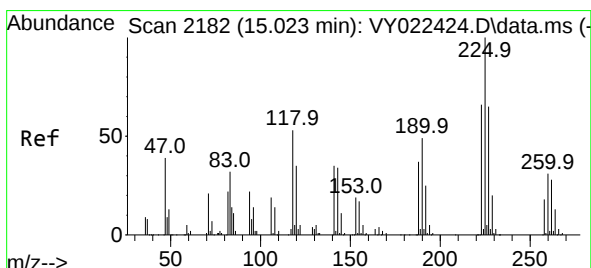
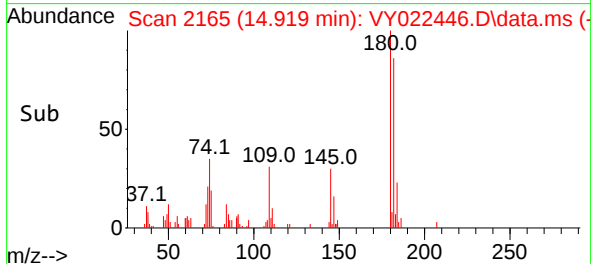
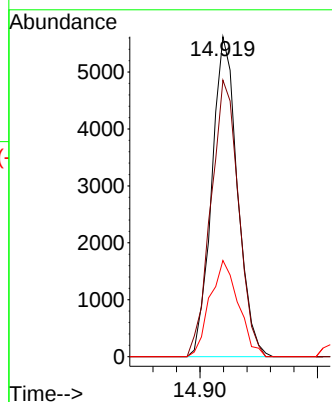
MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:	180	Resp:	8544
Ion Ratio	Lower	Upper	
180	100		
182	92.7	46.2	138.6
145	33.3	14.2	42.8



#94

Hexachlorobutadiene

Concen: 3.977 ug/l

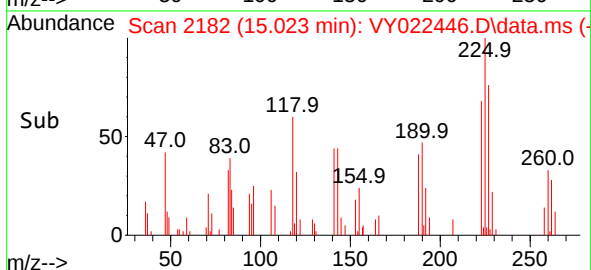
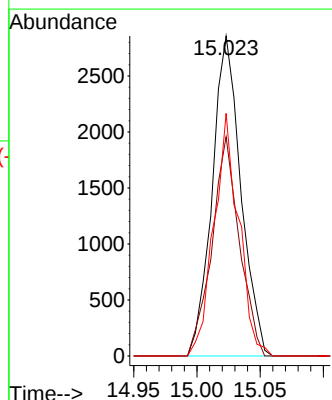
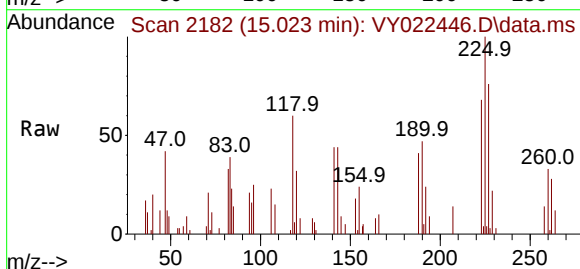
RT: 15.023 min Scan# 2182

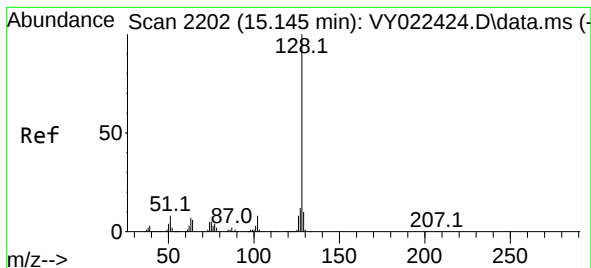
Delta R.T. 0.000 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

Tgt Ion:	225	Resp:	4493
Ion Ratio	Lower	Upper	
225	100		
223	65.6	32.6	97.7
227	65.7	33.0	99.0





#95

Naphthalene

Concen: 3.771 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

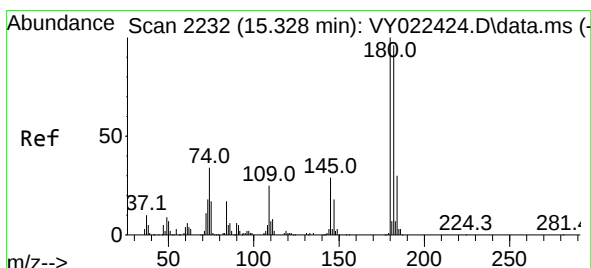
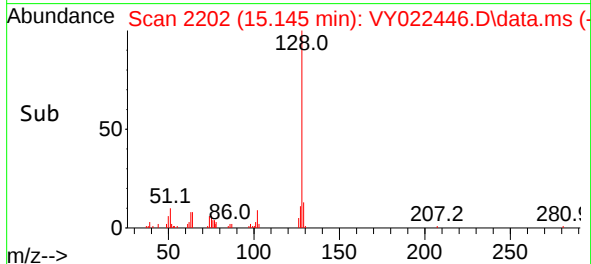
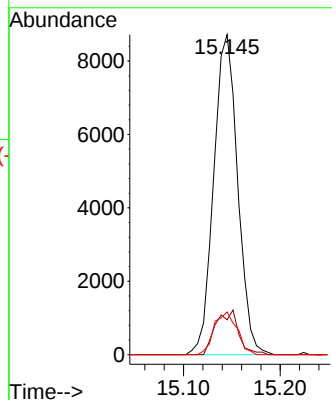
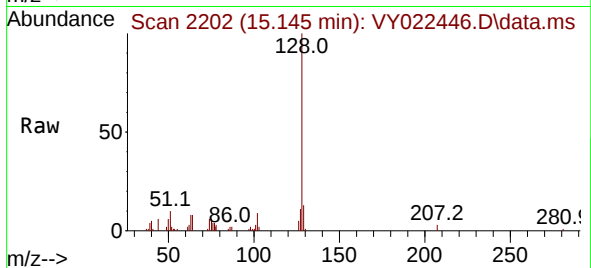
Tgt Ion:128 Resp: 15007

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

129 12.8 8.5 12.7#



#96

1,2,3-Trichlorobenzene

Concen: 4.342 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY022446.D

Acq: 28 May 2025 12:25

Tgt Ion:180 Resp: 7666

Ion Ratio Lower Upper

180 100

182 87.5 48.1 144.3

145 28.7 14.9 44.5

