

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082225\
 Data File : VY023188.D
 Acq On : 22 Aug 2025 13:09
 Operator : SY/MD
 Sample : Q2893-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

Quant Time: Aug 25 05:15:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	428341	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	691689	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	587239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	277329	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	204258	50.034	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.060%	
35) Dibromofluoromethane	7.634	113	215342	52.029	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.060%	
50) Toluene-d8	10.103	98	817163	50.540	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.080%	
62) 4-Bromofluorobenzene	12.401	95	239763	46.110	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.220%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	14498	4.147	ug/l	87
3) Chloromethane	2.074	50	23313	4.117	ug/l	100
4) Vinyl Chloride	2.202	62	30778	4.397	ug/l	97
5) Bromomethane	2.598	94	27180	5.199	ug/l	94
6) Chloroethane	2.732	64	20529	4.411	ug/l	95
7) Trichlorofluoromethane	3.056	101	35390	4.158	ug/l	96
8) Diethyl Ether	3.452	74	11120	4.938	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.811	101	20187	4.807	ug/l	98
10) Methyl Iodide	4.000	142	15842	3.496	ug/l	97
11) Tert butyl alcohol	4.848	59	5423	19.387	ug/l #	82
12) 1,1-Dichloroethene	3.793	96	18025	4.367	ug/l	88
13) Acrolein	3.647	56	762	1.860	ug/l	90
14) Allyl chloride	4.385	41	23338	3.843	ug/l	96
15) Acrylonitrile	5.055	53	16984	18.551	ug/l	95
16) Acetone	3.866	43	20230	22.874	ug/l	95
17) Carbon Disulfide	4.110	76	51213	3.805	ug/l	100
18) Methyl Acetate	4.391	43	11706	4.448	ug/l	95
19) Methyl tert-butyl Ether	5.122	73	37937	3.547	ug/l	95
20) Methylene Chloride	4.610	84	47030	7.947	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	19955	4.302	ug/l	91
22) Diisopropyl ether	6.024	45	47262	3.581	ug/l #	92
23) Vinyl Acetate	5.964	43	112474	15.412	ug/l	100
24) 1,1-Dichloroethane	5.915	63	35291	4.374	ug/l	98
25) 2-Butanone	6.896	43	22054	18.335	ug/l #	88
26) 2,2-Dichloropropane	6.884	77	30378	4.363	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	21653	4.038	ug/l	98
28) Bromochloromethane	7.250	49	12908	4.032	ug/l	91
29) Tetrahydrofuran	7.262	42	11648	15.622	ug/l	98
30) Chloroform	7.421	83	36321	4.365	ug/l	92
31) Cyclohexane	7.701	56	34050	4.478	ug/l #	80
32) 1,1,1-Trichloroethane	7.616	97	31808	4.308	ug/l	98
36) 1,1-Dichloropropene	7.829	75	24736	4.022	ug/l	96
37) Ethyl Acetate	6.988	43	8367	3.238	ug/l	96
38) Carbon Tetrachloride	7.811	117	28794	4.310	ug/l	90
39) Methylcyclohexane	9.109	83	31036	3.832	ug/l	97
40) Benzene	8.079	78	81149	4.280	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	3985	2.672	ug/l #	66
42) 1,2-Dichloroethane	8.158	62	20318	4.121	ug/l	99
43) Isopropyl Acetate	8.201	43	17096	3.274	ug/l	97
44) Trichloroethene	8.865	130	20701	4.225	ug/l	96
45) 1,2-Dichloropropane	9.146	63	18679	4.282	ug/l	96
46) Dibromomethane	9.231	93	10348	4.133	ug/l	97
47) Bromodichloromethane	9.426	83	26493	4.112	ug/l	97
48) Methyl methacrylate	9.219	41	7242	2.898	ug/l	88
49) 1,4-Dioxane	9.231	88	1858	63.291	ug/l #	84
51) 4-Methyl-2-Pentanone	9.999	43	41144	15.273	ug/l	98
52) Toluene	10.170	92	49186	4.085	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	20867	3.577	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	25665	3.720	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	13694	4.088	ug/l	90
56) Ethyl methacrylate	10.438	69	13030	3.040	ug/l	96
57) 1,3-Dichloropropane	10.713	76	21375	3.762	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	28173	13.932	ug/l	97
59) 2-Hexanone	10.761	43	26539	14.468	ug/l	99
60) Dibromochloromethane	10.914	129	18061	4.086	ug/l	99
61) 1,2-Dibromoethane	11.018	107	11913	3.783	ug/l	99
64) Tetrachloroethene	10.646	164	22157	4.225	ug/l	95
65) Chlorobenzene	11.438	112	53158	4.197	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.517	131	17345	4.035	ug/l	95
67) Ethyl Benzene	11.517	91	82304	3.776	ug/l	95
68) m/p-Xylenes	11.627	106	62628	7.356	ug/l	98
69) o-Xylene	11.956	106	28972	3.633	ug/l	98
70) Styrene	11.969	104	46235	3.546	ug/l	98
71) Bromoform	12.133	173	9867	3.927	ug/l #	97
73) Isopropylbenzene	12.249	105	74409	3.801	ug/l	99
74) N-amyl acetate	12.066	43	12124	2.921	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.505	83	13877	4.152	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	17248	6.444	ug/l #	100
77) Bromobenzene	12.529	156	19493	4.174	ug/l	98
78) n-propylbenzene	12.596	91	92502	3.969	ug/l	98
79) 2-Chlorotoluene	12.676	91	55877	4.185	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	59197	3.742	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	3956	3.578	ug/l	99
82) 4-Chlorotoluene	12.773	91	56450	4.075	ug/l	99
83) tert-Butylbenzene	12.993	119	55317	3.872	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	57892	3.676	ug/l	99
85) sec-Butylbenzene	13.176	105	79071	3.767	ug/l	100
86) p-Isopropyltoluene	13.285	119	62397	3.582	ug/l	98
87) 1,3-Dichlorobenzene	13.285	146	39329	4.271	ug/l	96
88) 1,4-Dichlorobenzene	13.365	146	39163	4.287	ug/l	92
89) n-Butylbenzene	13.615	91	59858	3.741	ug/l	97
90) Hexachloroethane	13.877	117	16195	4.541	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	33102	4.099	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2107	4.049	ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	17265	3.615	ug/l	96
94) Hexachlorobutadiene	15.023	225	11955	4.260	ug/l	91
95) Naphthalene	15.139	128	23895	2.934	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	13855	3.367	ug/l	94

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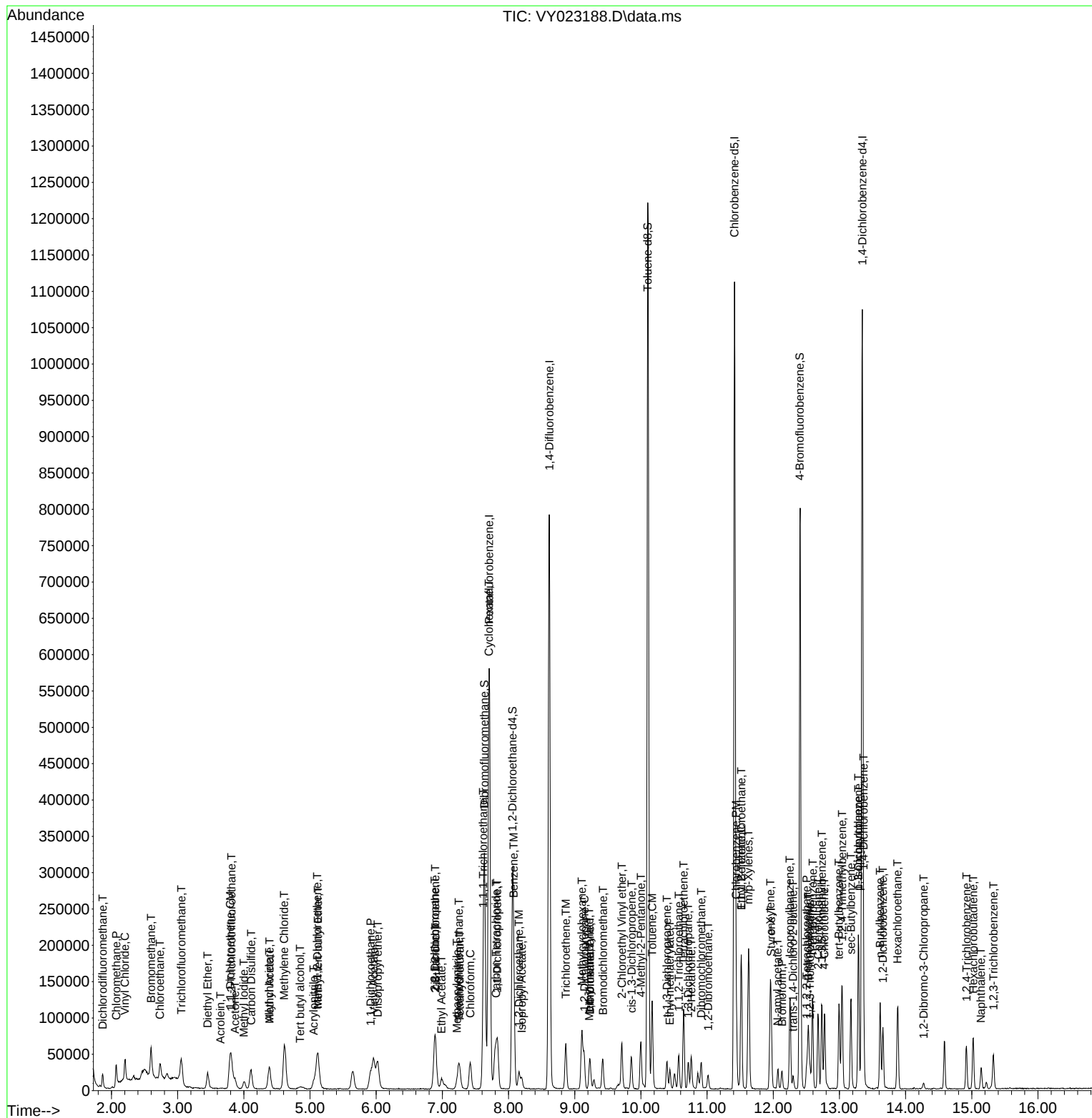
Quant Time: Aug 25 05:15:03 2025
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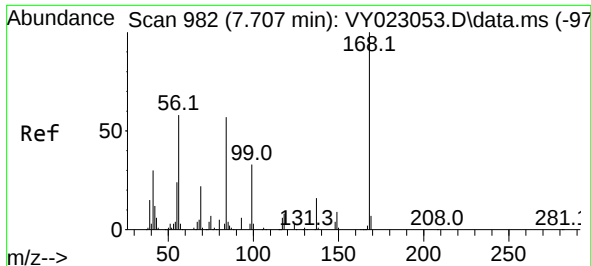
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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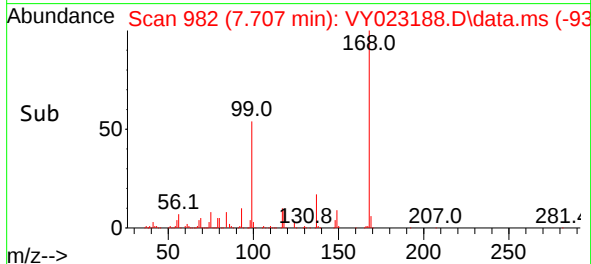
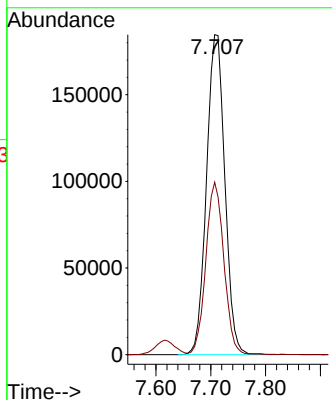
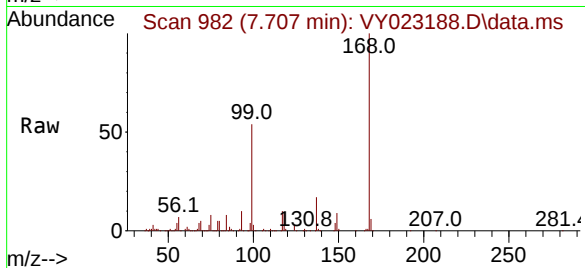




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023188.D
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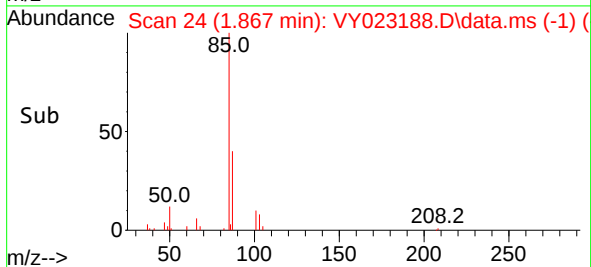
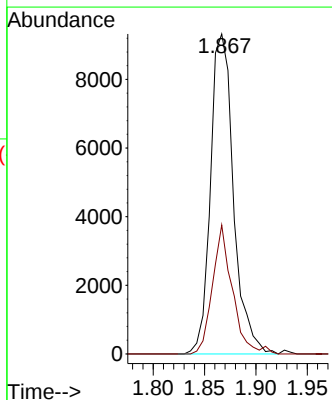
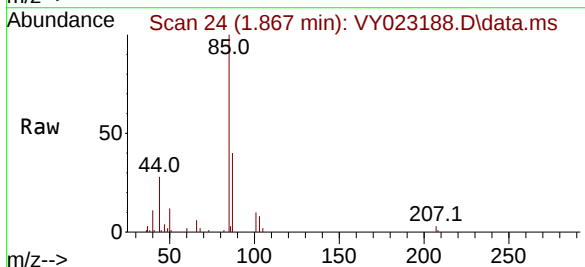
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:168 Resp: 428341
Ion Ratio Lower Upper
168 100
99 53.8 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 4.147 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion: 85 Resp: 14498
Ion Ratio Lower Upper
85 100
87 40.3 16.6 49.8

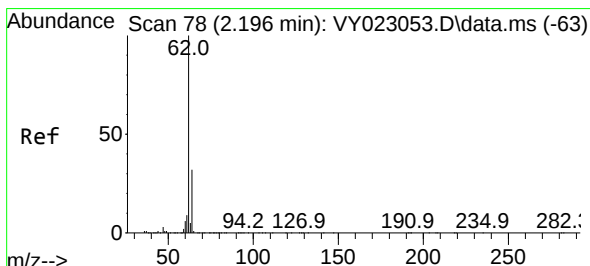
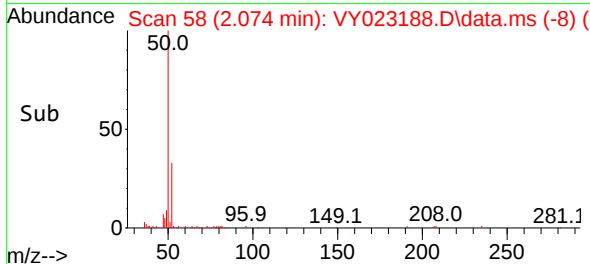
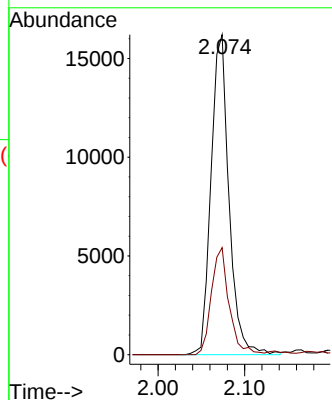
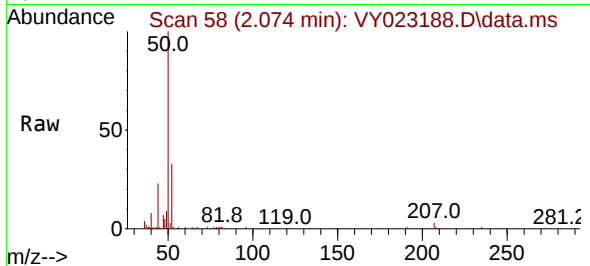




#3
Chloromethane
Concen: 4.117 ug/l
RT: 2.074 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

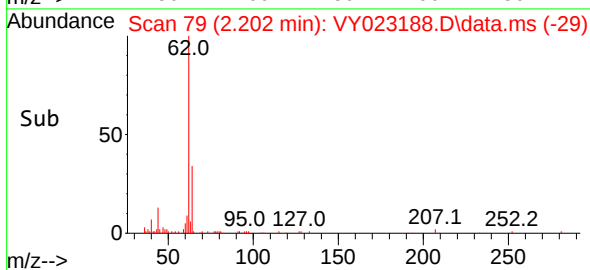
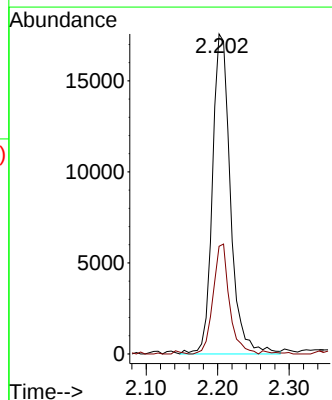
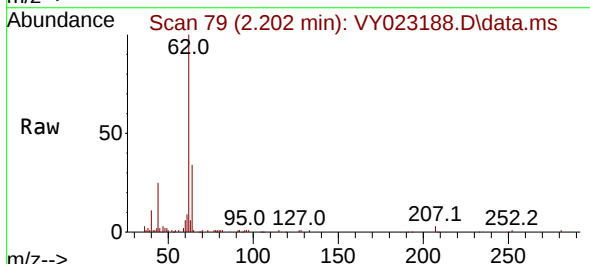
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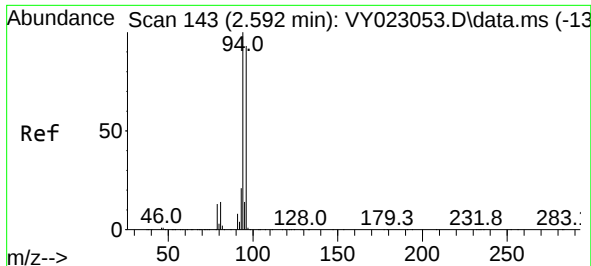
Tgt Ion: 50 Resp: 23313
Ion Ratio Lower Upper
50 100
52 33.5 26.7 40.1



#4
Vinyl Chloride
Concen: 4.397 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion: 62 Resp: 30778
Ion Ratio Lower Upper
62 100
64 33.3 25.4 38.0

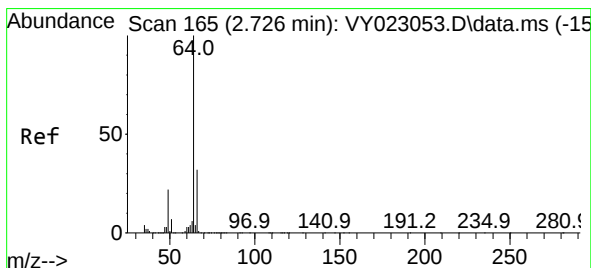
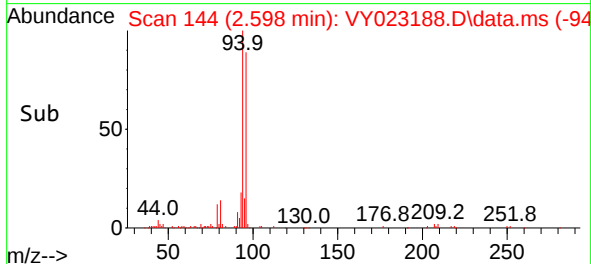
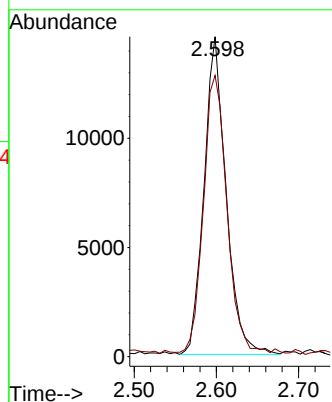
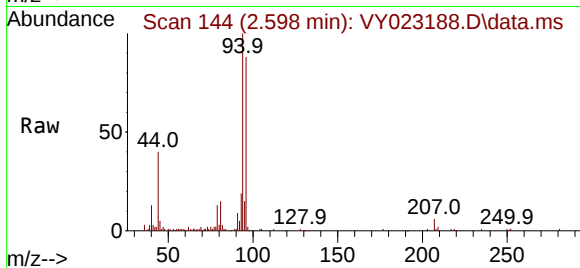




#5
Bromomethane
Concen: 5.199 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

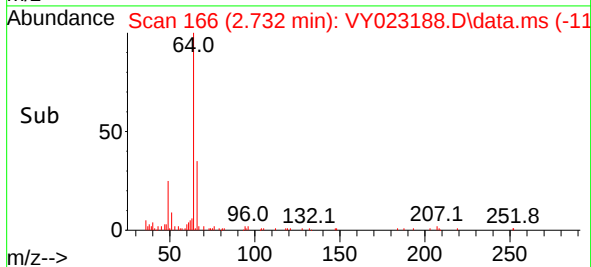
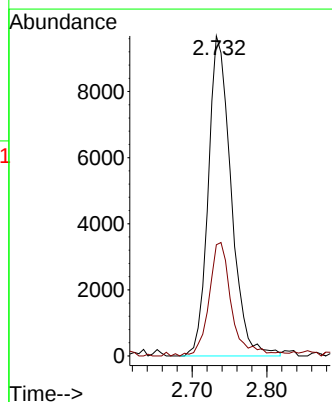
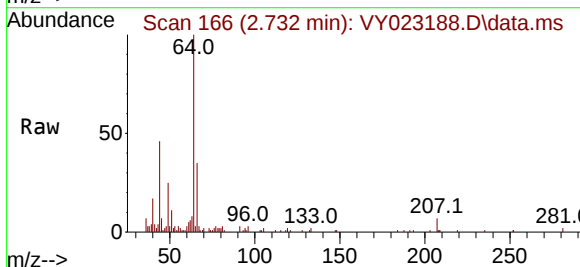
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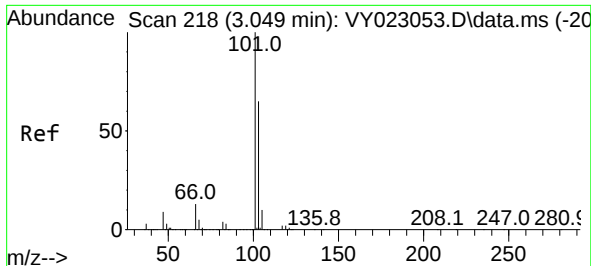
Tgt Ion: 94 Resp: 27180
Ion Ratio Lower Upper
94 100
96 87.1 74.6 112.0



#6
Chloroethane
Concen: 4.411 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion: 64 Resp: 20529
Ion Ratio Lower Upper
64 100
66 34.8 25.8 38.6

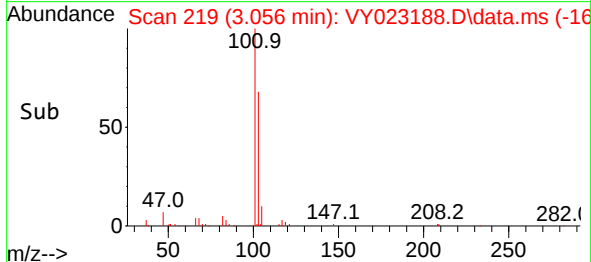
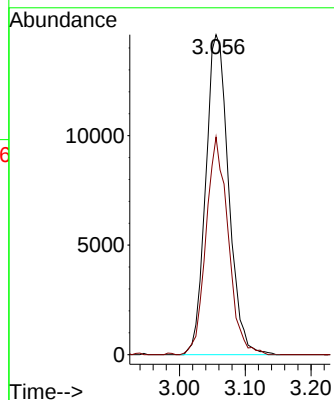
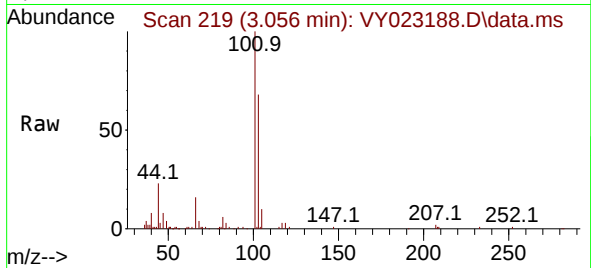




#7
Trichlorofluoromethane
Concen: 4.158 ug/l
RT: 3.056 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

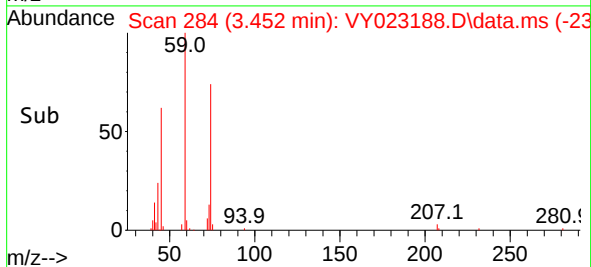
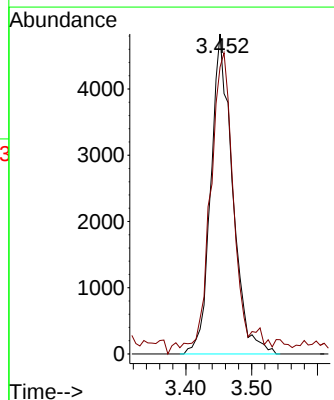
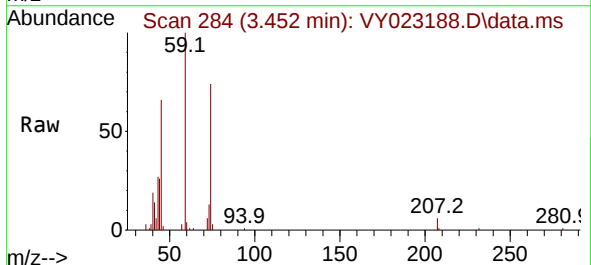
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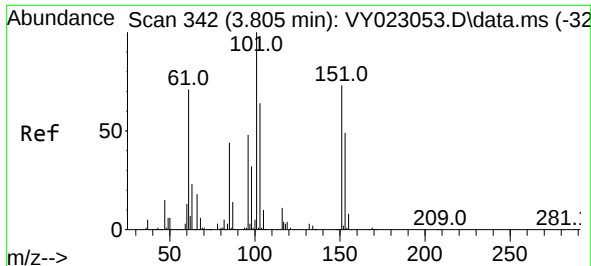
Tgt Ion:101 Resp: 35390
Ion Ratio Lower Upper
101 100
103 68.0 51.9 77.9



#8
Diethyl Ether
Concen: 4.938 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion: 74 Resp: 11120
Ion Ratio Lower Upper
74 100
45 95.2 44.4 133.2

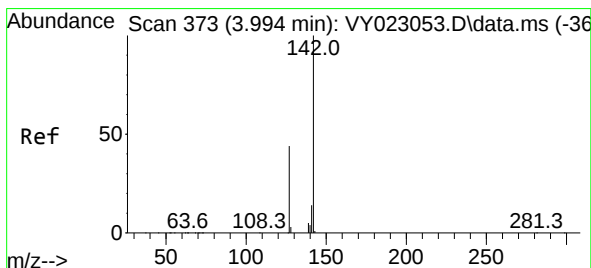
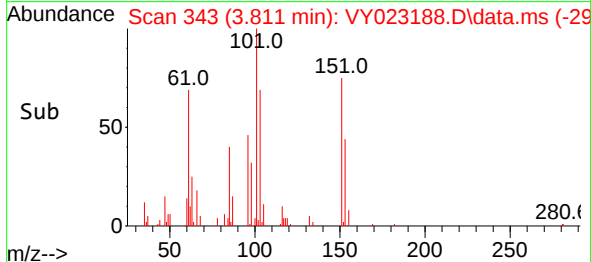
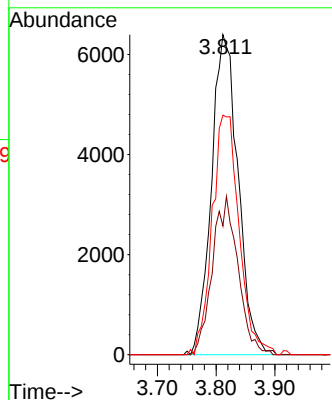
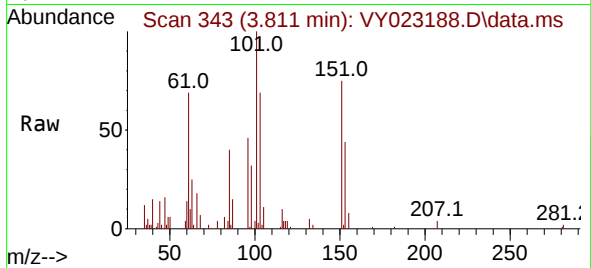




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.807 ug/l
RT: 3.811 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023188.D
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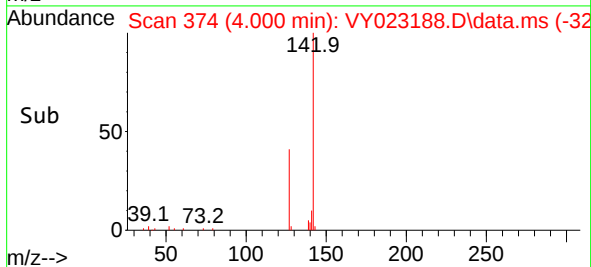
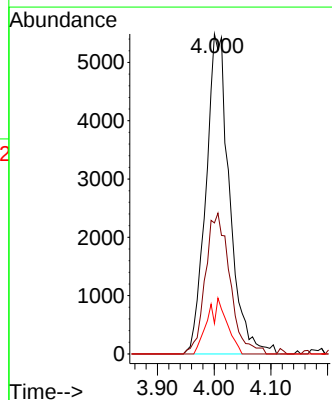
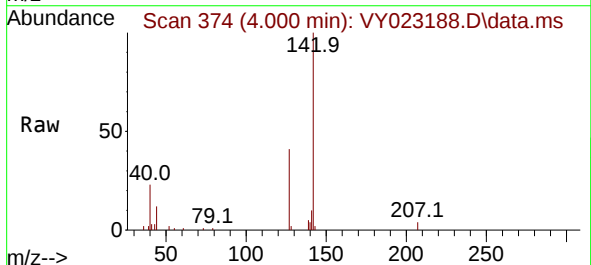
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:	101	Resp:	20187
Ion	Ratio	Lower	Upper
101	100		
85	47.4	36.3	54.5
151	75.5	61.5	92.3



#10
Methyl Iodide
Concen: 3.496 ug/l
RT: 4.000 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion:	142	Resp:	15842
Ion	Ratio	Lower	Upper
142	100		
127	45.8	34.9	52.3
141	14.4	11.3	16.9

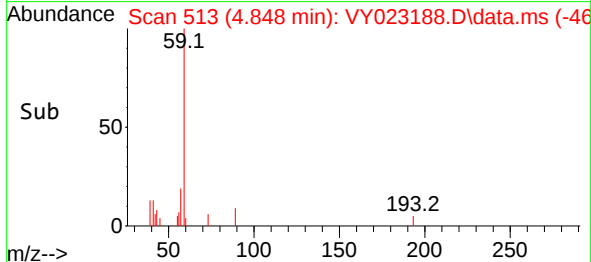
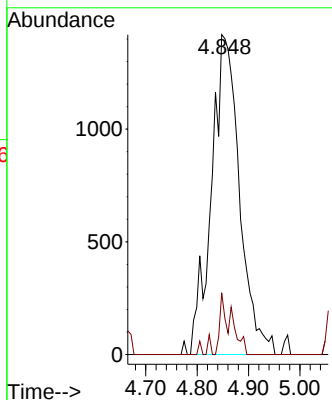
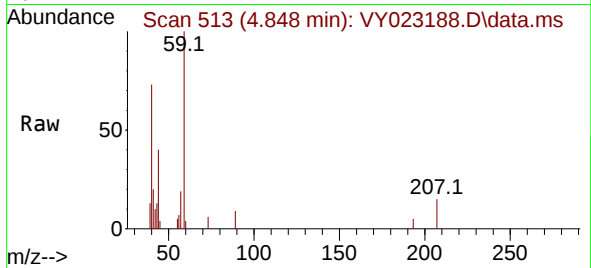




#11
Tert butyl alcohol
Concen: 19.387 ug/l
RT: 4.848 min Scan# 51
Delta R.T. -0.012 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

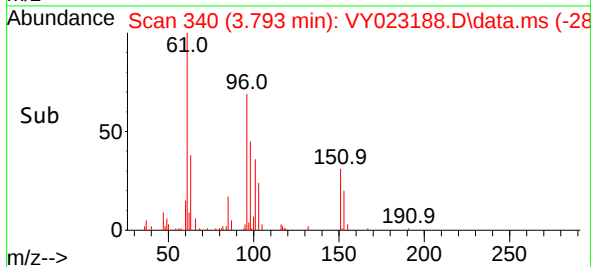
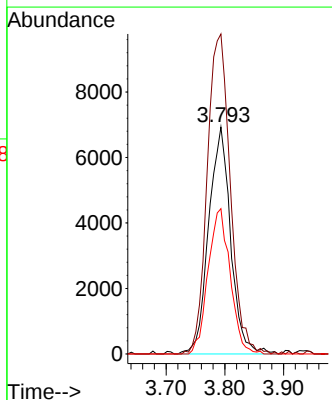
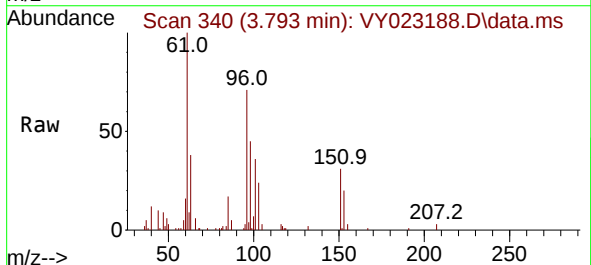
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 59 Resp: 5423
Ion Ratio Lower Upper
59 100
57 4.1 8.6 13.0#



#12
1,1-Dichloroethene
Concen: 4.367 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.012 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion: 96 Resp: 18025
Ion Ratio Lower Upper
96 100
61 141.1 129.4 194.2
98 64.1 52.8 79.2

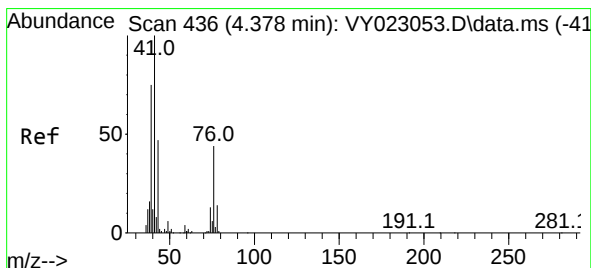
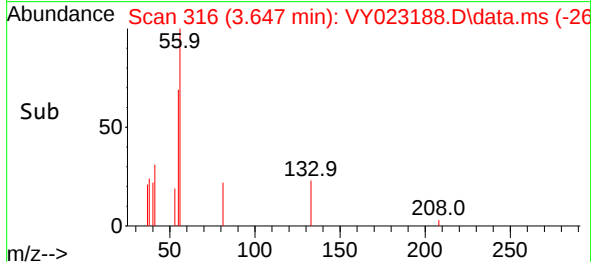
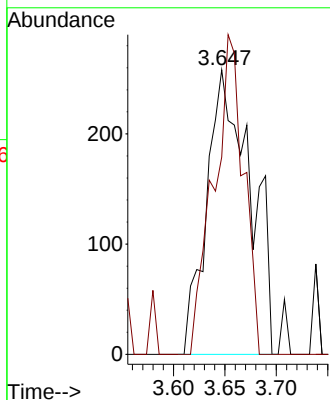
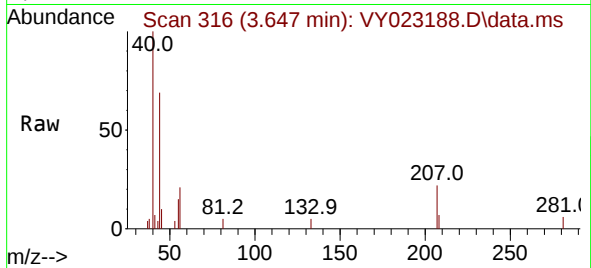




#13
Acrolein
Concen: 1.860 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

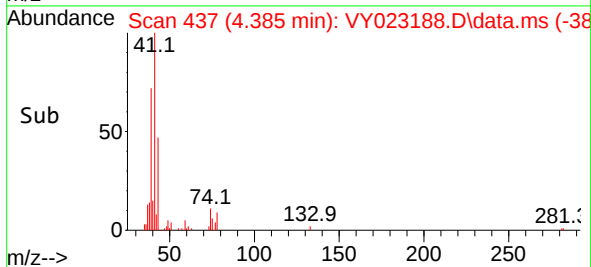
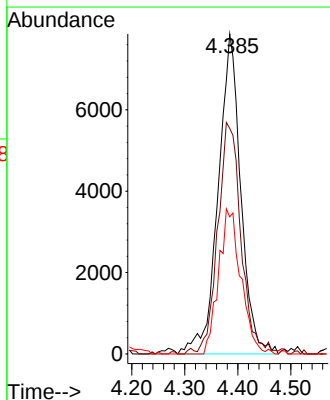
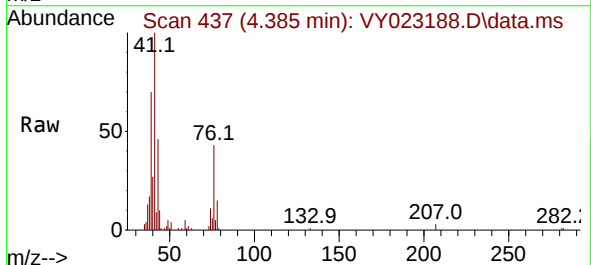
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

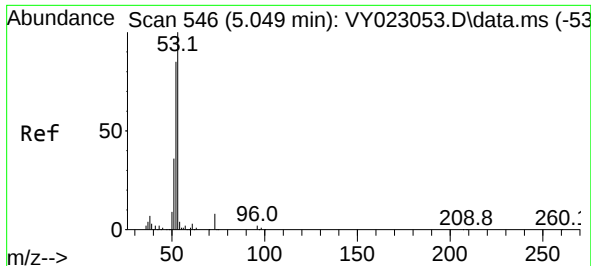
Tgt Ion: 56 Resp: 762
Ion Ratio Lower Upper
56 100
55 77.3 55.2 82.8



#14
Allyl chloride
Concen: 3.843 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion: 41 Resp: 23338
Ion Ratio Lower Upper
41 100
39 71.4 59.8 89.6
76 44.5 33.7 50.5

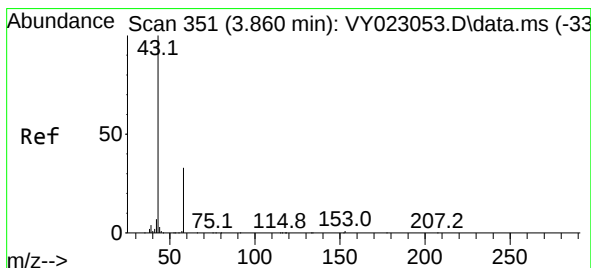
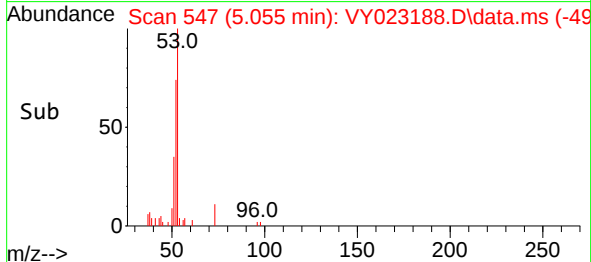
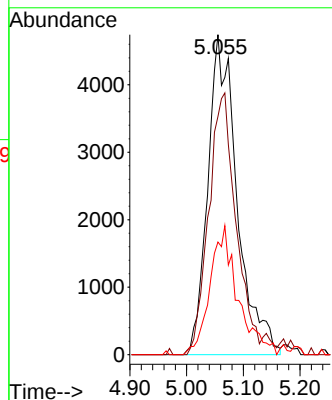
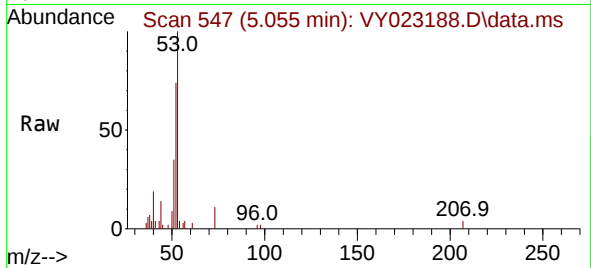




#15
Acrylonitrile
Concen: 18.551 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

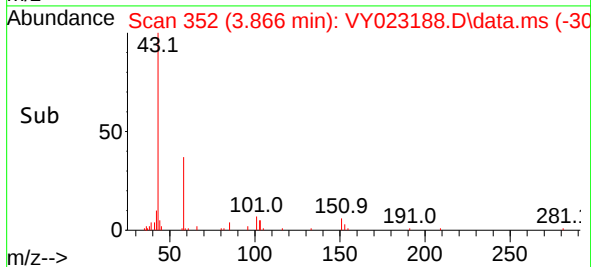
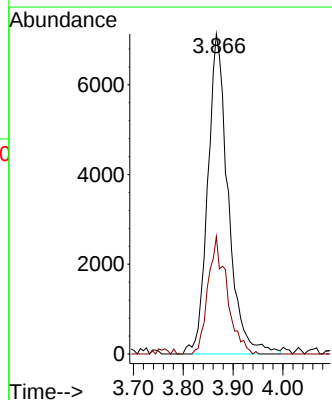
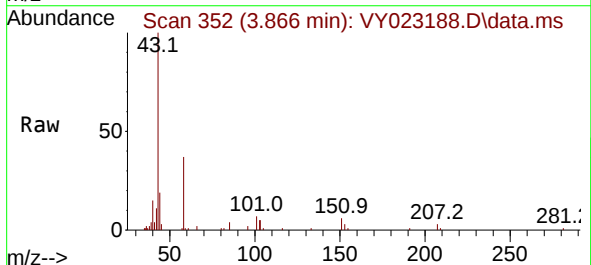
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 53 Resp: 16984
Ion Ratio Lower Upper
53 100
52 76.2 65.3 97.9
51 38.2 29.5 44.3



#16
Acetone
Concen: 22.874 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion: 43 Resp: 20230
Ion Ratio Lower Upper
43 100
58 36.6 27.1 40.7

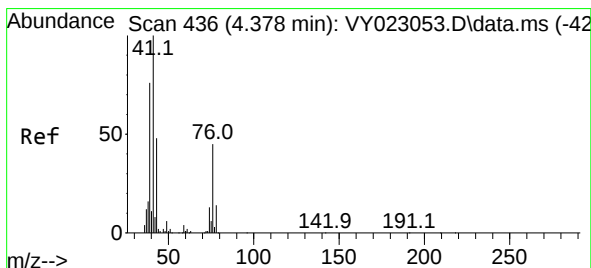
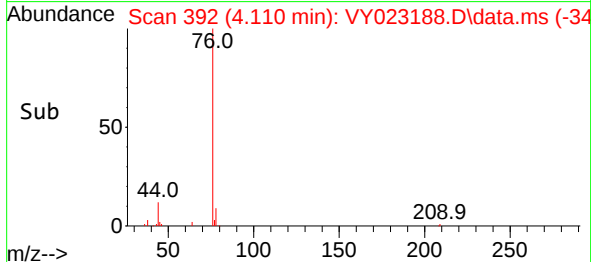
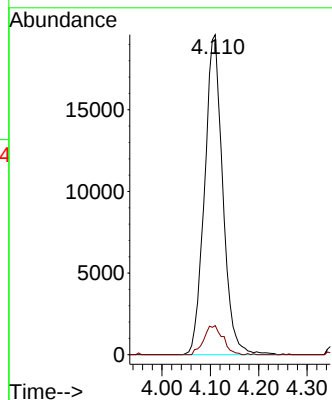
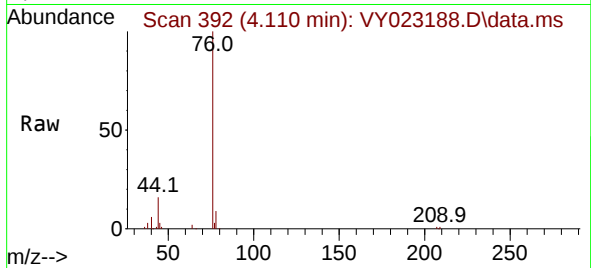




#17
Carbon Disulfide
Concen: 3.805 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

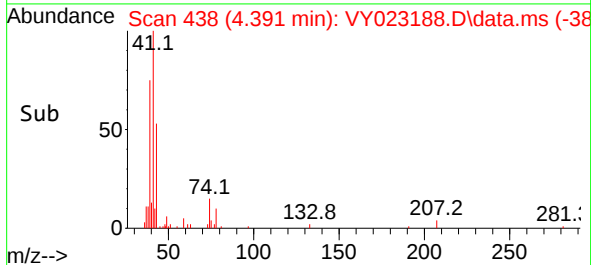
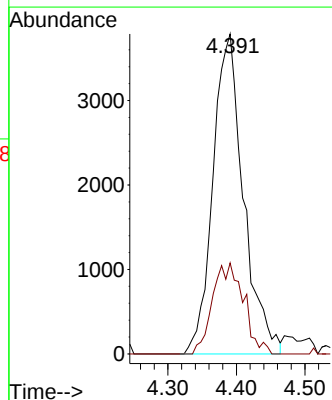
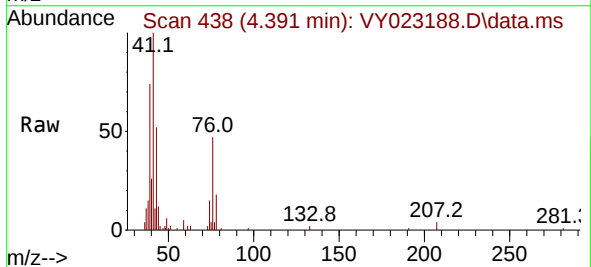
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

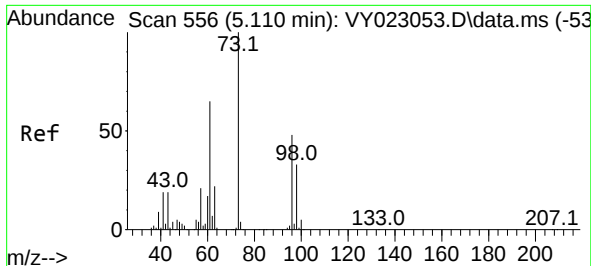
Tgt Ion: 76 Resp: 51213
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 4.448 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.012 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion: 43 Resp: 11706
Ion Ratio Lower Upper
43 100
74 29.0 21.2 31.8

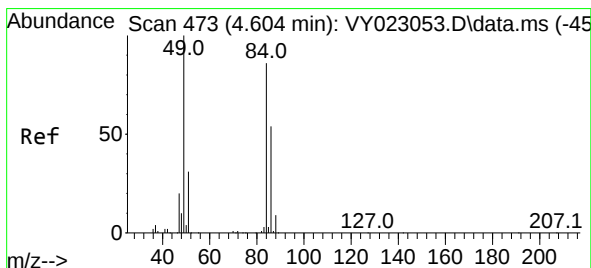
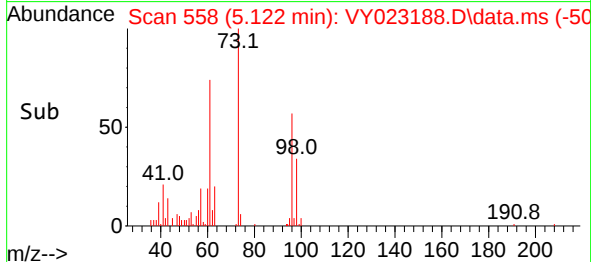
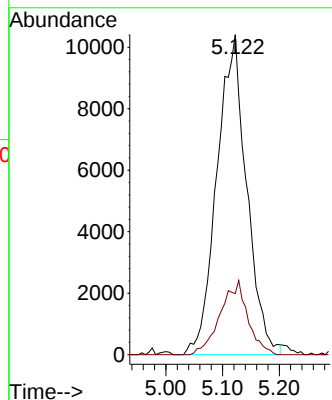
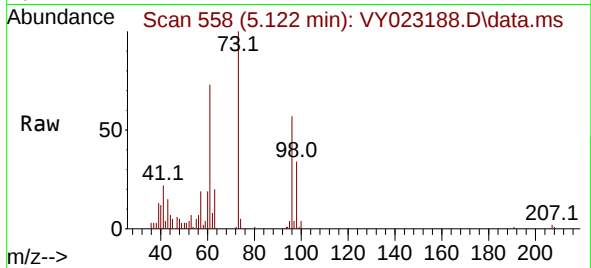




#19
Methyl tert-butyl Ether
Concen: 3.547 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

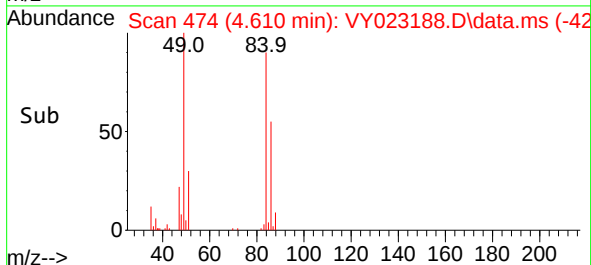
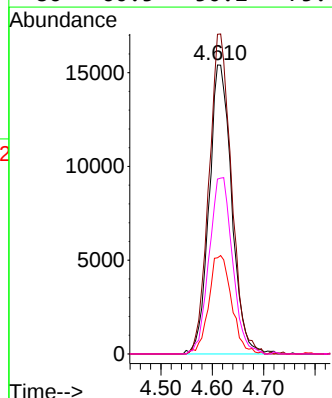
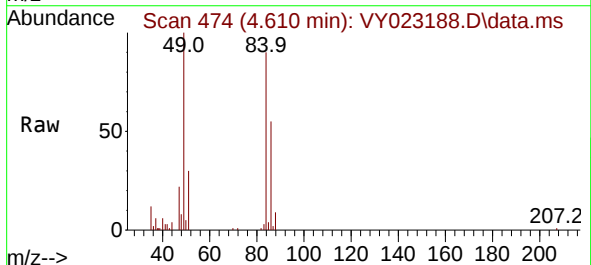
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

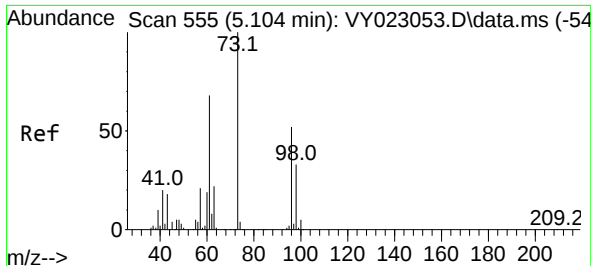
Tgt Ion: 73 Resp: 37937
Ion Ratio Lower Upper
73 100
57 19.1 17.1 25.7



#20
Methylene Chloride
Concen: 7.947 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion: 84 Resp: 47030
Ion Ratio Lower Upper
84 100
49 110.6 93.0 139.6
51 33.3 29.0 43.4
86 60.5 50.2 75.4

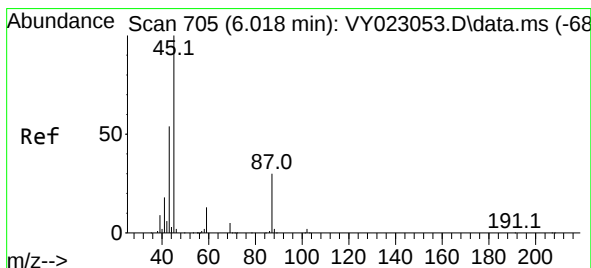
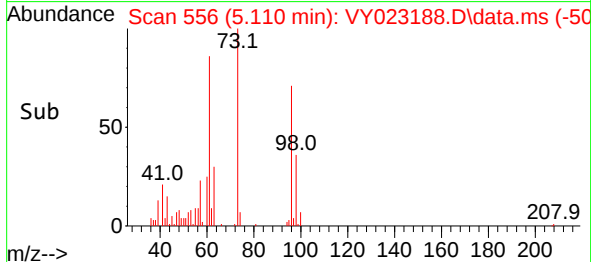
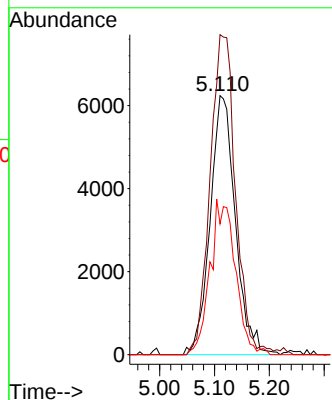
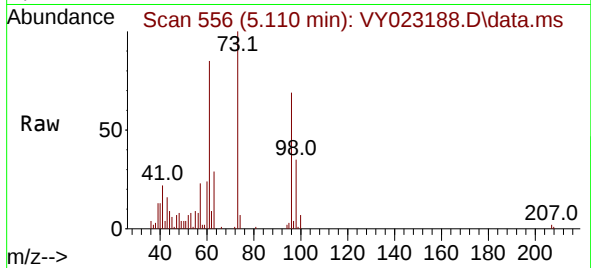




#21
trans-1,2-Dichloroethene
Concen: 4.302 ug/l
RT: 5.110 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

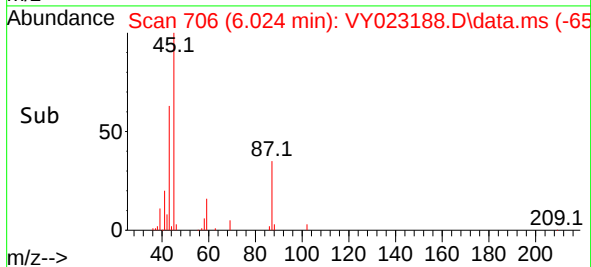
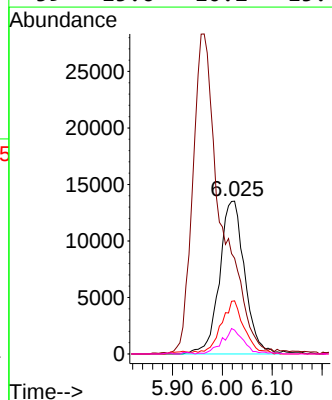
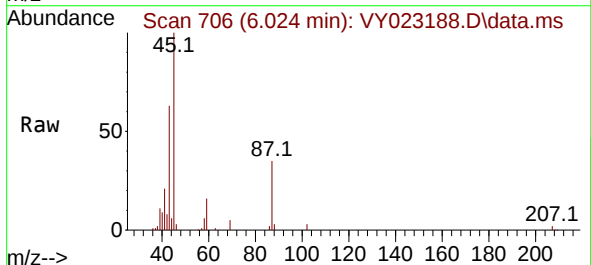
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 96 Resp: 19955
Ion Ratio Lower Upper
96 100
61 123.6 104.8 157.2
98 50.6 50.1 75.1



#22
Diisopropyl ether
Concen: 3.581 ug/l
RT: 6.024 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion: 45 Resp: 47262
Ion Ratio Lower Upper
45 100
43 60.6 43.4 65.0
87 34.8 24.4 36.6
59 15.6 10.2 15.4#

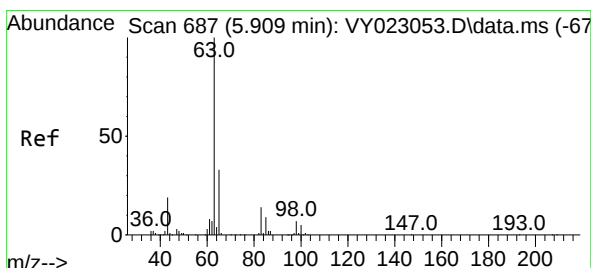
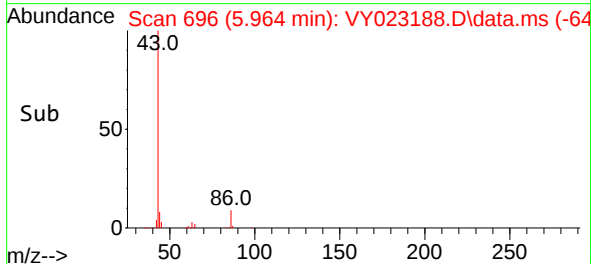
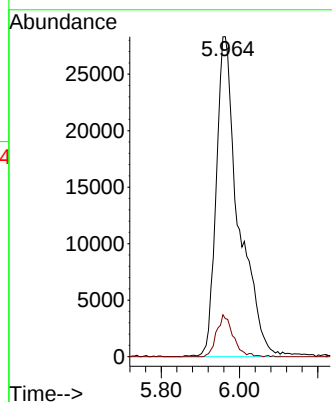
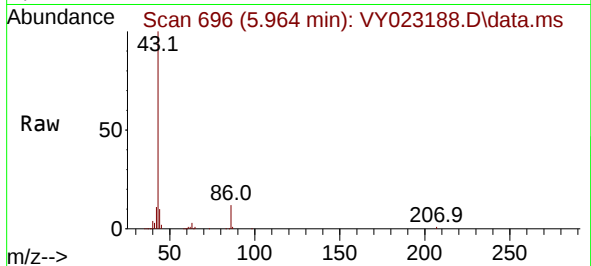




#23
 Vinyl Acetate
 Concen: 15.412 ug/l
 RT: 5.964 min Scan# 694
 Delta R.T. 0.012 min
 Lab File: VY023188.D
 Acq: 22 Aug 2025 13:09

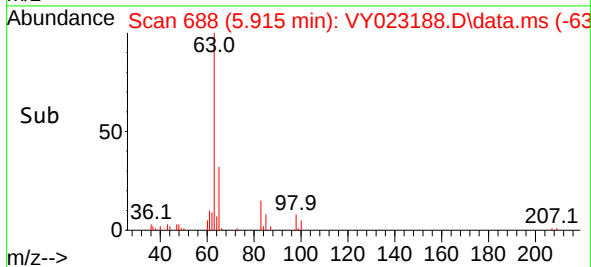
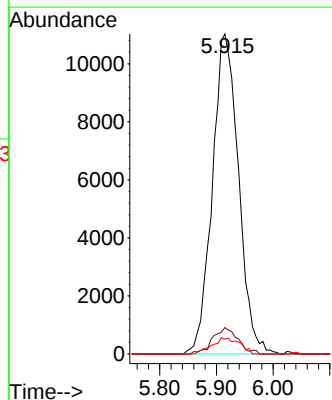
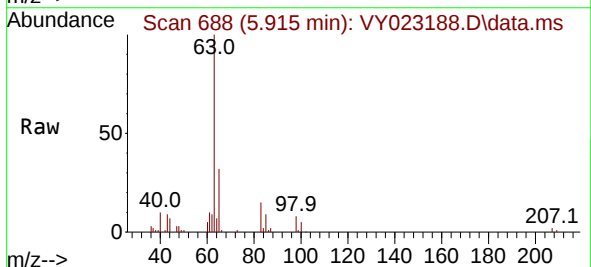
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

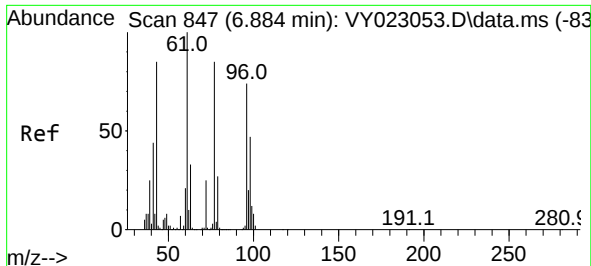
Tgt Ion: 43 Resp: 112474
 Ion Ratio Lower Upper
 43 100
 86 11.9 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 4.374 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.006 min
 Lab File: VY023188.D
 Acq: 22 Aug 2025 13:09

Tgt Ion: 63 Resp: 35291
 Ion Ratio Lower Upper
 63 100
 98 8.3 3.5 10.6
 100 4.6 2.4 7.1





#25

2-Butanone

Concen: 18.335 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY023188.D

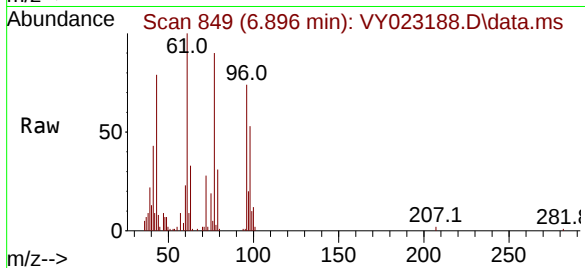
Acq: 22 Aug 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

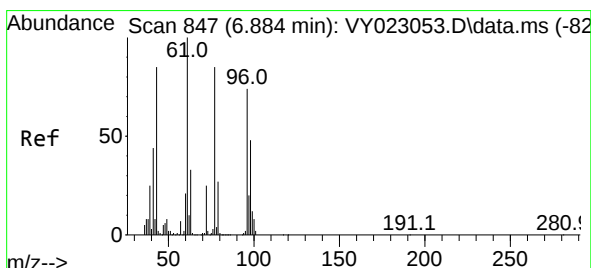
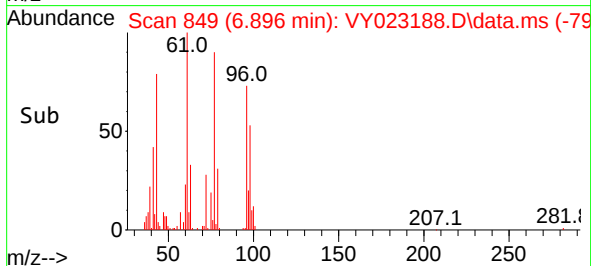
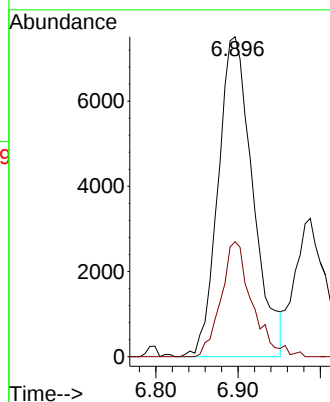


Tgt Ion: 43 Resp: 22054

Ion Ratio Lower Upper

43 100

72 35.9 23.5 35.3#



#26

2,2-Dichloropropane

Concen: 4.363 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY023188.D

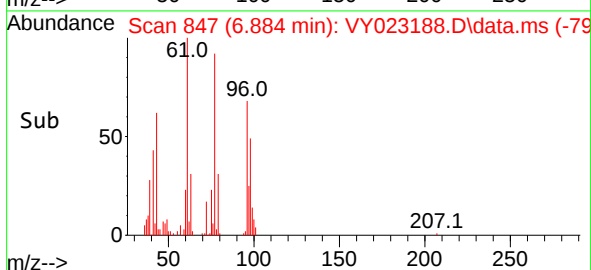
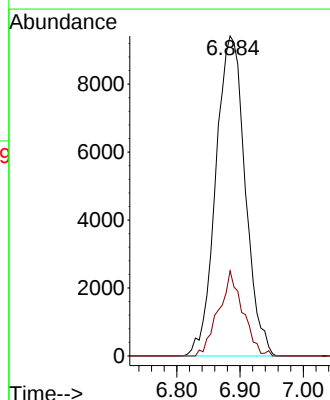
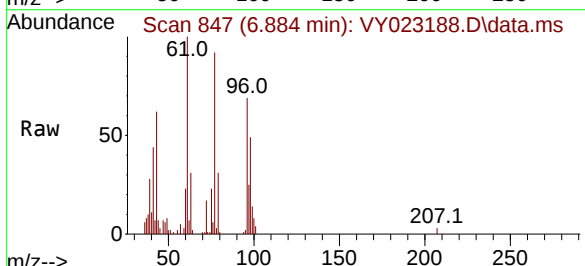
Acq: 22 Aug 2025 13:09

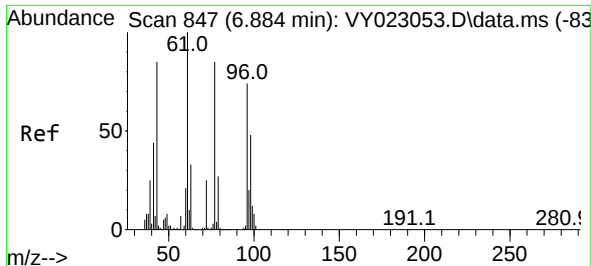
Tgt Ion: 77 Resp: 30378

Ion Ratio Lower Upper

77 100

97 22.0 11.6 34.8

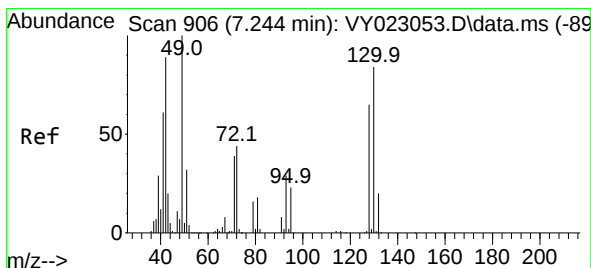
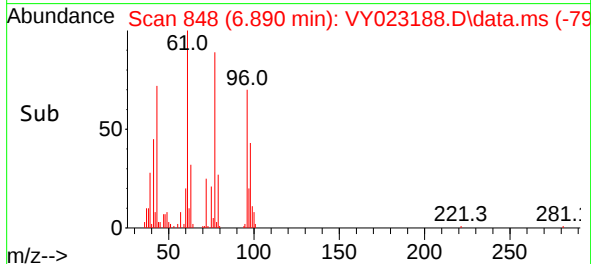
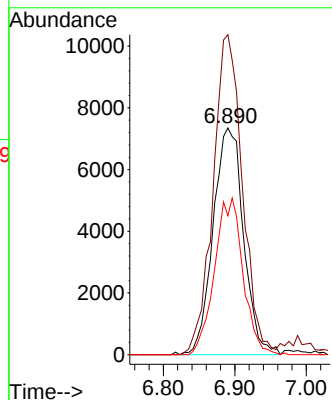
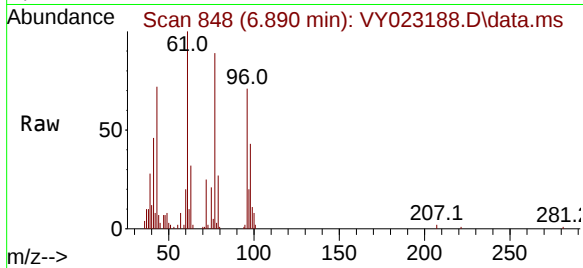




#27
 cis-1,2-Dichloroethene
 Concen: 4.038 ug/l
 RT: 6.890 min Scan# 847
 Delta R.T. 0.006 min
 Lab File: VY023188.D
 Acq: 22 Aug 2025 13:09

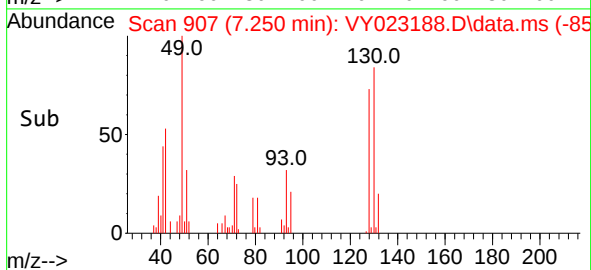
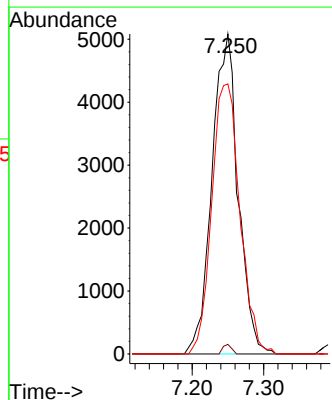
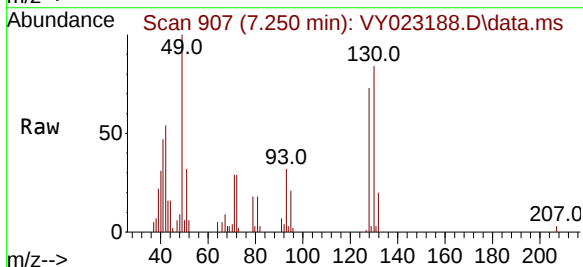
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:	96	Resp:	21653
Ion	Ratio	Lower	Upper
96	100		
61	136.4	0.0	278.6
98	64.8	0.0	130.4



#28
 Bromochloromethane
 Concen: 4.032 ug/l
 RT: 7.250 min Scan# 907
 Delta R.T. 0.006 min
 Lab File: VY023188.D
 Acq: 22 Aug 2025 13:09

Tgt Ion:	49	Resp:	12908
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.2
130	91.0	66.4	99.6





#29

Tetrahydrofuran

Concen: 15.622 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

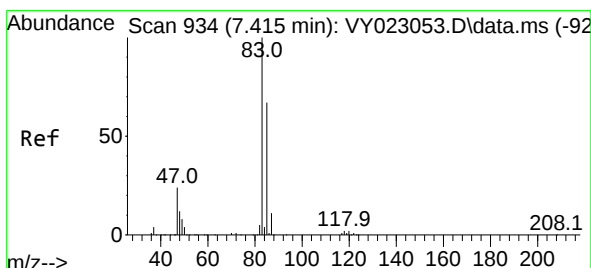
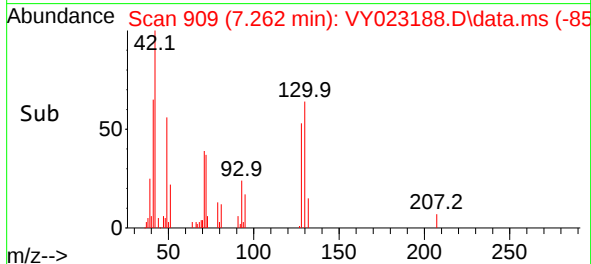
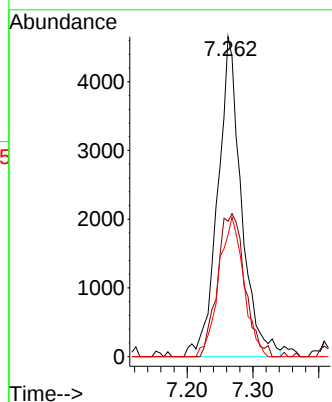
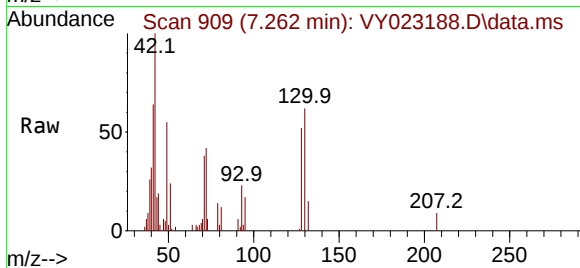
Tgt Ion: 42 Resp: 11648

Ion Ratio Lower Upper

42 100

72 51.6 39.4 59.2

71 46.1 36.5 54.7



#30

Chloroform

Concen: 4.365 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.006 min

Lab File: VY023188.D

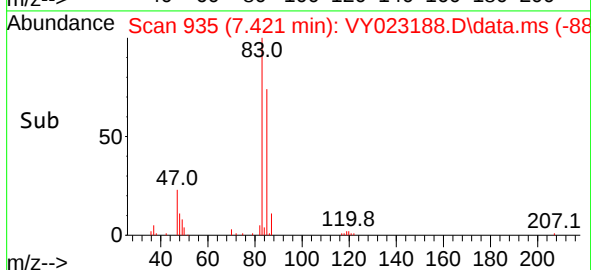
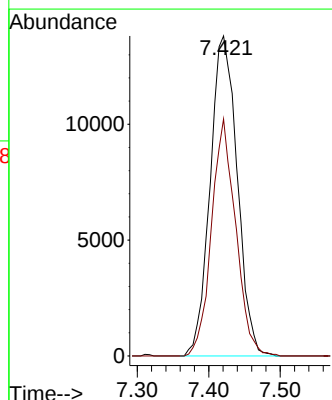
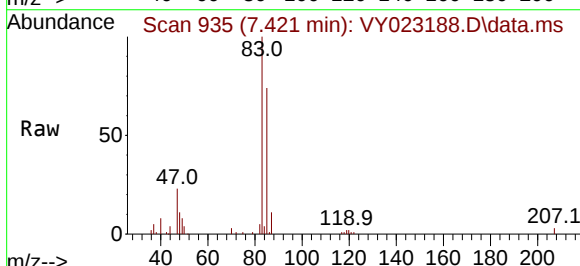
Acq: 22 Aug 2025 13:09

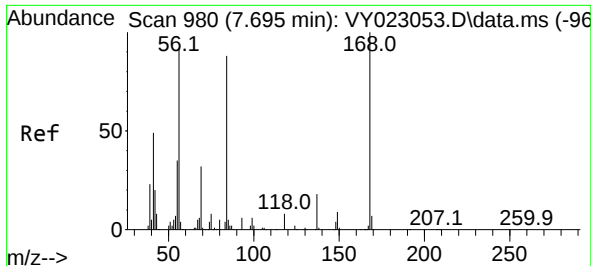
Tgt Ion: 83 Resp: 36321

Ion Ratio Lower Upper

83 100

85 74.0 53.8 80.8

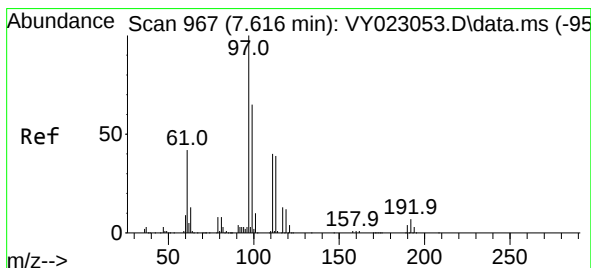
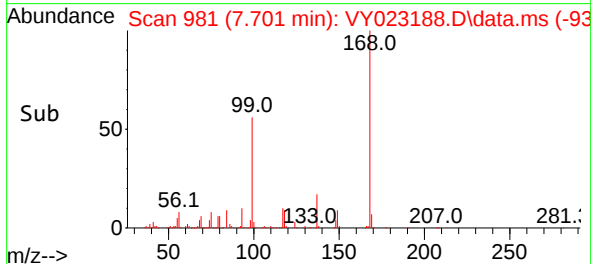
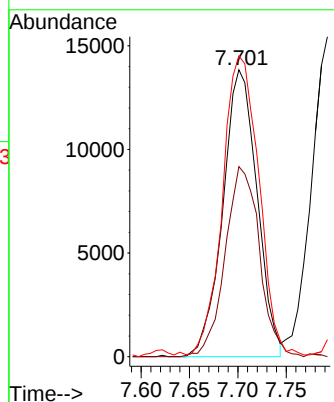
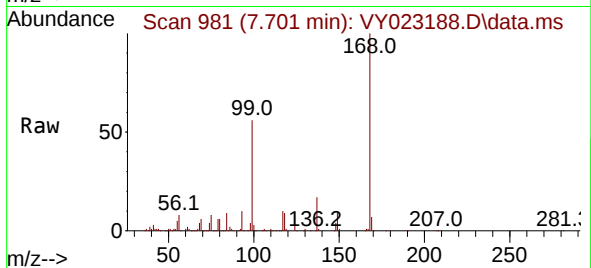




#31
Cyclohexane
Concen: 4.478 ug/l
RT: 7.701 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

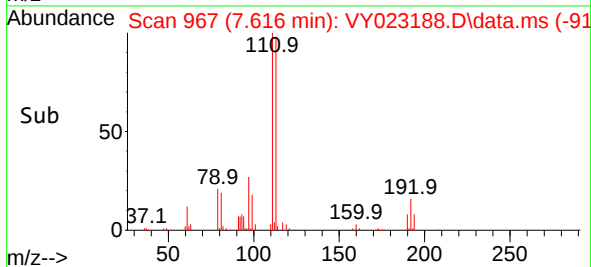
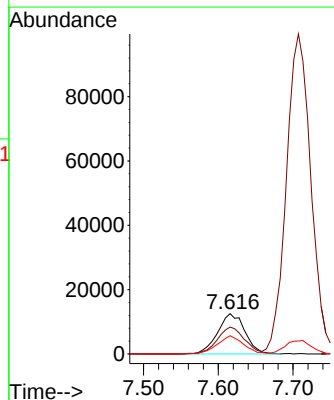
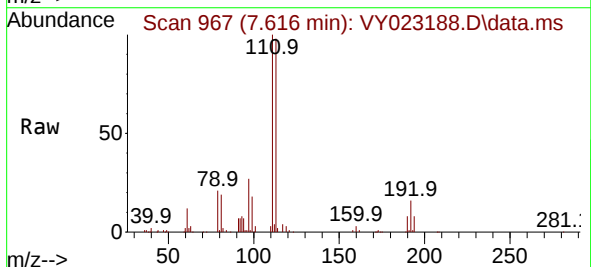
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 56 Resp: 34050
Ion Ratio Lower Upper
56 100
69 66.3 28.2 42.2#
84 103.3 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 4.308 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion: 97 Resp: 31808
Ion Ratio Lower Upper
97 100
99 66.5 51.6 77.4
61 43.3 34.2 51.2

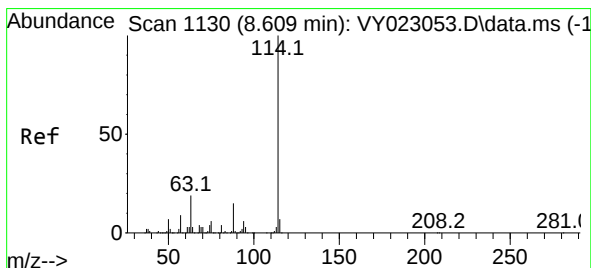
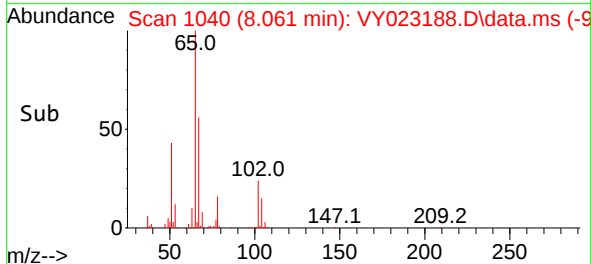
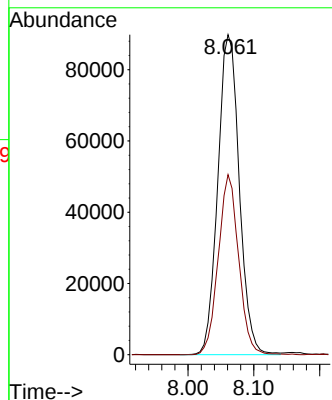
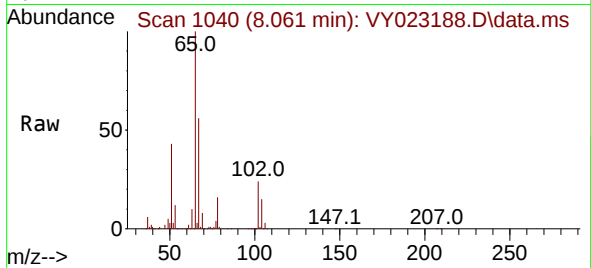




#33
 1,2-Dichloroethane-d4
 Concen: 50.034 ug/l
 RT: 8.061 min Scan# 1103
 Delta R.T. 0.006 min
 Lab File: VY023188.D
 Acq: 22 Aug 2025 13:09

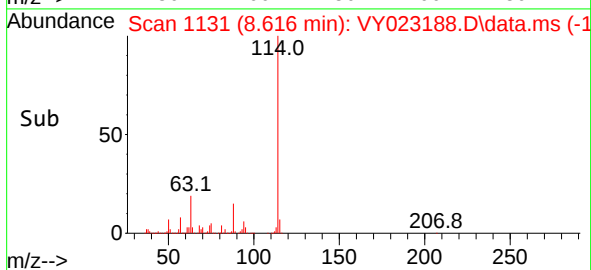
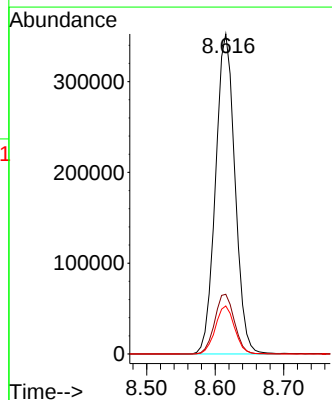
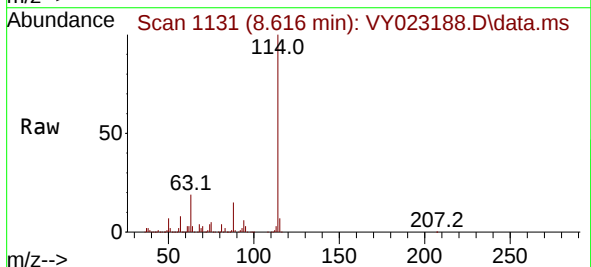
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

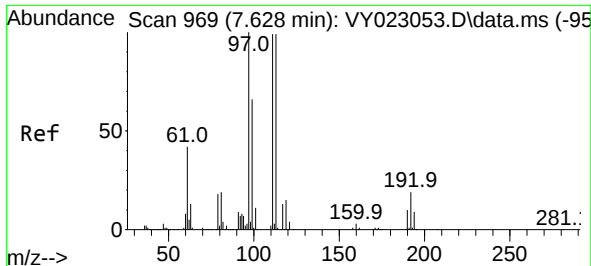
Tgt Ion: 65 Resp: 204258
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.006 min
 Lab File: VY023188.D
 Acq: 22 Aug 2025 13:09

Tgt Ion: 114 Resp: 691689
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.4
 88 15.0 0.0 30.0

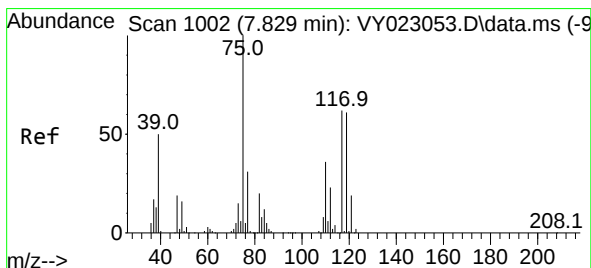
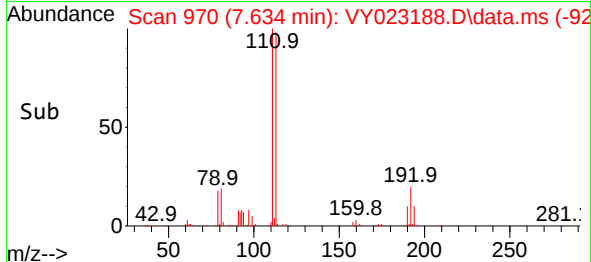
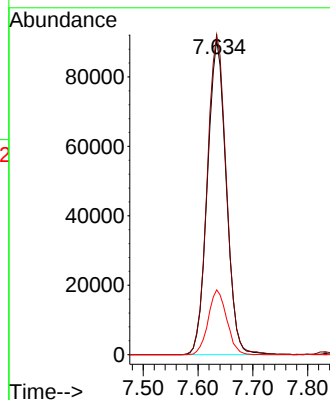
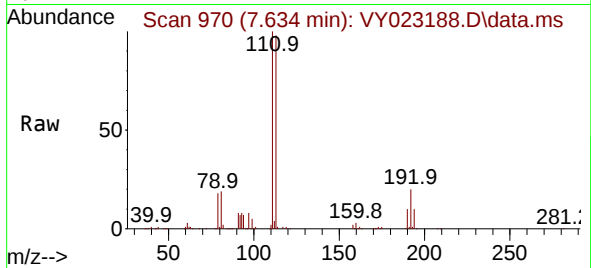




#35
Dibromofluoromethane
Concen: 52.029 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

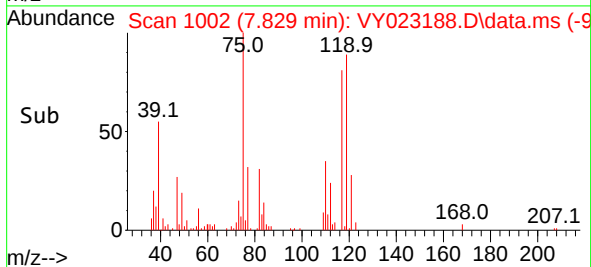
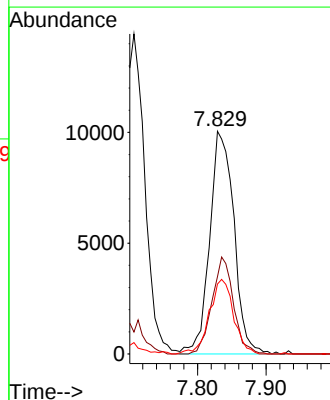
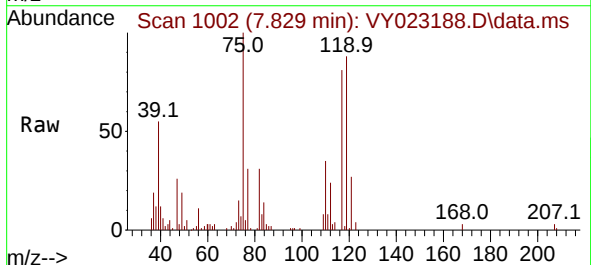
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

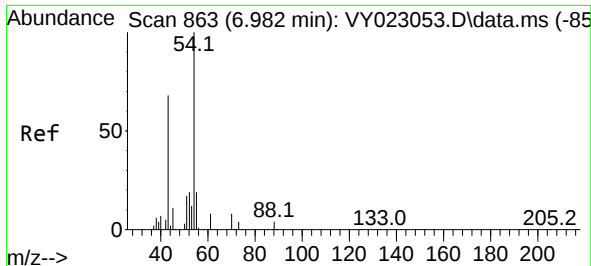
Tgt Ion:113 Resp: 215342
Ion Ratio Lower Upper
113 100
111 103.2 81.1 121.7
192 20.2 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.022 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.000 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion: 75 Resp: 24736
Ion Ratio Lower Upper
75 100
110 38.4 18.1 54.4
77 33.3 24.6 37.0

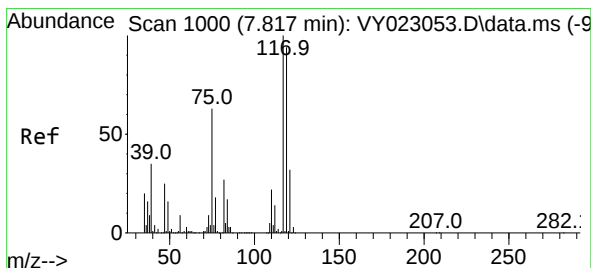
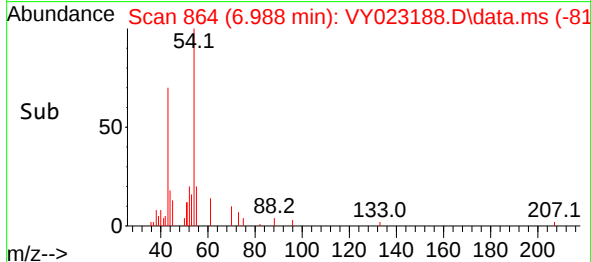
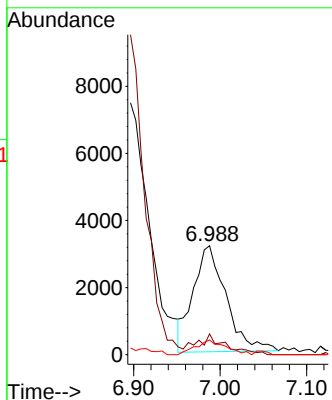
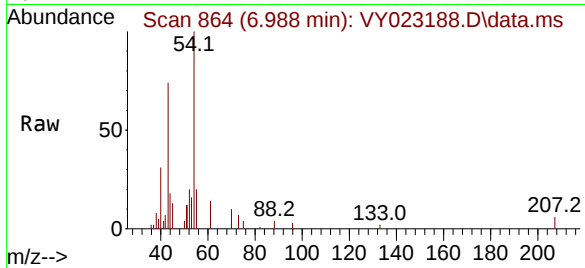




#37
Ethyl Acetate
Concen: 3.238 ug/l
RT: 6.988 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

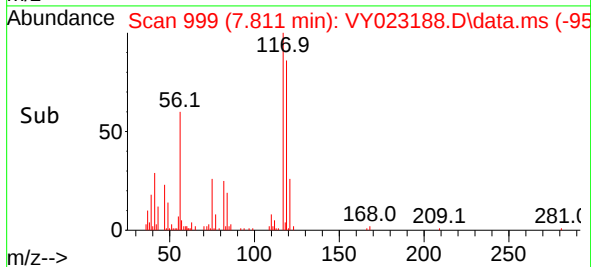
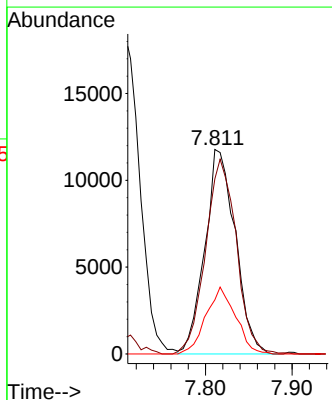
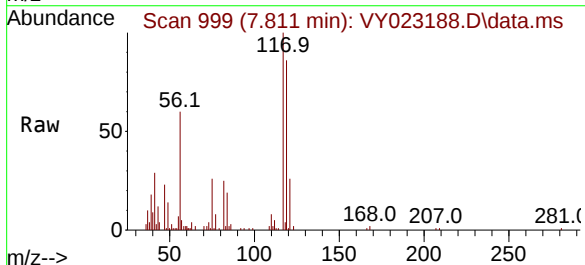
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

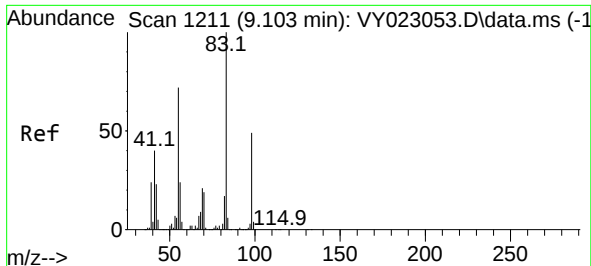
Tgt Ion: 43 Resp: 8367
Ion Ratio Lower Upper
43 100
61 17.0 11.9 17.9
70 12.4 8.8 13.2



#38
Carbon Tetrachloride
Concen: 4.310 ug/l
RT: 7.811 min Scan# 999
Delta R.T. -0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion: 117 Resp: 28794
Ion Ratio Lower Upper
117 100
119 85.1 75.6 113.4
121 26.5 25.8 38.8





#39

Methylcyclohexane

Concen: 3.832 ug/l

RT: 9.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

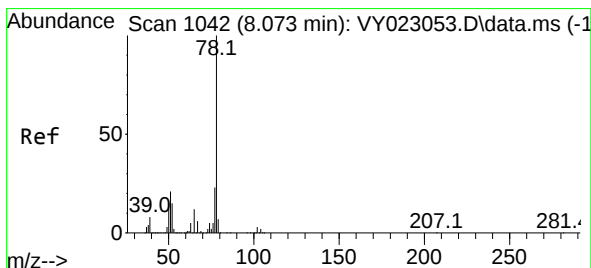
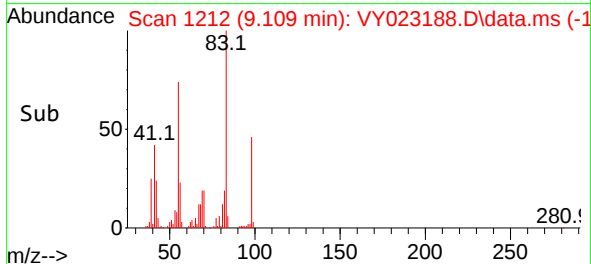
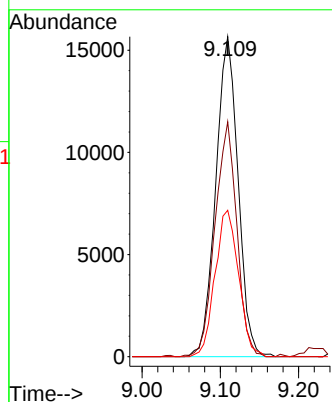
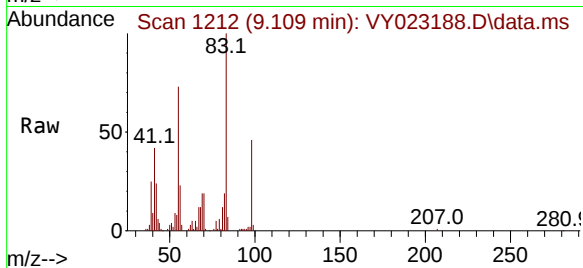
Tgt Ion: 83 Resp: 31036

Ion Ratio Lower Upper

83 100

55 73.4 57.6 86.4

98 45.7 39.2 58.8



#40

Benzene

Concen: 4.280 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY023188.D

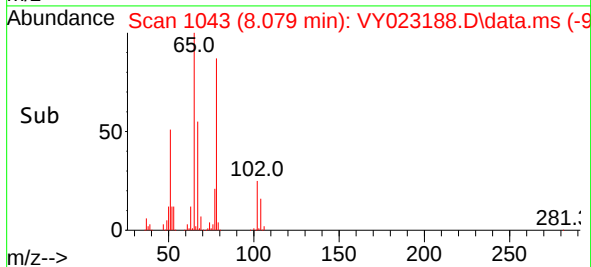
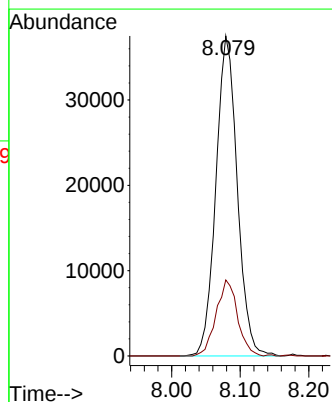
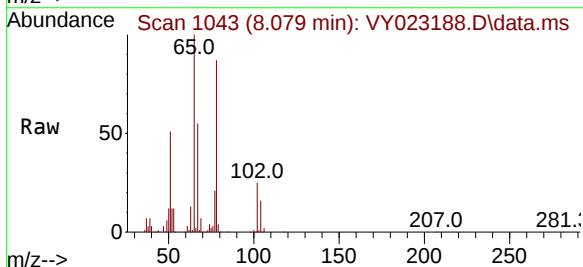
Acq: 22 Aug 2025 13:09

Tgt Ion: 78 Resp: 81149

Ion Ratio Lower Upper

78 100

77 23.8 18.6 28.0

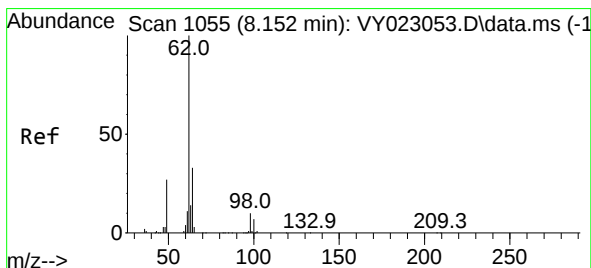
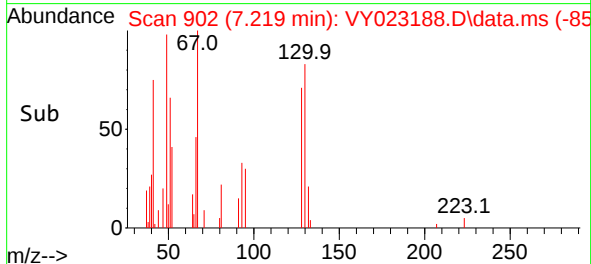
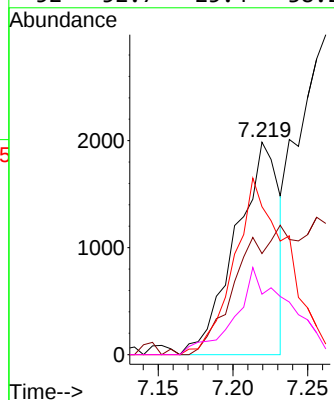
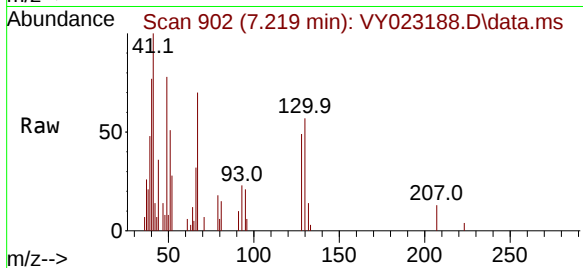




#41
Methacrylonitrile
Concen: 2.672 ug/l
RT: 7.219 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

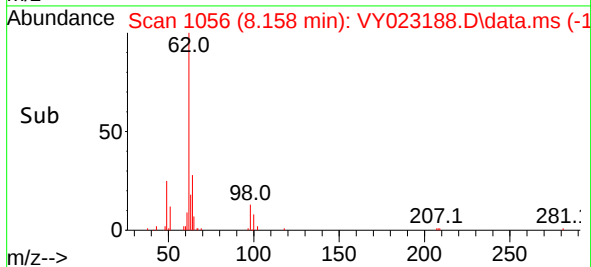
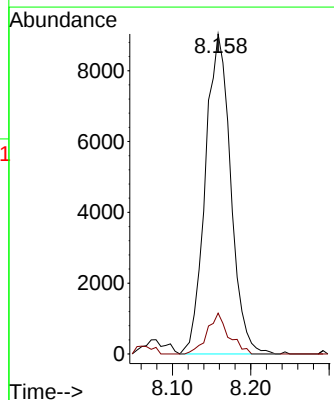
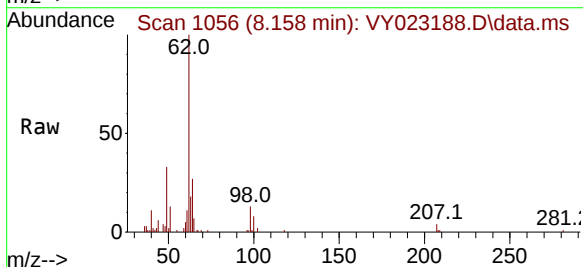
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:	41	Resp:	3985
Ion	Ratio	Lower	Upper
41	100		
39	82.5	43.4	65.2#
67	104.1	63.6	95.4#
52	52.7	25.4	38.2#



#42
1,2-Dichloroethane
Concen: 4.121 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion:	62	Resp:	20318
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.6

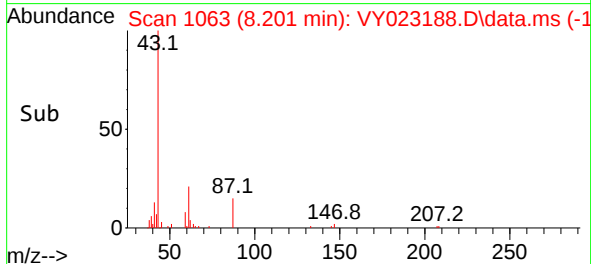
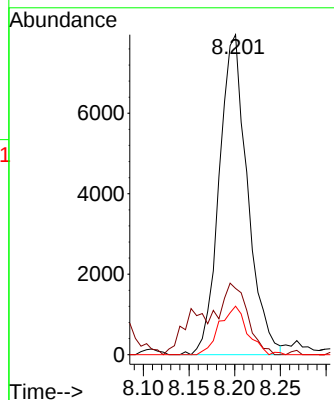
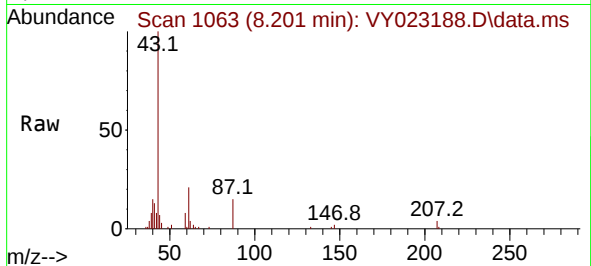




#43
Isopropyl Acetate
Concen: 3.274 ug/l
RT: 8.201 min Scan# 110
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

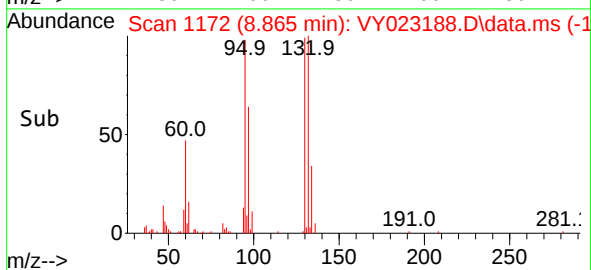
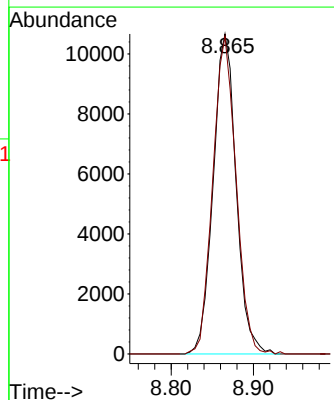
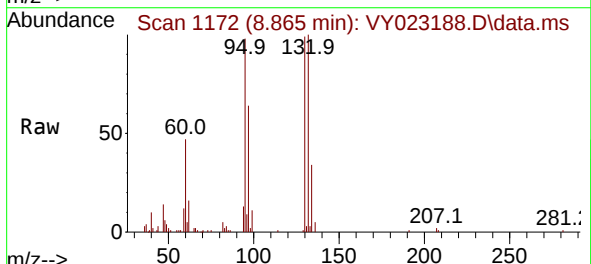
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 43 Resp: 17096
Ion Ratio Lower Upper
43 100
61 22.8 16.4 24.6
87 15.0 11.8 17.6



#44
Trichloroethene
Concen: 4.225 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion:130 Resp: 20701
Ion Ratio Lower Upper
130 100
95 99.2 0.0 190.2





#45

1,2-Dichloropropane

Concen: 4.282 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

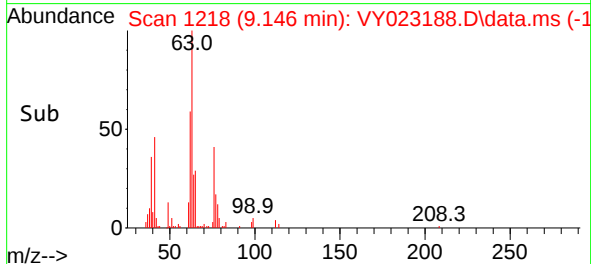
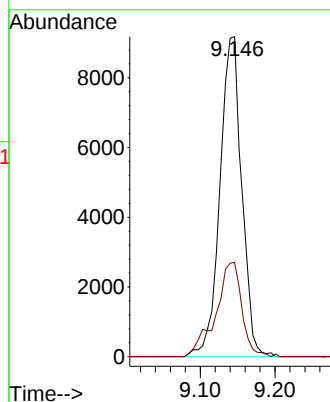
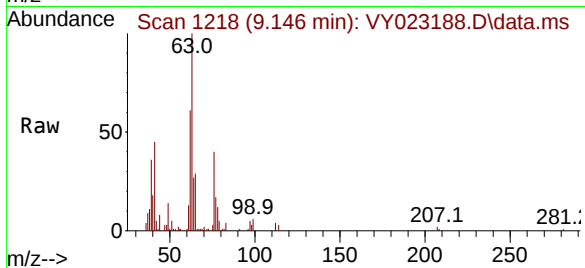
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 63 Resp: 18679

Ion Ratio Lower Upper

63 100

65 29.5 25.3 37.9



#46

Dibromomethane

Concen: 4.133 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

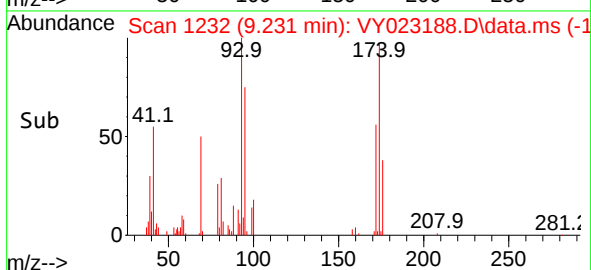
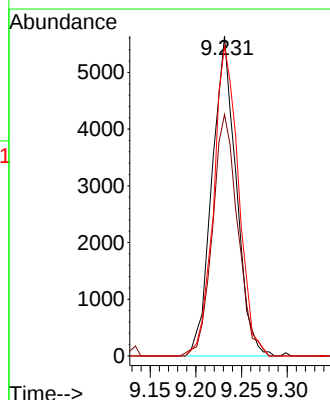
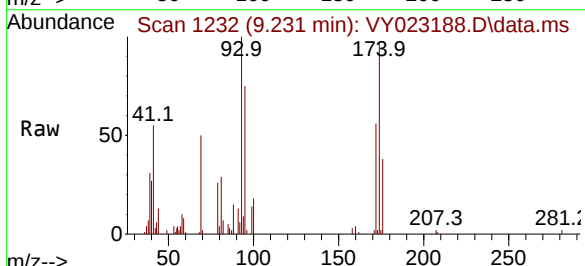
Tgt Ion: 93 Resp: 10348

Ion Ratio Lower Upper

93 100

95 79.0 66.5 99.7

174 99.8 81.8 122.8





#47

Bromodichloromethane

Concen: 4.112 ug/l

RT: 9.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

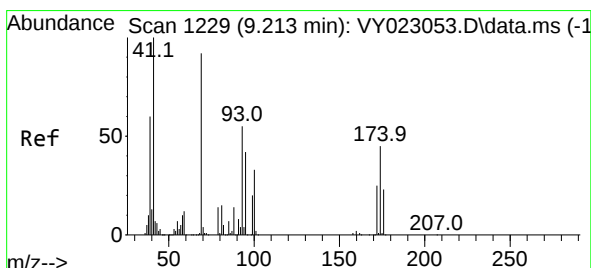
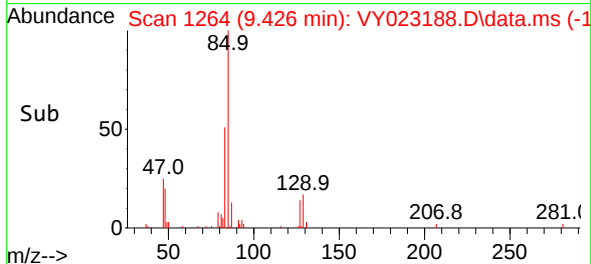
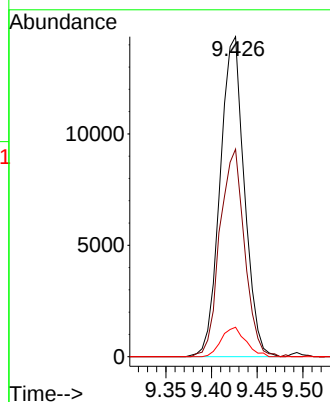
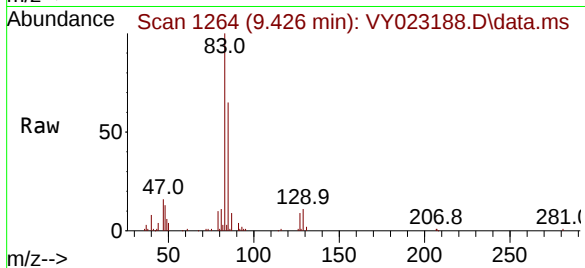
Tgt Ion: 83 Resp: 26493

Ion Ratio Lower Upper

83 100

85 64.8 50.2 75.4

127 9.2 6.6 10.0



#48

Methyl methacrylate

Concen: 2.898 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.006 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

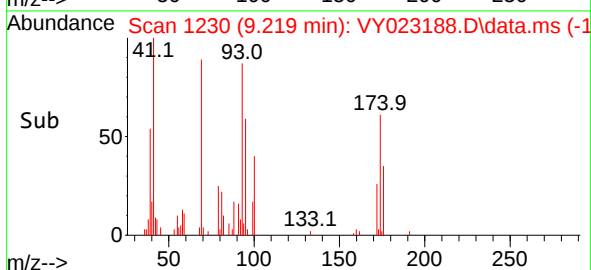
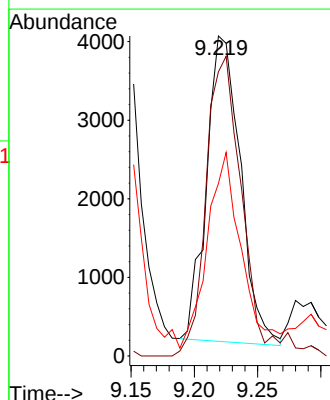
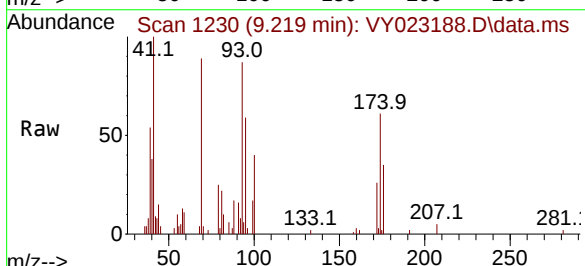
Tgt Ion: 41 Resp: 7242

Ion Ratio Lower Upper

41 100

69 105.2 73.2 109.8

39 65.2 47.0 70.4





#49

1,4-Dioxane

Concen: 63.291 ug/l

RT: 9.231 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

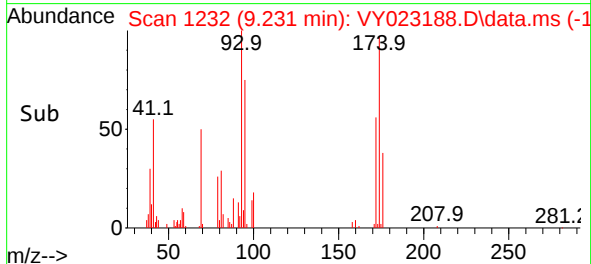
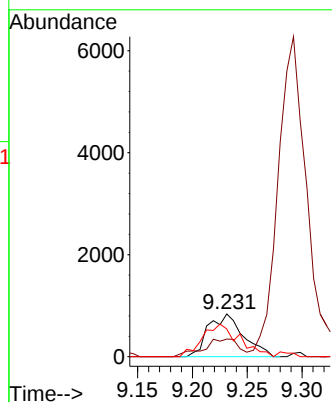
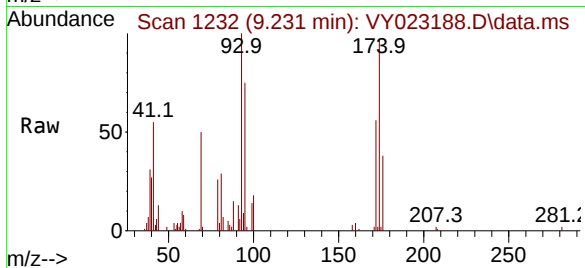
Tgt Ion: 88 Resp: 1858

Ion Ratio Lower Upper

88 100

43 41.6 24.3 36.5#

58 80.7 55.4 83.0



#50

Toluene-d8

Concen: 50.540 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY023188.D

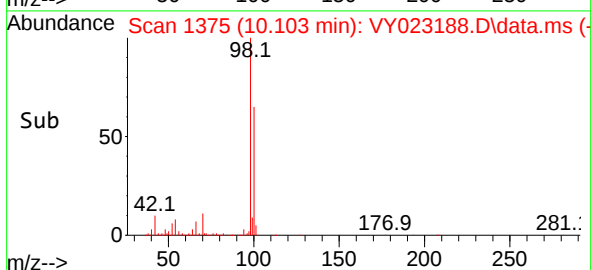
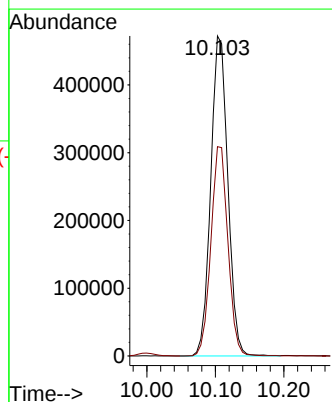
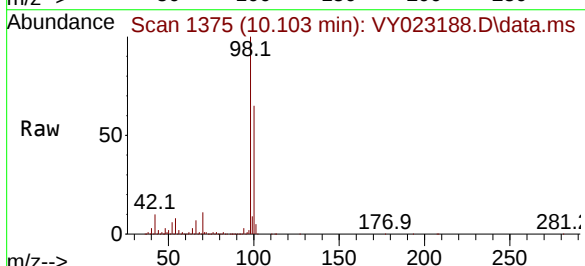
Acq: 22 Aug 2025 13:09

Tgt Ion: 98 Resp: 817163

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5

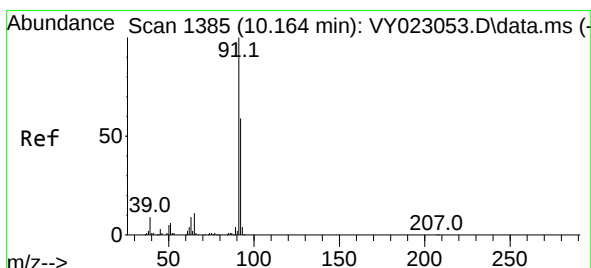
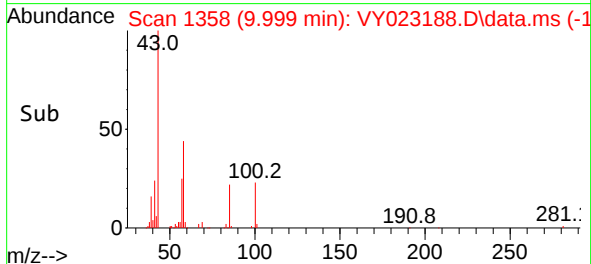
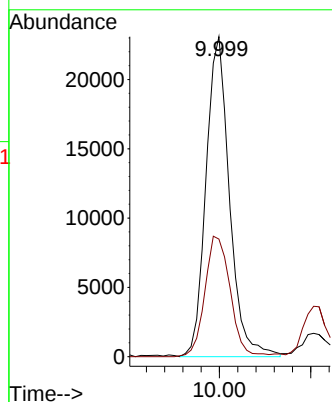
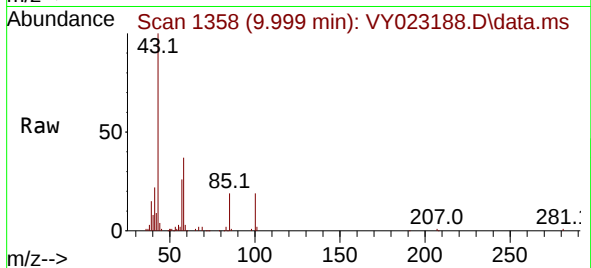




#51
4-Methyl-2-Pentanone
Concen: 15.273 ug/l
RT: 9.999 min Scan# 1357
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

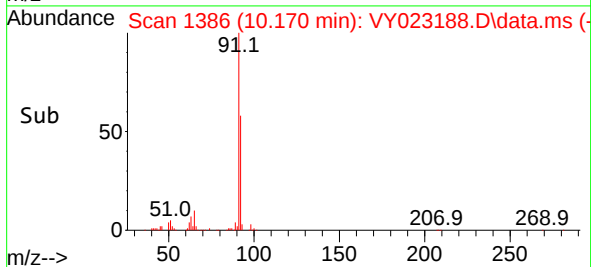
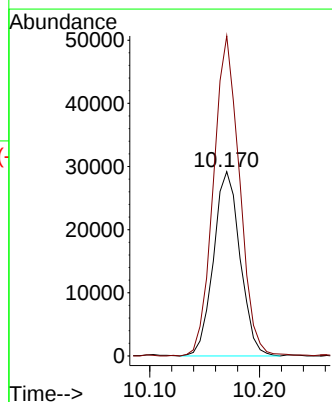
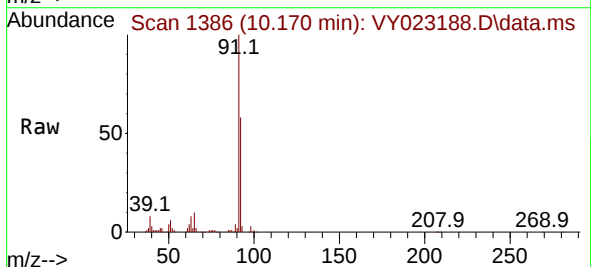
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

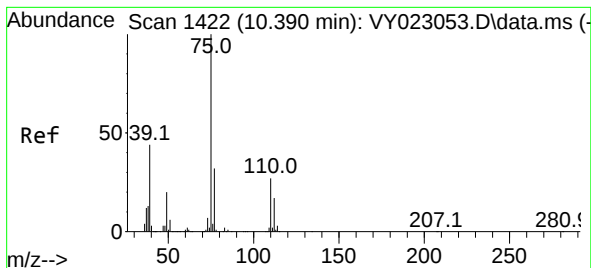
Tgt Ion: 43 Resp: 41144
Ion Ratio Lower Upper
43 100
58 40.6 33.5 50.3



#52
Toluene
Concen: 4.085 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion: 92 Resp: 49186
Ion Ratio Lower Upper
92 100
91 170.8 136.4 204.6

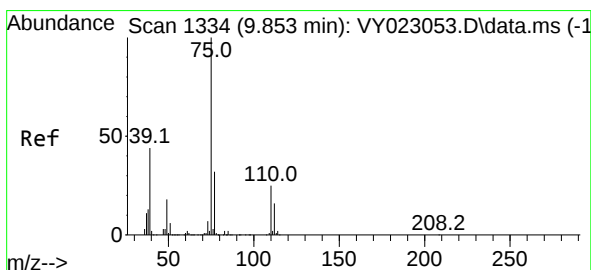
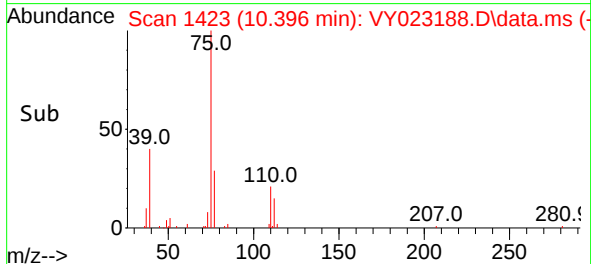
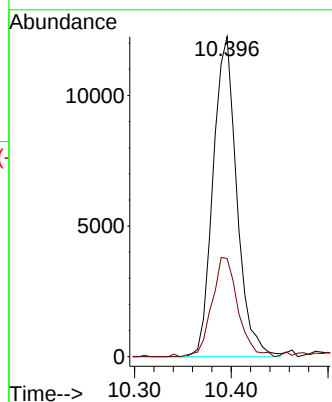
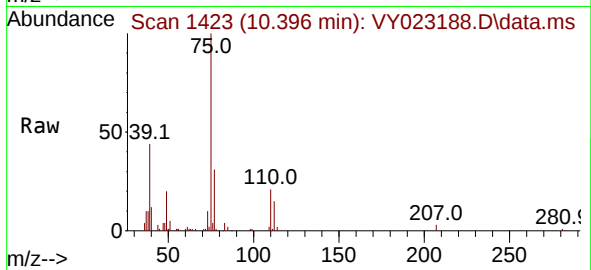




#53
 t-1,3-Dichloropropene
 Concen: 3.577 ug/l
 RT: 10.396 min Scan# 1423
 Delta R.T. 0.006 min
 Lab File: VY023188.D
 Acq: 22 Aug 2025 13:09

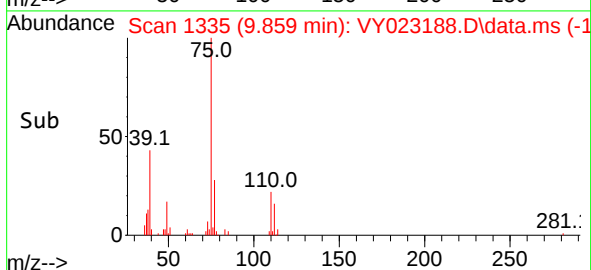
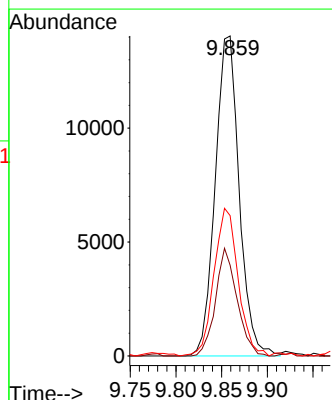
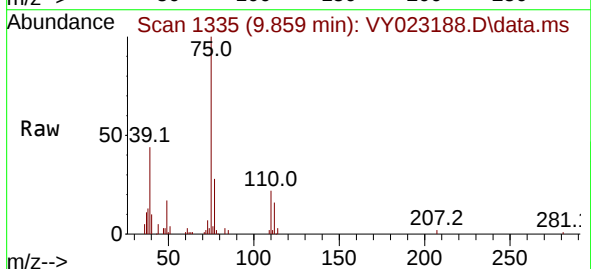
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

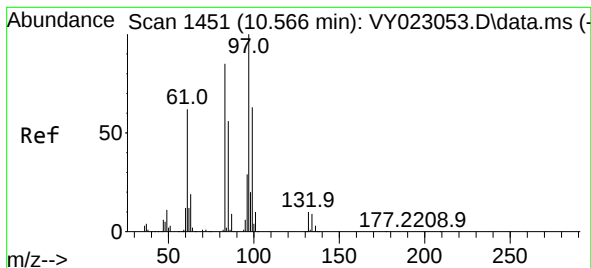
Tgt Ion: 75 Resp: 20867
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 3.720 ug/l
 RT: 9.859 min Scan# 1335
 Delta R.T. 0.006 min
 Lab File: VY023188.D
 Acq: 22 Aug 2025 13:09

Tgt Ion: 75 Resp: 25665
 Ion Ratio Lower Upper
 75 100
 77 28.3 25.4 38.0
 39 43.9 35.6 53.4

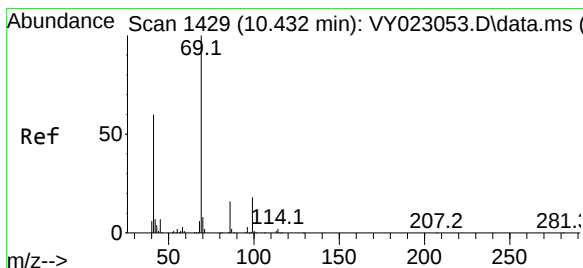
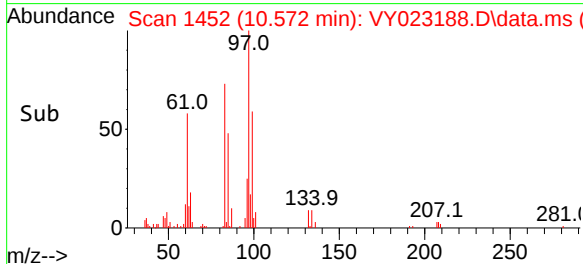
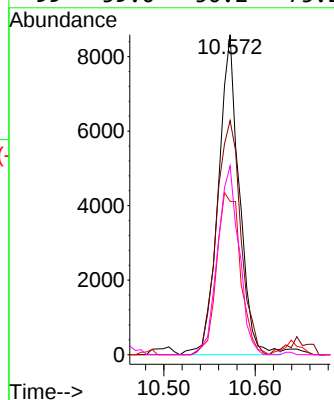
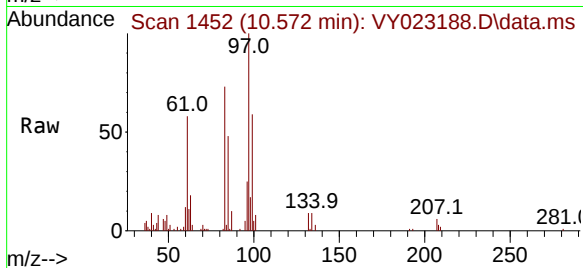




#55
1,1,2-Trichloroethane
Concen: 4.088 ug/l
RT: 10.572 min Scan# 1451
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

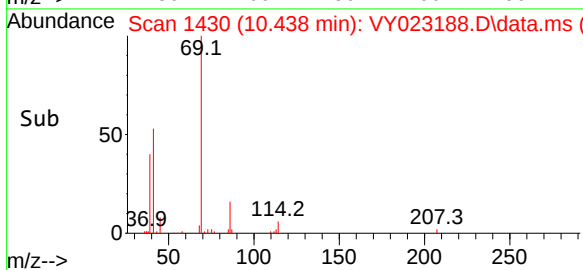
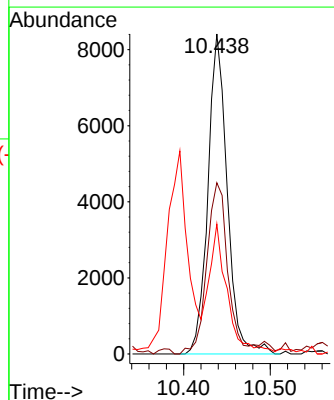
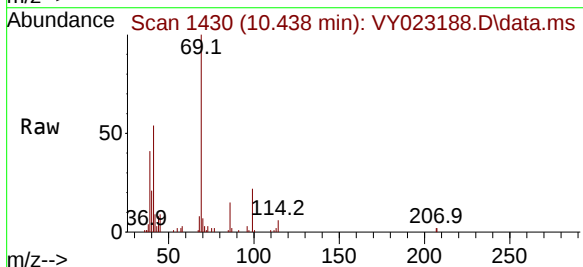
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

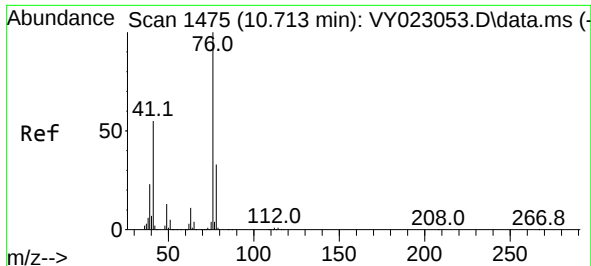
Tgt Ion:	97	Resp:	13694
Ion	Ratio	Lower	Upper
97	100		
83	73.1	67.7	101.5
85	47.9	44.5	66.7
99	59.0	50.2	75.2



#56
Ethyl methacrylate
Concen: 3.040 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion:	69	Resp:	13030
Ion	Ratio	Lower	Upper
69	100		
41	57.6	48.6	72.8
39	36.2	27.0	40.4





#57

1,3-Dichloropropane

Concen: 3.762 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

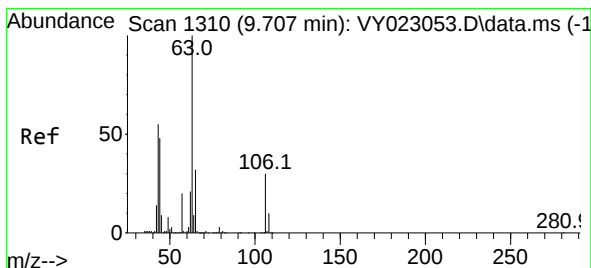
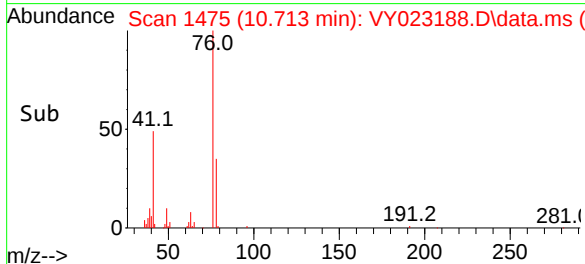
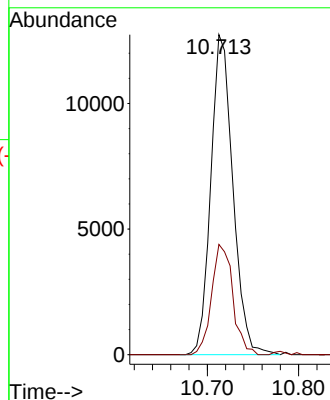
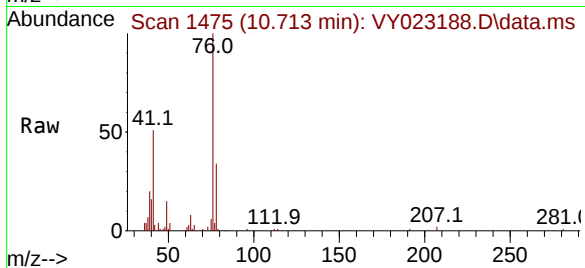
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 76 Resp: 21375

Ion Ratio Lower Upper

76 100

78 33.0 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 13.932 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY023188.D

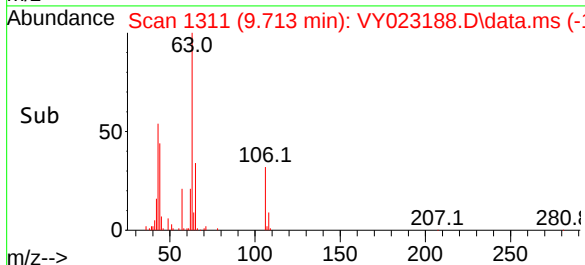
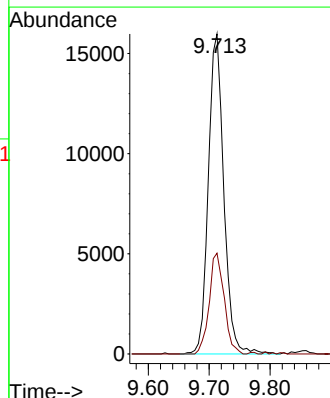
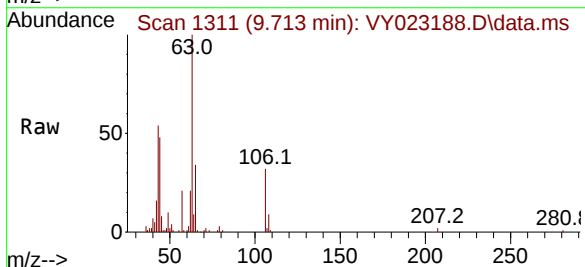
Acq: 22 Aug 2025 13:09

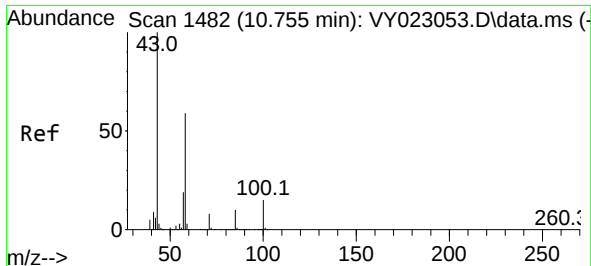
Tgt Ion: 63 Resp: 28173

Ion Ratio Lower Upper

63 100

106 30.4 23.2 34.8

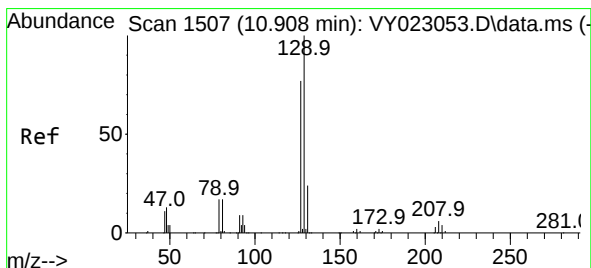
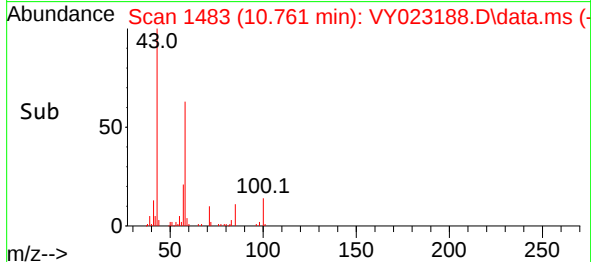
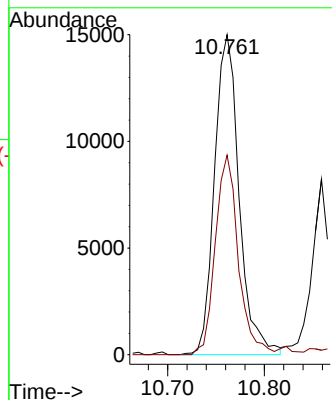
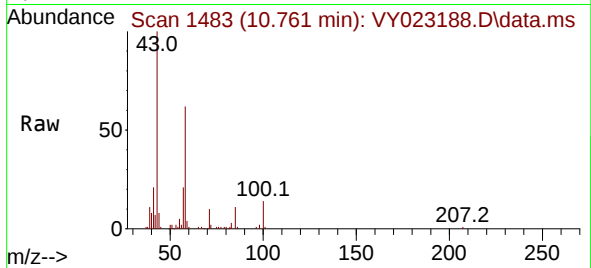




#59
2-Hexanone
Concen: 14.468 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

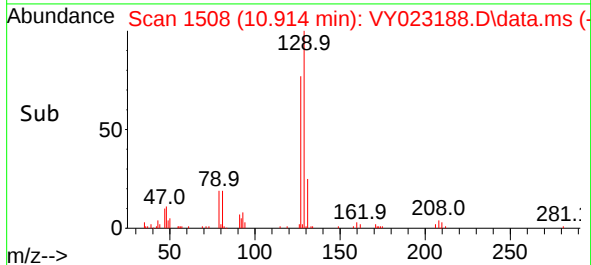
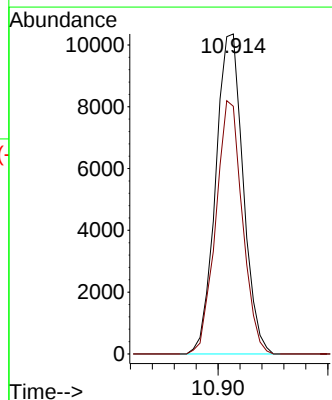
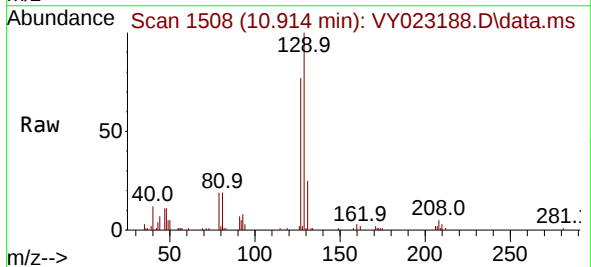
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

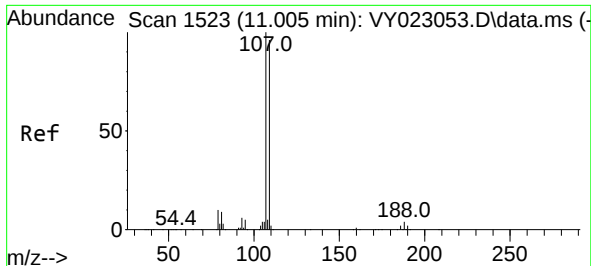
Tgt Ion: 43 Resp: 26539
Ion Ratio Lower Upper
43 100
58 58.2 29.5 88.5



#60
Dibromochloromethane
Concen: 4.086 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion: 129 Resp: 18061
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5

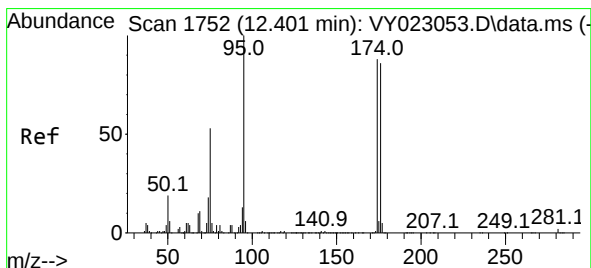
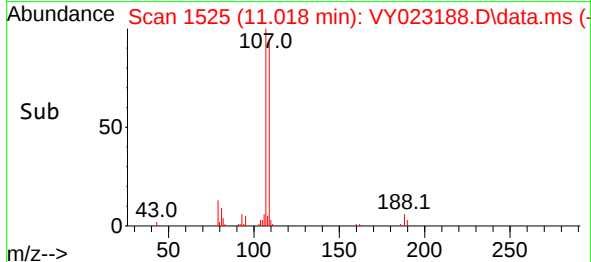
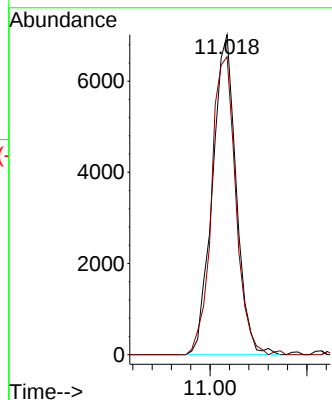
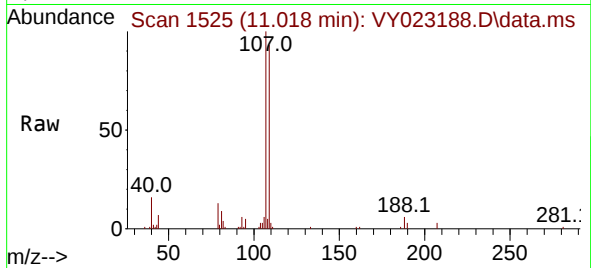




#61
1,2-Dibromoethane
Concen: 3.783 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.012 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

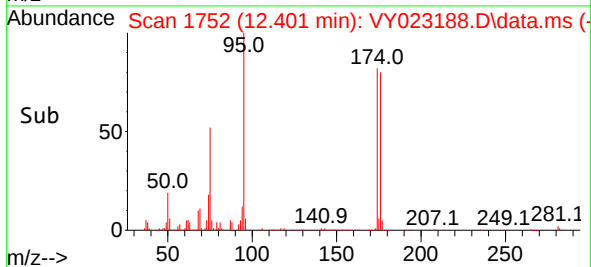
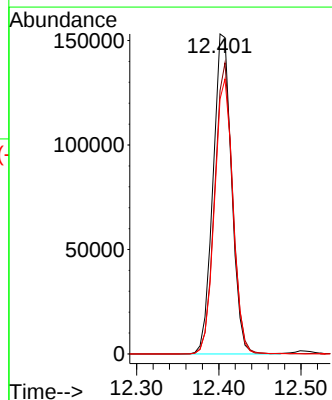
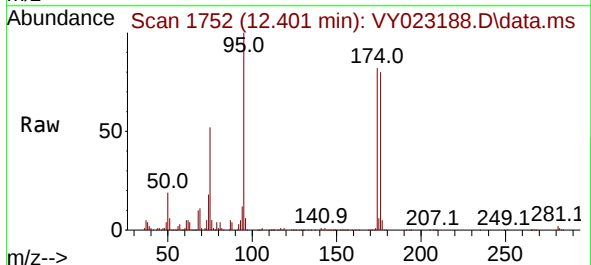
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

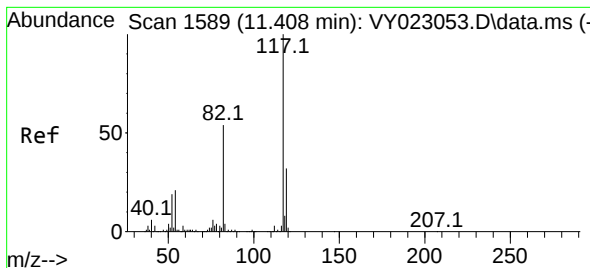
Tgt Ion:107 Resp: 11913
Ion Ratio Lower Upper
107 100
109 95.6 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 46.110 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion: 95 Resp: 239763
Ion Ratio Lower Upper
95 100
174 88.7 0.0 171.6
176 85.5 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. 0.006 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

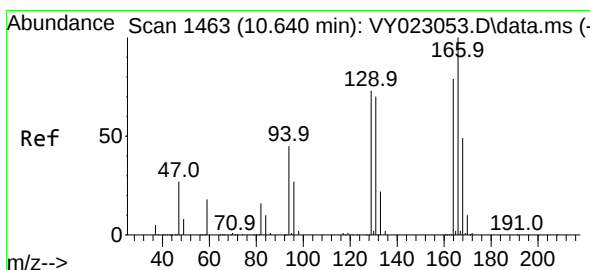
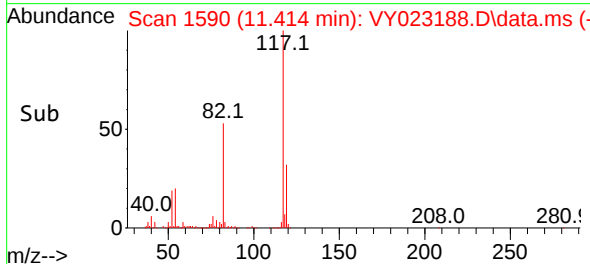
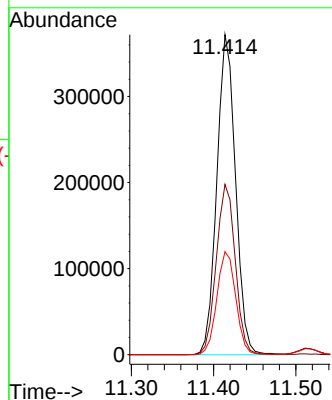
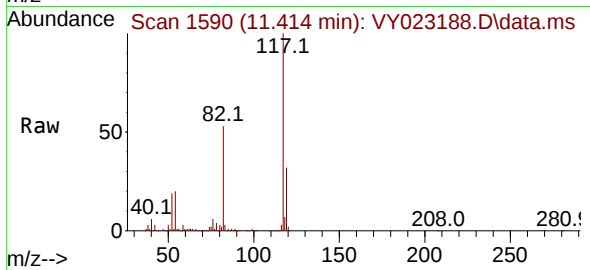
Tgt Ion:117 Resp: 587239

Ion Ratio Lower Upper

117 100

82 53.2 43.4 65.0

119 32.2 25.6 38.4



#64

Tetrachloroethene

Concen: 4.225 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

Tgt Ion:164 Resp: 22157

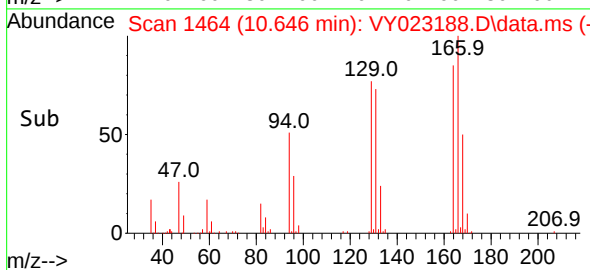
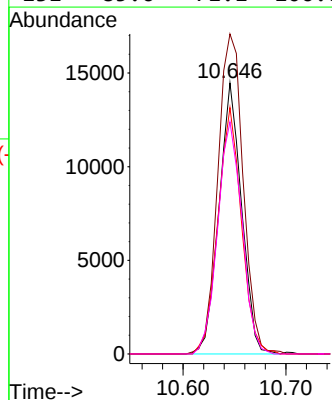
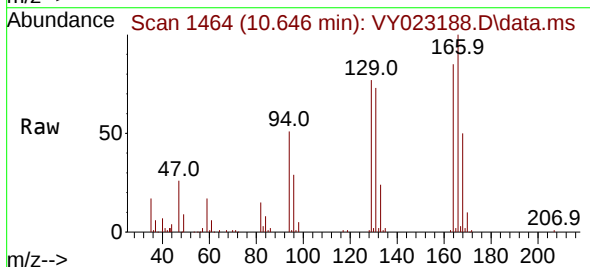
Ion Ratio Lower Upper

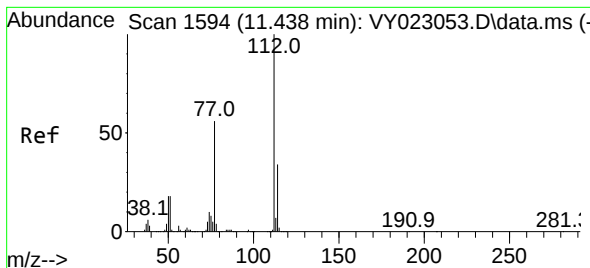
164 100

166 118.0 101.1 151.7

129 90.9 74.0 111.0

131 85.6 71.1 106.7





#65

Chlorobenzene

Concen: 4.197 ug/l

RT: 11.438 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

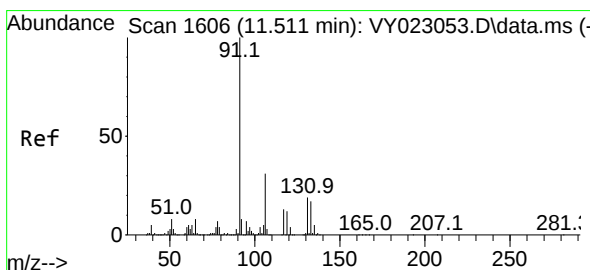
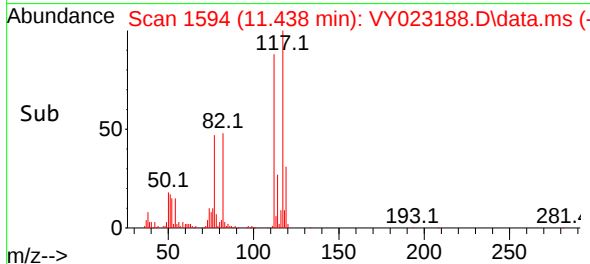
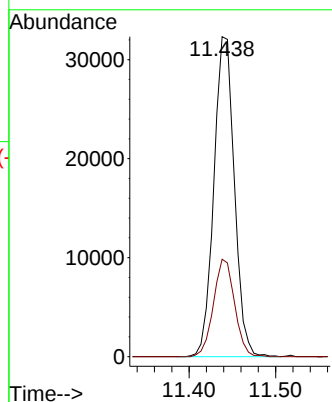
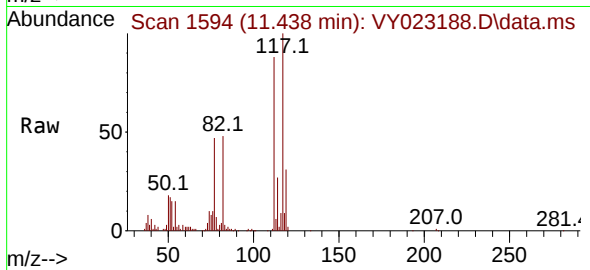
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:112 Resp: 53158

Ion Ratio Lower Upper

112 100

114 30.4 27.0 40.4



#66

1,1,1,2-Tetrachloroethane

Concen: 4.035 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

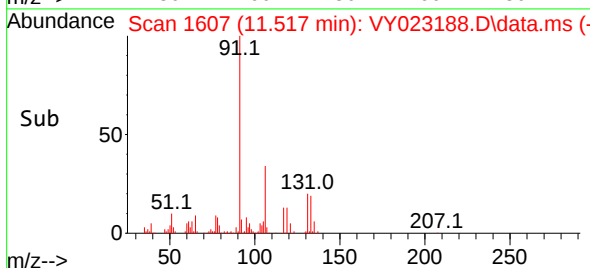
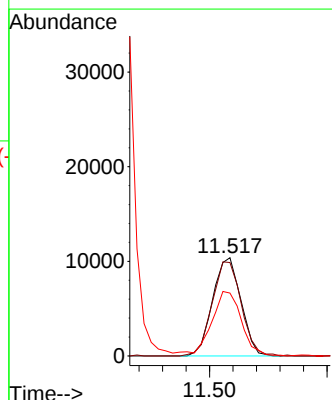
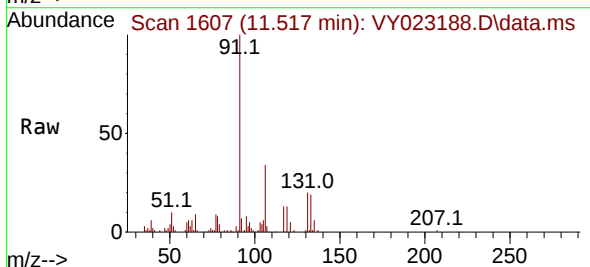
Tgt Ion:131 Resp: 17345

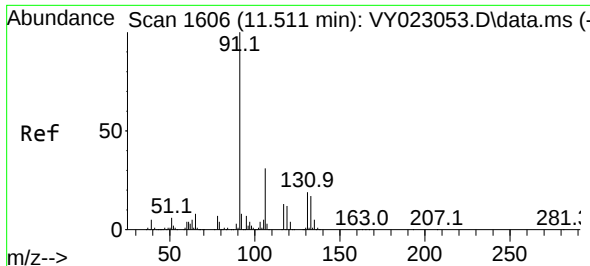
Ion Ratio Lower Upper

131 100

133 99.1 46.9 140.6

119 69.3 33.2 99.6





#67

Ethyl Benzene

Concen: 3.776 ug/l

RT: 11.517 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

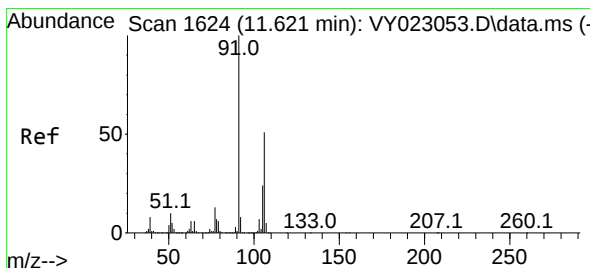
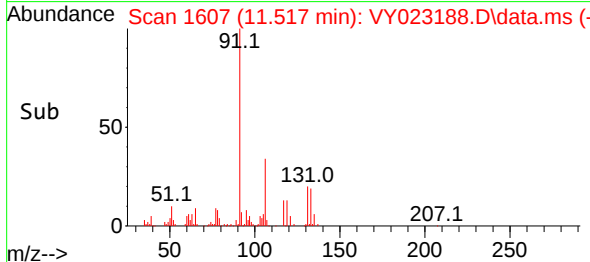
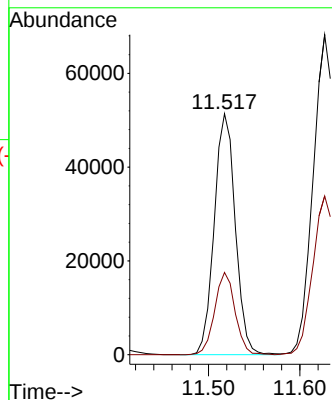
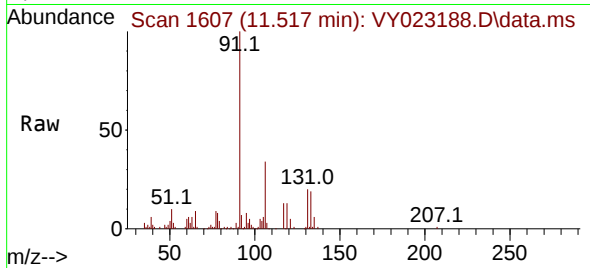
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 91 Resp: 82304

Ion Ratio Lower Upper

91 100

106 34.2 25.0 37.4



#68

m/p-Xylenes

Concen: 7.356 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.006 min

Lab File: VY023188.D

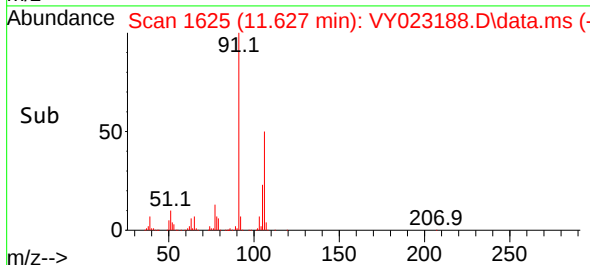
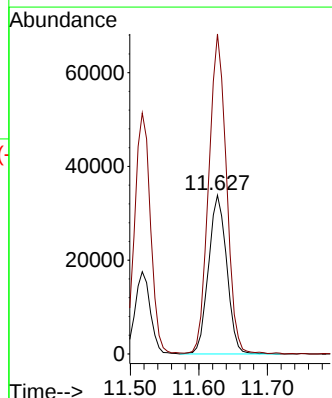
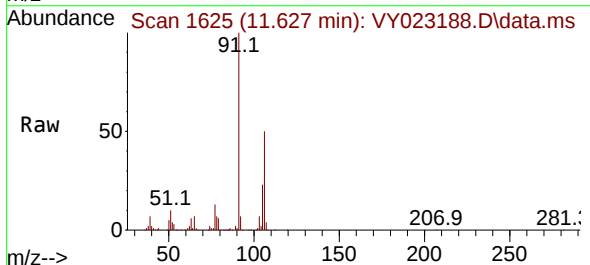
Acq: 22 Aug 2025 13:09

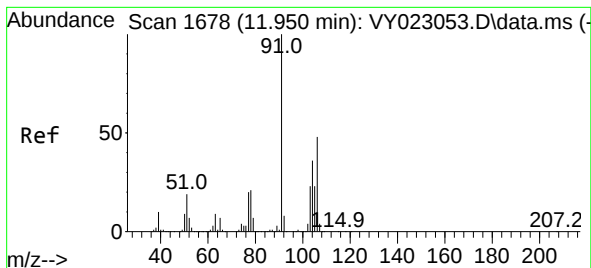
Tgt Ion:106 Resp: 62628

Ion Ratio Lower Upper

106 100

91 195.1 158.6 238.0





#69

o-Xylene

Concen: 3.633 ug/l

RT: 11.956 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

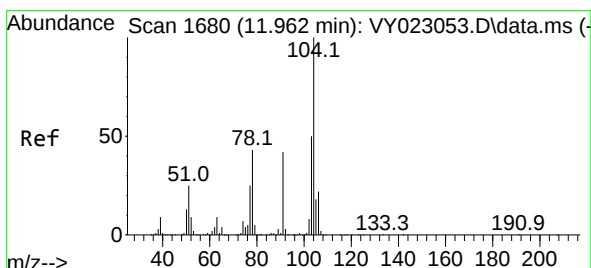
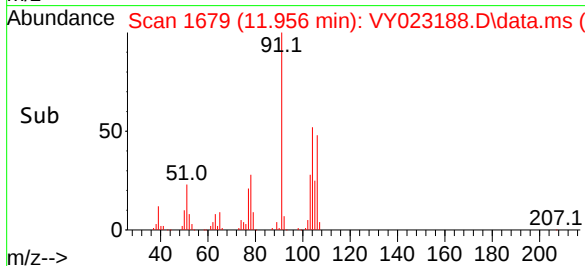
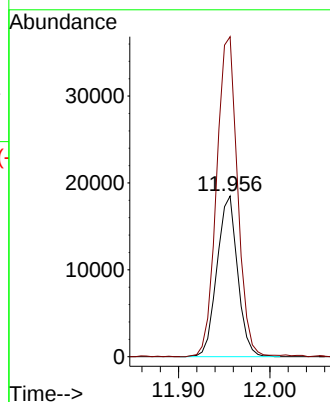
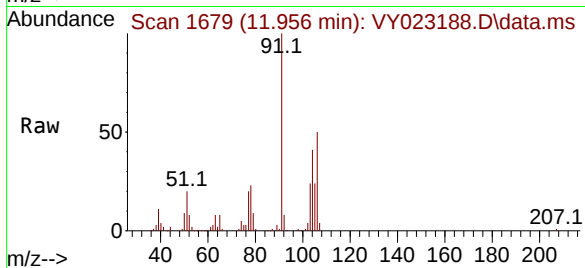
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:106 Resp: 28972

Ion Ratio Lower Upper

106 100

91 203.1 103.2 309.4



#70

Styrene

Concen: 3.546 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.006 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

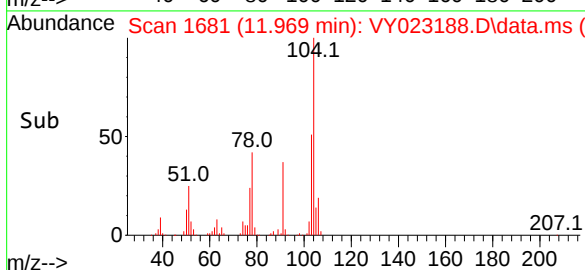
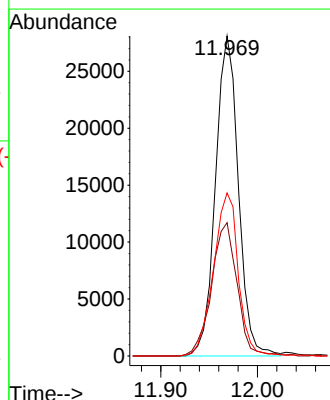
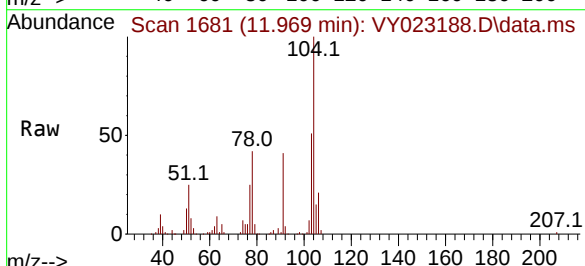
Tgt Ion:104 Resp: 46235

Ion Ratio Lower Upper

104 100

78 46.5 38.5 57.7

103 55.2 43.7 65.5





#71

Bromoform

Concen: 3.927 ug/l

RT: 12.133 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

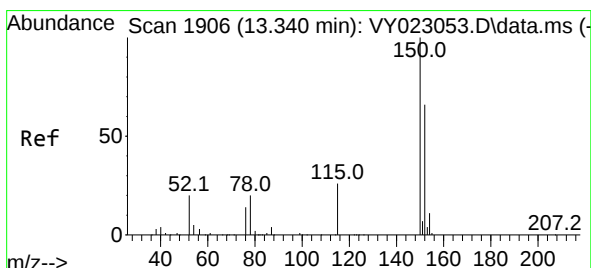
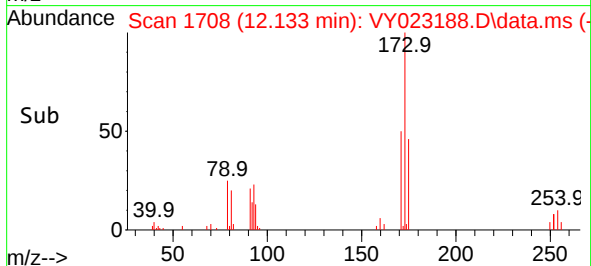
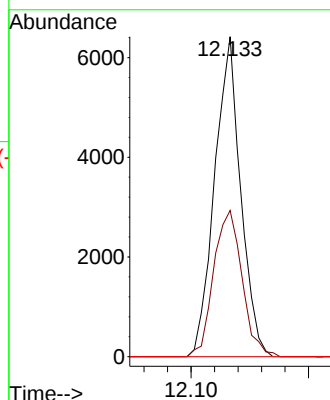
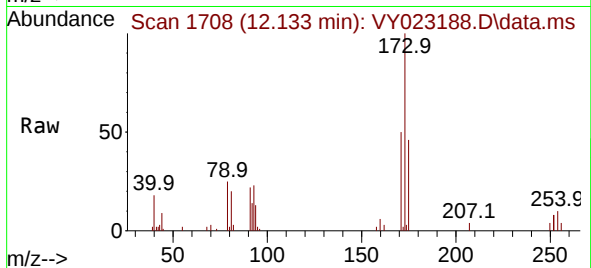
Tgt Ion:173 Resp: 9867

Ion Ratio Lower Upper

173 100

175 49.9 23.9 71.7

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

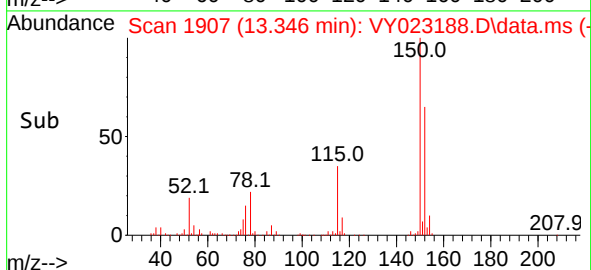
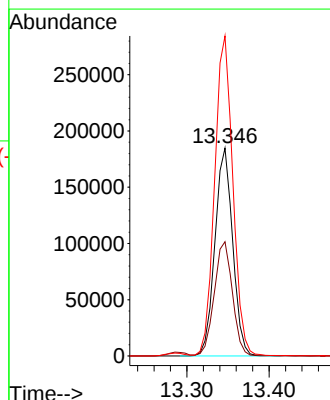
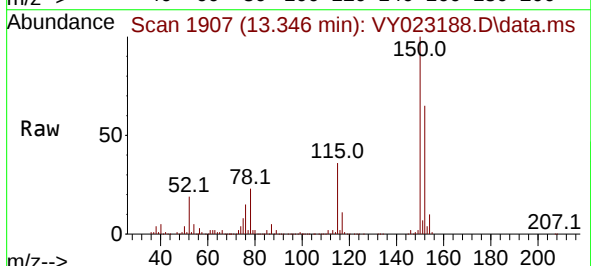
Tgt Ion:152 Resp: 277329

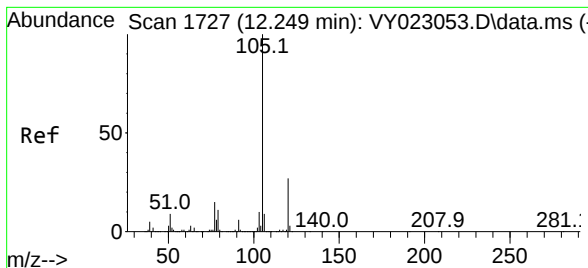
Ion Ratio Lower Upper

152 100

115 56.1 28.2 84.6

150 157.4 0.0 348.0





#73

Isopropylbenzene

Concen: 3.801 ug/l

RT: 12.249 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

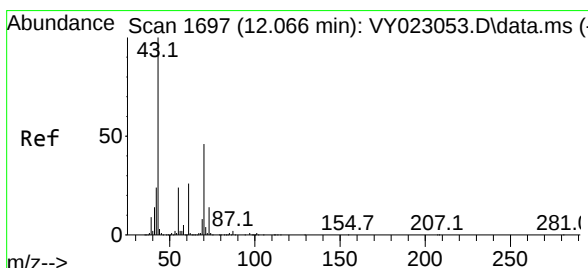
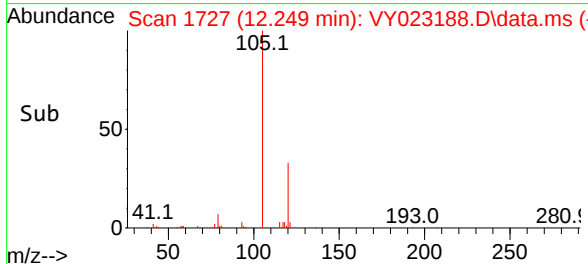
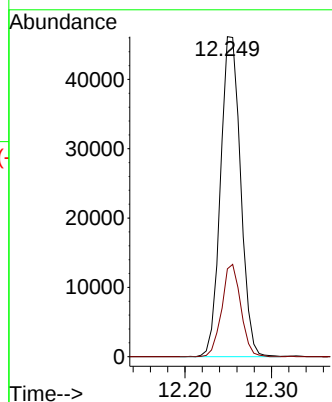
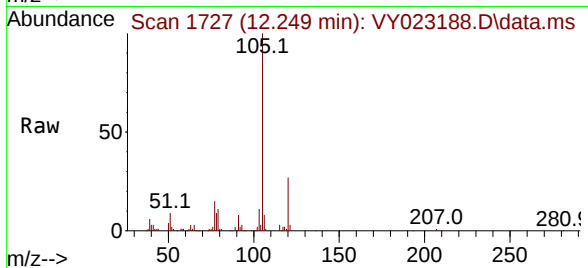
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:105 Resp: 74409

Ion Ratio Lower Upper

105 100

120 27.3 13.4 40.2



#74

N-ethyl acetate

Concen: 2.921 ug/l

RT: 12.066 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

Tgt Ion: 43 Resp: 12124

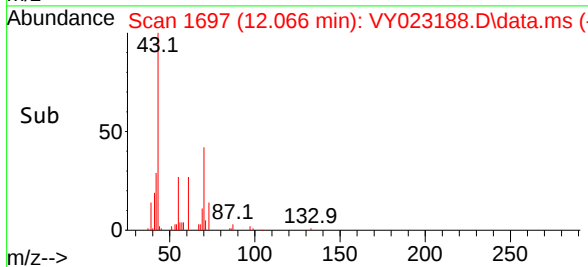
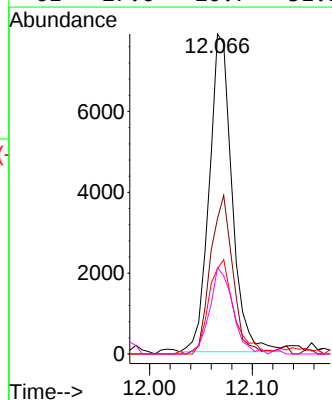
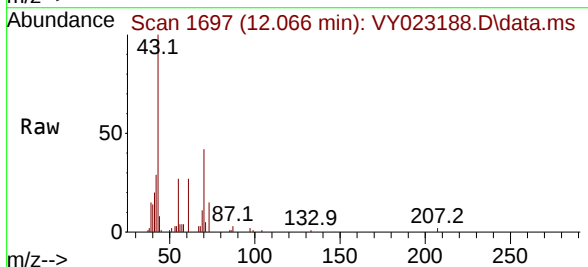
Ion Ratio Lower Upper

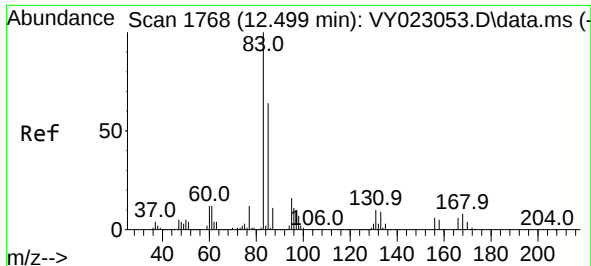
43 100

70 49.1 37.5 56.3

55 32.6 20.7 31.1#

61 27.6 20.7 31.1

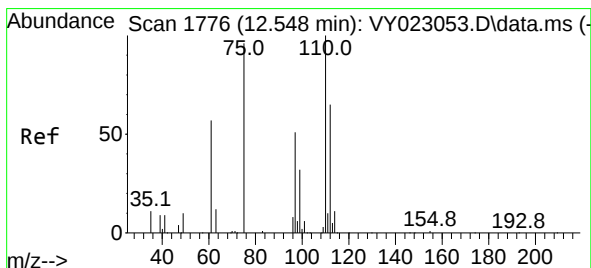
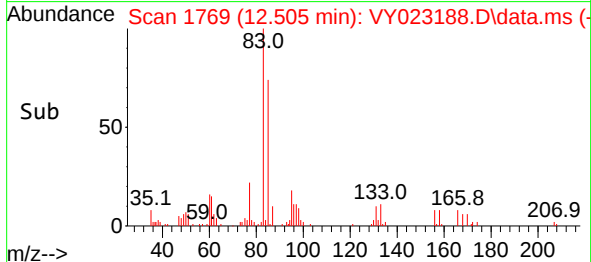
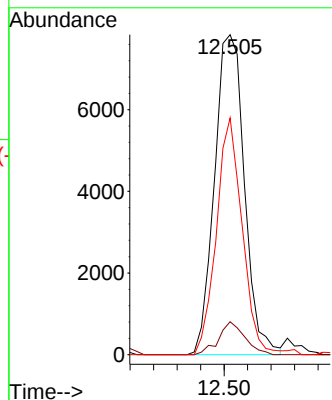
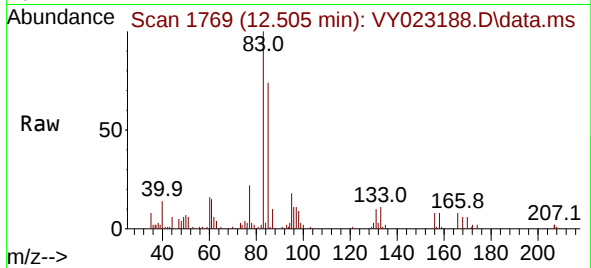




#75
 1,1,2,2-Tetrachloroethane
 Concen: 4.152 ug/l
 RT: 12.505 min Scan# 1769
 Delta R.T. 0.006 min
 Lab File: VY023188.D
 Acq: 22 Aug 2025 13:09

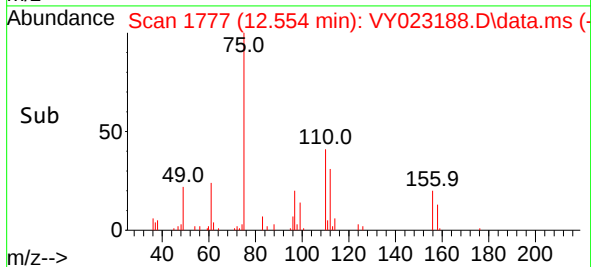
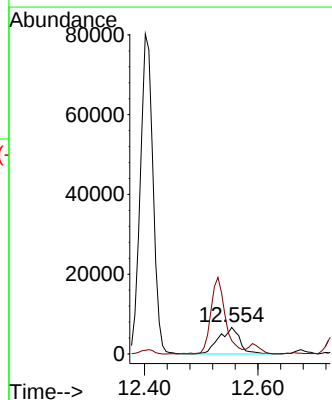
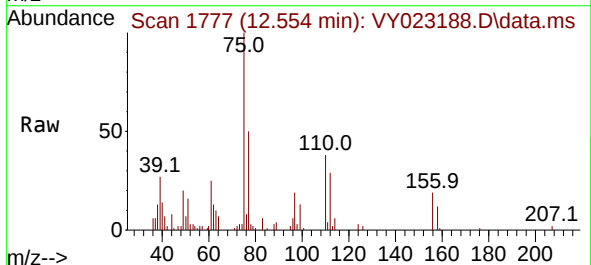
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

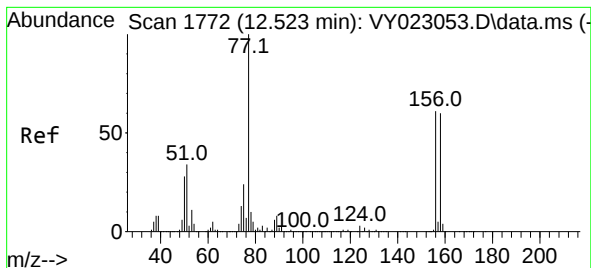
Tgt Ion: 83 Resp: 13877
 Ion Ratio Lower Upper
 83 100
 131 9.0 5.1 15.3
 85 64.2 31.8 95.3



#76
 1,2,3-Trichloropropane
 Concen: 6.444 ug/l
 RT: 12.554 min Scan# 1777
 Delta R.T. 0.006 min
 Lab File: VY023188.D
 Acq: 22 Aug 2025 13:09

Tgt Ion: 75 Resp: 17248
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.174 ug/l

RT: 12.529 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

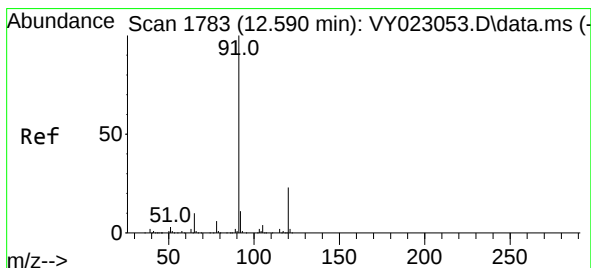
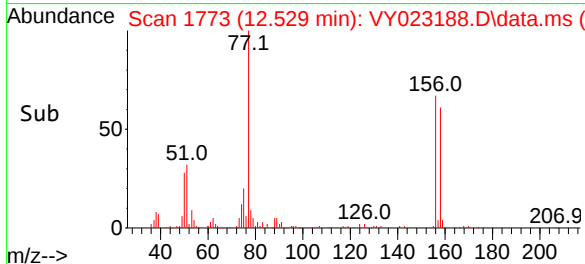
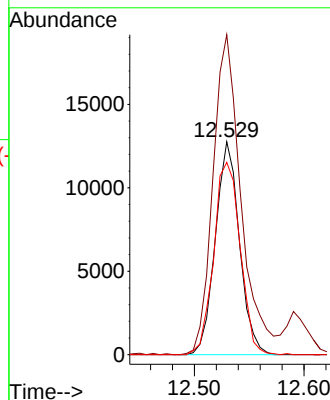
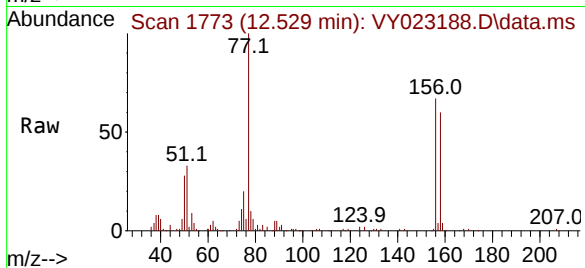
Tgt Ion:156 Resp: 19493

Ion Ratio Lower Upper

156 100

77 174.2 88.1 264.4

158 99.1 48.0 144.0



#78

n-propylbenzene

Concen: 3.969 ug/l

RT: 12.596 min Scan# 1784

Delta R.T. 0.006 min

Lab File: VY023188.D

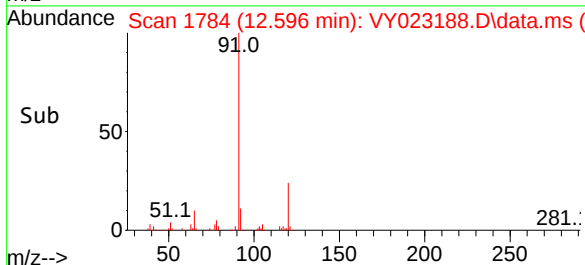
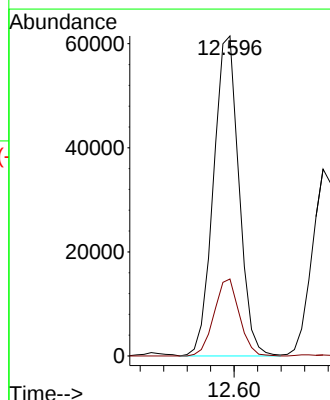
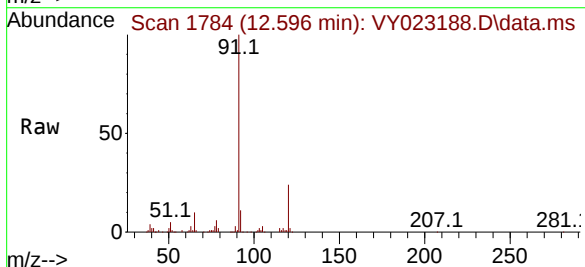
Acq: 22 Aug 2025 13:09

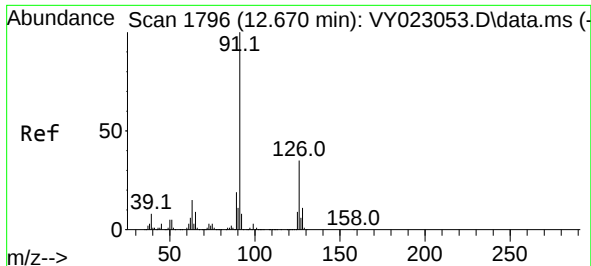
Tgt Ion: 91 Resp: 92502

Ion Ratio Lower Upper

91 100

120 23.8 11.5 34.5

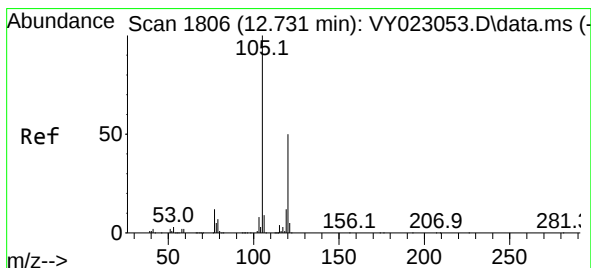
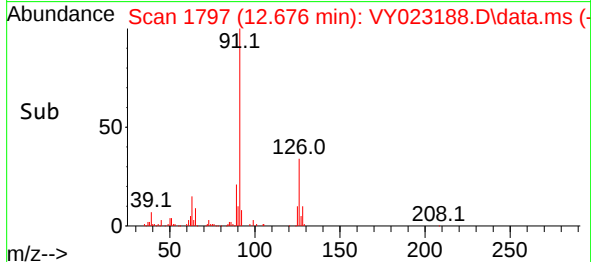
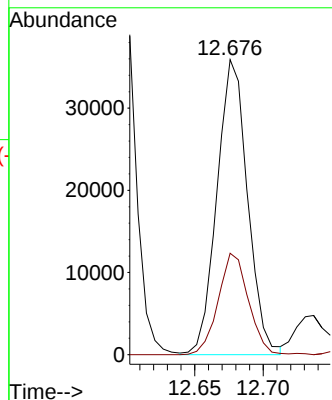
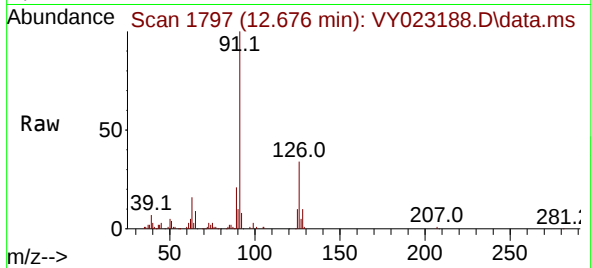




#79
2-Chlorotoluene
Concen: 4.185 ug/l
RT: 12.676 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

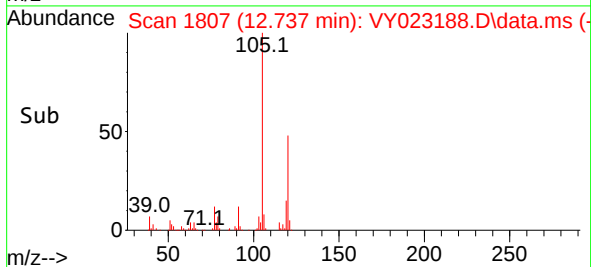
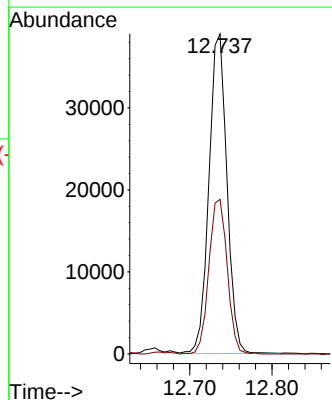
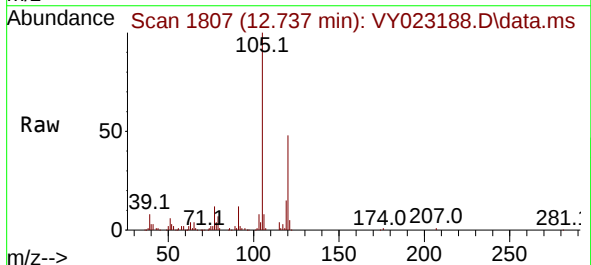
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

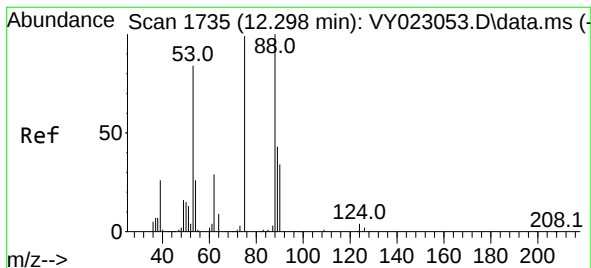
Tgt Ion: 91 Resp: 55877
Ion Ratio Lower Upper
91 100
126 34.0 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 3.742 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion: 105 Resp: 59197
Ion Ratio Lower Upper
105 100
120 49.3 24.8 74.4

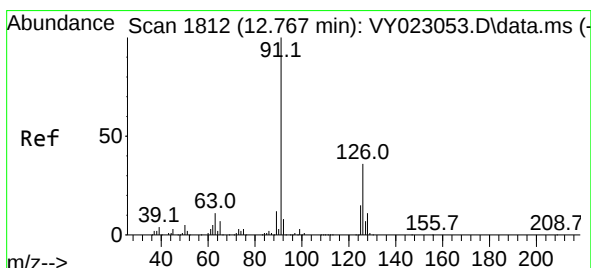
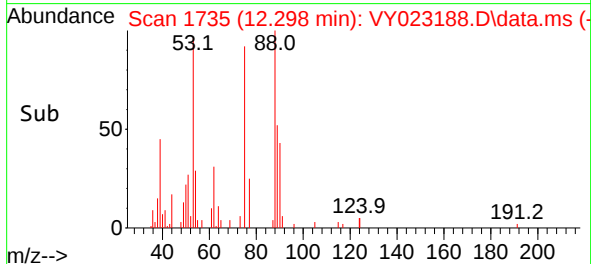
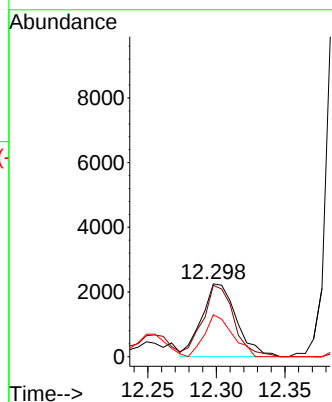
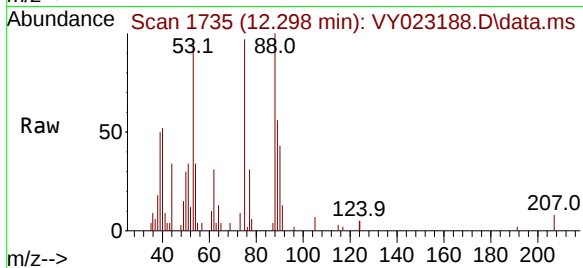




#81
trans-1,4-Dichloro-2-butene
Concen: 3.578 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

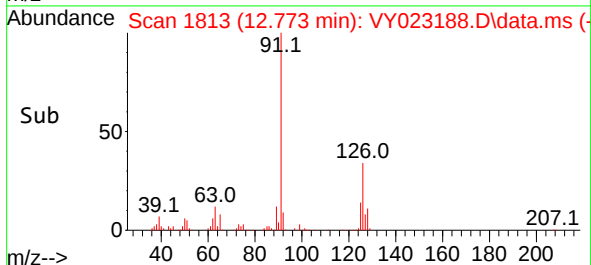
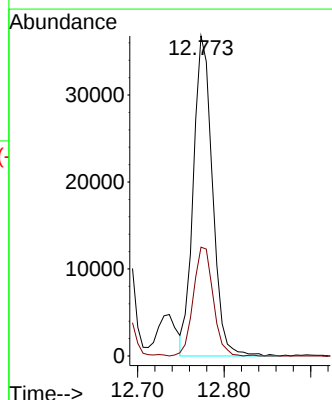
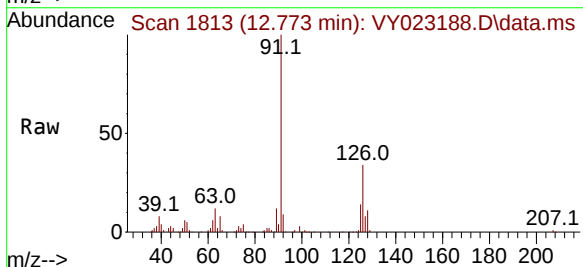
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 75 Resp: 3956
Ion Ratio Lower Upper
75 100
53 88.0 70.8 106.2
89 46.5 38.1 57.1



#82
4-Chlorotoluene
Concen: 4.075 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion: 91 Resp: 56450
Ion Ratio Lower Upper
91 100
126 35.1 17.3 52.0





#83

tert-Butylbenzene

Concen: 3.872 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

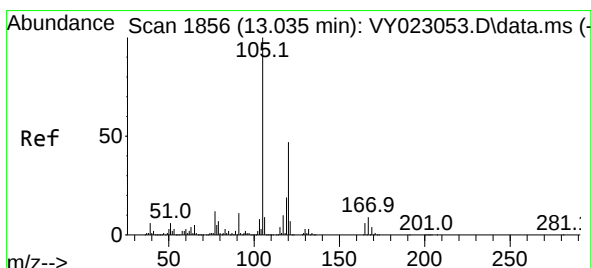
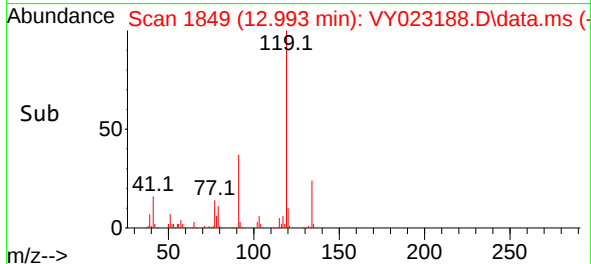
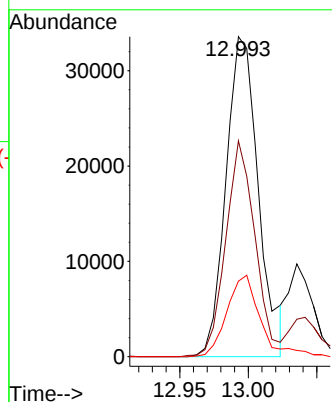
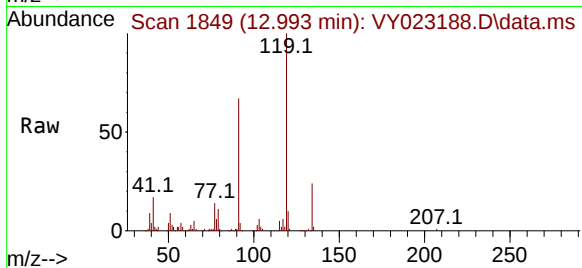
Tgt Ion:119 Resp: 55317

Ion Ratio Lower Upper

119 100

91 61.2 31.6 94.8

134 26.3 12.9 38.7



#84

1,2,4-Trimethylbenzene

Concen: 3.676 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.006 min

Lab File: VY023188.D

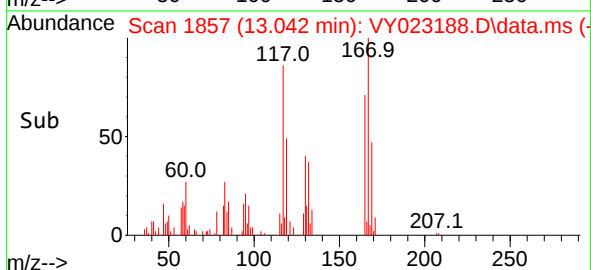
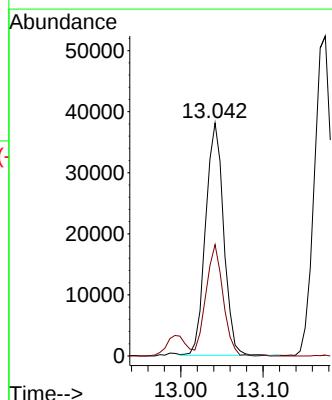
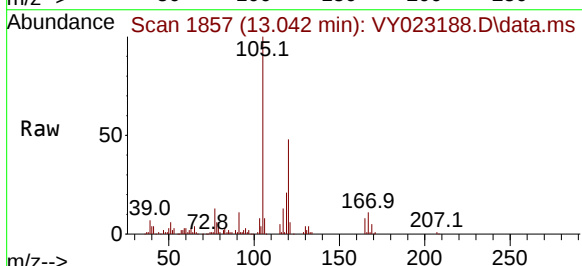
Acq: 22 Aug 2025 13:09

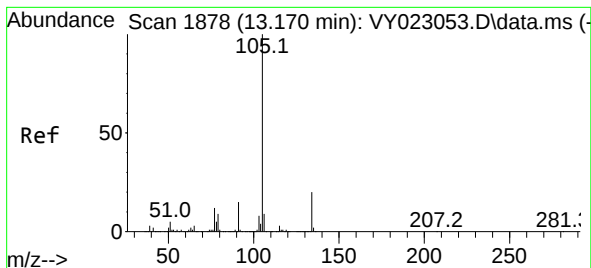
Tgt Ion:105 Resp: 57892

Ion Ratio Lower Upper

105 100

120 45.4 23.0 69.0





#85

sec-Butylbenzene

Concen: 3.767 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

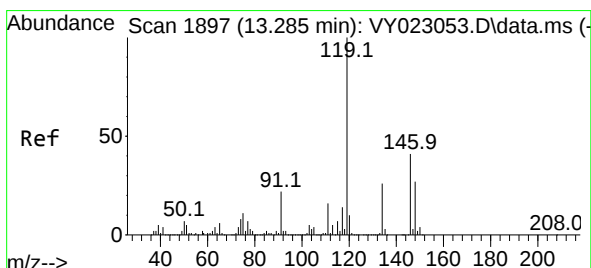
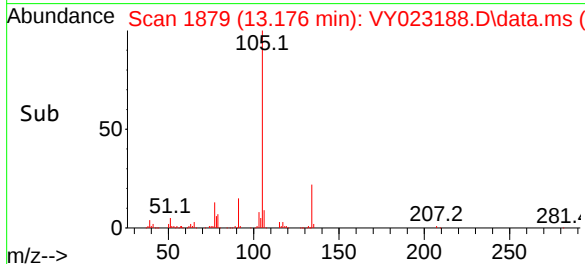
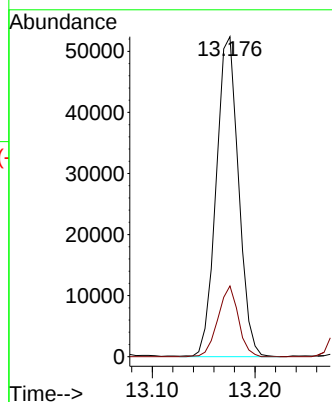
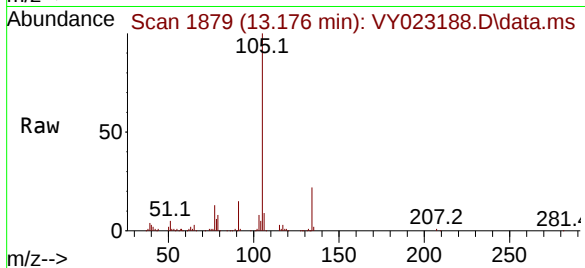
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:105 Resp: 79071

Ion Ratio Lower Upper

105 100

134 20.1 10.2 30.4



#86

p-Isopropyltoluene

Concen: 3.582 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

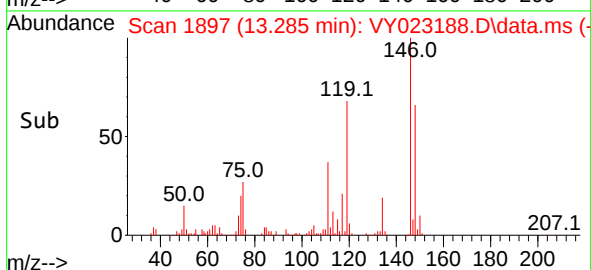
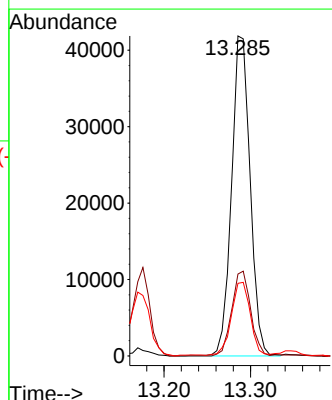
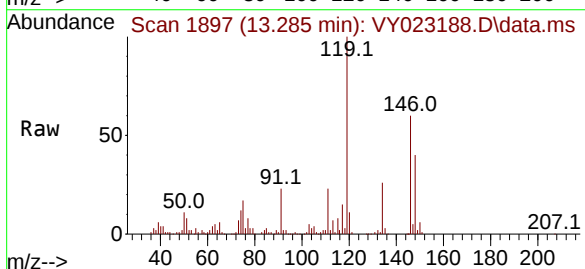
Tgt Ion:119 Resp: 62397

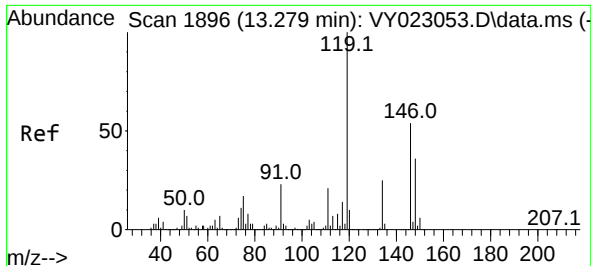
Ion Ratio Lower Upper

119 100

134 27.0 13.2 39.6

91 24.1 11.3 33.8

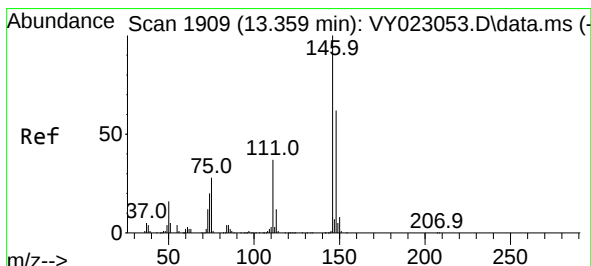
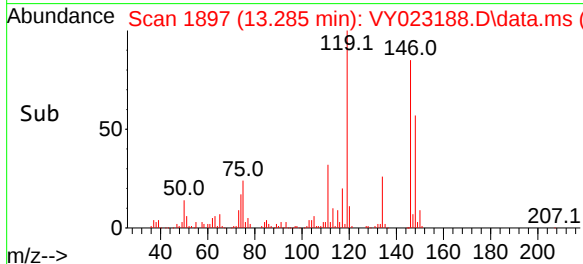
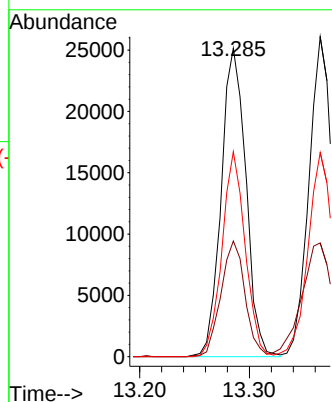
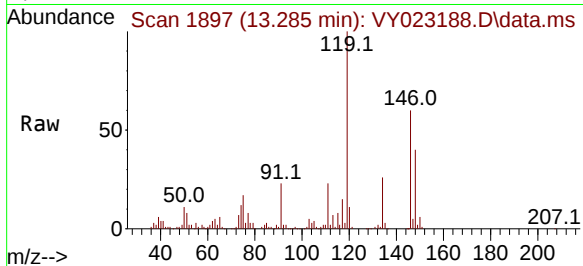




#87
1,3-Dichlorobenzene
Concen: 4.271 ug/l
RT: 13.285 min Scan# 1191
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

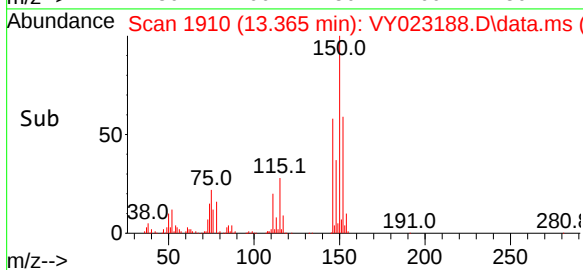
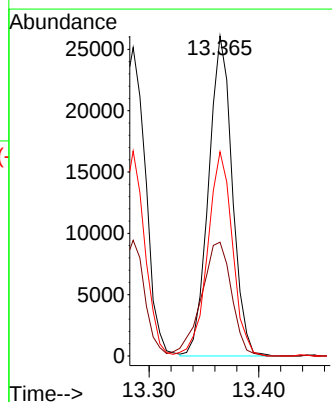
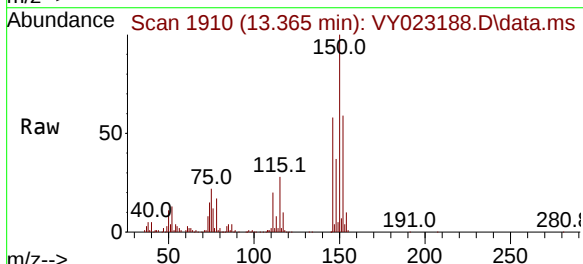
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

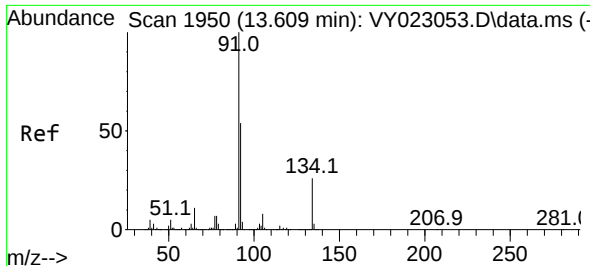
Tgt Ion:146 Resp: 39329
Ion Ratio Lower Upper
146 100
111 36.6 19.6 58.7
148 62.5 32.5 97.5



#88
1,4-Dichlorobenzene
Concen: 4.287 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion:146 Resp: 39163
Ion Ratio Lower Upper
146 100
111 45.4 19.1 57.1
148 66.8 31.6 94.7

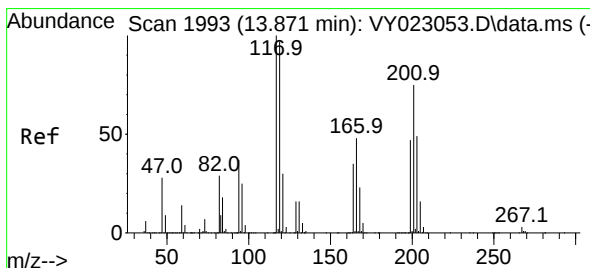
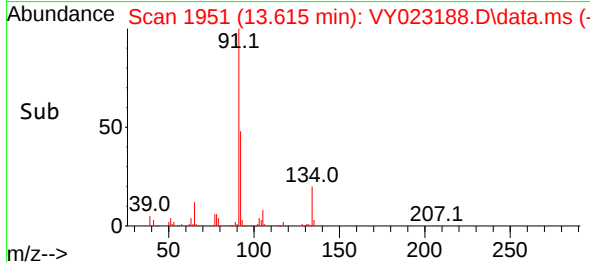
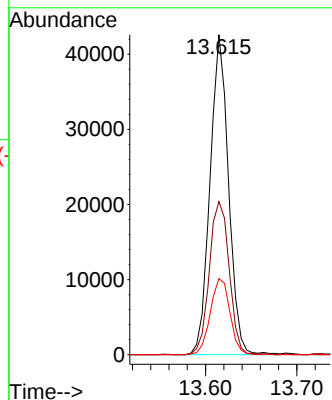
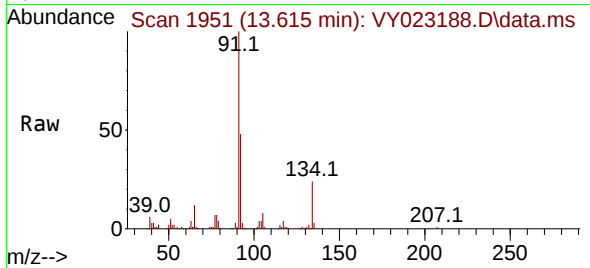




#89
n-Butylbenzene
Concen: 3.741 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

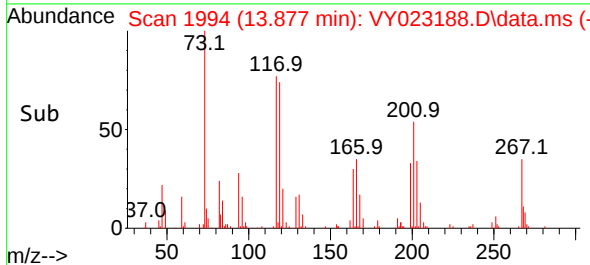
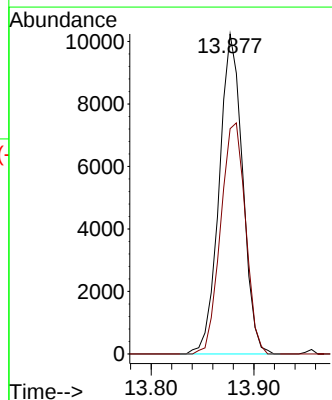
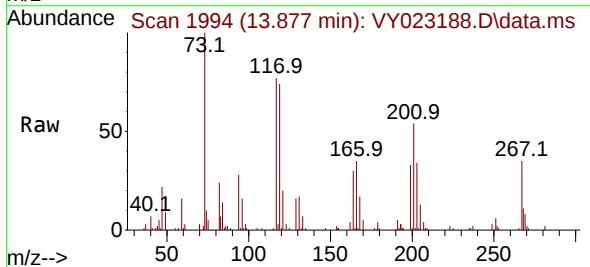
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

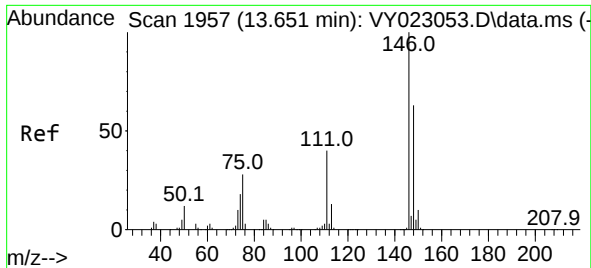
Tgt Ion: 91 Resp: 59858
Ion Ratio Lower Upper
91 100
92 51.4 26.9 80.7
134 25.2 13.2 39.5



#90
Hexachloroethane
Concen: 4.541 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion: 117 Resp: 16195
Ion Ratio Lower Upper
117 100
201 76.4 38.4 115.1

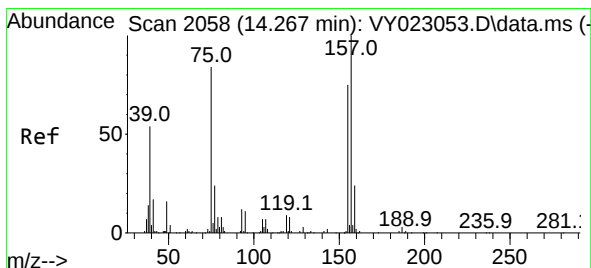
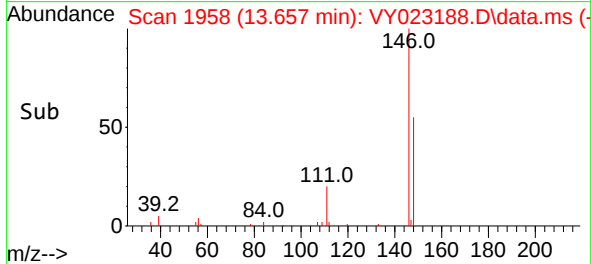
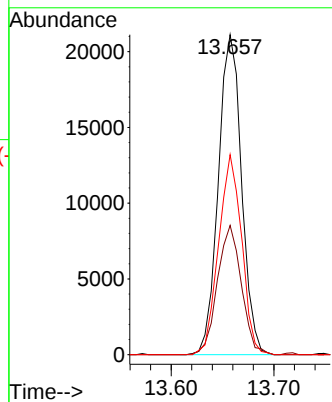
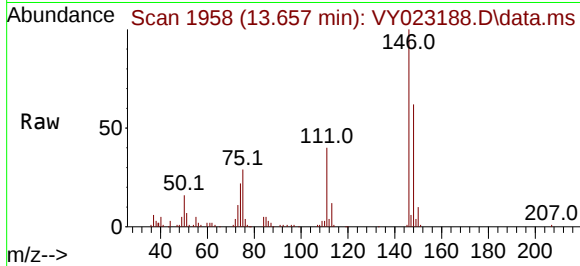




#91
1,2-Dichlorobenzene
Concen: 4.099 ug/l
RT: 13.657 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

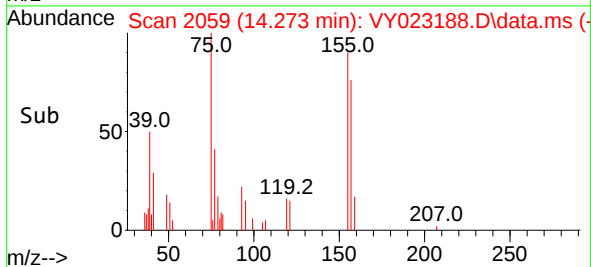
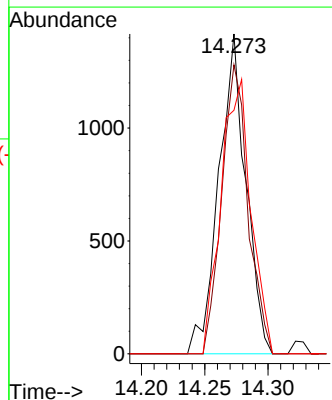
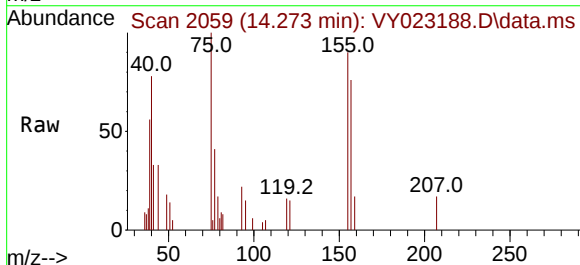
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

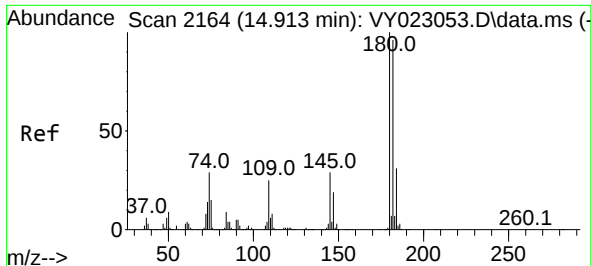
Tgt Ion:146 Resp: 33102
Ion Ratio Lower Upper
146 100
111 41.7 20.3 60.8
148 61.9 32.2 96.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.049 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023188.D
Acq: 22 Aug 2025 13:09

Tgt Ion: 75 Resp: 2107
Ion Ratio Lower Upper
75 100
155 87.9 43.9 131.6
157 94.9 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 3.615 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

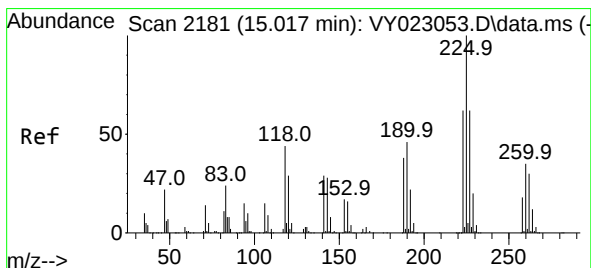
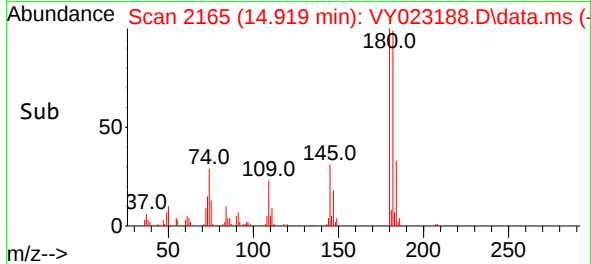
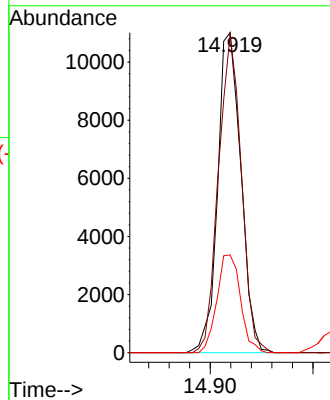
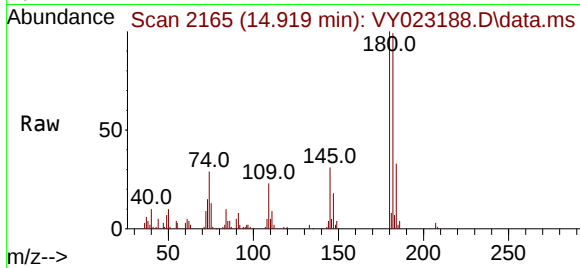
Tgt Ion:180 Resp: 17265

Ion Ratio Lower Upper

180 100

182 97.7 46.8 140.4

145 31.0 14.4 43.4



#94

Hexachlorobutadiene

Concen: 4.260 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.006 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

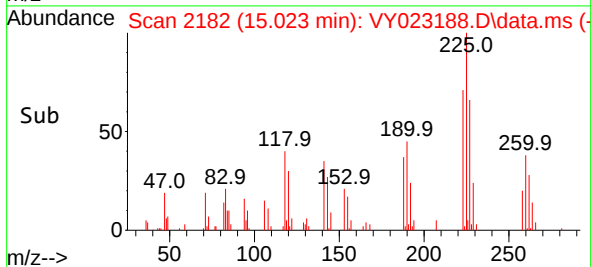
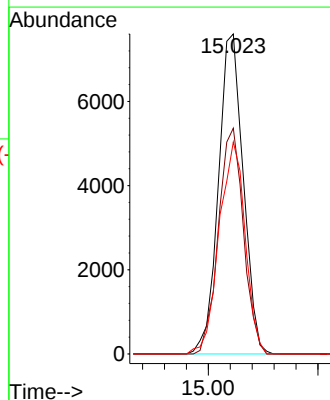
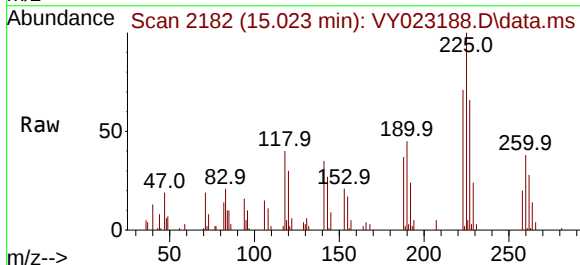
Tgt Ion:225 Resp: 11955

Ion Ratio Lower Upper

225 100

223 71.0 31.3 93.8

227 69.1 31.5 94.5





#95

Naphthalene

Concen: 2.934 ug/l

RT: 15.139 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

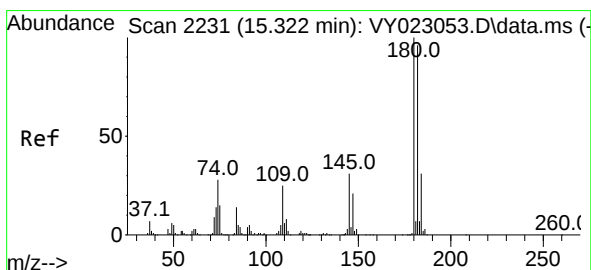
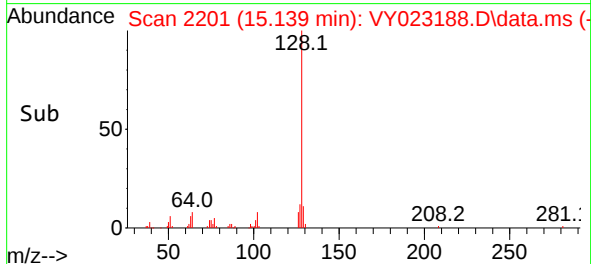
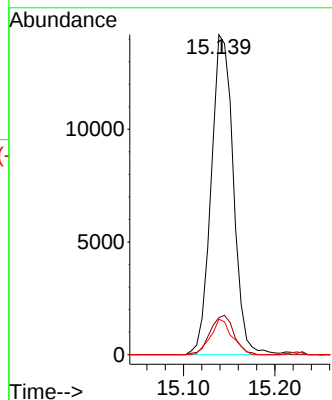
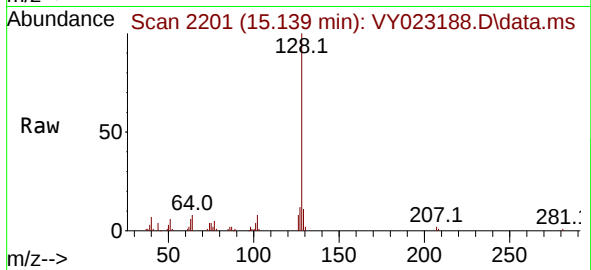
Tgt Ion:128 Resp: 23895

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 10.9 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 3.367 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY023188.D

Acq: 22 Aug 2025 13:09

Tgt Ion:180 Resp: 13855

Ion Ratio Lower Upper

180 100

182 102.5 47.9 143.7

145 34.1 15.9 47.7

