

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082225\
 Data File : VY023187.D
 Acq On : 22 Aug 2025 12:46
 Operator : SY/MD
 Sample : Q2893-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Aug 25 05:14:11 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	442864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	731025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	621124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	283458	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	219463	51.996	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.000%	
35) Dibromofluoromethane	7.634	113	231706	52.971	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.940%	
50) Toluene-d8	10.109	98	855066	50.038	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.080%	
62) 4-Bromofluorobenzene	12.401	95	251079	45.688	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.380%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	9678	2.677	ug/l	89
3) Chloromethane	2.074	50	14872	2.540	ug/l	97
4) Vinyl Chloride	2.202	62	19344	2.673	ug/l	94
5) Bromomethane	2.598	94	18827	3.483	ug/l	98
6) Chloroethane	2.739	64	13801	2.868	ug/l	91
7) Trichlorofluoromethane	3.056	101	24541	2.789	ug/l	100
8) Diethyl Ether	3.458	74	7602	3.265	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	13266	3.055	ug/l	98
10) Methyl Iodide	4.000	142	10756	2.296	ug/l	96
11) Tert butyl alcohol	4.836	59	1510	5.221	ug/l #	71
12) 1,1-Dichloroethene	3.787	96	11524	2.700	ug/l	91
13) Acrolein	3.647	56	559	1.320	ug/l #	60
14) Allyl chloride	4.385	41	15003	2.389	ug/l	96
15) Acrylonitrile	5.061	53	10646	11.247	ug/l	97
16) Acetone	3.866	43	16141	17.652	ug/l	100
17) Carbon Disulfide	4.110	76	33256	2.390	ug/l	97
18) Methyl Acetate	4.385	43	7811	2.870	ug/l #	80
19) Methyl tert-butyl Ether	5.110	73	25682	2.322	ug/l	93
20) Methylene Chloride	4.616	84	50796	8.431	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	12359	2.577	ug/l	90
22) Diisopropyl ether	6.018	45	29424	2.156	ug/l #	79
23) Vinyl Acetate	5.964	43	72263	9.577	ug/l	98
24) 1,1-Dichloroethane	5.915	63	21584	2.587	ug/l	98
25) 2-Butanone	6.896	43	16082	12.931	ug/l	95
26) 2,2-Dichloropropane	6.884	77	18893	2.624	ug/l	97
27) cis-1,2-Dichloroethene	6.884	96	14299	2.579	ug/l	96
28) Bromochloromethane	7.244	49	9453	2.856	ug/l	97
29) Tetrahydrofuran	7.262	42	7660	9.937	ug/l	97
30) Chloroform	7.421	83	22986	2.672	ug/l	94
31) Cyclohexane	7.701	56	26441	3.363	ug/l #	67
32) 1,1,1-Trichloroethane	7.616	97	20526	2.689	ug/l	99
36) 1,1-Dichloropropene	7.829	75	16489	2.536	ug/l	98
37) Ethyl Acetate	6.994	43	5219	1.911	ug/l #	82
38) Carbon Tetrachloride	7.817	117	18422	2.609	ug/l	99
39) Methylcyclohexane	9.103	83	20780	2.427	ug/l	91
40) Benzene	8.079	78	49950	2.493	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	2459	1.560	ug/l #	78
42) 1,2-Dichloroethane	8.158	62	12773	2.451	ug/l	99
43) Isopropyl Acetate	8.195	43	10974	1.988	ug/l #	91
44) Trichloroethene	8.872	130	13787	2.663	ug/l	85
45) 1,2-Dichloropropane	9.140	63	11549	2.505	ug/l #	88
46) Dibromomethane	9.231	93	6888	2.603	ug/l	95
47) Bromodichloromethane	9.420	83	17503	2.571	ug/l	97
48) Methyl methacrylate	9.225	41	5737	2.172	ug/l	94
49) 1,4-Dioxane	9.237	88	1182	38.097	ug/l #	64
51) 4-Methyl-2-Pentanone	9.999	43	27335	9.601	ug/l	97
52) Toluene	10.170	92	31840	2.502	ug/l	96
53) t-1,3-Dichloropropene	10.396	75	13548	2.197	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	16633	2.281	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	8625	2.436	ug/l	94
56) Ethyl methacrylate	10.438	69	8509	1.878	ug/l #	92
57) 1,3-Dichloropropane	10.719	76	14367	2.393	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	18244	8.537	ug/l	99
59) 2-Hexanone	10.761	43	19899	10.264	ug/l	97
60) Dibromochloromethane	10.908	129	11576	2.478	ug/l	96
61) 1,2-Dibromoethane	11.011	107	7807	2.346	ug/l	97
64) Tetrachloroethene	10.646	164	16215	2.924	ug/l	95
65) Chlorobenzene	11.438	112	35637	2.660	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	11829	2.601	ug/l	98
67) Ethyl Benzene	11.517	91	55184	2.393	ug/l	100
68) m/p-Xylenes	11.627	106	40070	4.450	ug/l	99
69) o-Xylene	11.950	106	19624	2.327	ug/l	96
70) Styrene	11.969	104	29818	2.162	ug/l	99
71) Bromoform	12.133	173	6314	2.376	ug/l #	97
73) Isopropylbenzene	12.255	105	47634	2.381	ug/l	97
74) N-amyl acetate	12.072	43	8401	1.980	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	8938	2.617	ug/l	95
76) 1,2,3-Trichloropropane	12.560	75	11888	4.346	ug/l #	100
77) Bromobenzene	12.529	156	13907	2.914	ug/l	97
78) n-propylbenzene	12.590	91	62006	2.603	ug/l	98
79) 2-Chlorotoluene	12.676	91	36805	2.697	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	38201	2.363	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.401	75	127585	112.895	ug/l #	14
82) 4-Chlorotoluene	12.773	91	37900	2.677	ug/l	100
83) tert-Butylbenzene	12.993	119	35759	2.449	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	37420	2.325	ug/l	99
85) sec-Butylbenzene	13.176	105	53682	2.502	ug/l	100
86) p-Isopropyltoluene	13.292	119	41323	2.321	ug/l	97
87) 1,3-Dichlorobenzene	13.285	146	25697	2.730	ug/l	96
88) 1,4-Dichlorobenzene	13.365	146	28293	3.030	ug/l	92
89) n-Butylbenzene	13.615	91	39810	2.434	ug/l	98
90) Hexachloroethane	13.877	117	10647	2.921	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	23464	2.843	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.273	75	1361	2.559	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	13449	2.755	ug/l	97
94) Hexachlorobutadiene	15.023	225	8765	3.056	ug/l	96
95) Naphthalene	15.145	128	19538	2.347	ug/l	96
96) 1,2,3-Trichlorobenzene	15.328	180	11883	2.825	ug/l	98

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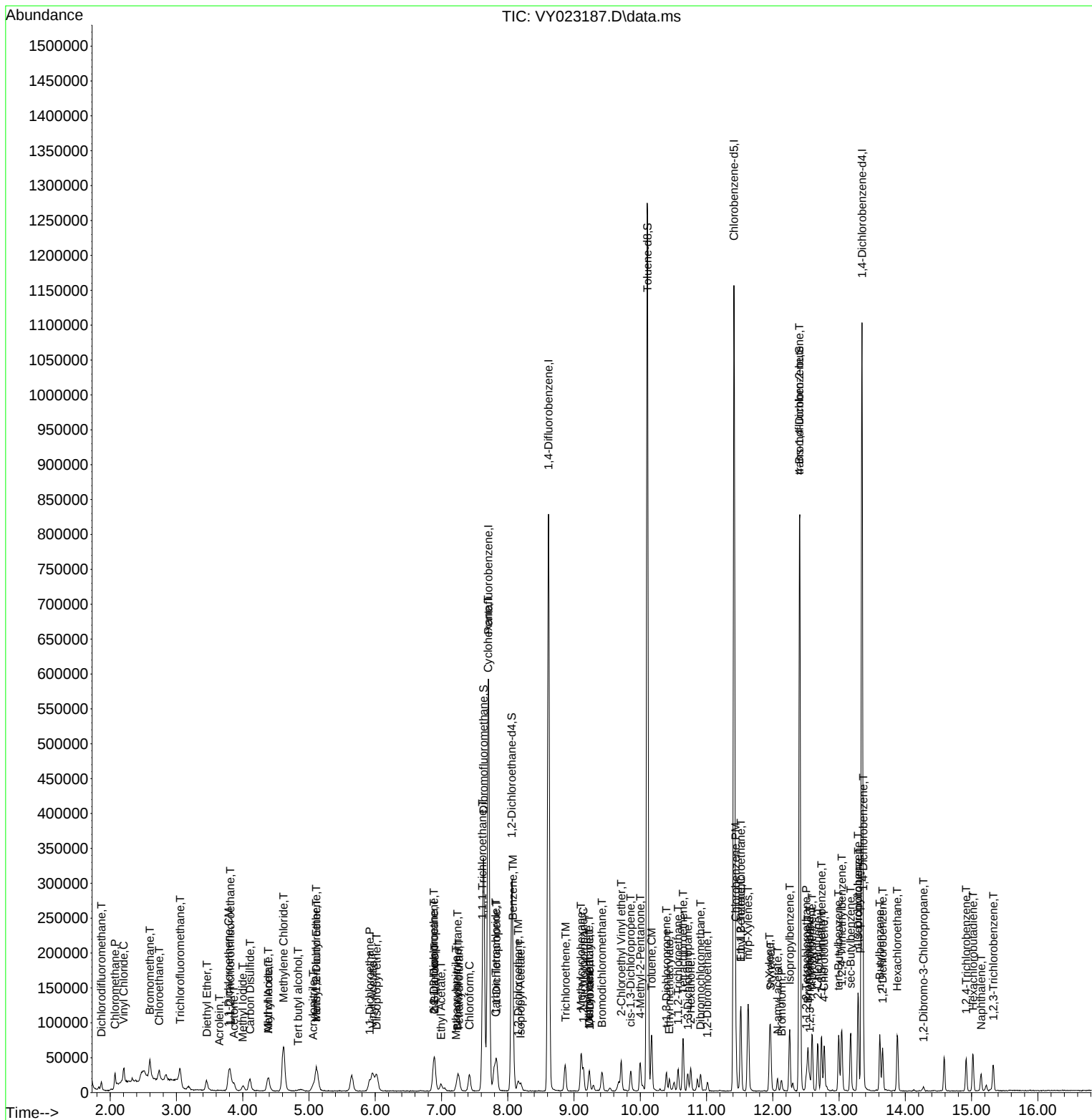
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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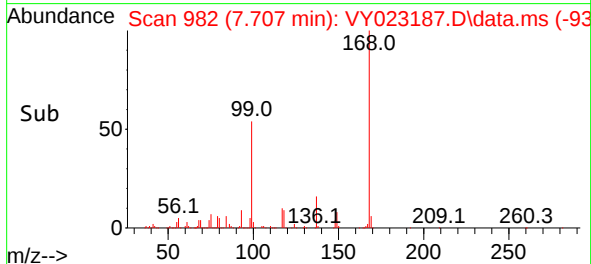
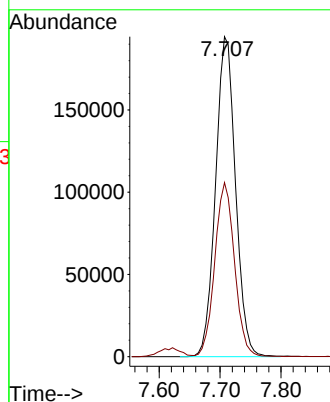
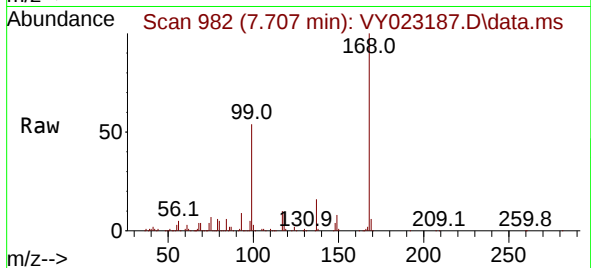




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023187.D
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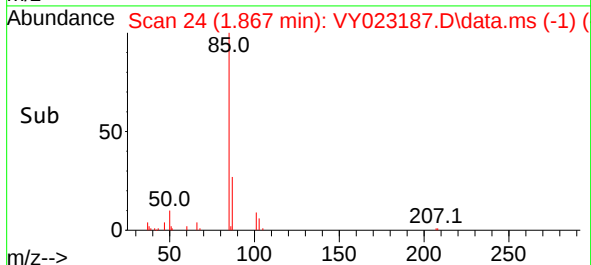
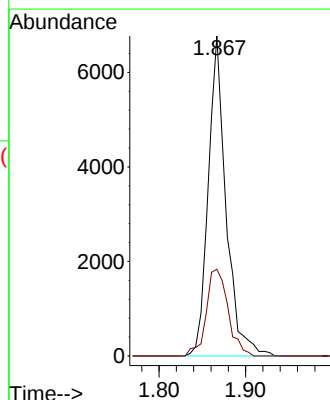
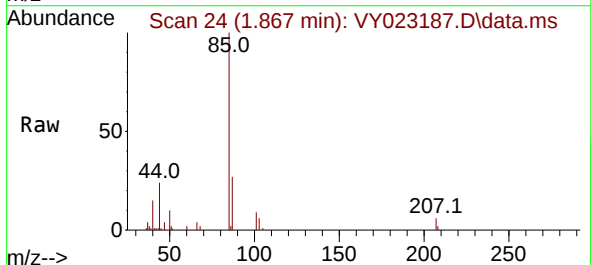
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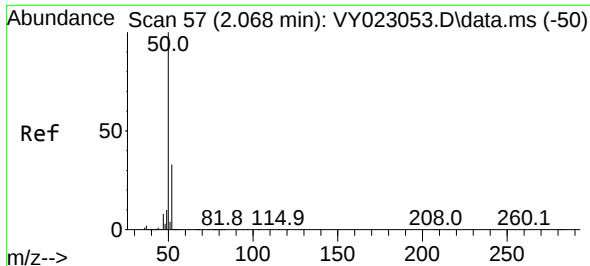
Tgt Ion:168 Resp: 442864
Ion Ratio Lower Upper
168 100
99 54.3 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 2.677 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

Tgt Ion: 85 Resp: 9678
Ion Ratio Lower Upper
85 100
87 27.1 16.6 49.8

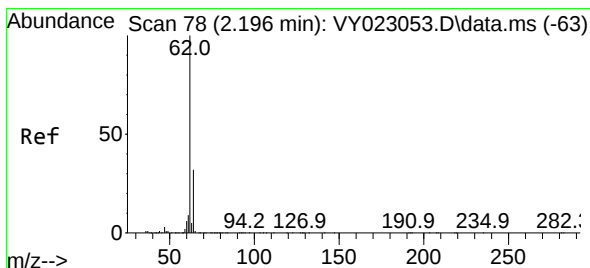
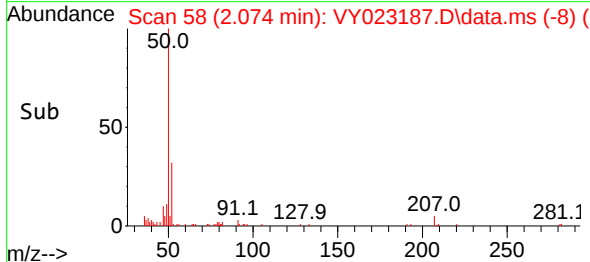
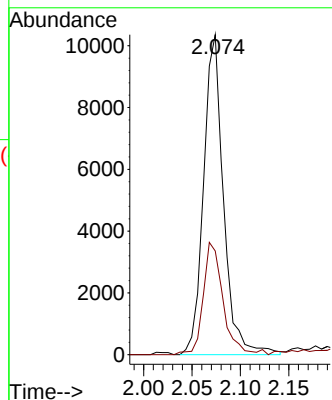
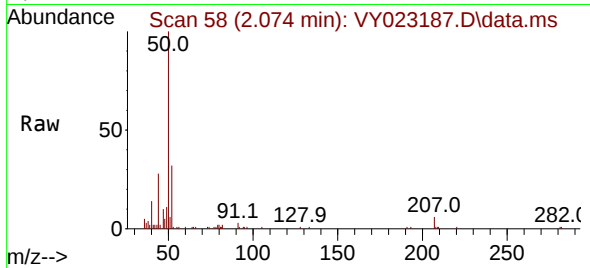




#3
Chloromethane
Concen: 2.540 ug/l
RT: 2.074 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

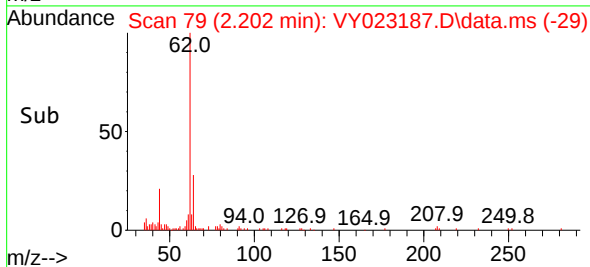
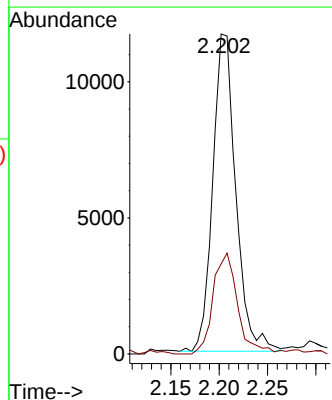
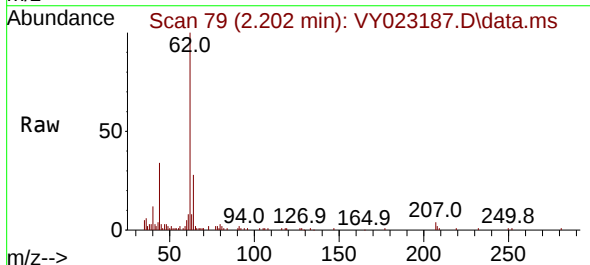
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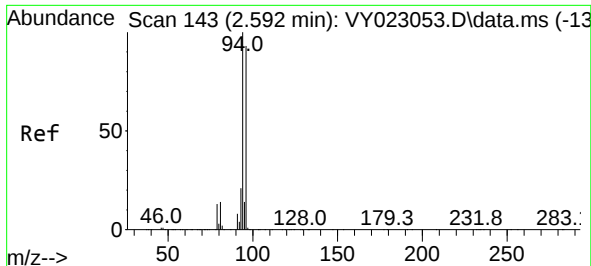
Tgt Ion: 50 Resp: 14872
Ion Ratio Lower Upper
50 100
52 31.6 26.7 40.1



#4
Vinyl Chloride
Concen: 2.673 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

Tgt Ion: 62 Resp: 19344
Ion Ratio Lower Upper
62 100
64 28.4 25.4 38.0

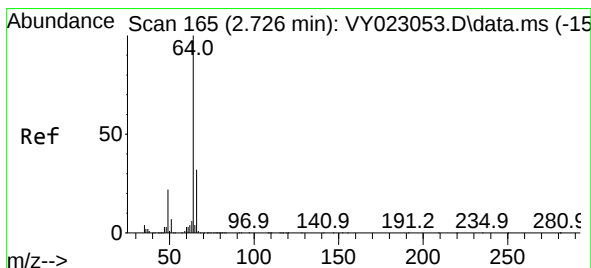
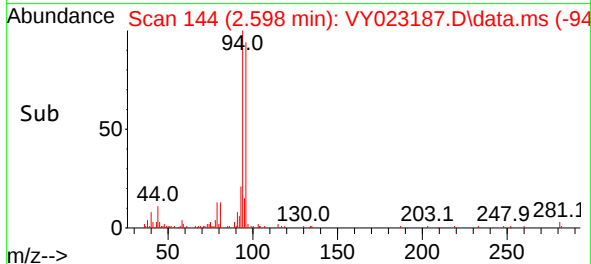
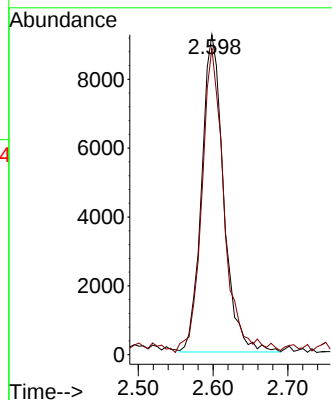
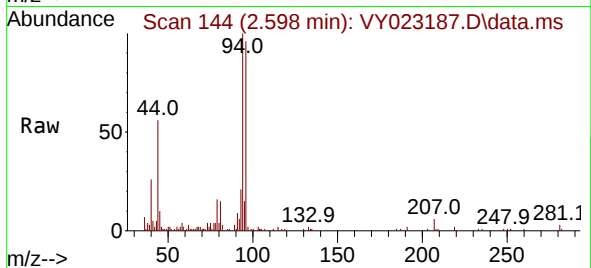




#5
Bromomethane
Concen: 3.483 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.006 min
Lab File: VY023187.D
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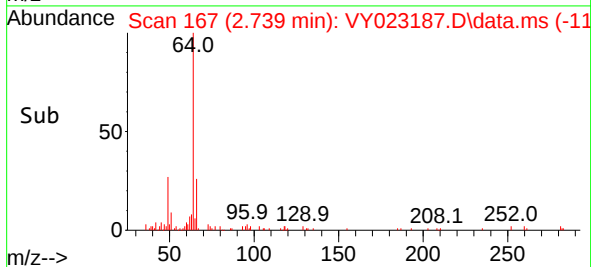
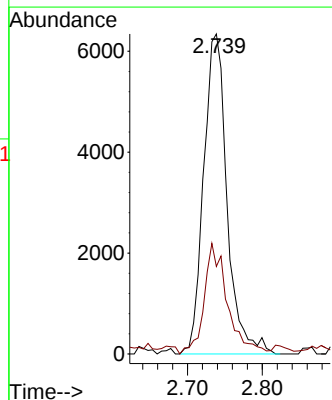
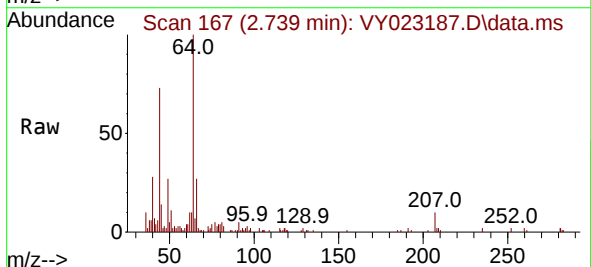
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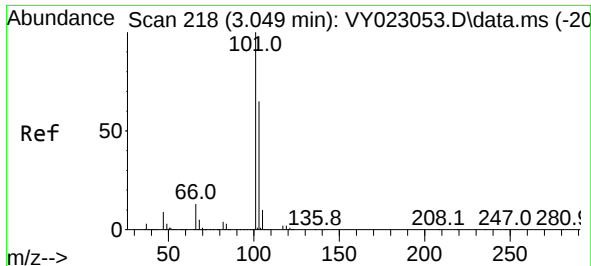
Tgt Ion: 94 Resp: 18827
Ion Ratio Lower Upper
94 100
96 95.3 74.6 112.0



#6
Chloroethane
Concen: 2.868 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.012 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

Tgt Ion: 64 Resp: 13801
Ion Ratio Lower Upper
64 100
66 27.3 25.8 38.6

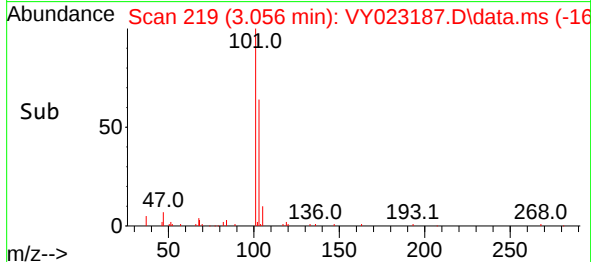
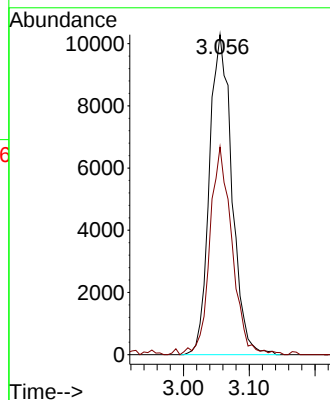
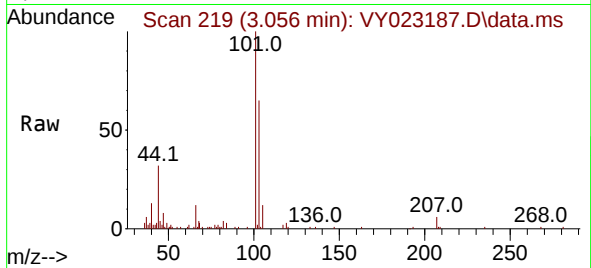




#7
Trichlorofluoromethane
Concen: 2.789 ug/l
RT: 3.056 min Scan# 218
Delta R.T. 0.006 min
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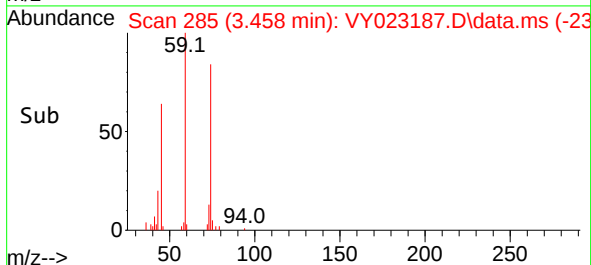
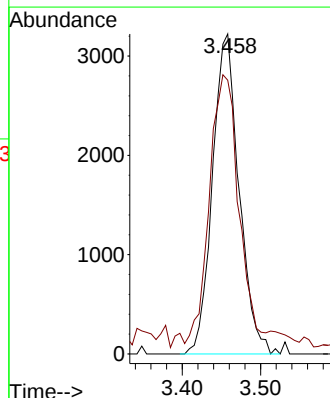
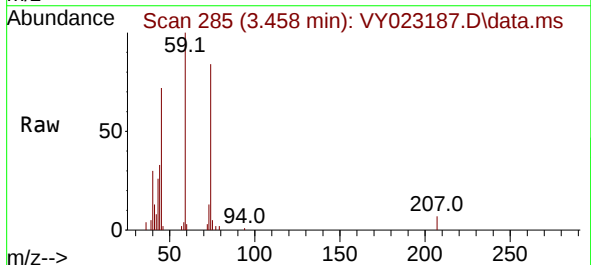
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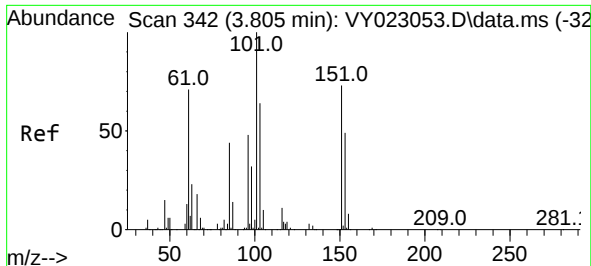
Tgt Ion:101 Resp: 24541
Ion Ratio Lower Upper
101 100
103 64.9 51.9 77.9



#8
Diethyl Ether
Concen: 3.265 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.012 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

Tgt Ion: 74 Resp: 7602
Ion Ratio Lower Upper
74 100
45 91.8 44.4 133.2

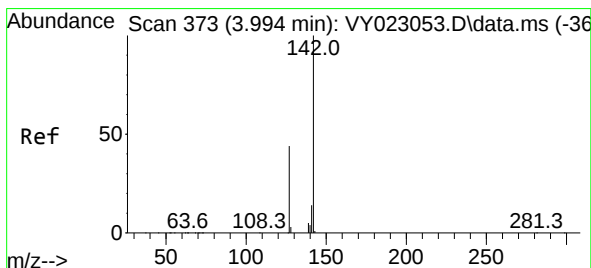
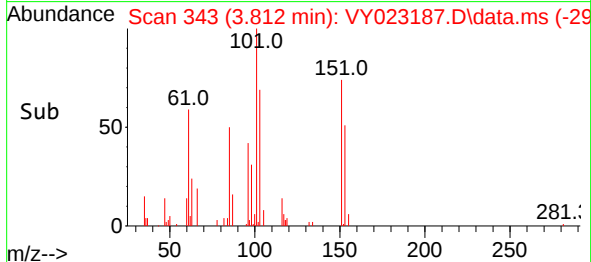
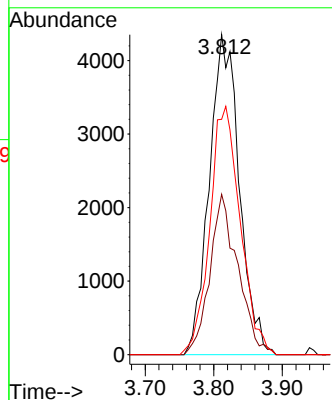
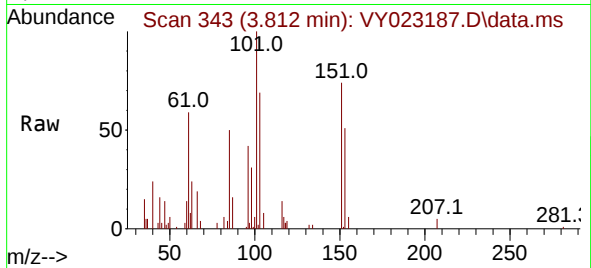




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.055 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.006 min
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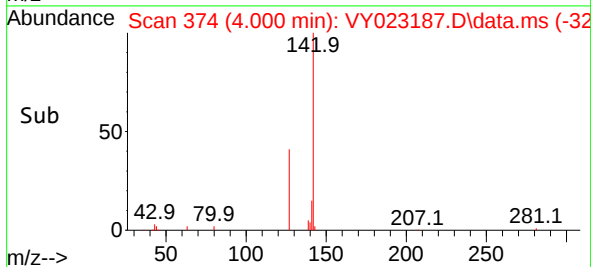
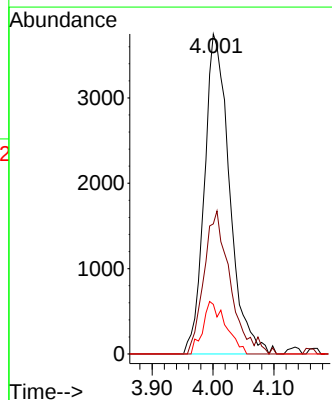
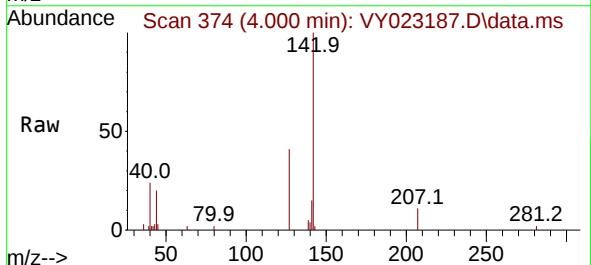
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:101 Resp: 13266
Ion Ratio Lower Upper
101 100
85 46.8 36.3 54.5
151 78.6 61.5 92.3



#10
Methyl Iodide
Concen: 2.296 ug/l
RT: 4.000 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

Tgt Ion:142 Resp: 10756
Ion Ratio Lower Upper
142 100
127 46.6 34.9 52.3
141 14.9 11.3 16.9





#11

Tert butyl alcohol

Concen: 5.221 ug/l

RT: 4.836 min Scan# 515

Delta R.T. -0.024 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Instrument :

MSVOA_Y

ClientSampleId :

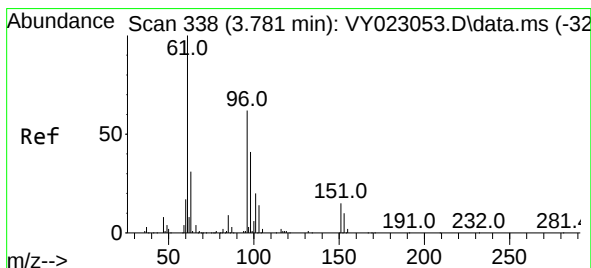
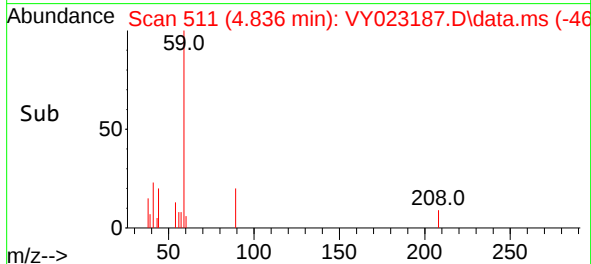
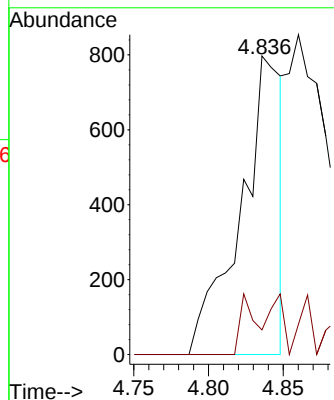
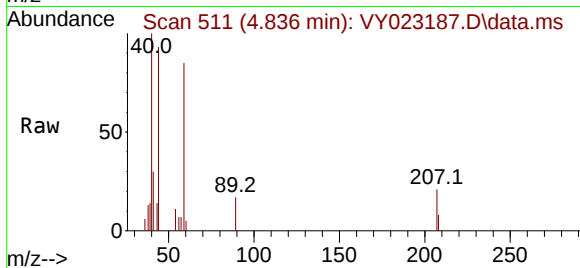
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 59 Resp: 1510

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



#12

1,1-Dichloroethene

Concen: 2.700 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.006 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

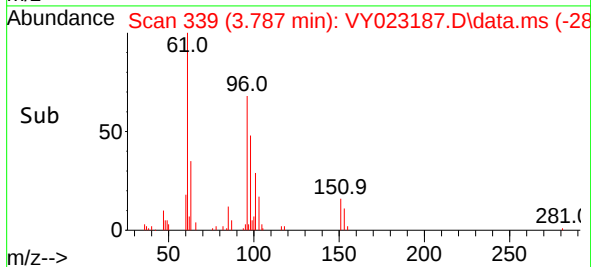
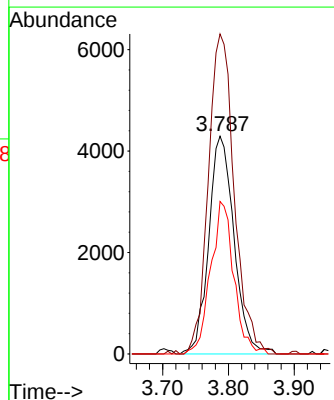
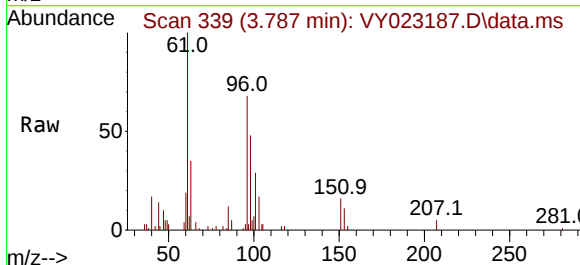
Tgt Ion: 96 Resp: 11524

Ion Ratio Lower Upper

96 100

61 147.0 129.4 194.2

98 70.0 52.8 79.2





#13

Acrolein

Concen: 1.320 ug/l

RT: 3.647 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY023187.D

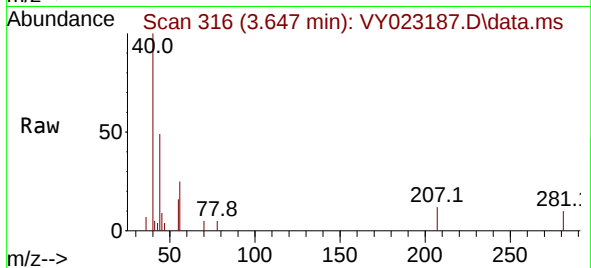
Acq: 22 Aug 2025 12:46

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

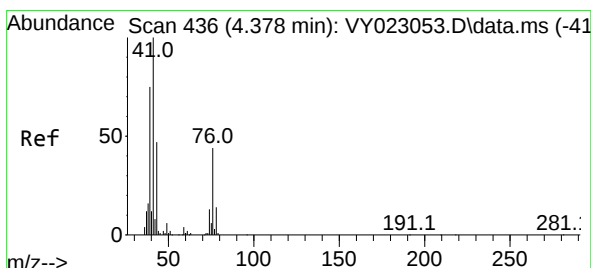
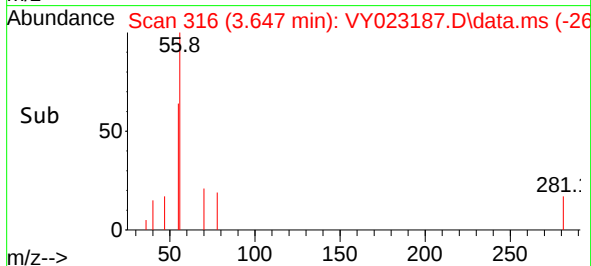
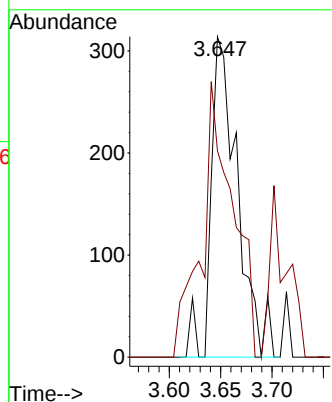


Tgt Ion: 56 Resp: 559

Ion Ratio Lower Upper

56 100

55 102.0 55.2 82.8#



#14

Allyl chloride

Concen: 2.389 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

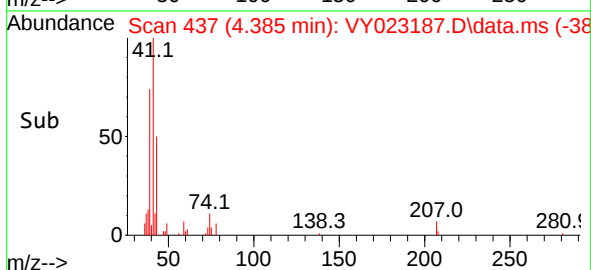
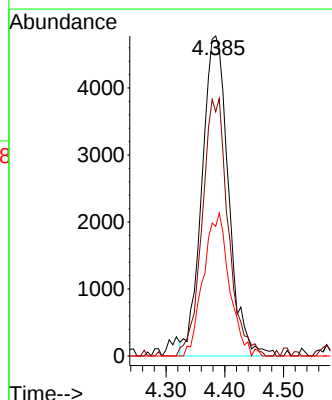
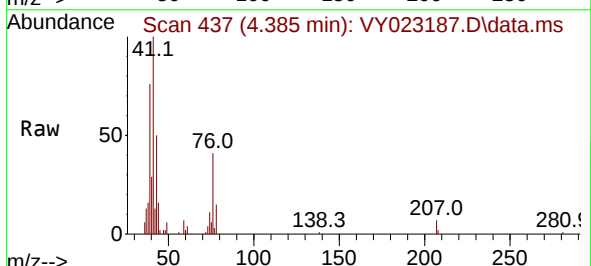
Tgt Ion: 41 Resp: 15003

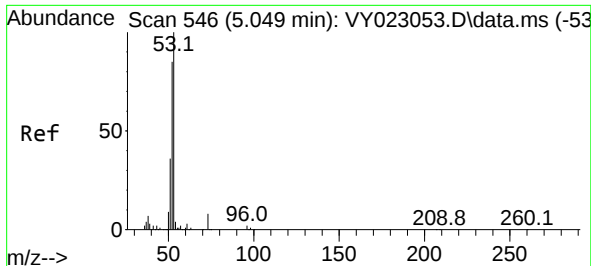
Ion Ratio Lower Upper

41 100

39 78.7 59.8 89.6

76 43.7 33.7 50.5

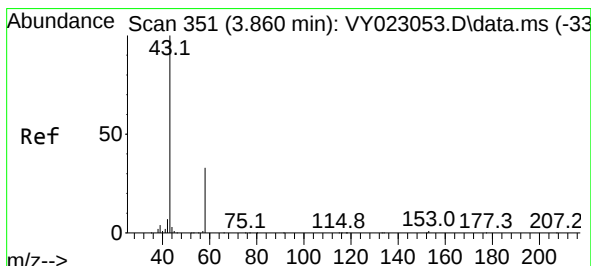
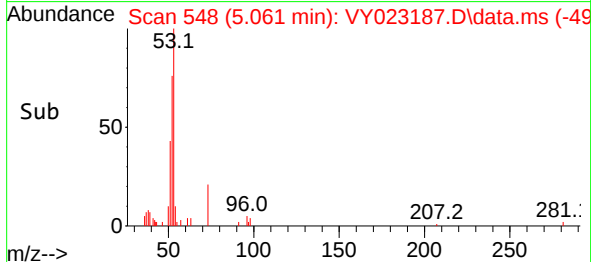
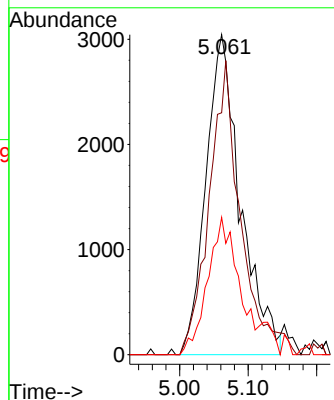
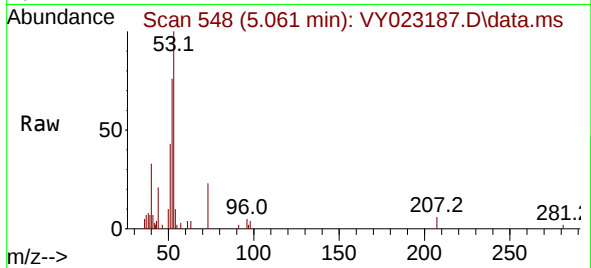




#15
Acrylonitrile
Concen: 11.247 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

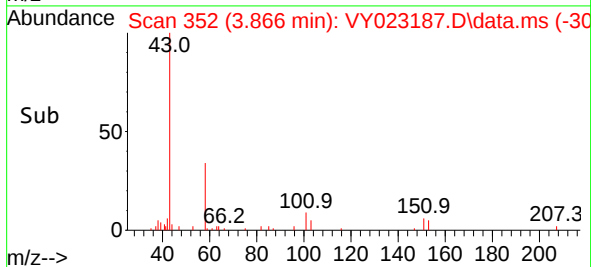
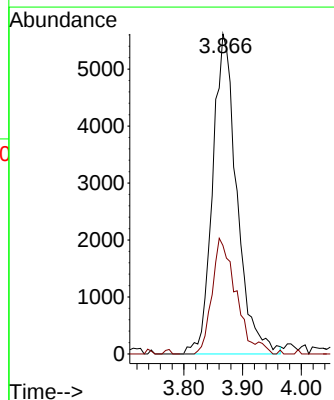
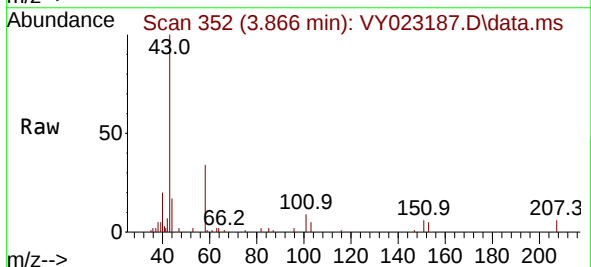
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 53 Resp: 10646
Ion Ratio Lower Upper
53 100
52 83.5 65.3 97.9
51 39.1 29.5 44.3



#16
Acetone
Concen: 17.652 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

Tgt Ion: 43 Resp: 16141
Ion Ratio Lower Upper
43 100
58 33.9 27.1 40.7

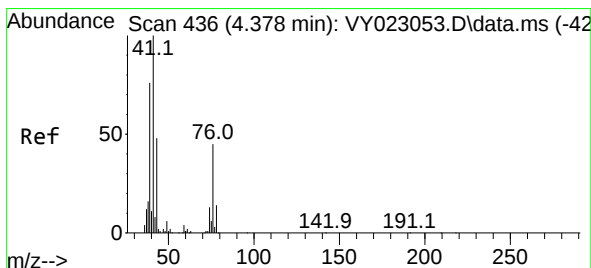
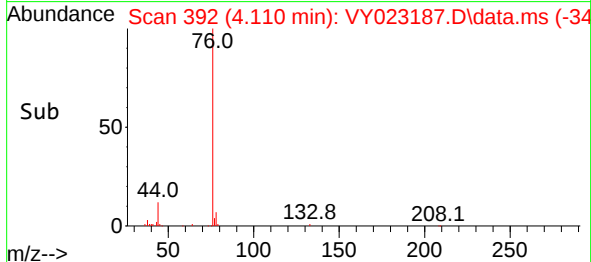
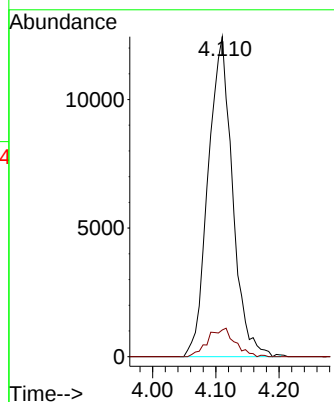
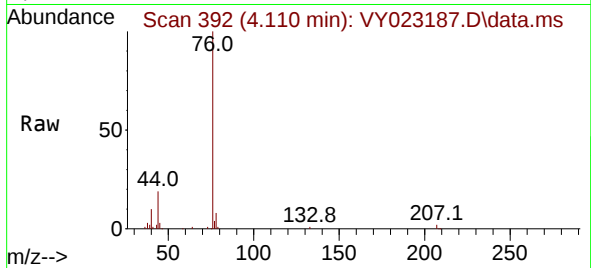




#17
Carbon Disulfide
Concen: 2.390 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

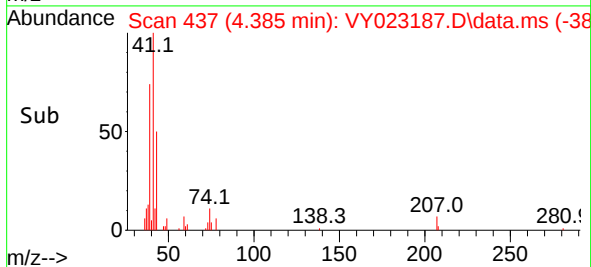
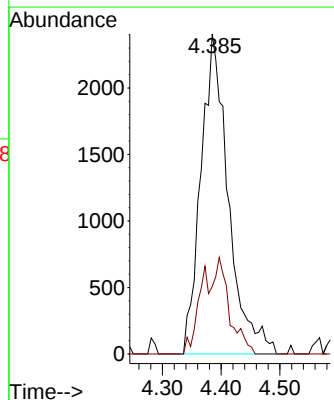
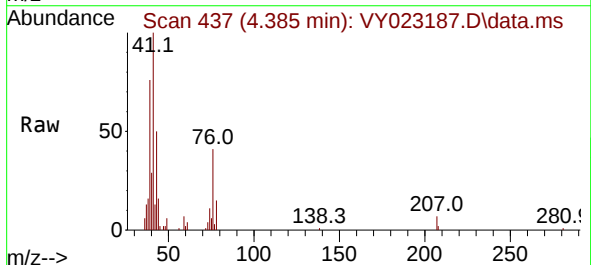
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

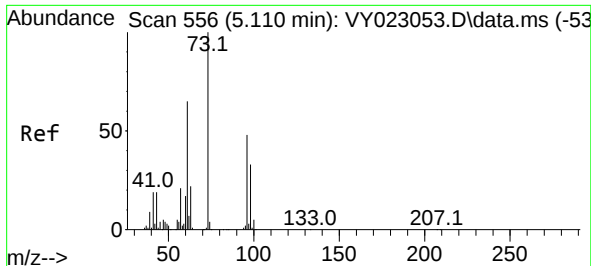
Tgt Ion: 76 Resp: 33256
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.2



#18
Methyl Acetate
Concen: 2.870 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

Tgt Ion: 43 Resp: 7811
Ion Ratio Lower Upper
43 100
74 16.1 21.2 31.8#





#19

Methyl tert-butyl Ether

Concen: 2.322 ug/l

RT: 5.110 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Instrument :

MSVOA_Y

ClientSampleId :

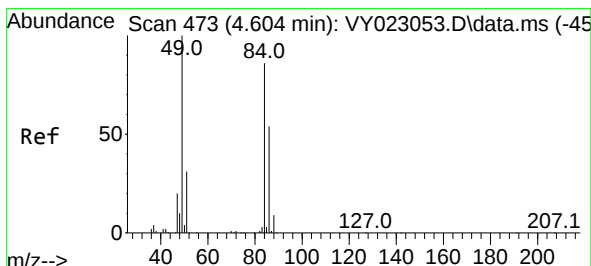
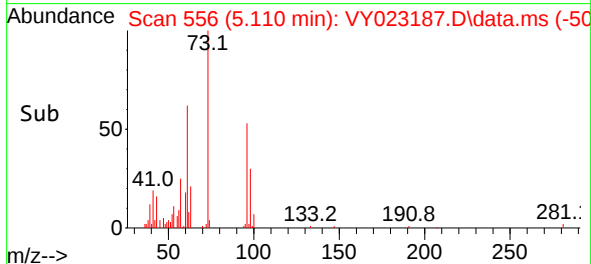
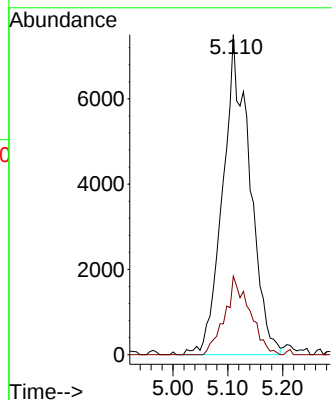
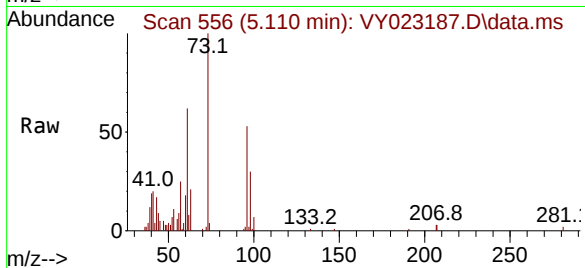
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 73 Resp: 25682

Ion Ratio Lower Upper

73 100

57 24.5 17.1 25.7



#20

Methylene Chloride

Concen: 8.431 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.012 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Tgt Ion: 84 Resp: 50796

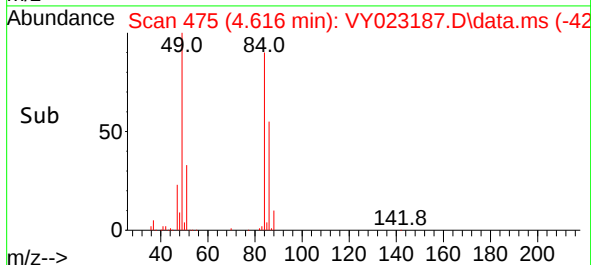
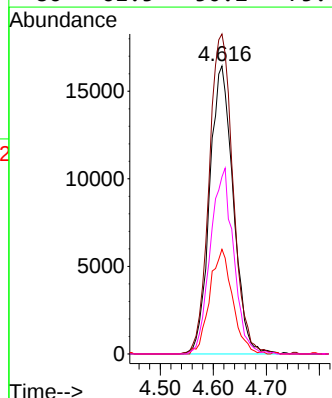
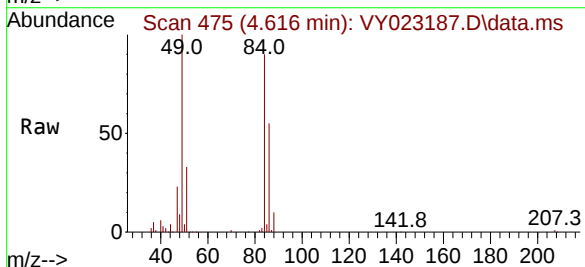
Ion Ratio Lower Upper

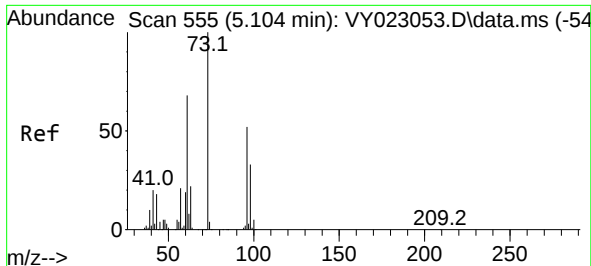
84 100

49 111.1 93.0 139.6

51 36.3 29.0 43.4

86 61.5 50.2 75.4

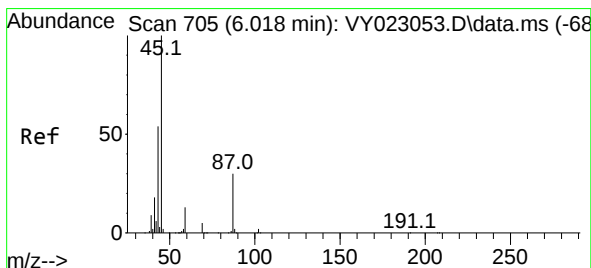
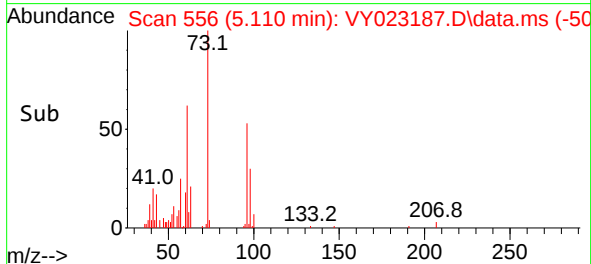
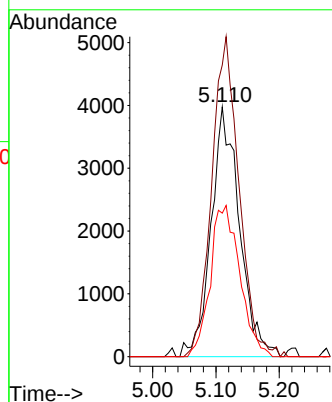
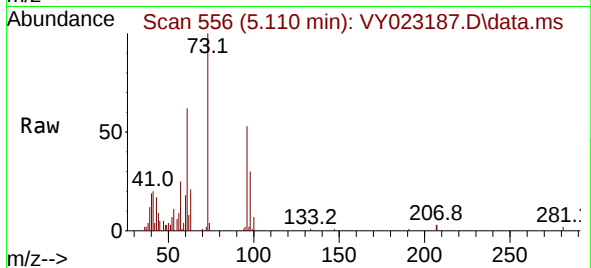




#21
trans-1,2-Dichloroethene
Concen: 2.577 ug/l
RT: 5.110 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

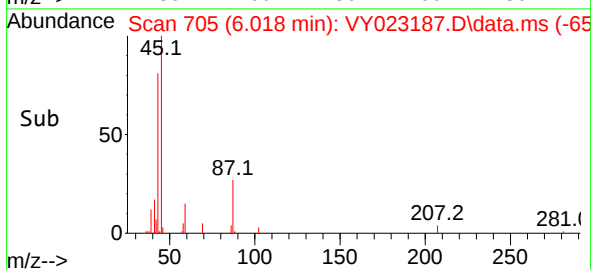
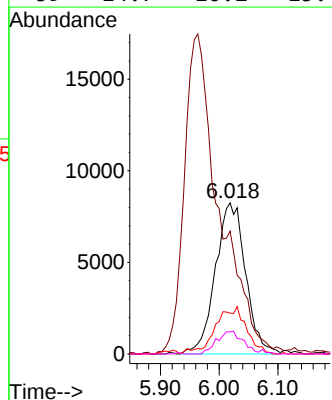
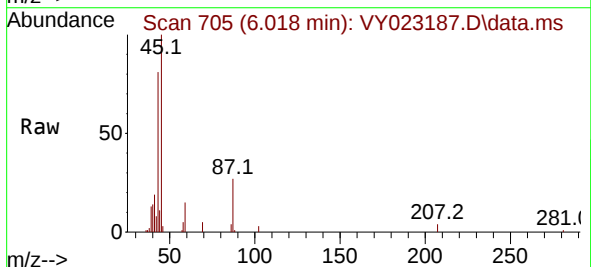
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

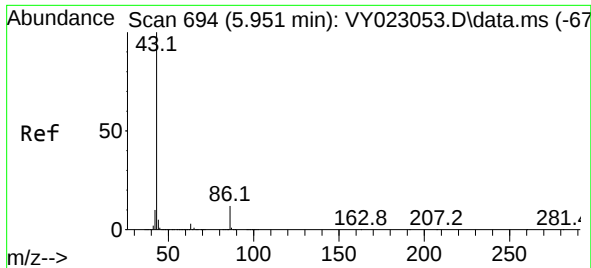
Tgt Ion: 96 Resp: 12359
Ion Ratio Lower Upper
96 100
61 116.8 104.8 157.2
98 57.5 50.1 75.1



#22
Diisopropyl ether
Concen: 2.156 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

Tgt Ion: 45 Resp: 29424
Ion Ratio Lower Upper
45 100
43 77.6 43.4 65.0#
87 27.0 24.4 36.6
59 14.7 10.2 15.4

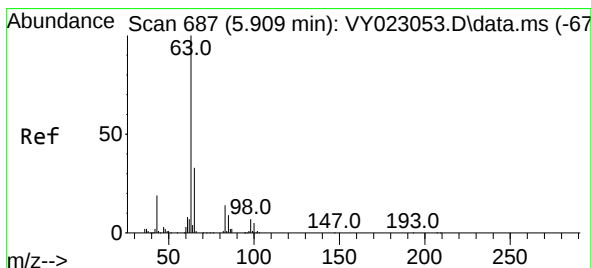
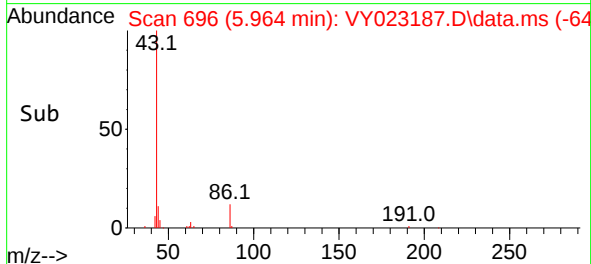
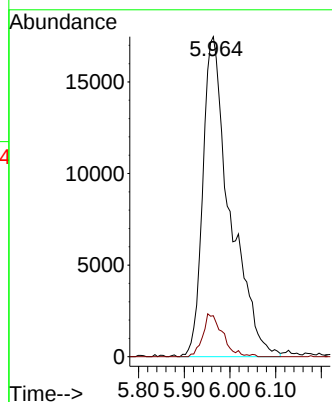
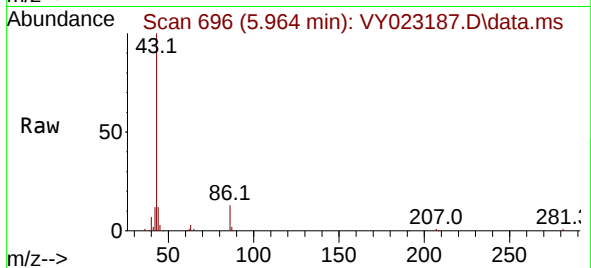




#23
 Vinyl Acetate
 Concen: 9.577 ug/l
 RT: 5.964 min Scan# 694
 Delta R.T. 0.012 min
 Lab File: VY023187.D
 Acq: 22 Aug 2025 12:46

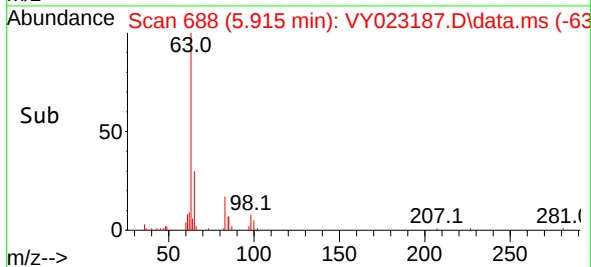
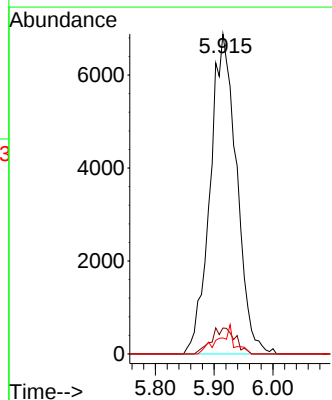
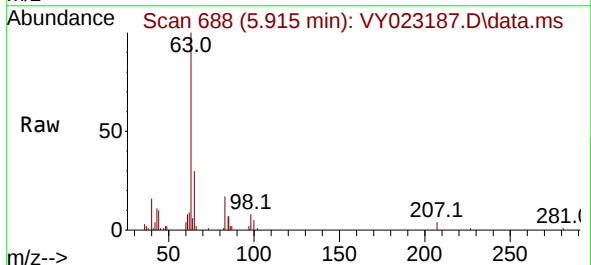
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

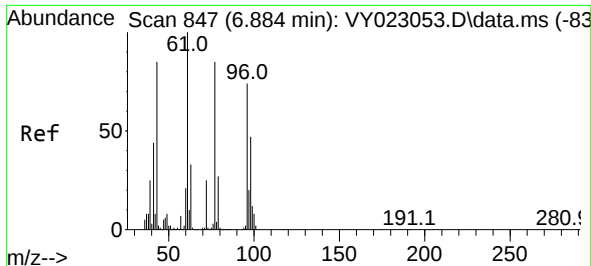
Tgt Ion: 43 Resp: 72263
 Ion Ratio Lower Upper
 43 100
 86 12.8 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 2.587 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.006 min
 Lab File: VY023187.D
 Acq: 22 Aug 2025 12:46

Tgt Ion: 63 Resp: 21584
 Ion Ratio Lower Upper
 63 100
 98 8.1 3.5 10.6
 100 5.0 2.4 7.1





#25

2-Butanone

Concen: 12.931 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Instrument :

MSVOA_Y

ClientSampleId :

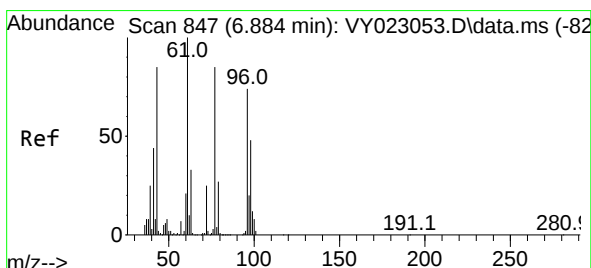
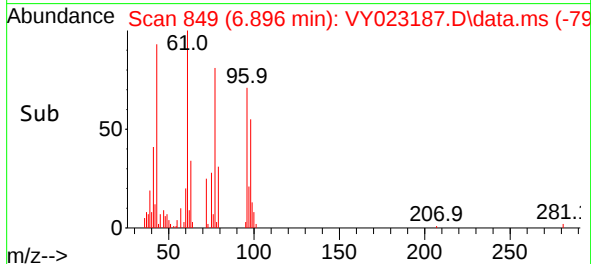
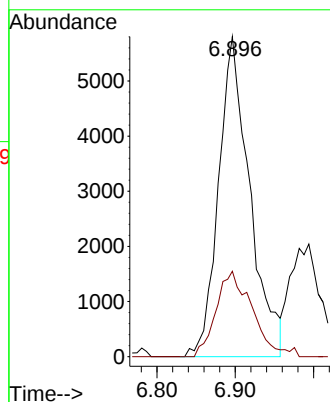
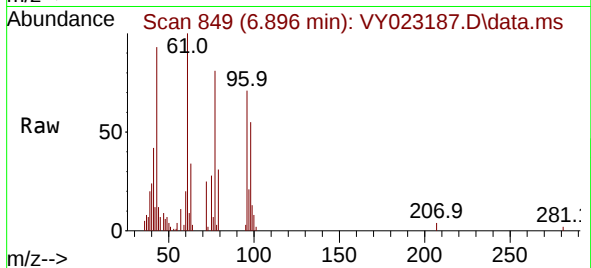
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 43 Resp: 16082

Ion Ratio Lower Upper

43 100

72 26.7 23.5 35.3



#26

2,2-Dichloropropane

Concen: 2.624 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023187.D

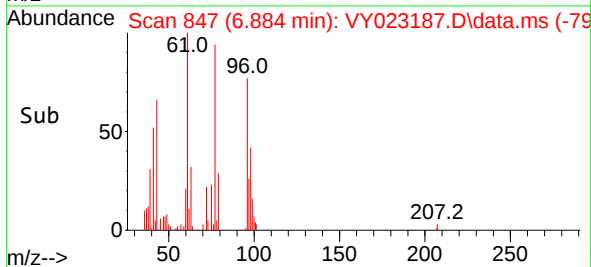
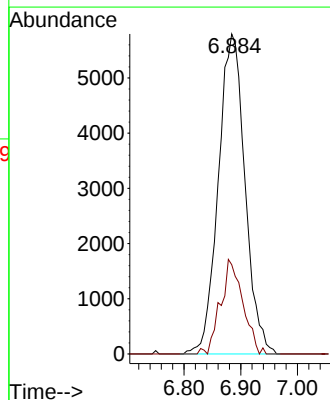
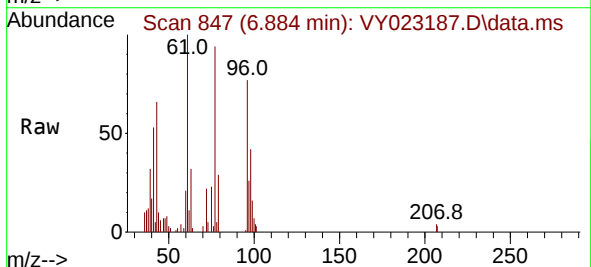
Acq: 22 Aug 2025 12:46

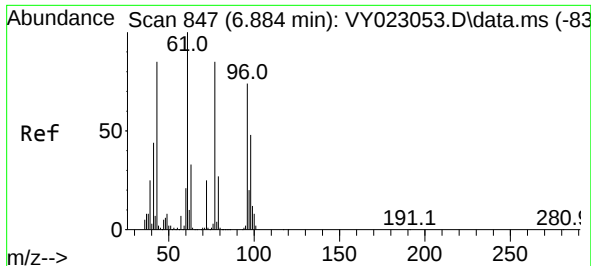
Tgt Ion: 77 Resp: 18893

Ion Ratio Lower Upper

77 100

97 24.6 11.6 34.8

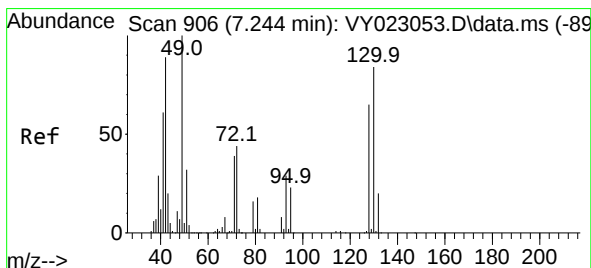
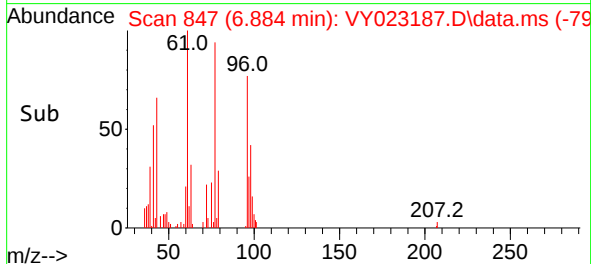
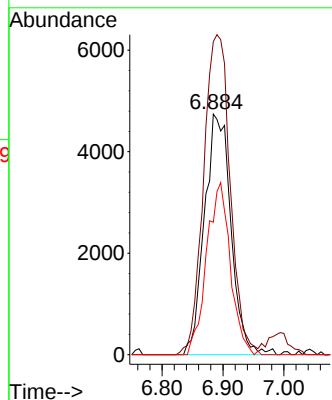
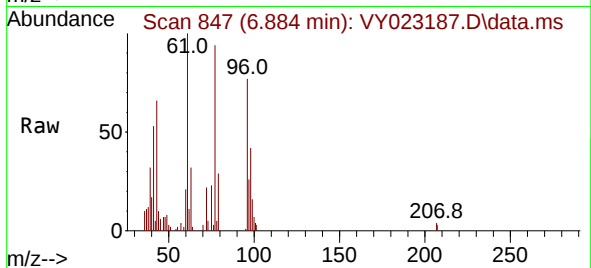




#27
 cis-1,2-Dichloroethene
 Concen: 2.579 ug/l
 RT: 6.884 min Scan# 847
 Delta R.T. 0.000 min
 Lab File: VY023187.D
 Acq: 22 Aug 2025 12:46

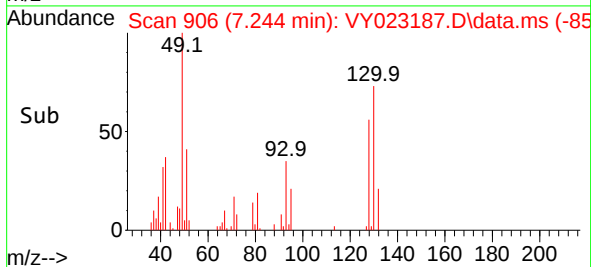
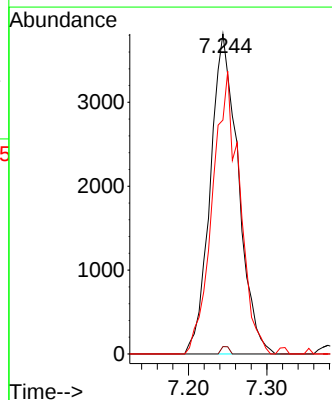
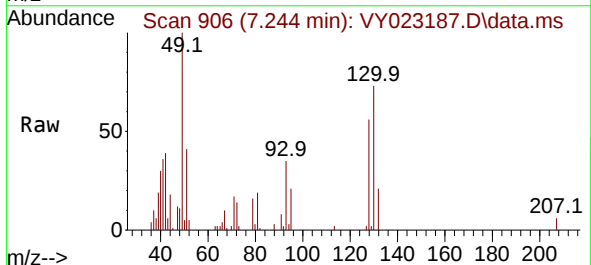
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 96	Resp: 14299
Ion Ratio	Lower Upper
96 100	
61 133.7	0.0 278.6
98 64.1	0.0 130.4



#28
 Bromochloromethane
 Concen: 2.856 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. 0.000 min
 Lab File: VY023187.D
 Acq: 22 Aug 2025 12:46

Tgt Ion: 49	Resp: 9453
Ion Ratio	Lower Upper
49 100	
129 0.7	0.0 4.2
130 85.8	66.4 99.6





#29

Tetrahydrofuran

Concen: 9.937 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023187.D

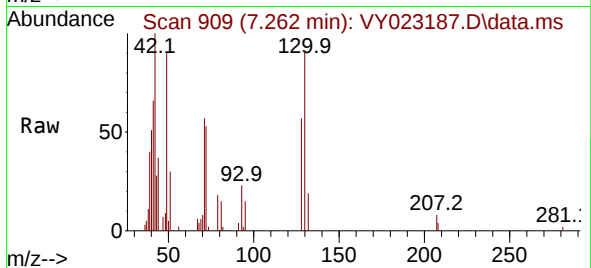
Acq: 22 Aug 2025 12:46

Instrument :

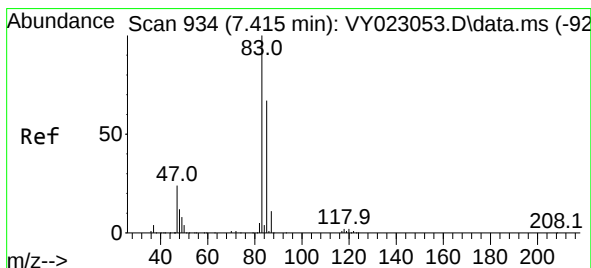
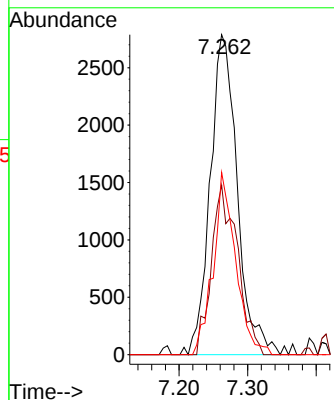
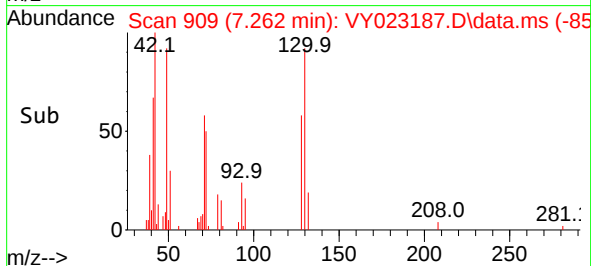
MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:	42	Resp:	7660
Ion	Ratio	Lower	Upper
42	100		
72	51.1	39.4	59.2
71	47.3	36.5	54.7



#30

Chloroform

Concen: 2.672 ug/l

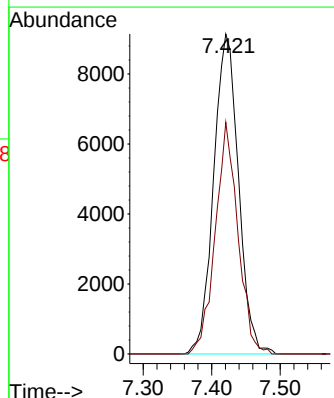
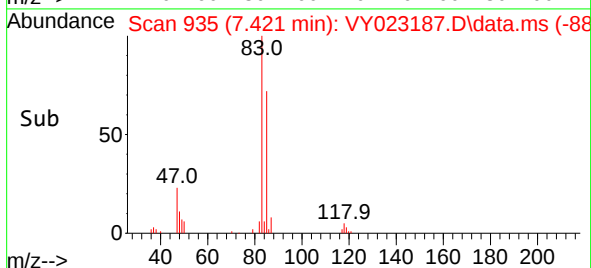
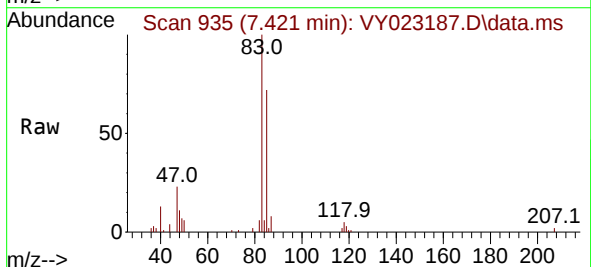
RT: 7.421 min Scan# 935

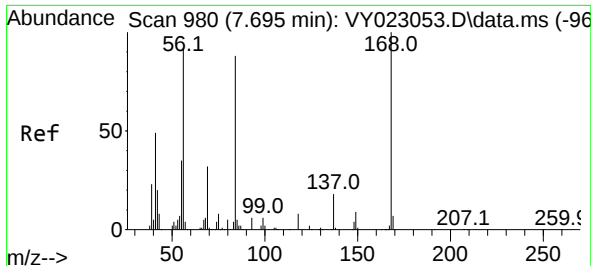
Delta R.T. 0.006 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Tgt Ion:	83	Resp:	22986
Ion	Ratio	Lower	Upper
83	100		
85	72.4	53.8	80.8

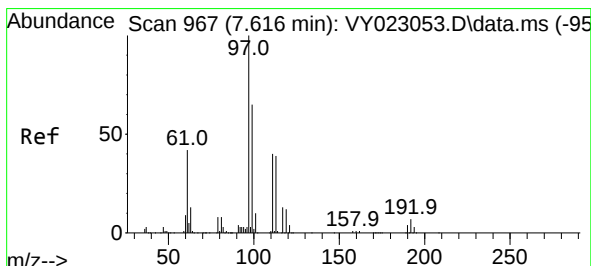
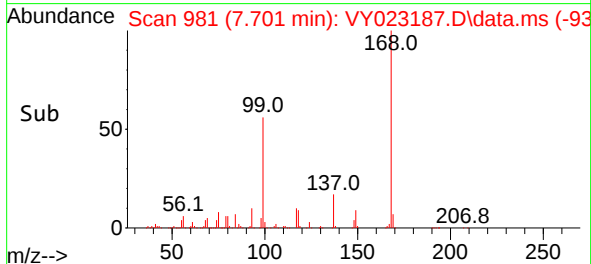
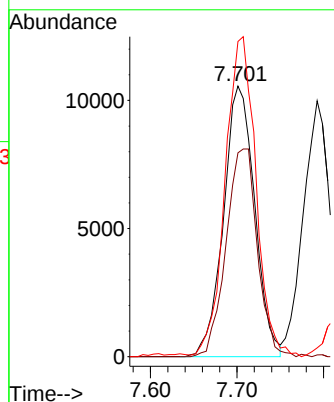
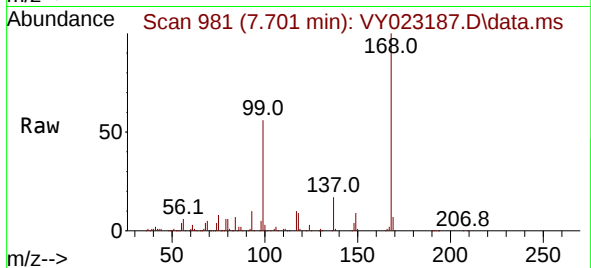




#31
Cyclohexane
Concen: 3.363 ug/l
RT: 7.701 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

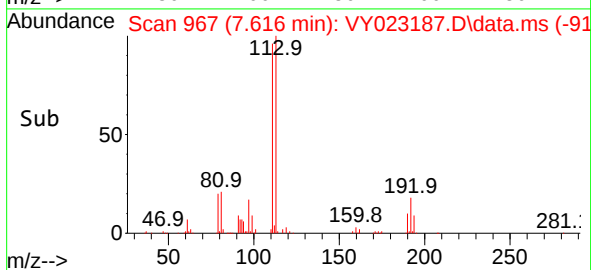
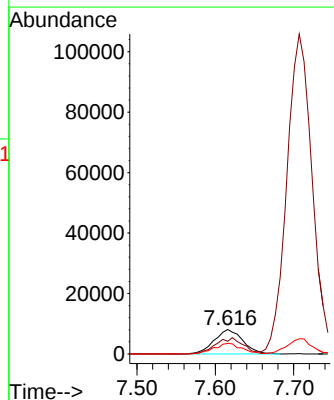
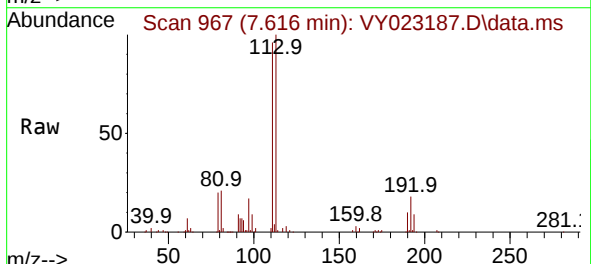
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 56 Resp: 26441
Ion Ratio Lower Upper
56 100
69 75.3 28.2 42.2#
84 115.4 76.6 114.8#



#32
1,1,1-Trichloroethane
Concen: 2.689 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

Tgt Ion: 97 Resp: 20526
Ion Ratio Lower Upper
97 100
99 64.6 51.6 77.4
61 41.7 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 51.996 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Instrument :

MSVOA_Y

ClientSampleId :

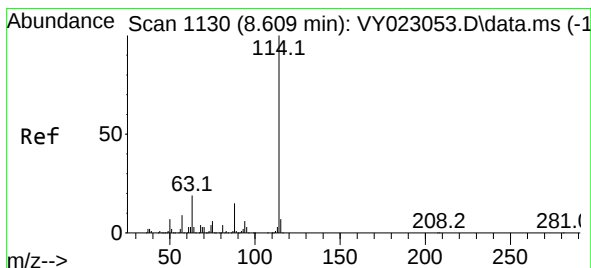
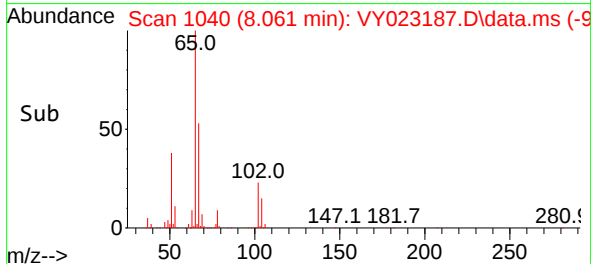
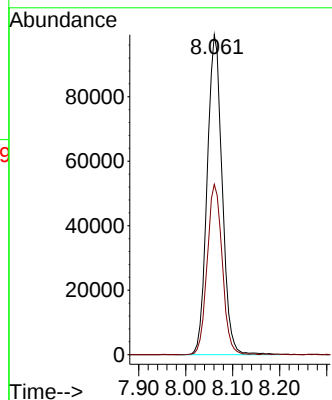
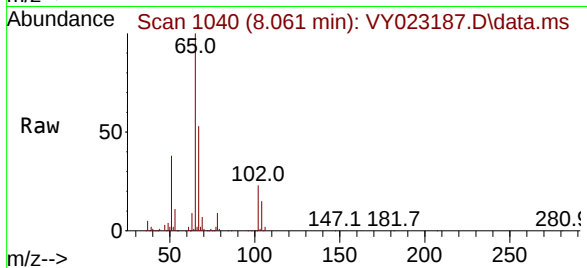
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 65 Resp: 219463

Ion Ratio Lower Upper

65 100

67 53.3 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: VY023187.D

Acq: 22 Aug 2025 12:46

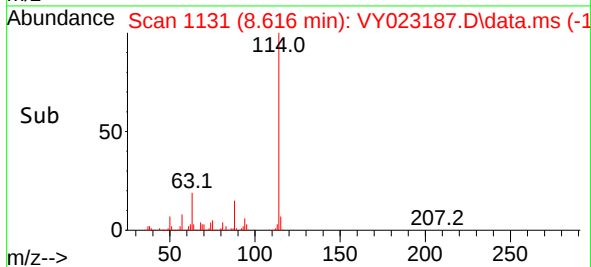
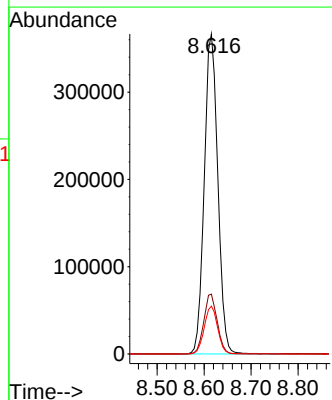
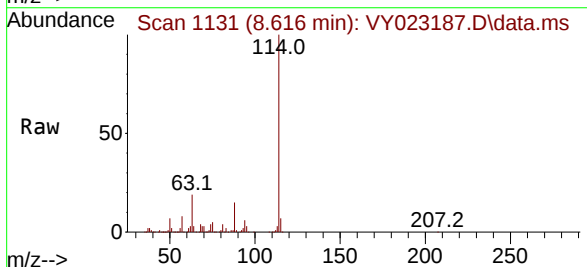
Tgt Ion: 114 Resp: 731025

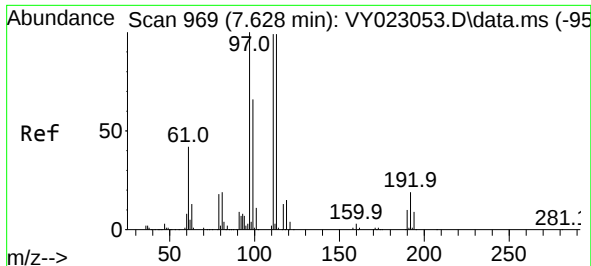
Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

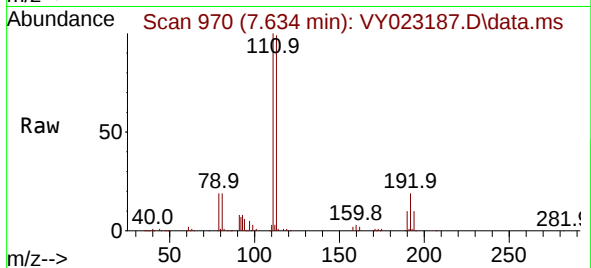
88 14.9 0.0 30.0



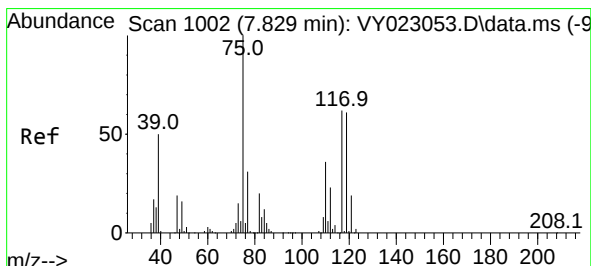
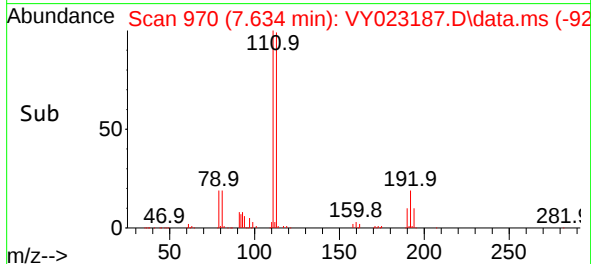
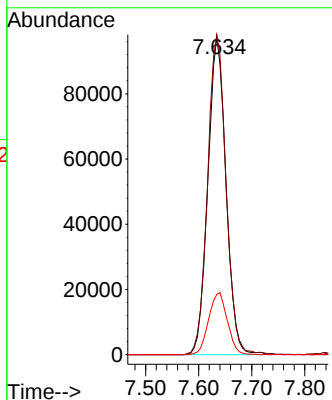


#35
Dibromofluoromethane
Concen: 52.971 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

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

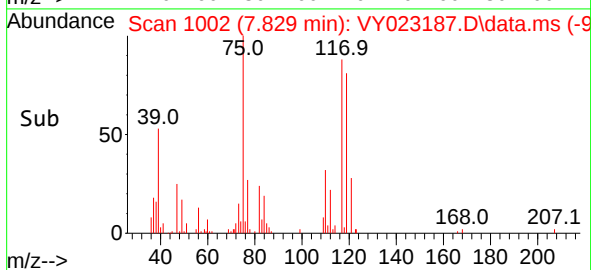
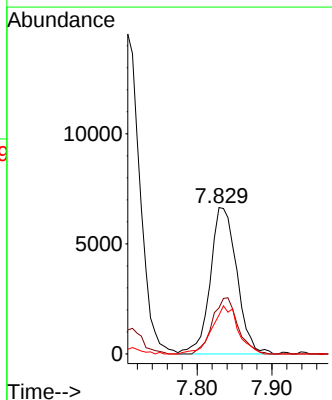
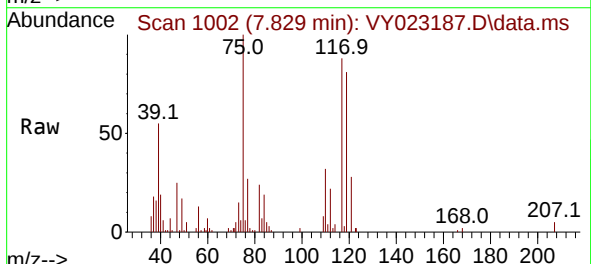


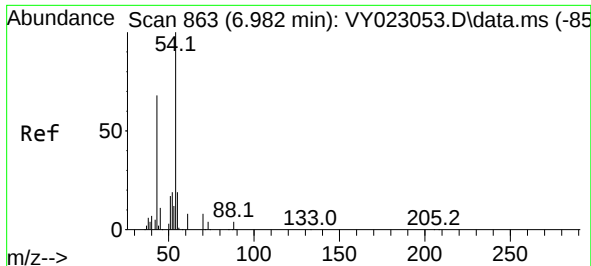
Tgt Ion:113 Resp: 231706
Ion Ratio Lower Upper
113 100
111 102.3 81.1 121.7
192 20.1 16.2 24.4



#36
1,1-Dichloropropene
Concen: 2.536 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

Tgt Ion: 75 Resp: 16489
Ion Ratio Lower Upper
75 100
110 36.9 18.1 54.4
77 32.2 24.6 37.0





#37

Ethyl Acetate

Concen: 1.911 ug/l

RT: 6.994 min Scan# 8

Delta R.T. 0.012 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

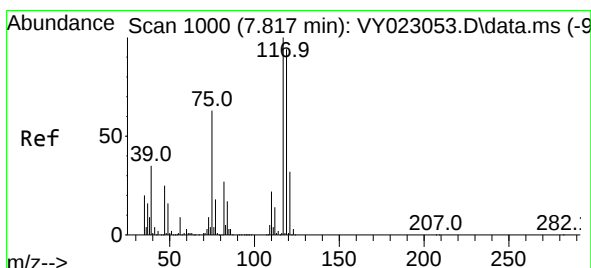
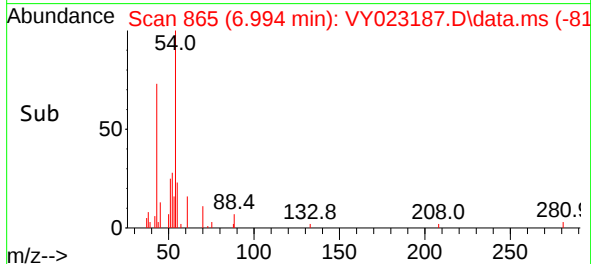
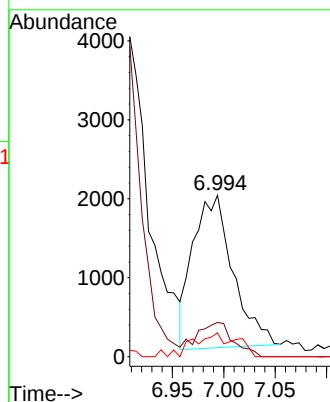
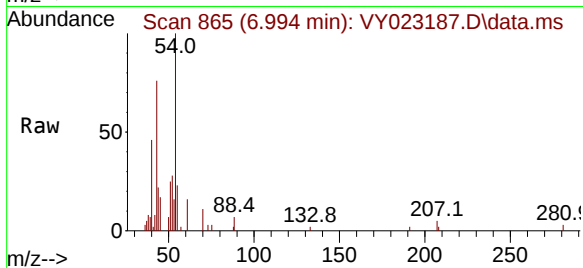
Tgt Ion: 43 Resp: 5219

Ion Ratio Lower Upper

43 100

61 20.8 11.9 17.9#

70 2.5 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 2.609 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

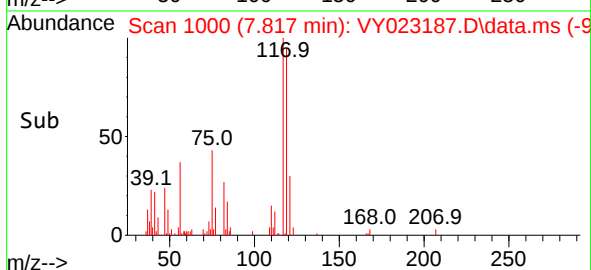
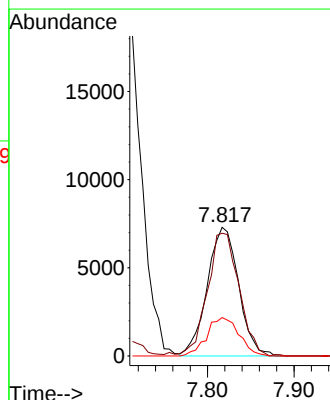
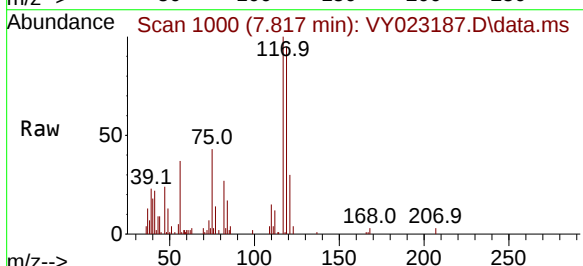
Tgt Ion: 117 Resp: 18422

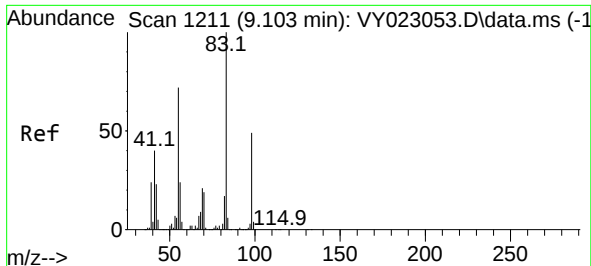
Ion Ratio Lower Upper

117 100

119 94.4 75.6 113.4

121 29.9 25.8 38.8





#39

Methylcyclohexane

Concen: 2.427 ug/l

RT: 9.103 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

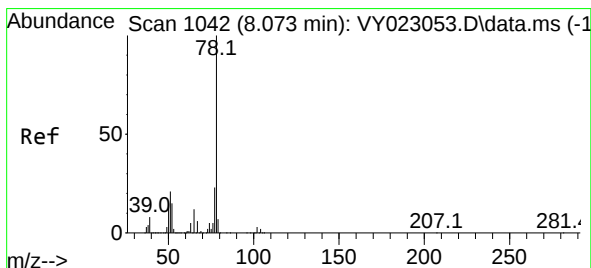
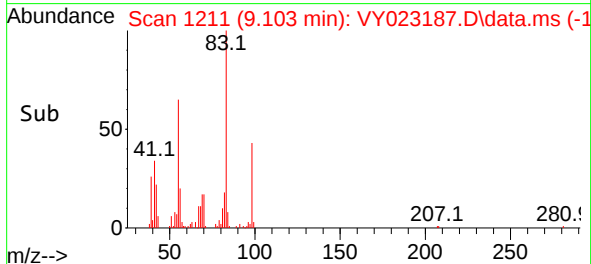
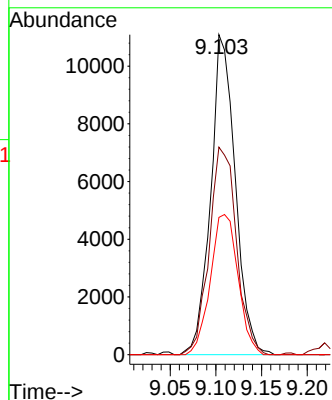
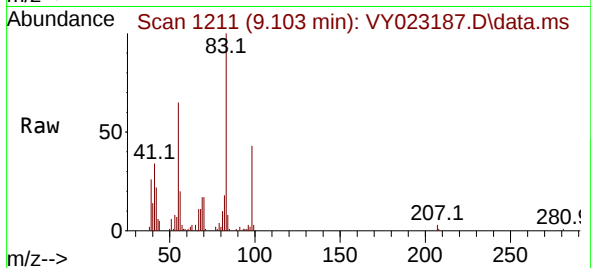
Tgt Ion: 83 Resp: 20780

Ion Ratio Lower Upper

83 100

55 64.8 57.6 86.4

98 42.9 39.2 58.8



#40

Benzene

Concen: 2.493 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY023187.D

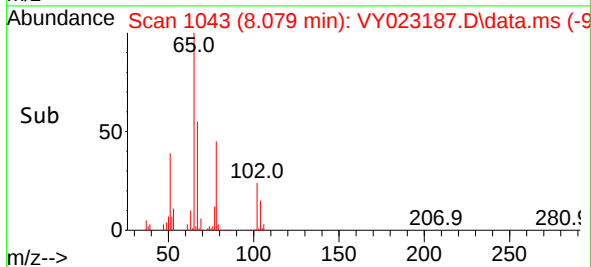
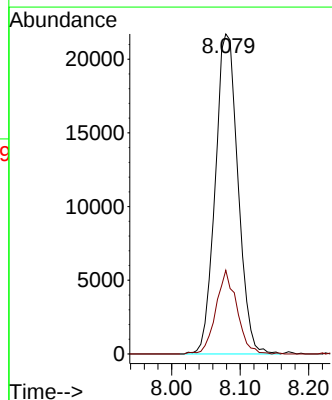
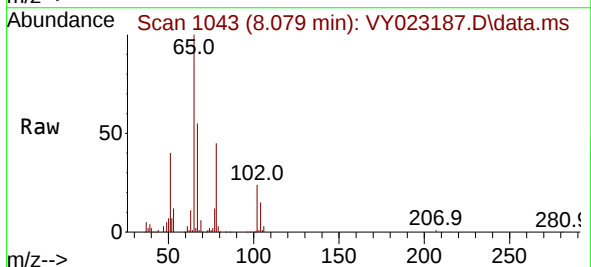
Acq: 22 Aug 2025 12:46

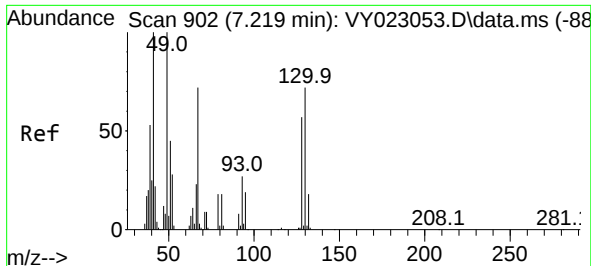
Tgt Ion: 78 Resp: 49950

Ion Ratio Lower Upper

78 100

77 26.1 18.6 28.0

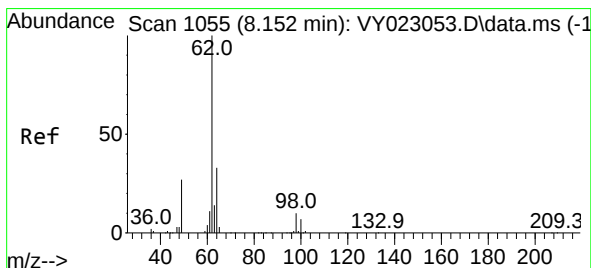
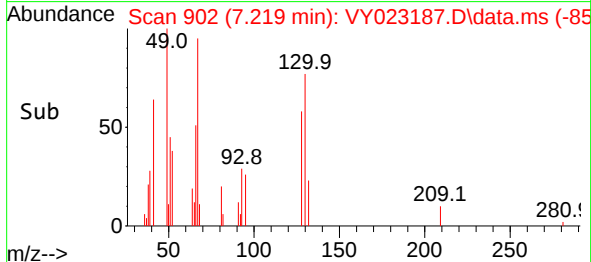
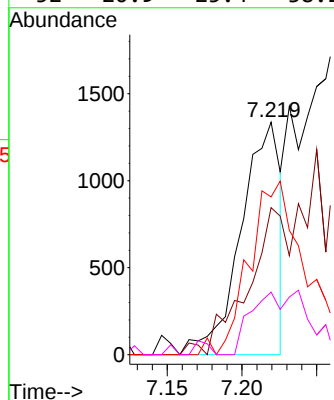
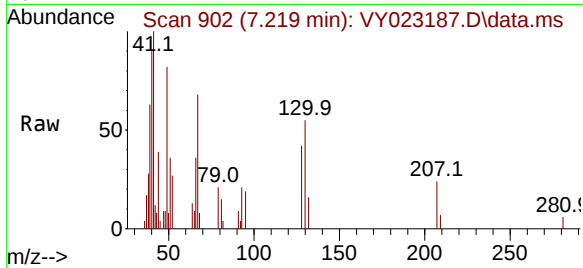




#41
Methacrylonitrile
Concen: 1.560 ug/l
RT: 7.219 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

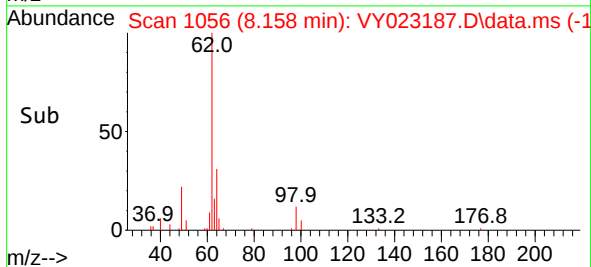
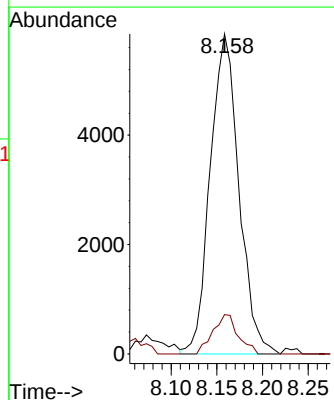
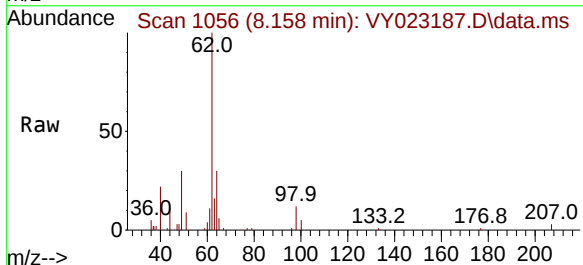
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 41	Resp: 2459
Ion Ratio	Lower Upper
41 100	
39 64.9	43.4 65.2
67 103.6	63.6 95.4#
52 20.9	25.4 38.2#



#42
1,2-Dichloroethane
Concen: 2.451 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

Tgt Ion: 62	Resp: 12773
Ion Ratio	Lower Upper
62 100	
98 10.8	0.0 20.6

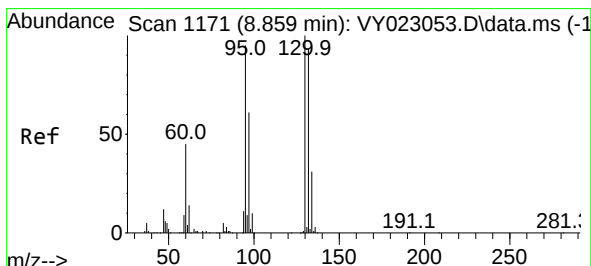
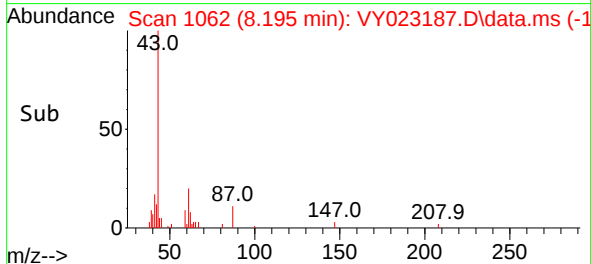
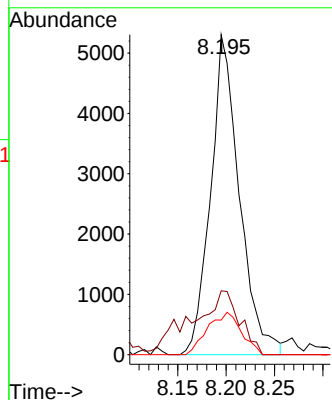
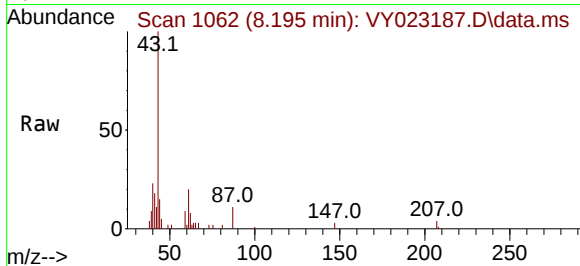




#43
Isopropyl Acetate
Concen: 1.988 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

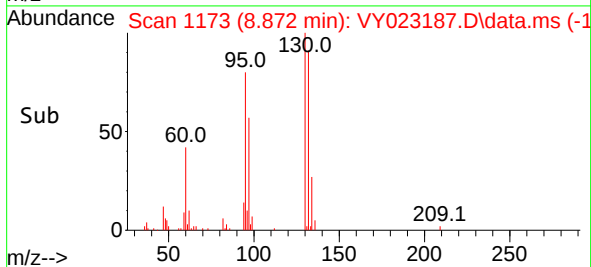
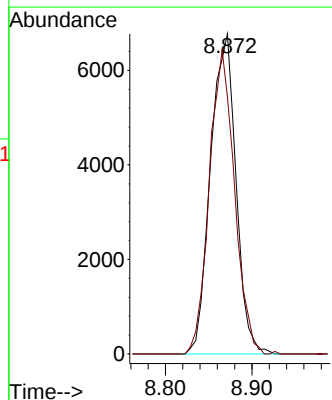
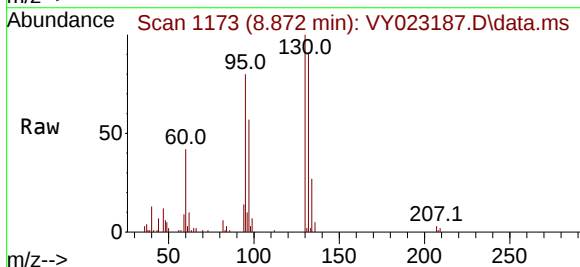
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 43 Resp: 10974
Ion Ratio Lower Upper
43 100
61 27.3 16.4 24.6#
87 15.5 11.8 17.6



#44
Trichloroethene
Concen: 2.663 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.012 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

Tgt Ion:130 Resp: 13787
Ion Ratio Lower Upper
130 100
95 80.5 0.0 190.2





#45

1,2-Dichloropropane

Concen: 2.505 ug/l

RT: 9.140 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Instrument :

MSVOA_Y

ClientSampleId :

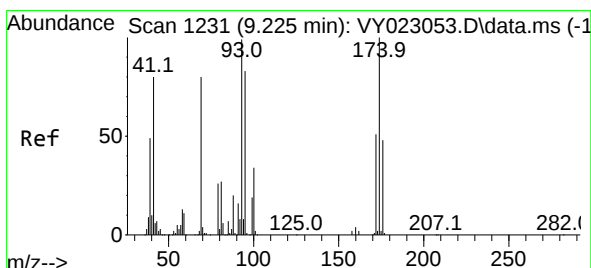
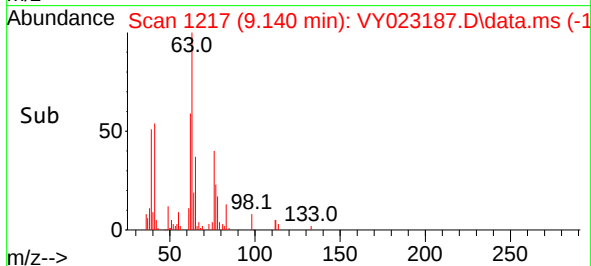
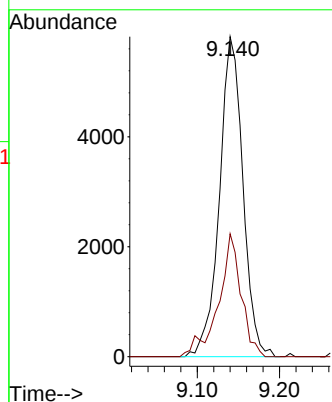
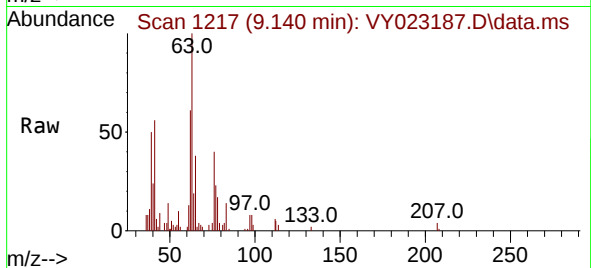
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 63 Resp: 11549

Ion Ratio Lower Upper

63 100

65 38.4 25.3 37.9#



#46

Dibromomethane

Concen: 2.603 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

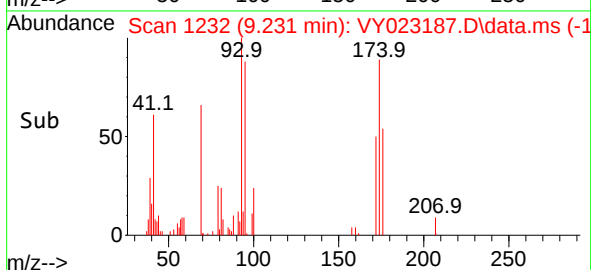
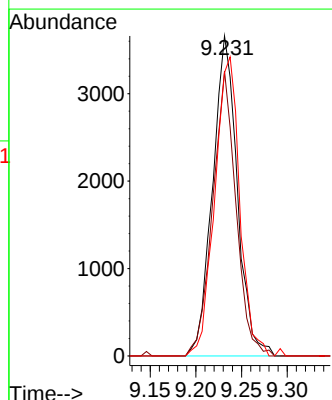
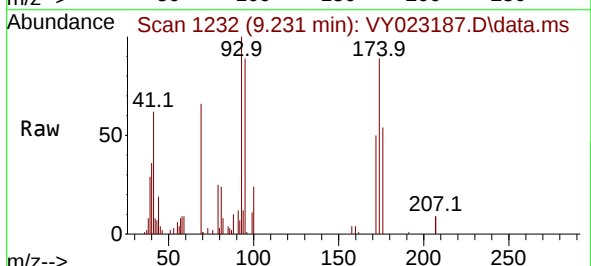
Tgt Ion: 93 Resp: 6888

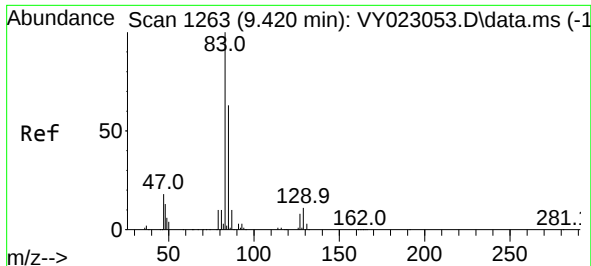
Ion Ratio Lower Upper

93 100

95 84.1 66.5 99.7

174 94.4 81.8 122.8

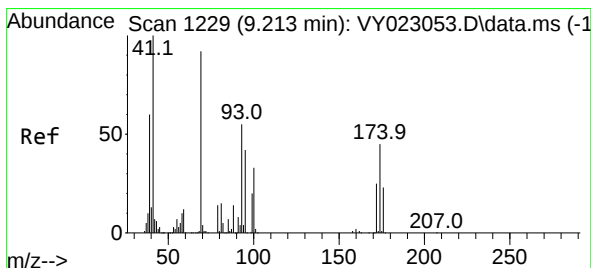
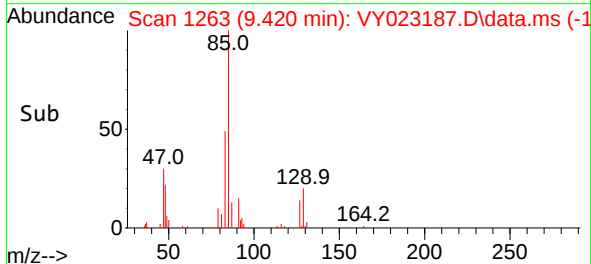
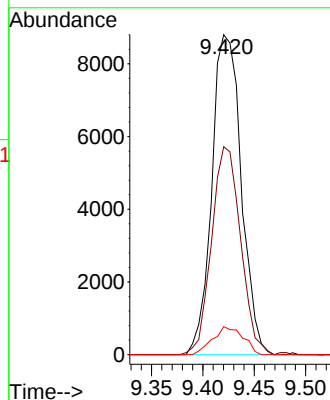
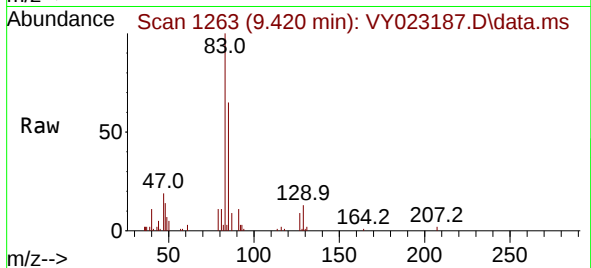




#47
Bromodichloromethane
Concen: 2.571 ug/l
RT: 9.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

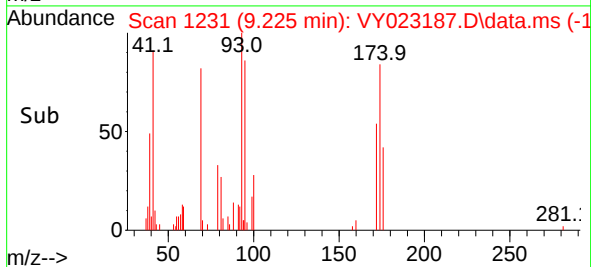
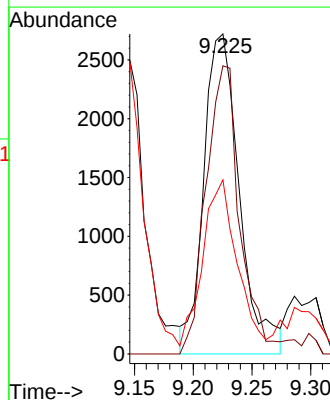
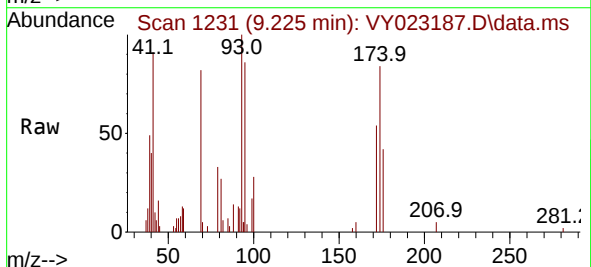
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 83	Resp:	17503	
Ion Ratio	Lower	Upper	
83	100		
85	65.0	50.2	75.4
127	8.7	6.6	10.0



#48
Methyl methacrylate
Concen: 2.172 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.012 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

Tgt Ion: 41	Resp:	5737	
Ion	Ratio	Lower	Upper
41	100		
69	85.6	73.2	109.8
39	54.1	47.0	70.4





#49

1,4-Dioxane

Concen: 38.097 ug/l

RT: 9.237 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023187.D

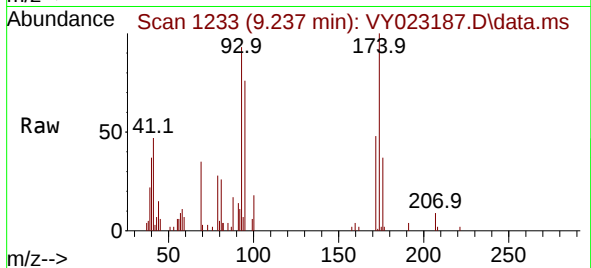
Acq: 22 Aug 2025 12:46

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



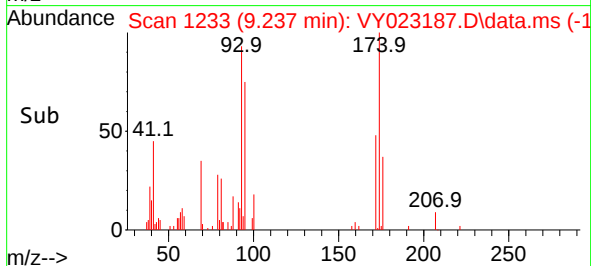
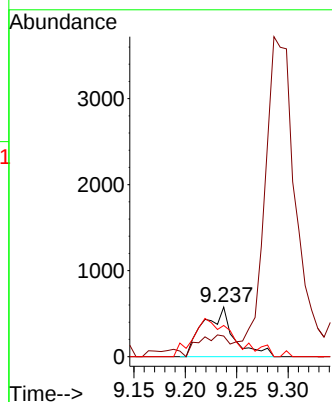
Tgt Ion: 88 Resp: 1182

Ion Ratio Lower Upper

88 100

43 42.8 24.3 36.5#

58 103.1 55.4 83.0#



#50

Toluene-d8

Concen: 50.038 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023187.D

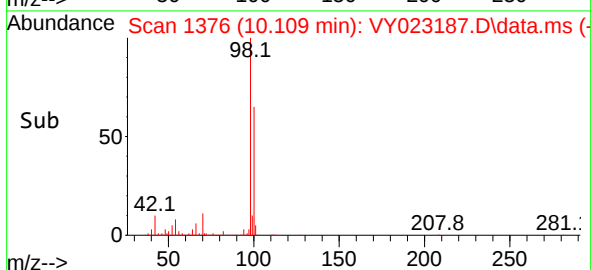
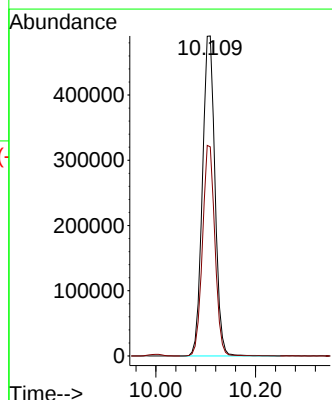
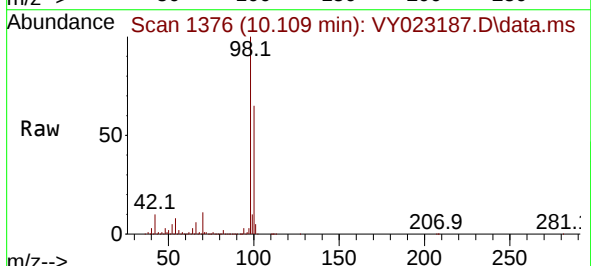
Acq: 22 Aug 2025 12:46

Tgt Ion: 98 Resp: 855066

Ion Ratio Lower Upper

98 100

100 65.1 52.3 78.5

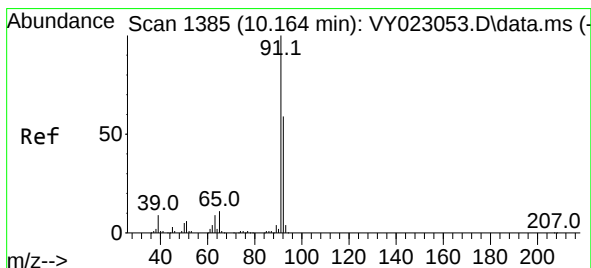
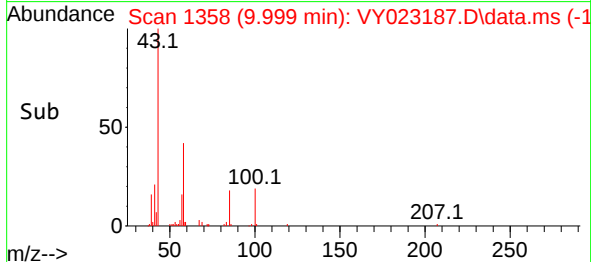
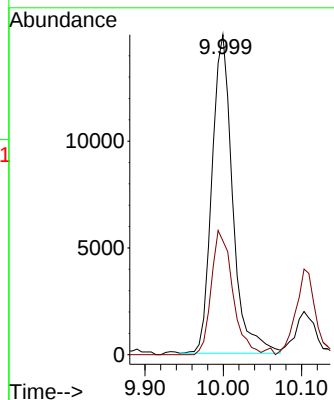
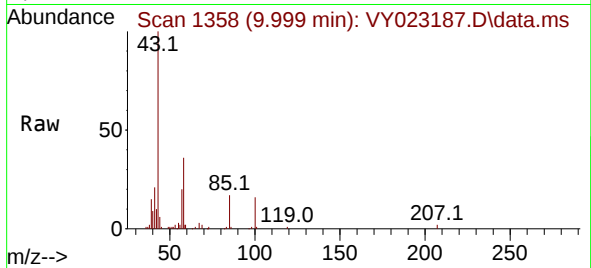




#51
4-Methyl-2-Pentanone
Concen: 9.601 ug/l
RT: 9.999 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

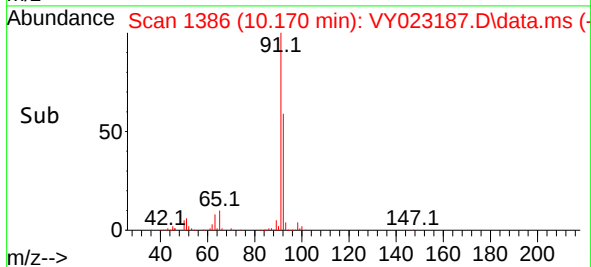
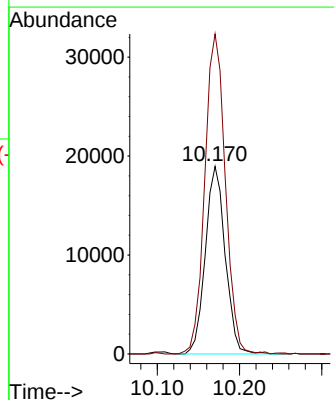
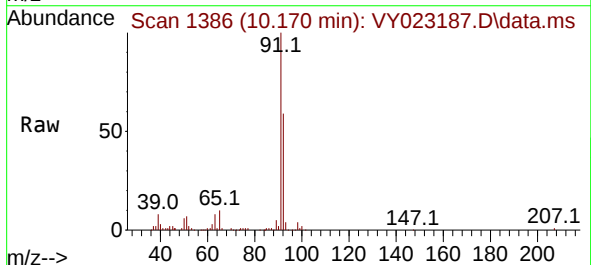
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

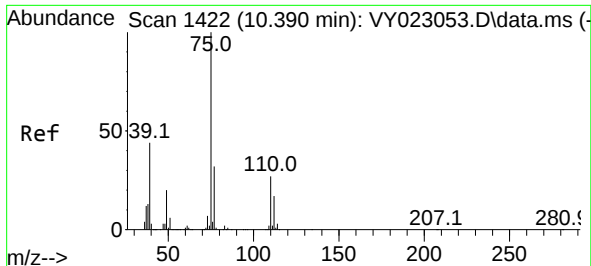
Tgt Ion: 43 Resp: 27335
Ion Ratio Lower Upper
43 100
58 40.2 33.5 50.3



#52
Toluene
Concen: 2.502 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

Tgt Ion: 92 Resp: 31840
Ion Ratio Lower Upper
92 100
91 176.2 136.4 204.6

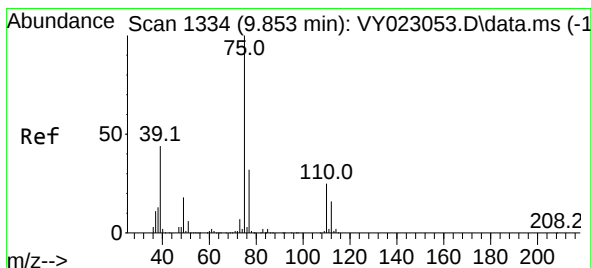
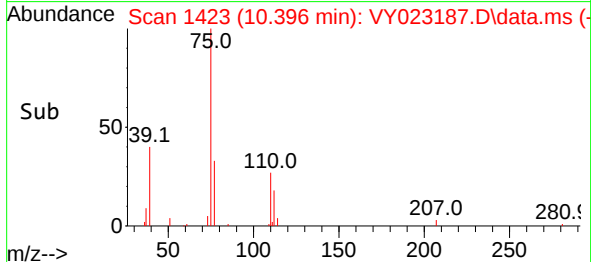
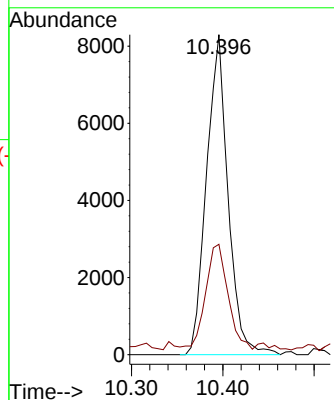
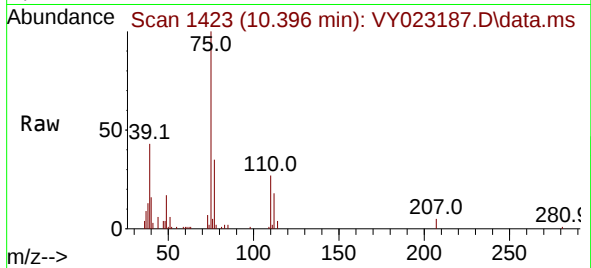




#53
 t-1,3-Dichloropropene
 Concen: 2.197 ug/l
 RT: 10.396 min Scan# 1422
 Delta R.T. 0.006 min
 Lab File: VY023187.D
 Acq: 22 Aug 2025 12:46

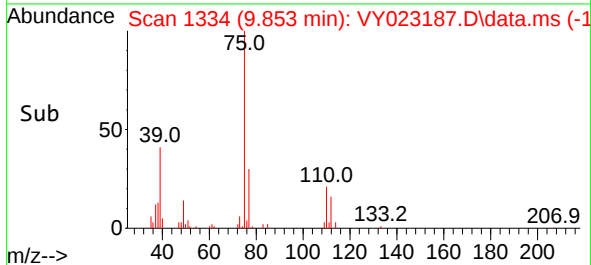
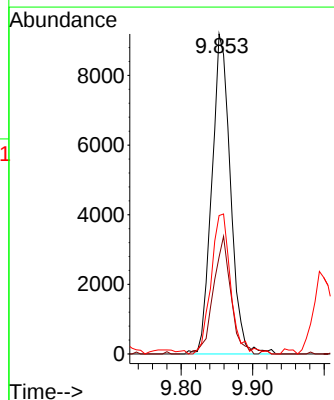
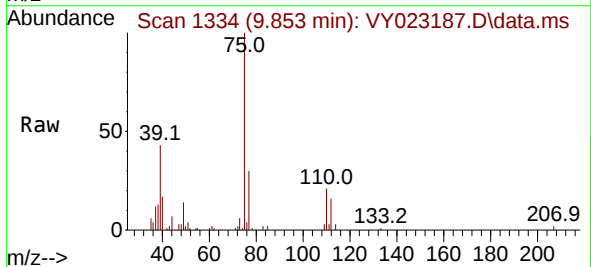
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

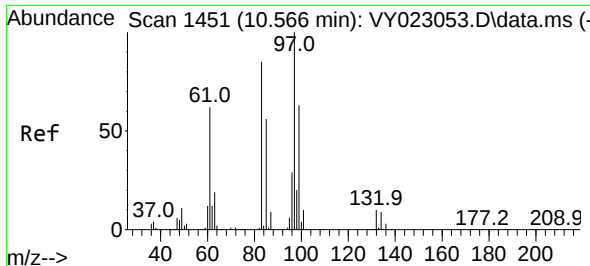
Tgt Ion: 75 Resp: 13548
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 2.281 ug/l
 RT: 9.853 min Scan# 1334
 Delta R.T. 0.000 min
 Lab File: VY023187.D
 Acq: 22 Aug 2025 12:46

Tgt Ion: 75 Resp: 16633
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.4 38.0
 39 43.2 35.6 53.4

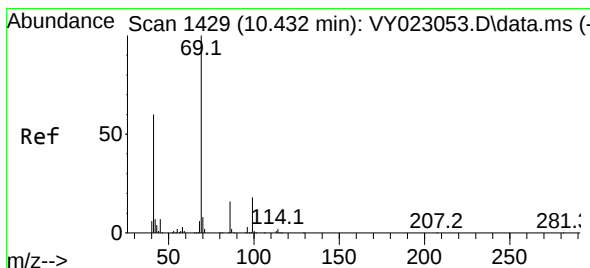
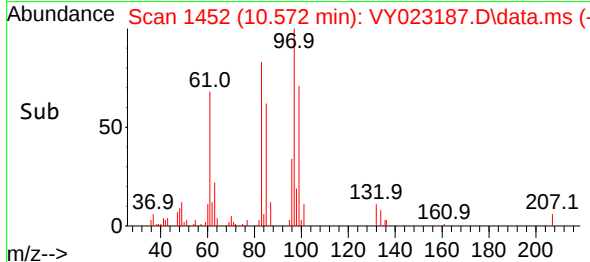
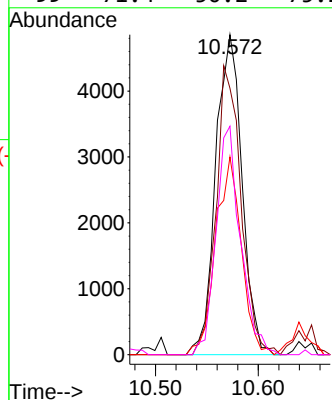
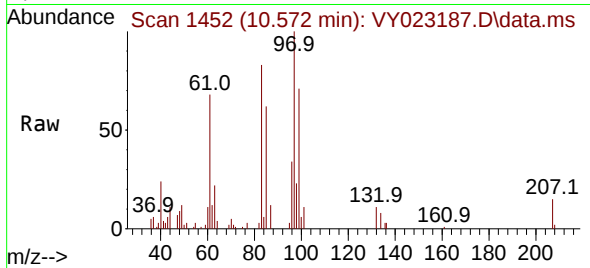




#55
1,1,2-Trichloroethane
Concen: 2.436 ug/l
RT: 10.572 min Scan# 1451
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

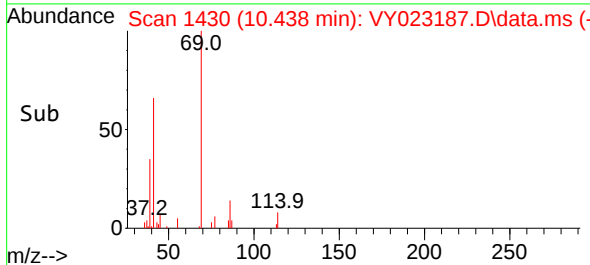
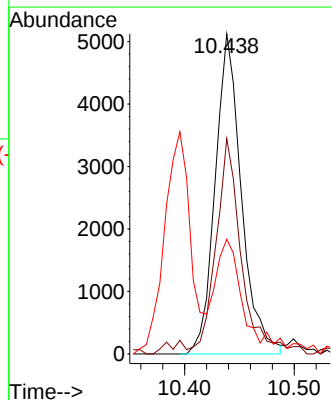
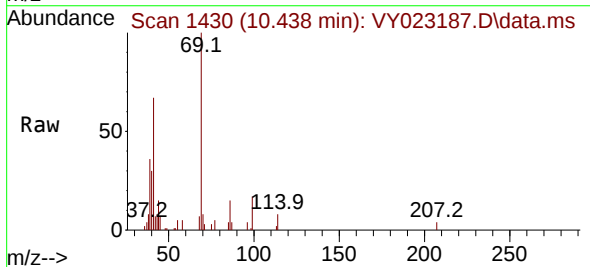
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

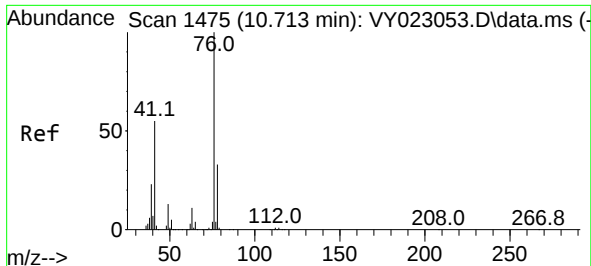
Tgt Ion:	97	Resp:	8625
Ion	Ratio	Lower	Upper
97	100		
83	83.2	67.7	101.5
85	61.8	44.5	66.7
99	71.4	50.2	75.2



#56
Ethyl methacrylate
Concen: 1.878 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

Tgt Ion:	69	Resp:	8509
Ion	Ratio	Lower	Upper
69	100		
41	65.2	48.6	72.8
39	40.6	27.0	40.4





#57

1,3-Dichloropropane

Concen: 2.393 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Instrument :

MSVOA_Y

ClientSampleId :

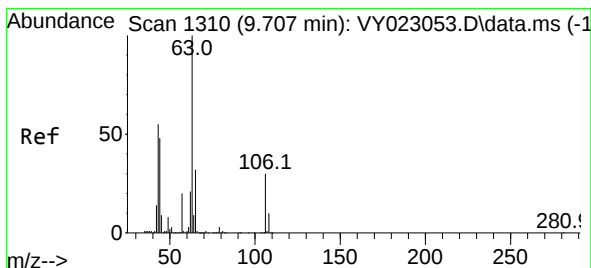
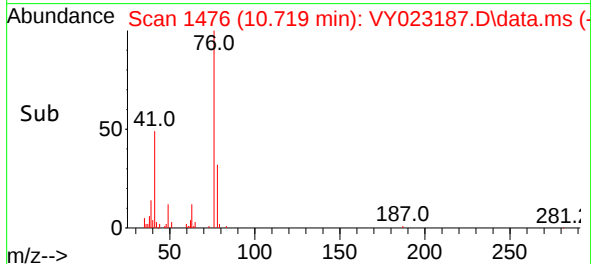
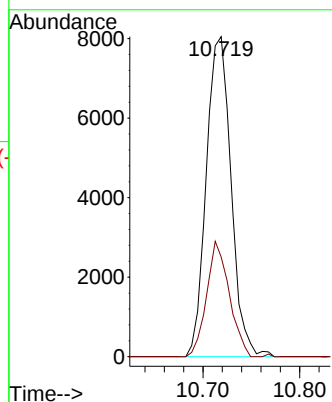
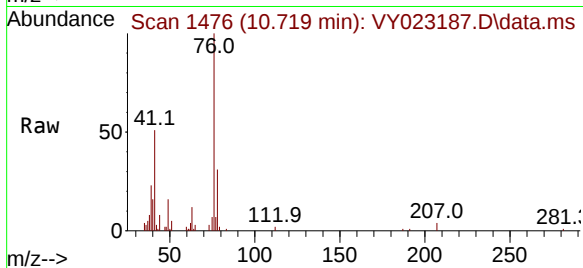
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 76 Resp: 14367

Ion Ratio Lower Upper

76 100

78 32.9 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 8.537 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY023187.D

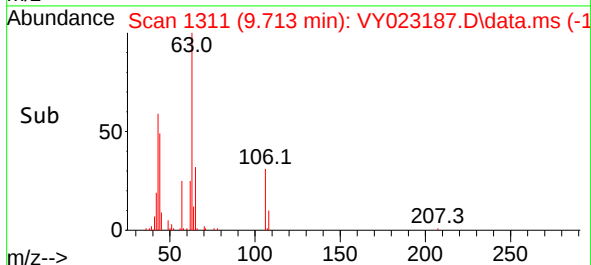
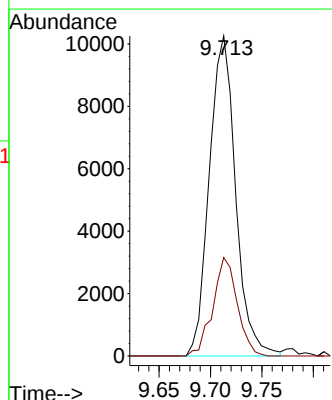
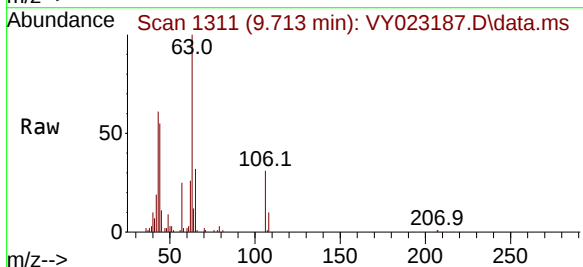
Acq: 22 Aug 2025 12:46

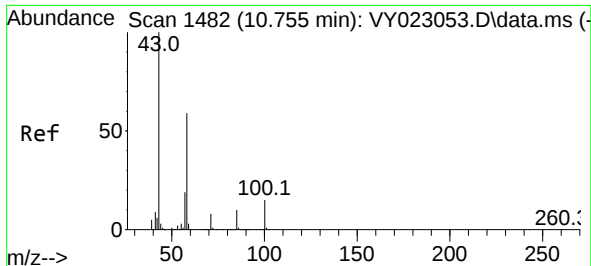
Tgt Ion: 63 Resp: 18244

Ion Ratio Lower Upper

63 100

106 28.5 23.2 34.8

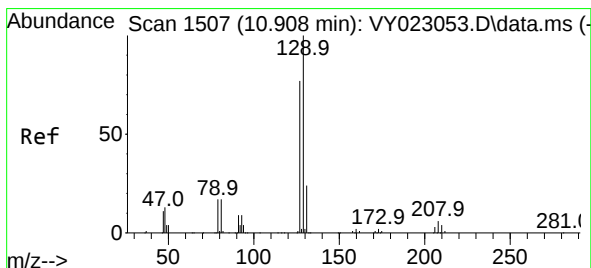
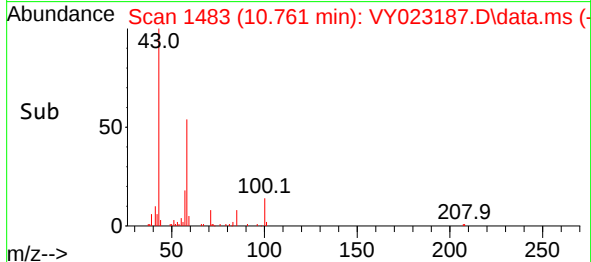
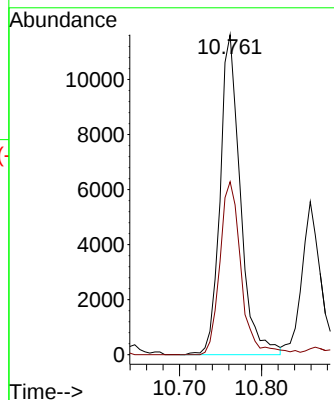
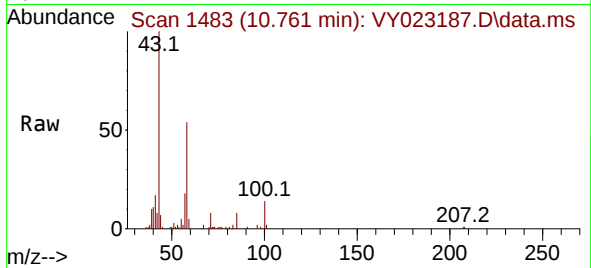




#59
2-Hexanone
Concen: 10.264 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

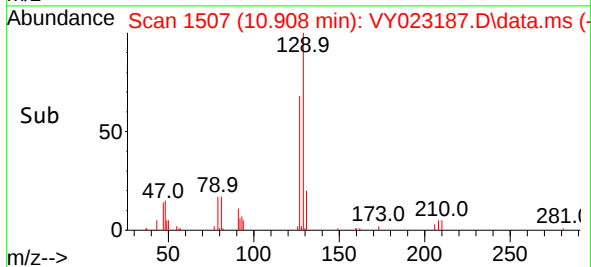
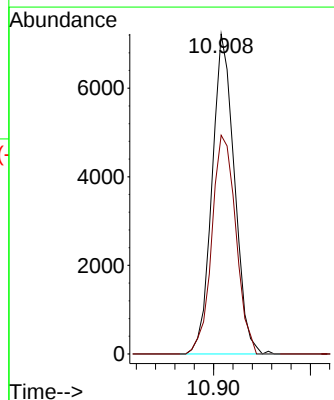
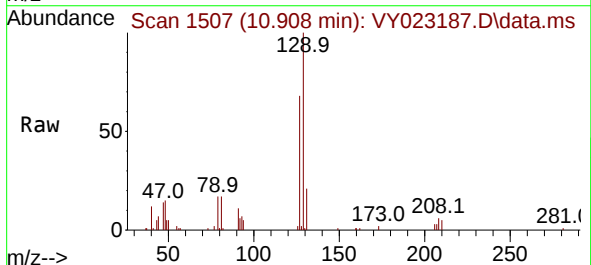
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

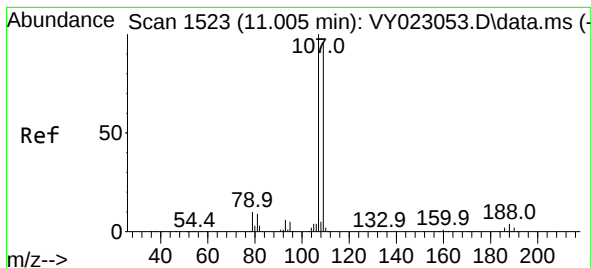
Tgt Ion: 43 Resp: 19899
Ion Ratio Lower Upper
43 100
58 57.0 29.5 88.5



#60
Dibromochloromethane
Concen: 2.478 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

Tgt Ion: 129 Resp: 11576
Ion Ratio Lower Upper
129 100
127 73.5 38.5 115.5

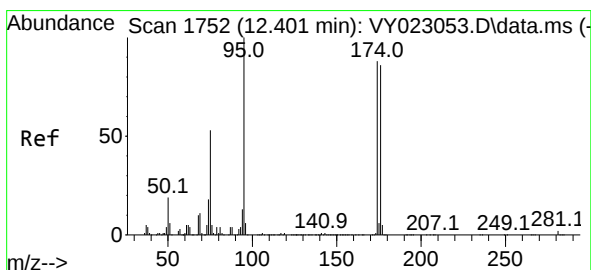
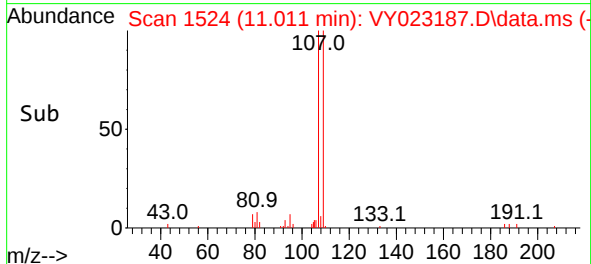
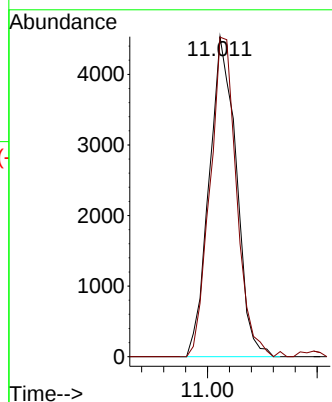
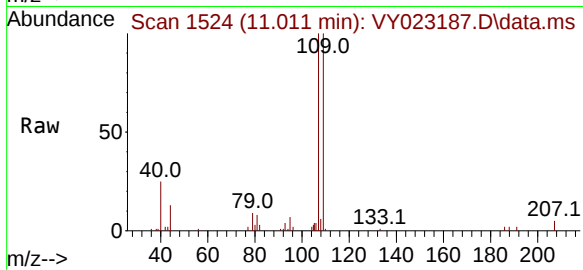




#61
1,2-Dibromoethane
Concen: 2.346 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

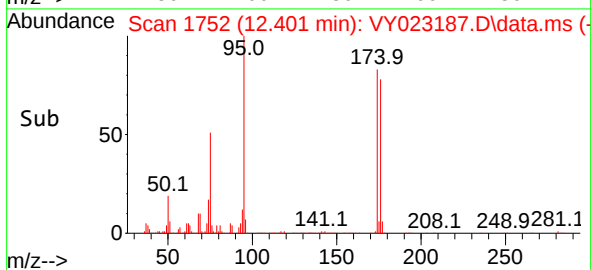
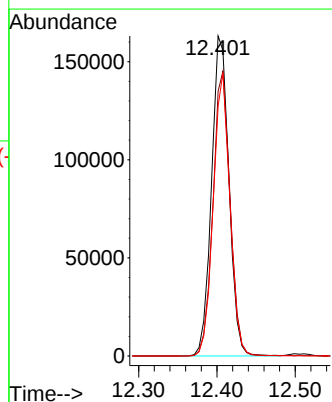
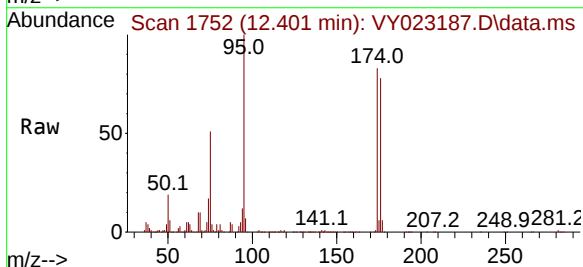
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

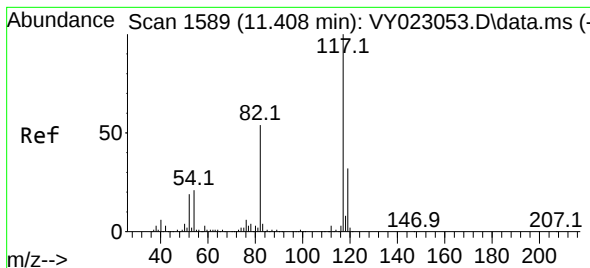
Tgt Ion:107 Resp: 7807
Ion Ratio Lower Upper
107 100
109 97.5 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 45.688 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

Tgt Ion: 95 Resp: 251079
Ion Ratio Lower Upper
95 100
174 87.7 0.0 171.6
176 85.0 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

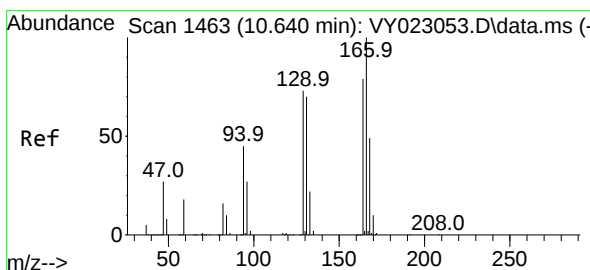
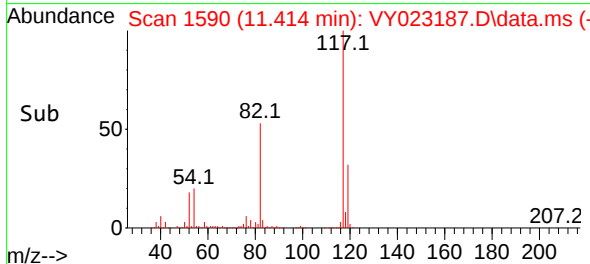
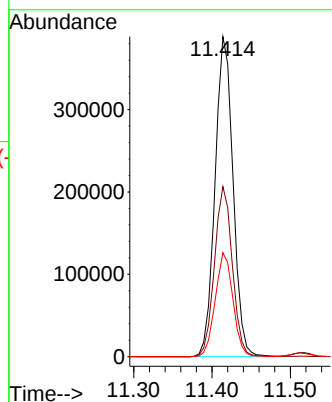
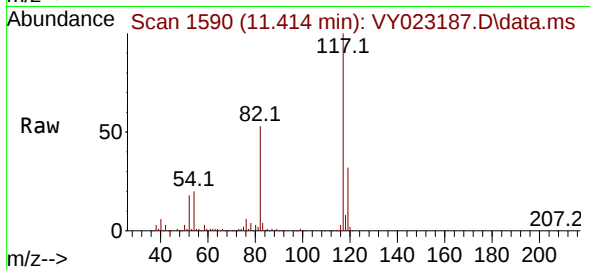
Tgt Ion:117 Resp: 621124

Ion Ratio Lower Upper

117 100

82 53.1 43.4 65.0

119 32.5 25.6 38.4



#64

Tetrachloroethene

Concen: 2.924 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Tgt Ion:164 Resp: 16215

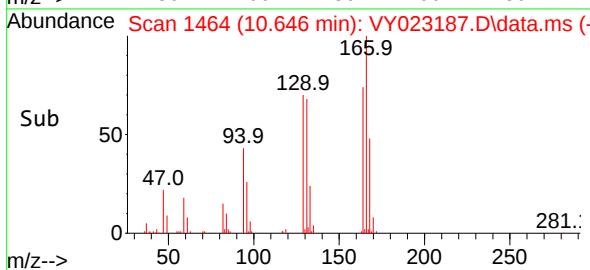
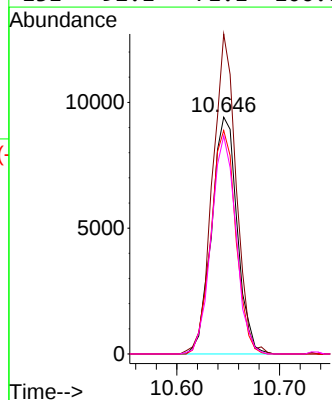
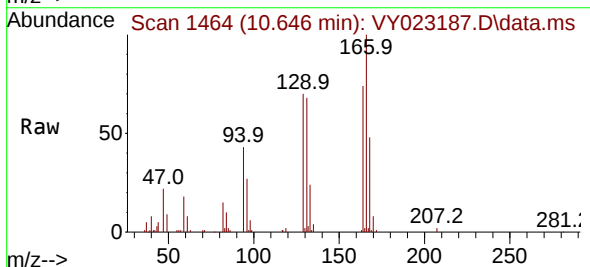
Ion Ratio Lower Upper

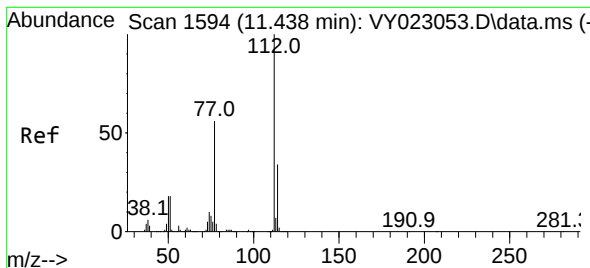
164 100

166 135.1 101.1 151.7

129 94.4 74.0 111.0

131 92.1 71.1 106.7





#65

Chlorobenzene

Concen: 2.660 ug/l

RT: 11.438 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Instrument :

MSVOA_Y

ClientSampleId :

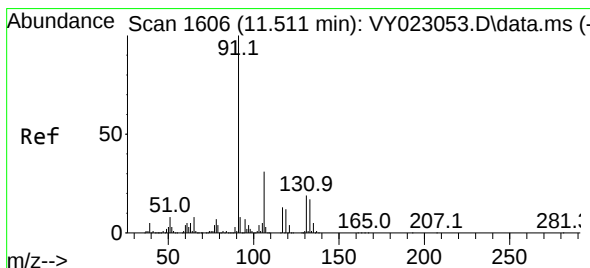
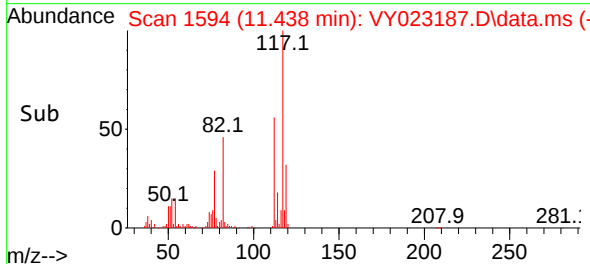
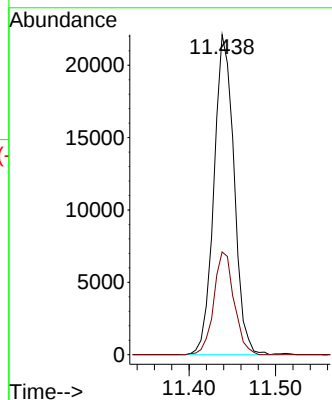
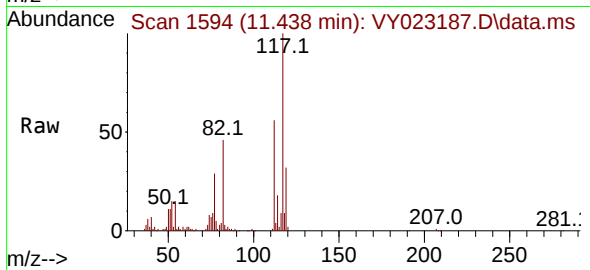
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:112 Resp: 35637

Ion Ratio Lower Upper

112 100

114 32.1 27.0 40.4



#66

1,1,1,2-Tetrachloroethane

Concen: 2.601 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

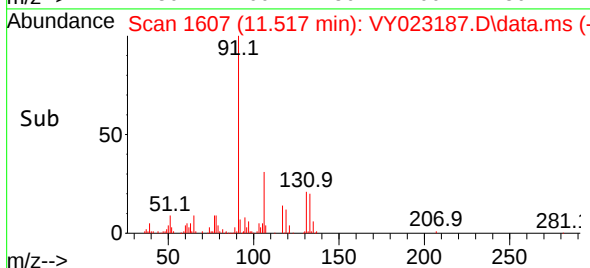
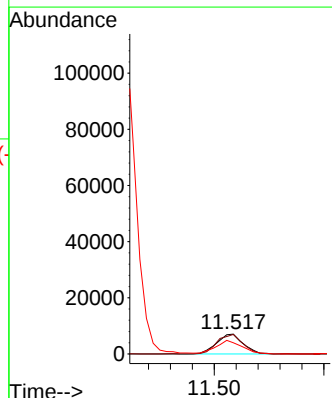
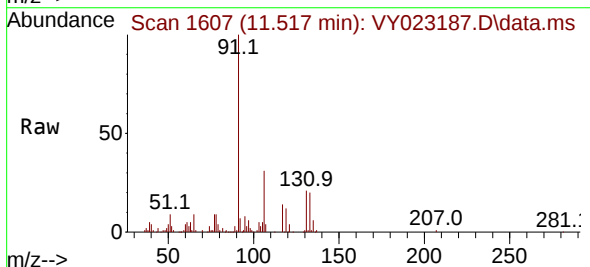
Tgt Ion:131 Resp: 11829

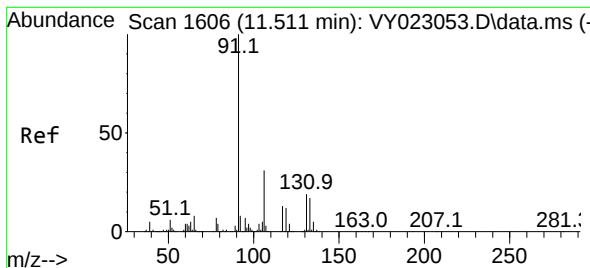
Ion Ratio Lower Upper

131 100

133 96.2 46.9 140.6

119 67.4 33.2 99.6





#67

Ethyl Benzene

Concen: 2.393 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Instrument :

MSVOA_Y

ClientSampleId :

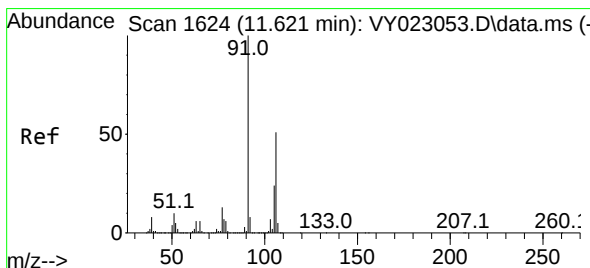
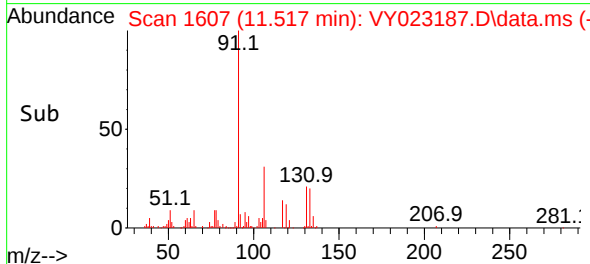
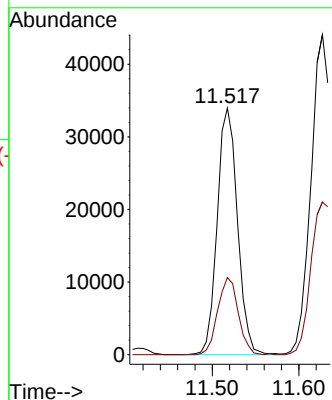
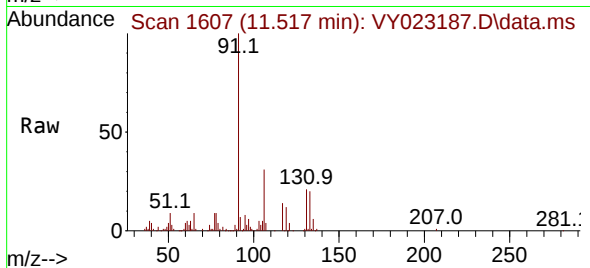
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 91 Resp: 55184

Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4



#68

m/p-Xylenes

Concen: 4.450 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.006 min

Lab File: VY023187.D

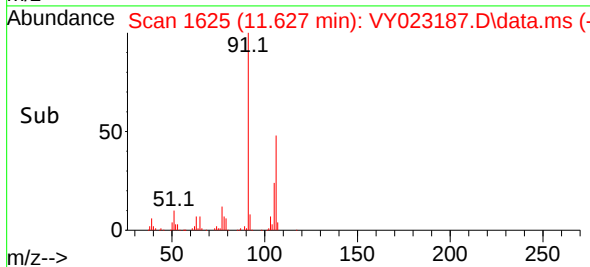
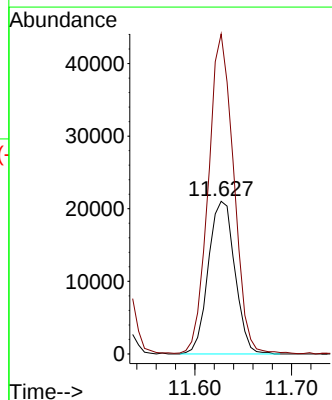
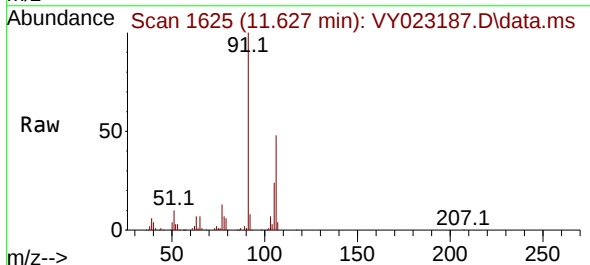
Acq: 22 Aug 2025 12:46

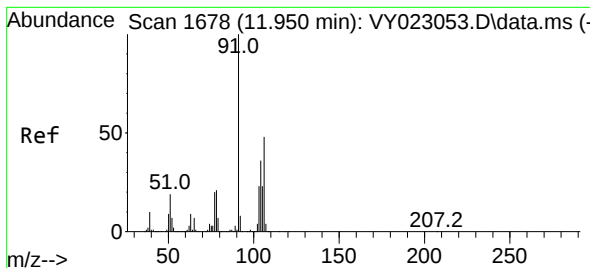
Tgt Ion: 106 Resp: 40070

Ion Ratio Lower Upper

106 100

91 200.3 158.6 238.0





#69

o-Xylene

Concen: 2.327 ug/l

RT: 11.950 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Instrument :

MSVOA_Y

ClientSampleId :

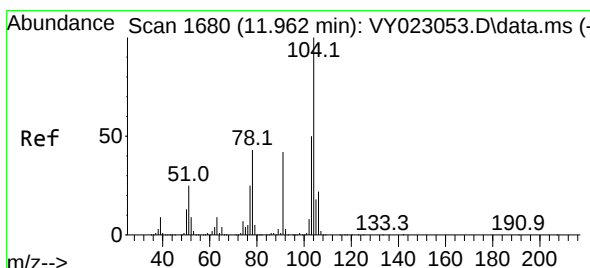
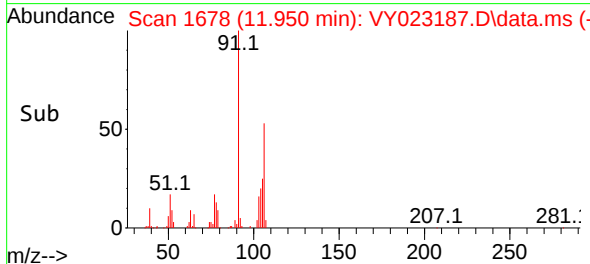
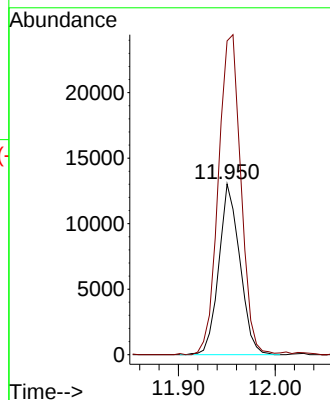
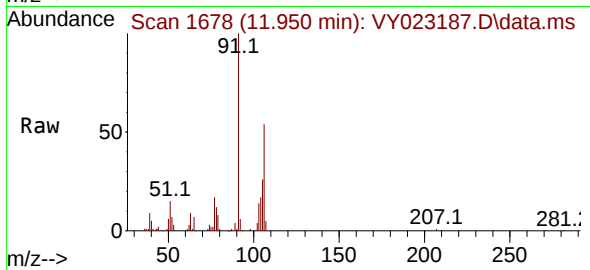
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:106 Resp: 19624

Ion Ratio Lower Upper

106 100

91 200.9 103.2 309.4



#70

Styrene

Concen: 2.162 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.006 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

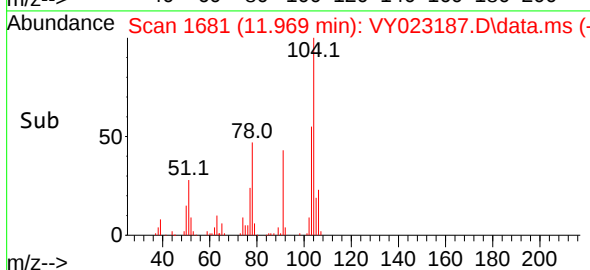
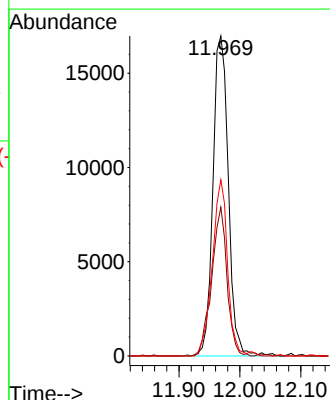
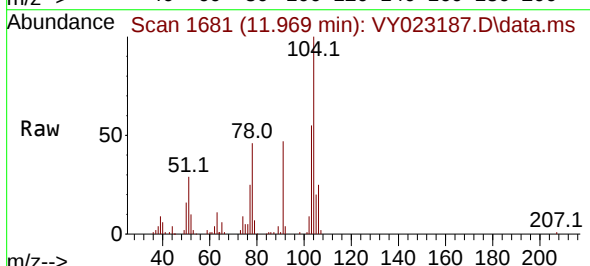
Tgt Ion:104 Resp: 29818

Ion Ratio Lower Upper

104 100

78 46.2 38.5 57.7

103 54.4 43.7 65.5





#71

Bromoform

Concen: 2.376 ug/l

RT: 12.133 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

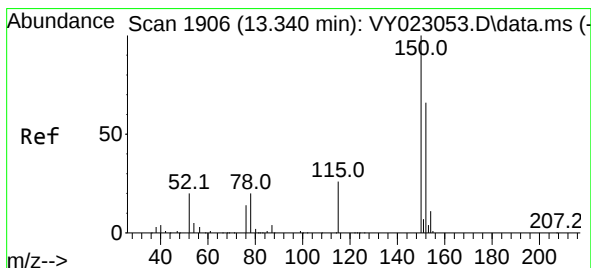
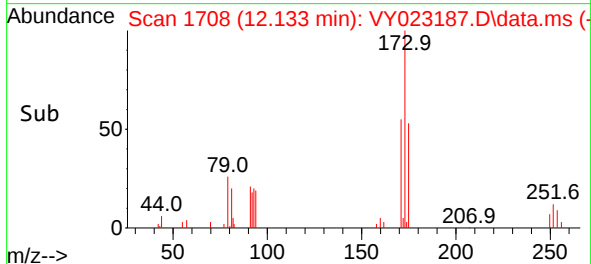
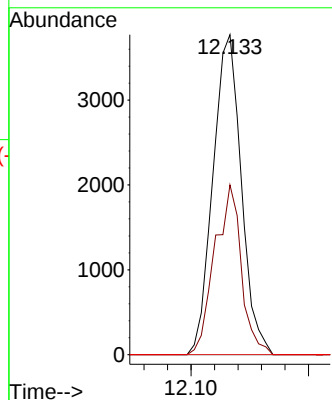
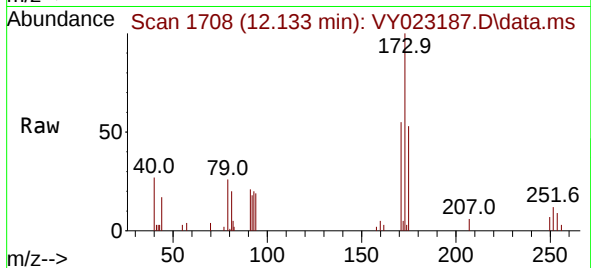
Tgt Ion:173 Resp: 6314

Ion Ratio Lower Upper

173 100

175 49.8 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: VY023187.D

Acq: 22 Aug 2025 12:46

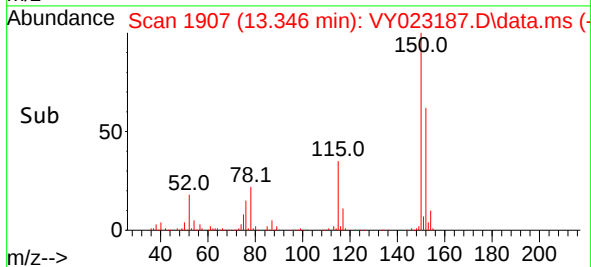
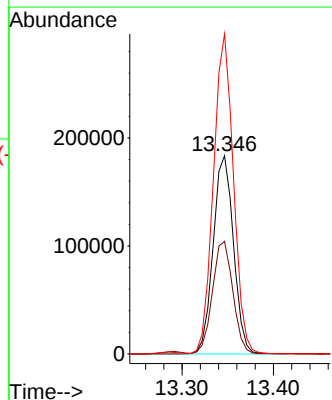
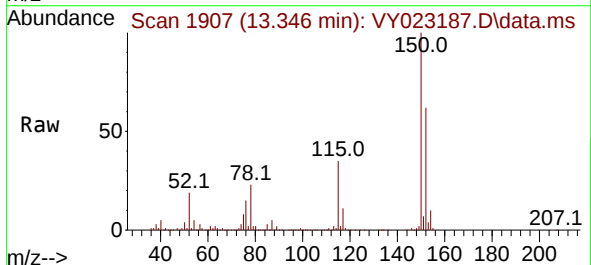
Tgt Ion:152 Resp: 283458

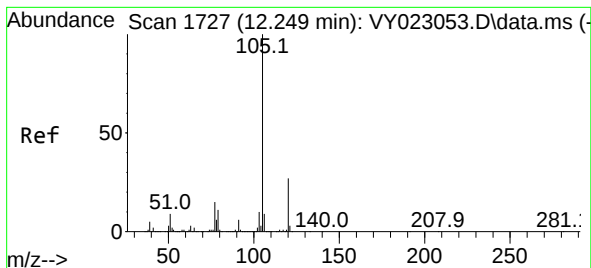
Ion Ratio Lower Upper

152 100

115 57.0 28.2 84.6

150 159.0 0.0 348.0





#73

Isopropylbenzene

Concen: 2.381 ug/l

RT: 12.255 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Instrument :

MSVOA_Y

ClientSampleId :

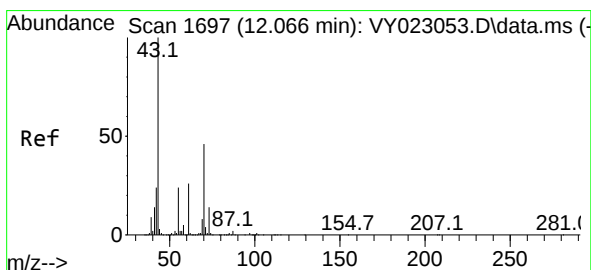
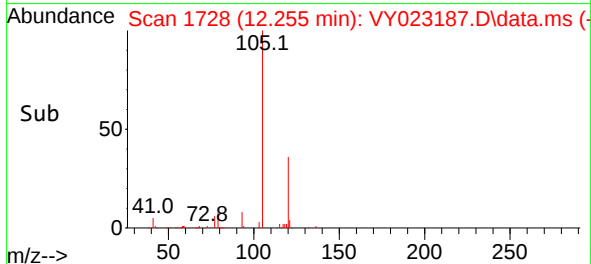
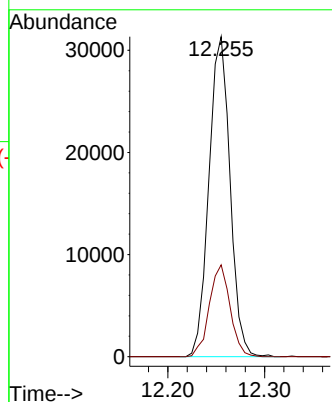
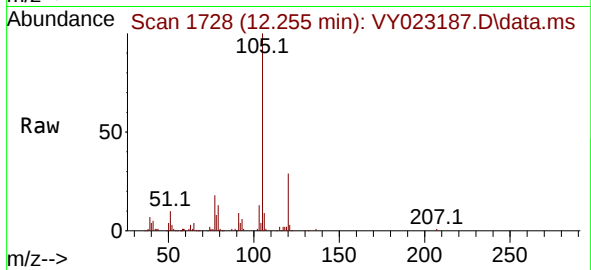
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:105 Resp: 47634

Ion Ratio Lower Upper

105 100

120 28.2 13.4 40.2



#74

N-ethyl acetate

Concen: 1.980 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Tgt Ion: 43 Resp: 8401

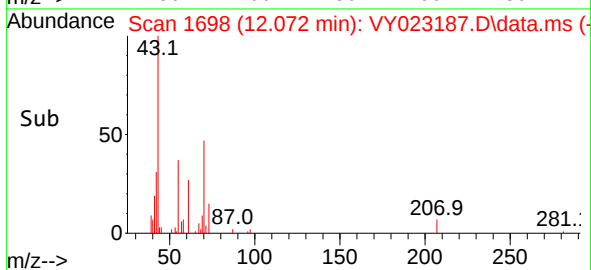
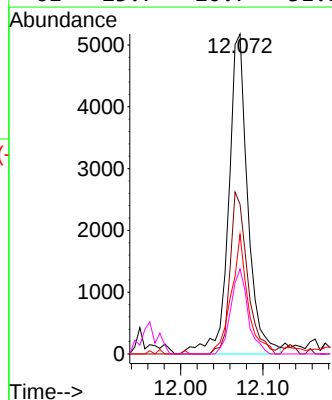
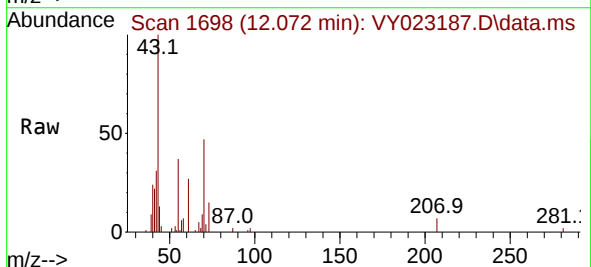
Ion Ratio Lower Upper

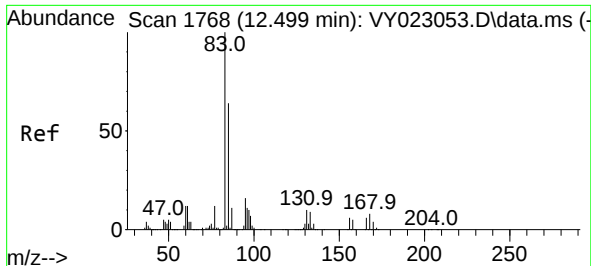
43 100

70 46.0 37.5 56.3

55 32.4 20.7 31.1#

61 23.7 20.7 31.1

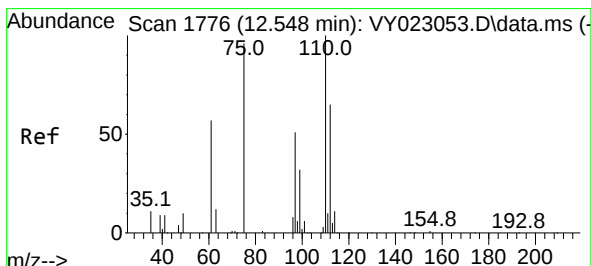
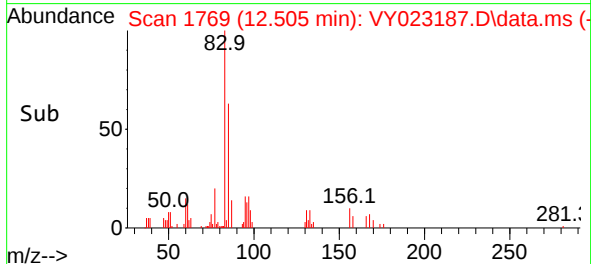
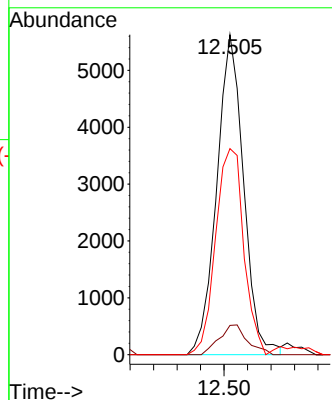
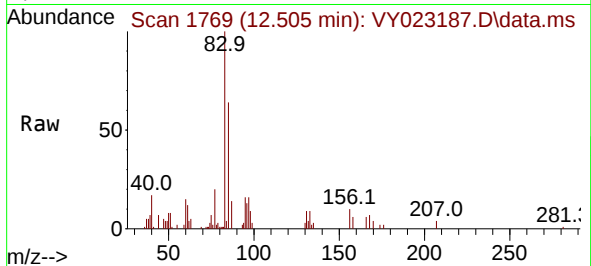




#75
1,1,2,2-Tetrachloroethane
Concen: 2.617 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

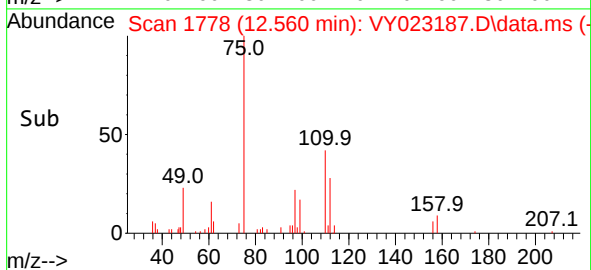
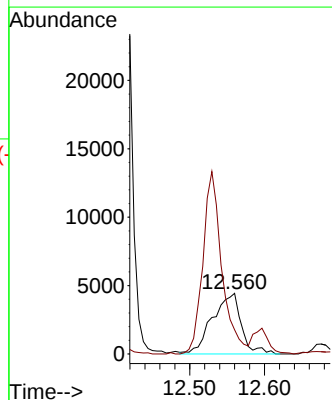
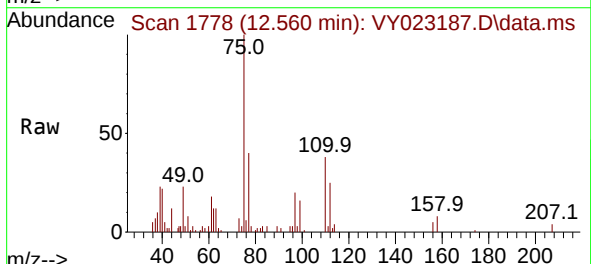
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

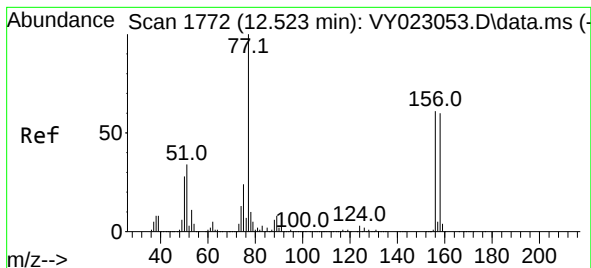
Tgt Ion: 83 Resp: 8938
Ion Ratio Lower Upper
83 100
131 9.7 5.1 15.3
85 67.6 31.8 95.3



#76
1,2,3-Trichloropropane
Concen: 4.346 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.012 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

Tgt Ion: 75 Resp: 11888
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 2.914 ug/l

RT: 12.529 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

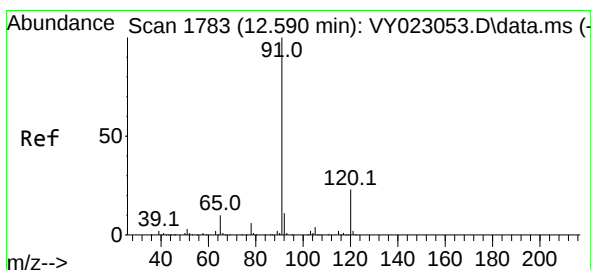
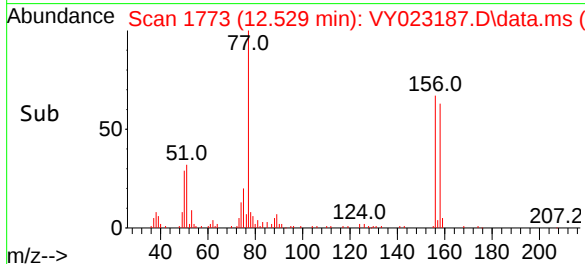
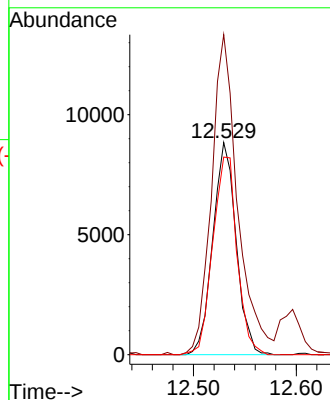
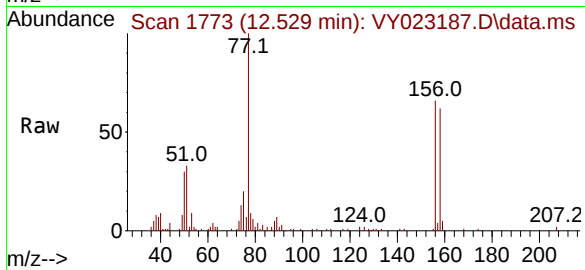
Tgt Ion:156 Resp: 13907

Ion Ratio Lower Upper

156 100

77 169.6 88.1 264.4

158 97.1 48.0 144.0



#78

n-propylbenzene

Concen: 2.603 ug/l

RT: 12.590 min Scan# 1783

Delta R.T. 0.000 min

Lab File: VY023187.D

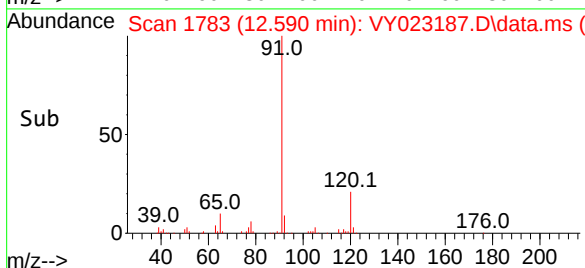
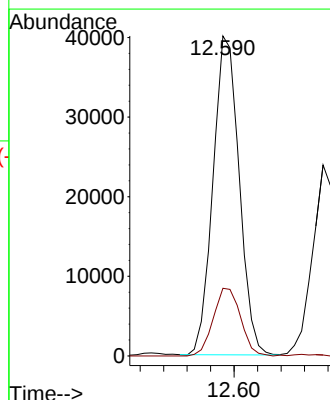
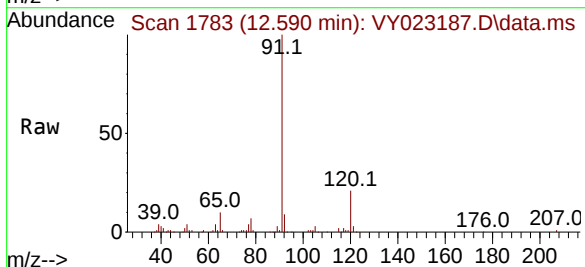
Acq: 22 Aug 2025 12:46

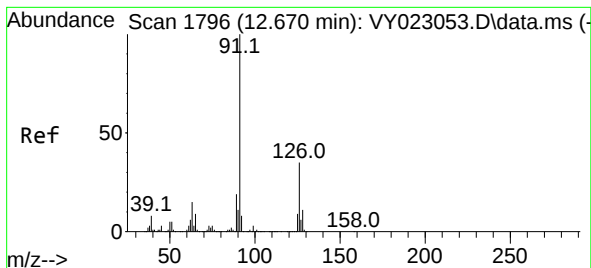
Tgt Ion: 91 Resp: 62006

Ion Ratio Lower Upper

91 100

120 22.1 11.5 34.5





#79

2-Chlorotoluene

Concen: 2.697 ug/l

RT: 12.676 min Scan# 1796

Delta R.T. 0.006 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Instrument :

MSVOA_Y

ClientSampleId :

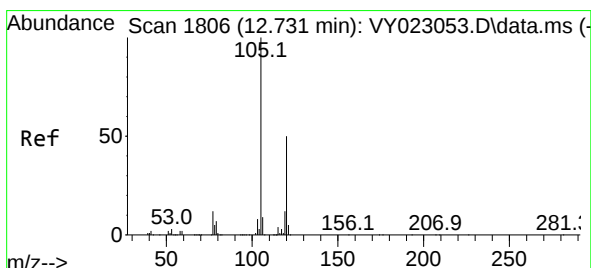
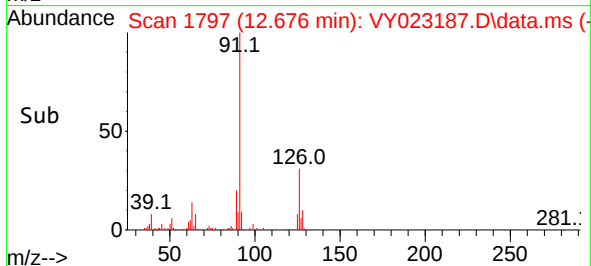
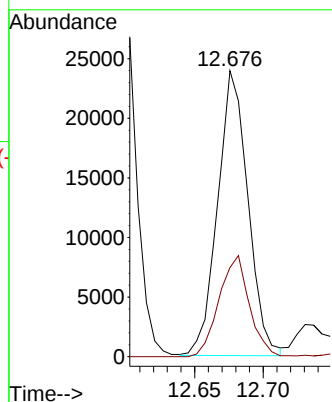
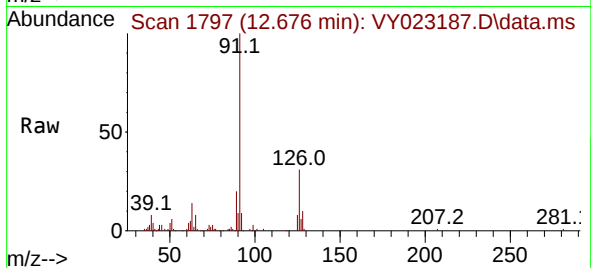
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 91 Resp: 36805

Ion Ratio Lower Upper

91 100

126 35.5 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 2.363 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023187.D

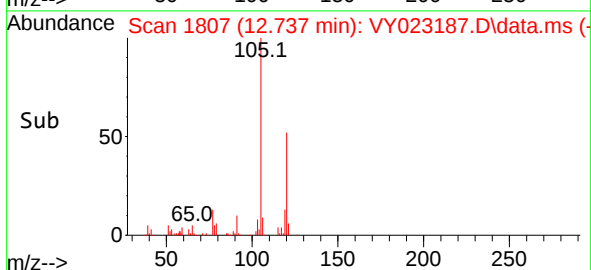
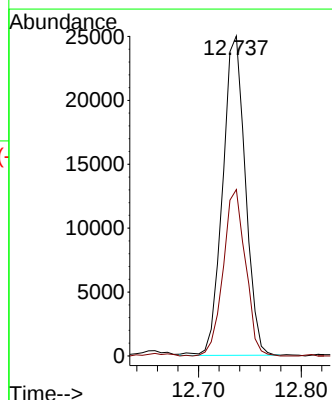
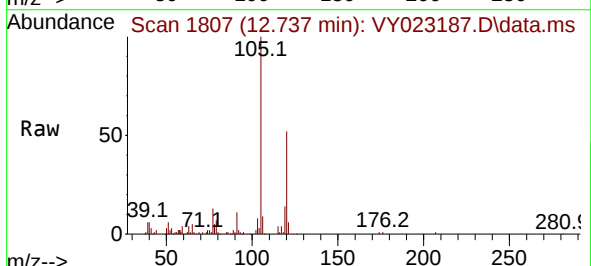
Acq: 22 Aug 2025 12:46

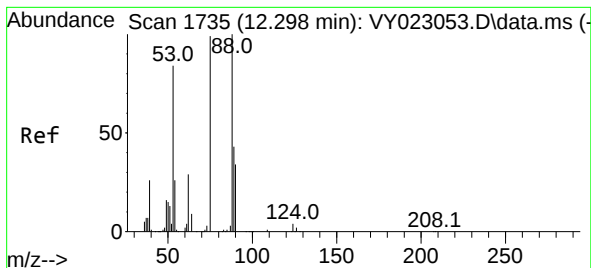
Tgt Ion: 105 Resp: 38201

Ion Ratio Lower Upper

105 100

120 51.3 24.8 74.4

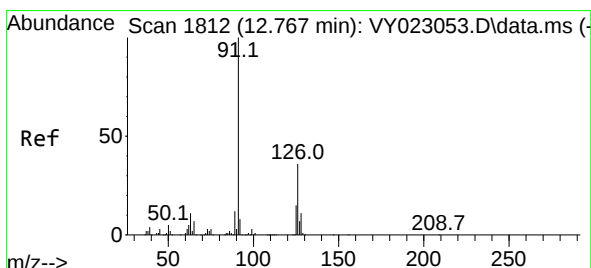
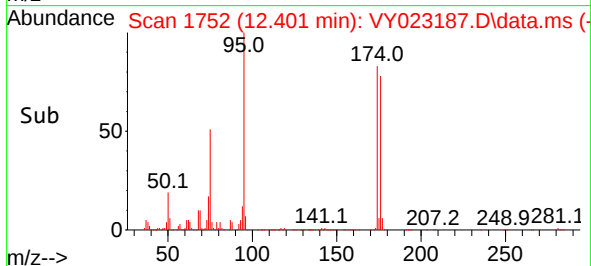
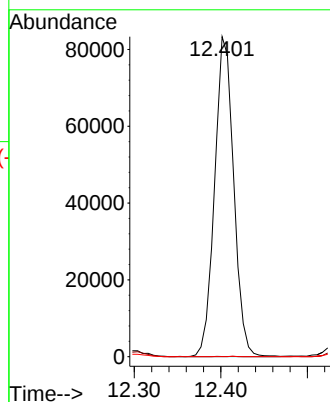
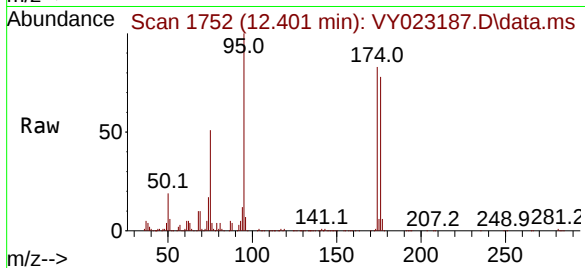




#81
trans-1,4-Dichloro-2-butene
Concen: 112.895 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

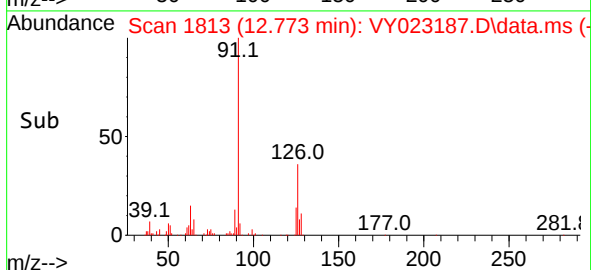
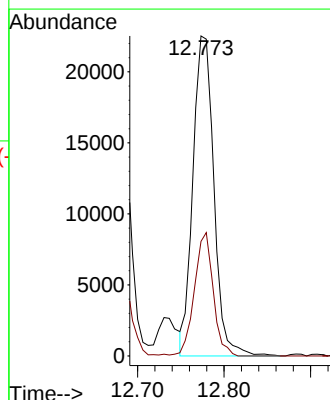
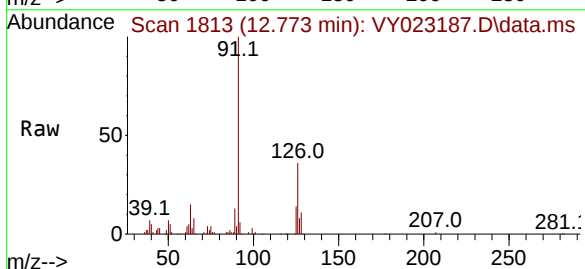
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

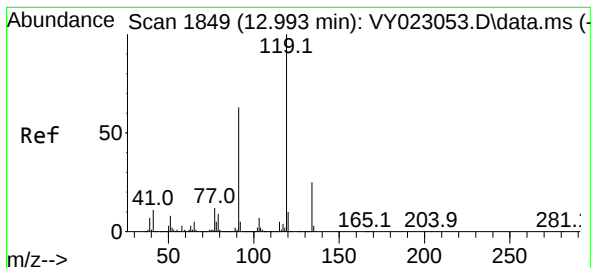
Tgt Ion: 75 Resp: 127585
Ion Ratio Lower Upper
75 100
53 0.1 70.8 106.2#
89 0.0 38.1 57.1#



#82
4-Chlorotoluene
Concen: 2.677 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

Tgt Ion: 91 Resp: 37900
Ion Ratio Lower Upper
91 100
126 34.8 17.3 52.0





#83

tert-Butylbenzene

Concen: 2.449 ug/l

RT: 12.993 min Scan# 119

Delta R.T. 0.000 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

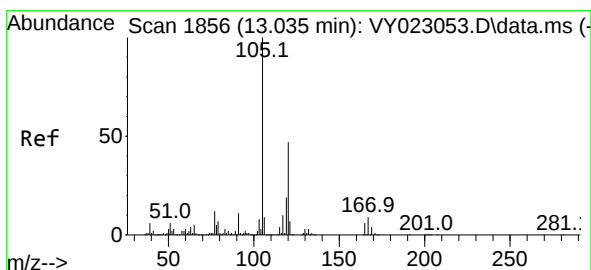
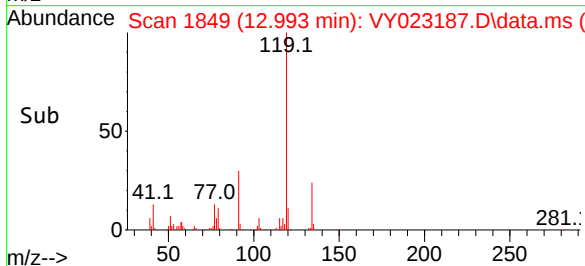
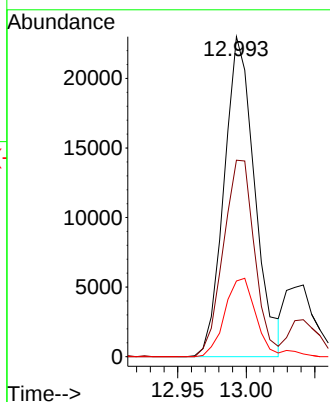
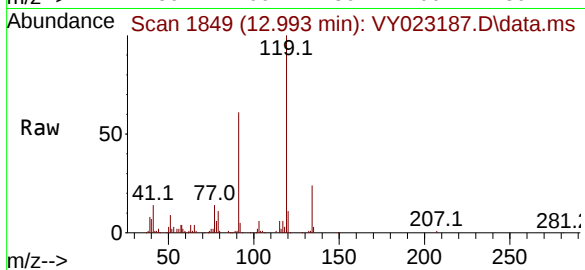
Tgt Ion:119 Resp: 35759

Ion Ratio Lower Upper

119 100

91 62.7 31.6 94.8

134 25.6 12.9 38.7



#84

1,2,4-Trimethylbenzene

Concen: 2.325 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.006 min

Lab File: VY023187.D

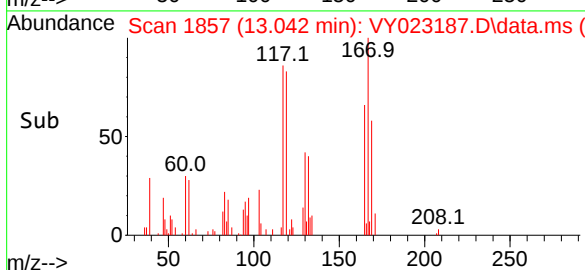
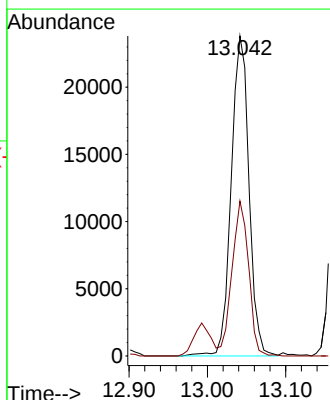
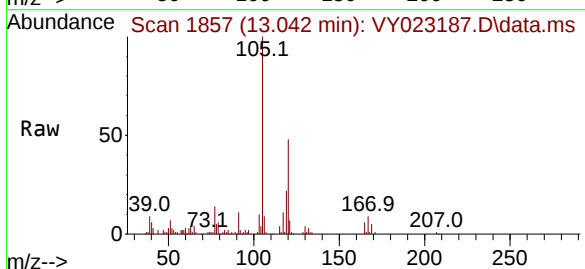
Acq: 22 Aug 2025 12:46

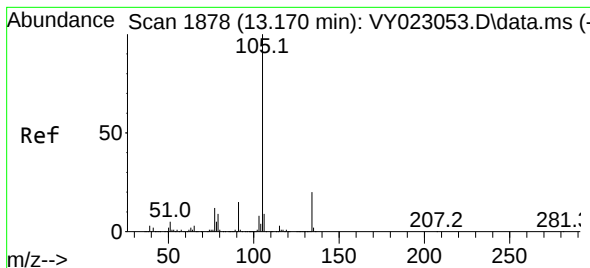
Tgt Ion:105 Resp: 37420

Ion Ratio Lower Upper

105 100

120 45.5 23.0 69.0





#85

sec-Butylbenzene

Concen: 2.502 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Instrument :

MSVOA_Y

ClientSampleId :

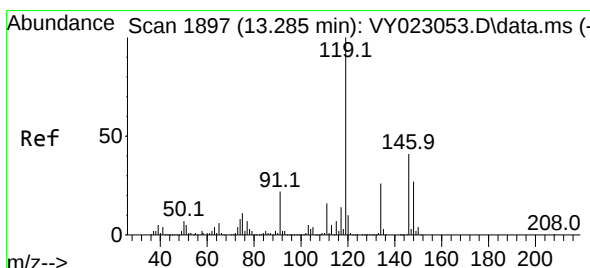
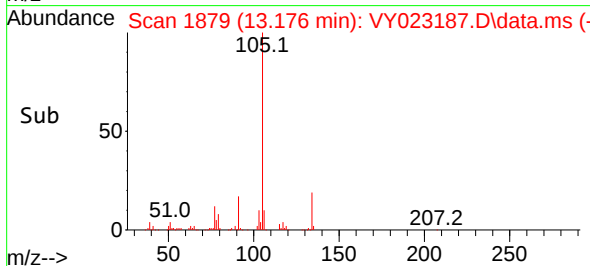
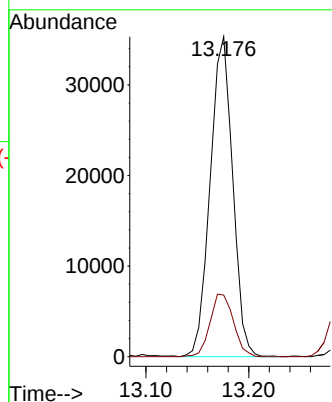
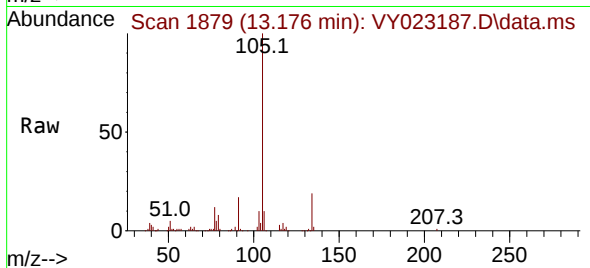
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:105 Resp: 53682

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.4



#86

p-Isopropyltoluene

Concen: 2.321 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

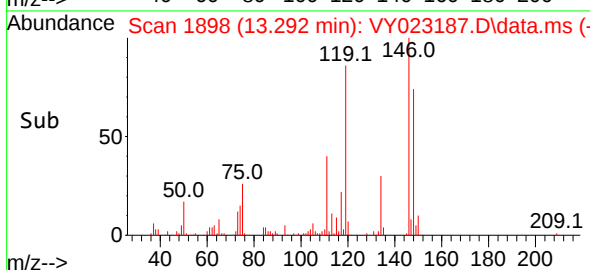
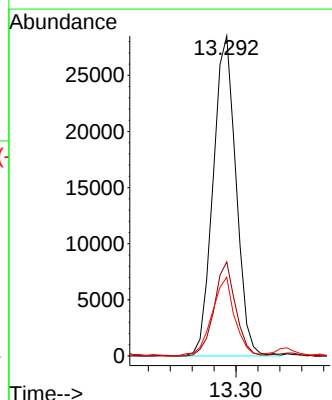
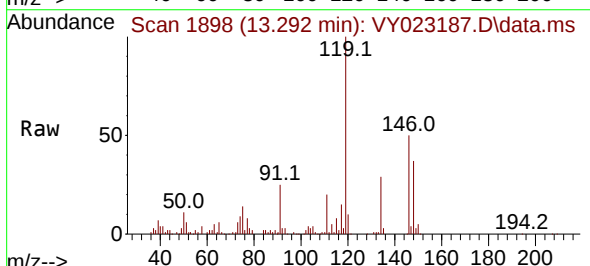
Tgt Ion:119 Resp: 41323

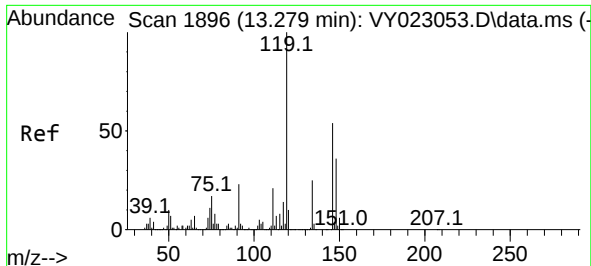
Ion Ratio Lower Upper

119 100

134 27.6 13.2 39.6

91 24.4 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 2.730 ug/l

RT: 13.285 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

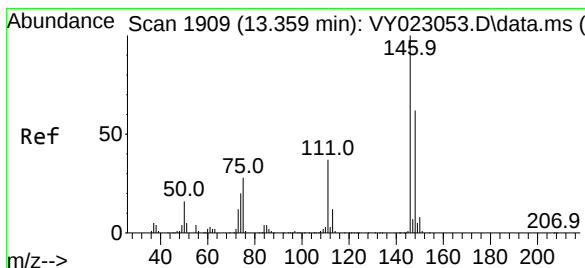
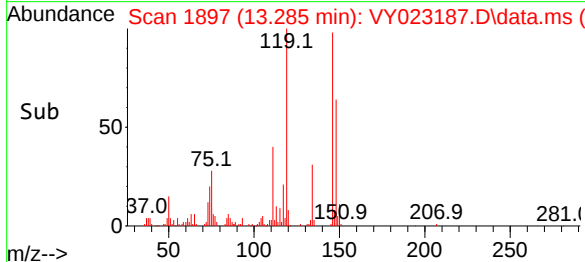
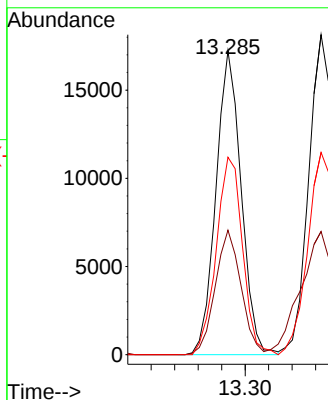
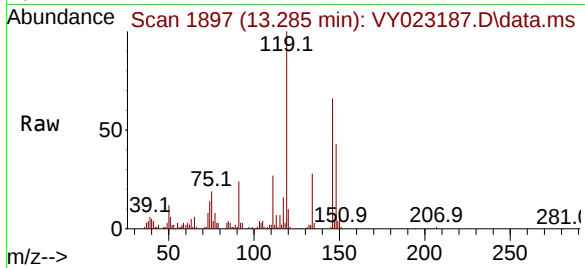
Tgt Ion:146 Resp: 25697

Ion Ratio Lower Upper

146 100

111 41.9 19.6 58.7

148 67.7 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 3.030 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.006 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

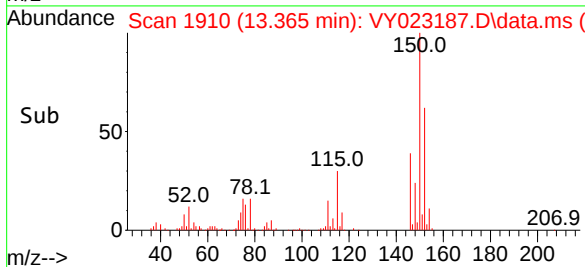
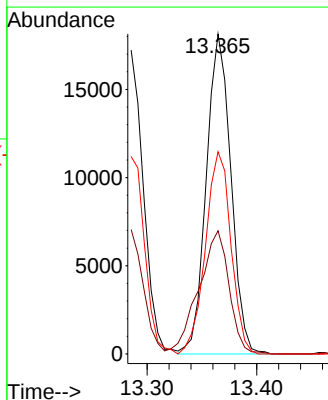
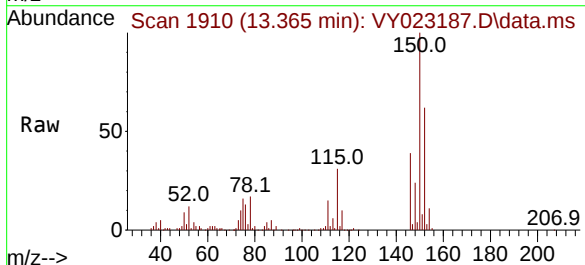
Tgt Ion:146 Resp: 28293

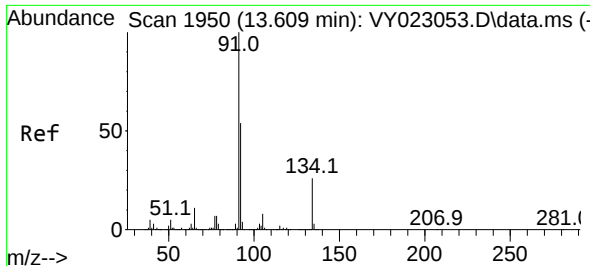
Ion Ratio Lower Upper

146 100

111 47.6 19.1 57.1

148 65.5 31.6 94.7

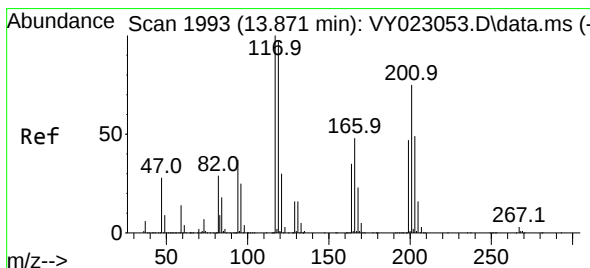
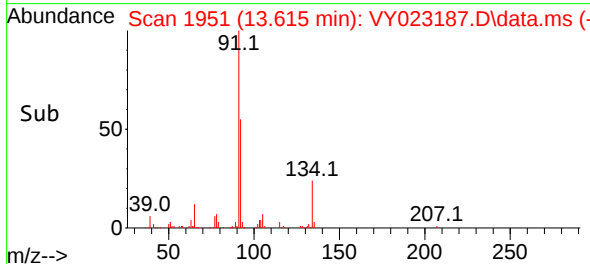
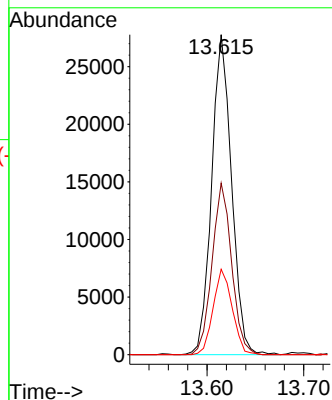
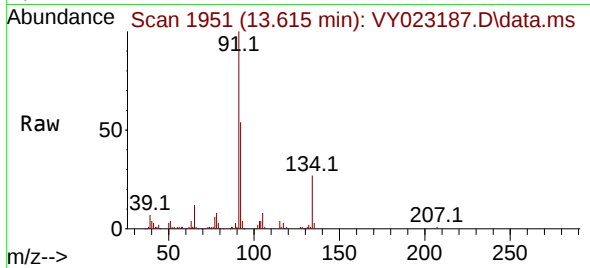




#89
n-Butylbenzene
Concen: 2.434 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

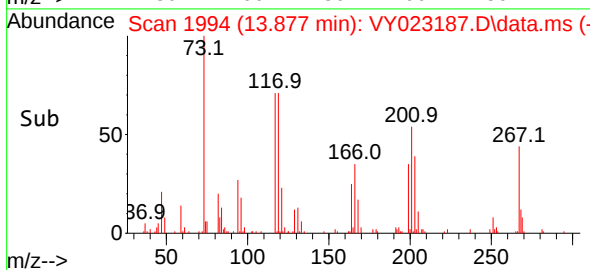
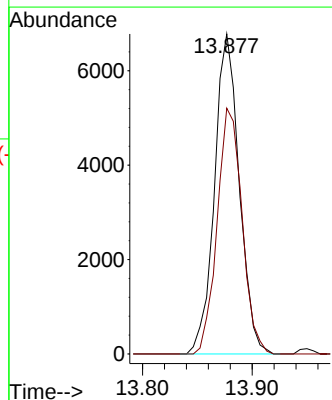
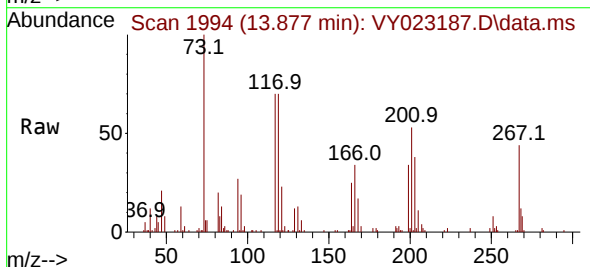
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

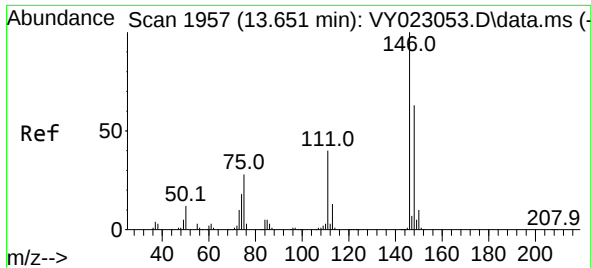
Tgt Ion:	91	Resp:	39810
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.9	80.7
134	25.5	13.2	39.5



#90
Hexachloroethane
Concen: 2.921 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

Tgt Ion:	117	Resp:	10647
Ion	Ratio	Lower	Upper
117	100		
201	77.2	38.4	115.1

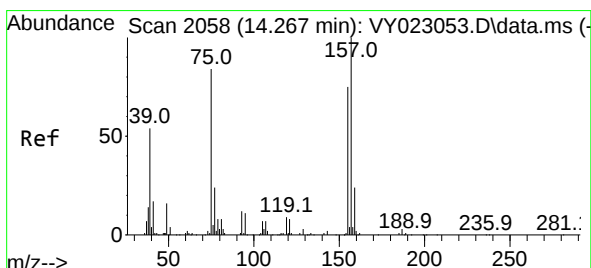
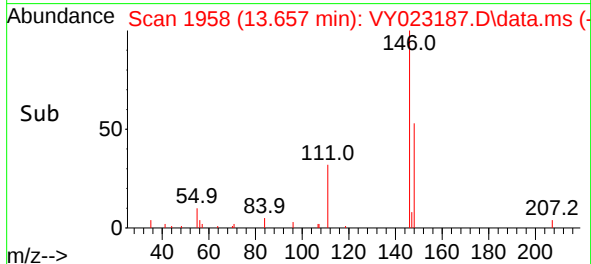
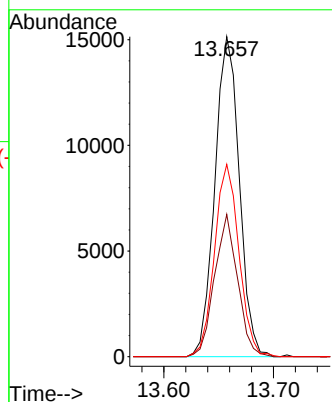
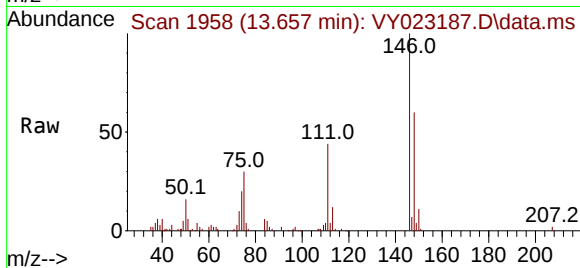




#91
1,2-Dichlorobenzene
Concen: 2.843 ug/l
RT: 13.657 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

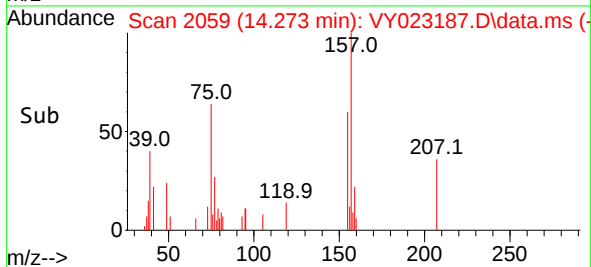
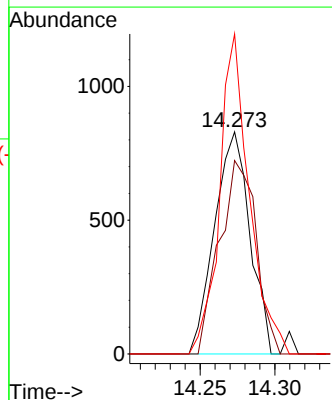
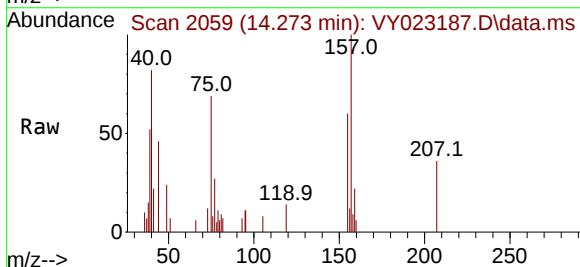
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

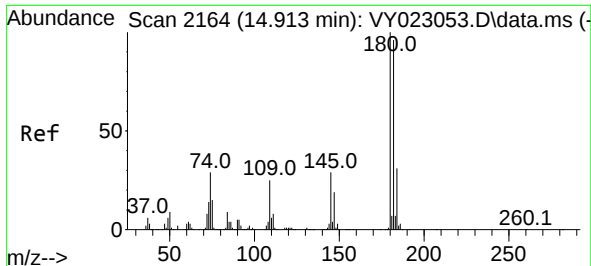
Tgt Ion:	146	Resp:	23464
Ion Ratio	Lower	Upper	
146	100		
111	42.0	20.3	60.8
148	60.3	32.2	96.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.559 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

Tgt Ion:	75	Resp:	1361
Ion Ratio	Lower	Upper	
75	100		
155	90.4	43.9	131.6
157	120.9	57.2	171.6

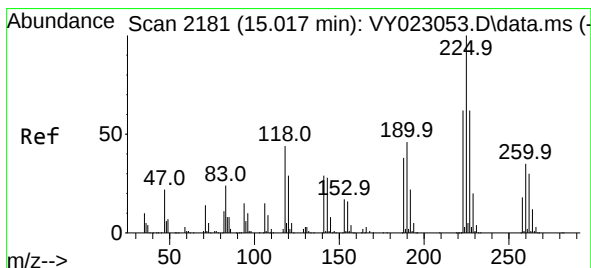
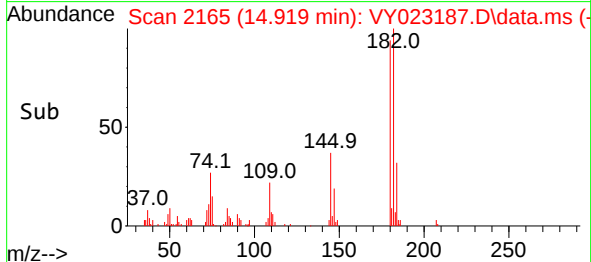
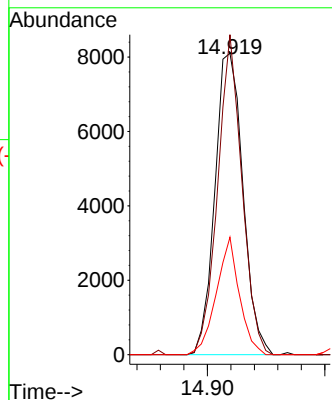
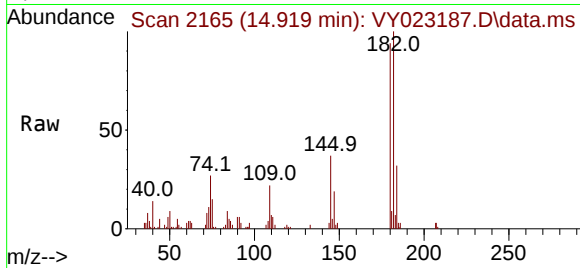




#93
1,2,4-Trichlorobenzene
Concen: 2.755 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

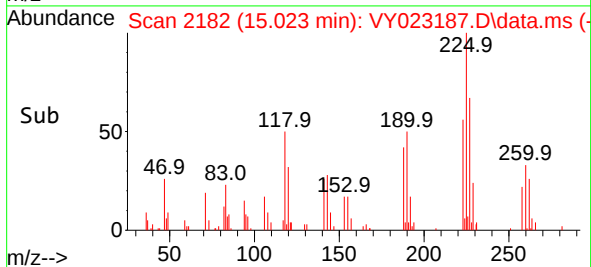
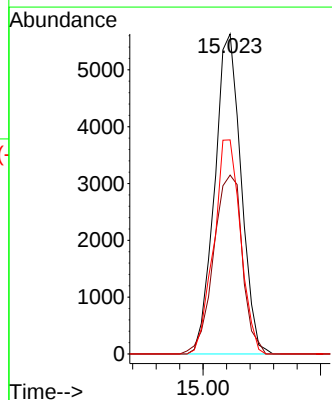
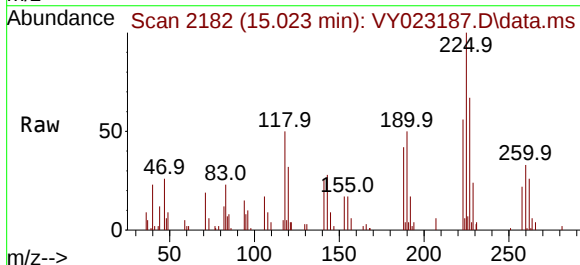
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:180 Resp: 13449
Ion Ratio Lower Upper
180 100
182 91.8 46.8 140.4
145 32.1 14.4 43.4



#94
Hexachlorobutadiene
Concen: 3.056 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023187.D
Acq: 22 Aug 2025 12:46

Tgt Ion:225 Resp: 8765
Ion Ratio Lower Upper
225 100
223 61.2 31.3 93.8
227 67.8 31.5 94.5





#95

Naphthalene

Concen: 2.347 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

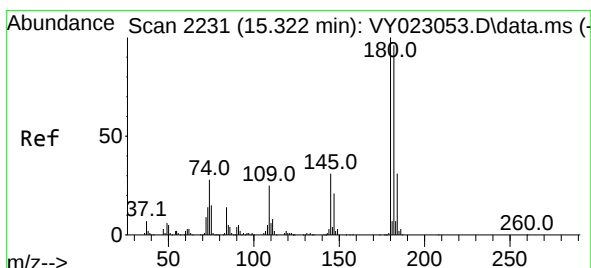
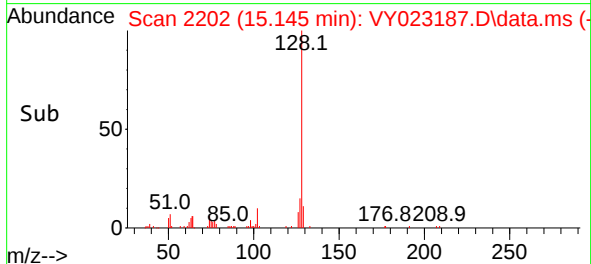
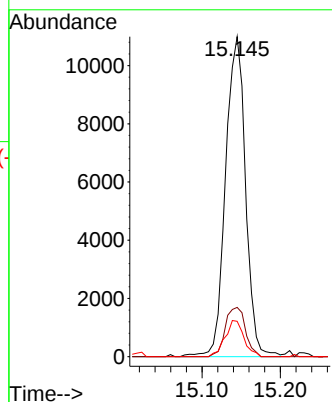
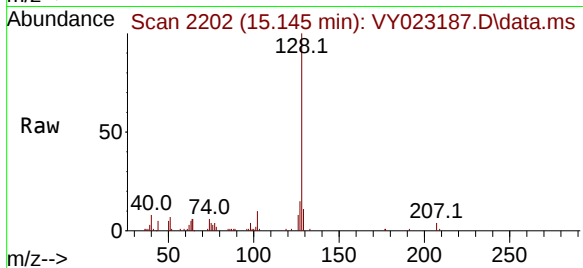
Tgt Ion:128 Resp: 19538

Ion Ratio Lower Upper

128 100

127 15.5 10.4 15.6

129 10.7 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 2.825 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY023187.D

Acq: 22 Aug 2025 12:46

Tgt Ion:180 Resp: 11883

Ion Ratio Lower Upper

180 100

182 93.5 47.9 143.7

145 32.0 15.9 47.7

