

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082925\
 Data File : VY023238.D
 Acq On : 29 Aug 2025 11:34
 Operator : SY/MD
 Sample : Q2983-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

Quant Time: Aug 30 01:30:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 30 01:27:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	433728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	704289	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	605940	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	292742	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	199699	48.310	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.620%
35) Dibromofluoromethane	7.640	113	209026	49.600	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.200%
50) Toluene-d8	10.109	98	762844	46.336	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.680%
62) 4-Bromofluorobenzene	12.401	95	228368	43.133	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.260%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.866	85	13733	3.879	ug/l	94
3) Chloromethane	2.074	50	22216	3.874	ug/l	97
4) Vinyl Chloride	2.208	62	27877	3.933	ug/l	99
5) Bromomethane	2.598	94	27239	5.146	ug/l	90
6) Chloroethane	2.738	64	20524	4.355	ug/l	100
7) Trichlorofluoromethane	3.061	101	36355	4.218	ug/l	97
8) Diethyl Ether	3.458	74	14422	6.325	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.823	101	19963	4.695	ug/l	99
10) Methyl Iodide	4.006	142	16406	3.576	ug/l	95
11) Tert butyl alcohol	4.860	59	5711	20.163	ug/l	99
12) 1,1-Dichloroethene	3.793	96	18211	4.357	ug/l	83
13) Acrolein	3.659	56	558	1.345	ug/l	99
14) Allyl chloride	4.390	41	22173	3.605	ug/l	96
15) Acrylonitrile	5.061	53	18621	20.086	ug/l	94
16) Acetone	3.872	43	22328	24.932	ug/l	96
17) Carbon Disulfide	4.110	76	49851	3.658	ug/l	99
18) Methyl Acetate	4.384	43	13644	5.120	ug/l	94
19) Methyl tert-butyl Ether	5.128	73	40667	3.755	ug/l	97
20) Methylene Chloride	4.622	84	61068	11.360	ug/l	88
21) trans-1,2-Dichloroethene	5.122	96	19522	4.156	ug/l	89
22) Diisopropyl ether	6.018	45	46055	3.446	ug/l	91
23) Vinyl Acetate	5.963	43	113534	15.364	ug/l	98
24) 1,1-Dichloroethane	5.921	63	34509	4.224	ug/l	98
25) 2-Butanone	6.896	43	24146	19.825	ug/l	98
26) 2,2-Dichloropropane	6.890	77	30564	4.335	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	21315	3.925	ug/l	99
28) Bromochloromethane	7.250	49	13951	4.304	ug/l	99
29) Tetrahydrofuran	7.268	42	13119	17.377	ug/l	96
30) Chloroform	7.426	83	37183	4.413	ug/l	94
31) Cyclohexane	7.707	56	33293	4.324	ug/l #	74
32) 1,1,1-Trichloroethane	7.615	97	32831	4.391	ug/l	96
36) 1,1-Dichloropropene	7.835	75	24790	3.958	ug/l	99
37) Ethyl Acetate	6.994	43	9635	3.662	ug/l	98
38) Carbon Tetrachloride	7.823	117	28238	4.151	ug/l	93
39) Methylcyclohexane	9.115	83	30510	3.699	ug/l	94
40) Benzene	8.085	78	81056	4.199	ug/l	97

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.268	41	13267	8.738	ug/l #	24
42) 1,2-Dichloroethane	8.158	62	20094	4.002	ug/l	98
43) Isopropyl Acetate	8.195	43	18647	3.507	ug/l	95
44) Trichloroethene	8.871	130	22271	4.465	ug/l	94
45) 1,2-Dichloropropane	9.140	63	18109	4.077	ug/l	98
46) Dibromomethane	9.231	93	11219	4.401	ug/l	98
47) Bromodichloromethane	9.426	83	27762	4.232	ug/l	97
48) Methyl methacrylate	9.225	41	7375	2.898	ug/l #	78
49) 1,4-Dioxane	9.225	88	2531	84.674	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	45199	16.479	ug/l	99
52) Toluene	10.176	92	49085	4.004	ug/l	99
53) t-1,3-Dichloropropene	10.395	75	21969	3.698	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	25512	3.632	ug/l	94
55) 1,1,2-Trichloroethane	10.572	97	13880	4.069	ug/l	97
56) Ethyl methacrylate	10.438	69	14373	3.293	ug/l	99
57) 1,3-Dichloropropane	10.719	76	22571	3.902	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.713	63	31628	15.361	ug/l	97
59) 2-Hexanone	10.761	43	31325	16.772	ug/l	95
60) Dibromochloromethane	10.914	129	19120	4.248	ug/l	99
61) 1,2-Dibromoethane	11.017	107	12902	4.024	ug/l	98
64) Tetrachloroethene	10.645	164	25908	4.788	ug/l	97
65) Chlorobenzene	11.444	112	54867	4.198	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.517	131	19665	4.433	ug/l	98
67) Ethyl Benzene	11.517	91	83025	3.691	ug/l	95
68) m/p-Xylenes	11.627	106	64480	7.340	ug/l	97
69) o-Xylene	11.956	106	29371	3.570	ug/l	98
70) Styrene	11.968	104	48313	3.591	ug/l	98
71) Bromoform	12.133	173	11825	4.561	ug/l #	98
73) Isopropylbenzene	12.255	105	76755	3.715	ug/l	98
74) N-amyl acetate	12.072	43	13256	3.025	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	14123	4.003	ug/l	96
76) 1,2,3-Trichloropropane	12.554	75	20103	7.115	ug/l #	100
77) Bromobenzene	12.529	156	20740	4.208	ug/l	96
78) n-propylbenzene	12.596	91	95489	3.882	ug/l	99
79) 2-Chlorotoluene	12.676	91	56771	4.028	ug/l	100
80) 1,3,5-Trimethylbenzene	12.736	105	61553	3.686	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	3811	3.265	ug/l #	83
82) 4-Chlorotoluene	12.773	91	57205	3.913	ug/l	97
83) tert-Butylbenzene	12.999	119	55474	3.678	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	60295	3.627	ug/l	99
85) sec-Butylbenzene	13.175	105	82464	3.722	ug/l	99
86) p-Isopropyltoluene	13.291	119	64913	3.530	ug/l	98
87) 1,3-Dichlorobenzene	13.285	146	41020	4.220	ug/l	98
88) 1,4-Dichlorobenzene	13.364	146	43101	4.470	ug/l	93
89) n-Butylbenzene	13.614	91	60405	3.576	ug/l	96
90) Hexachloroethane	13.877	117	16892	4.487	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	36780	4.314	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2674	4.868	ug/l	92
93) 1,2,4-Trichlorobenzene	14.919	180	19892	3.946	ug/l	99
94) Hexachlorobutadiene	15.023	225	13266	4.478	ug/l	96
95) Naphthalene	15.145	128	29097	3.385	ug/l	98
96) 1,2,3-Trichlorobenzene	15.327	180	17776	4.092	ug/l	98

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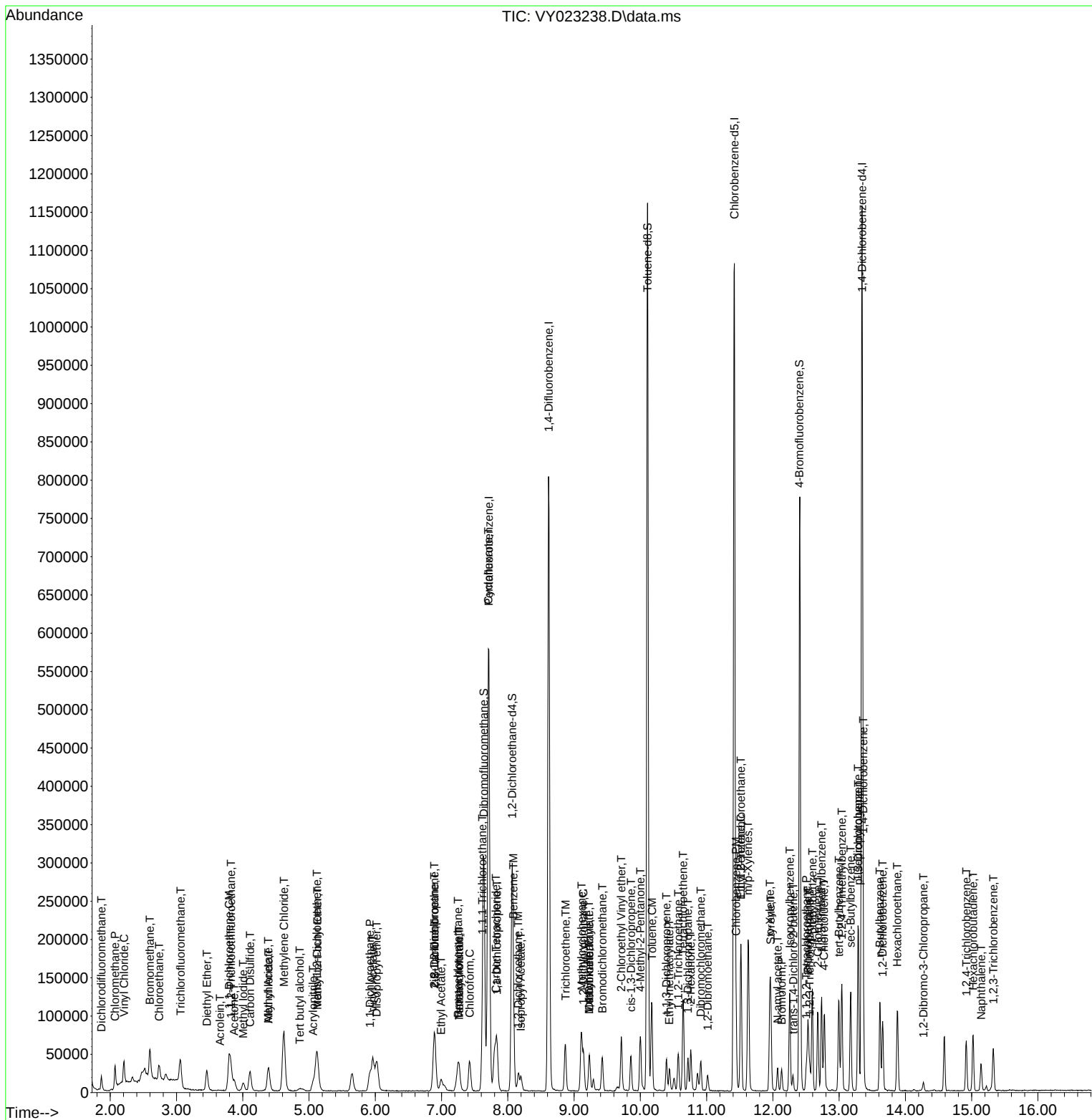
Quant Time: Aug 30 01:30:00 2025
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QLast Update : Sat Aug 30 01:27:05 2025
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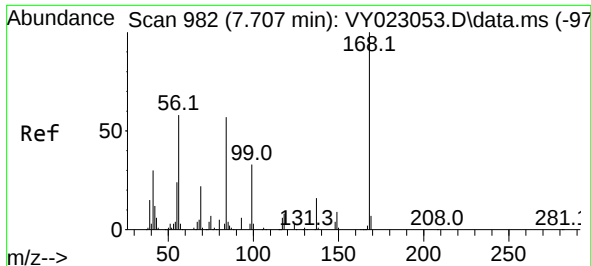
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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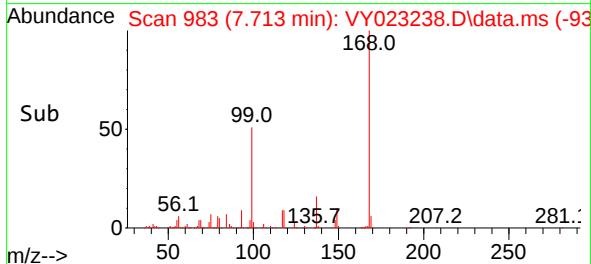
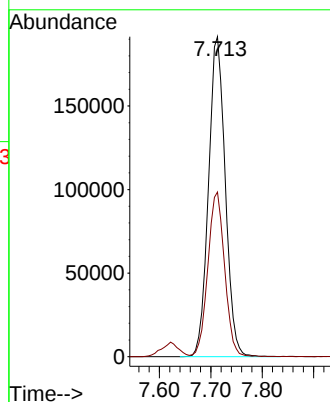
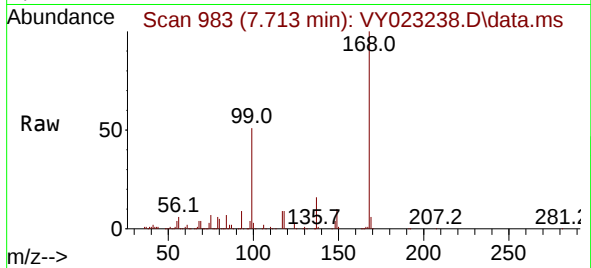




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023238.D
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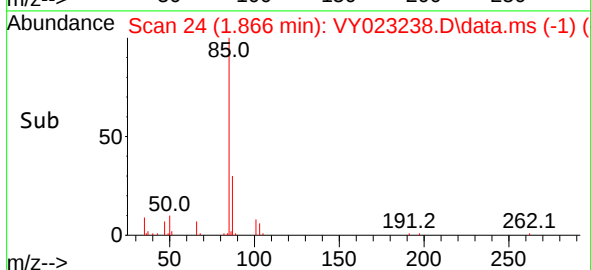
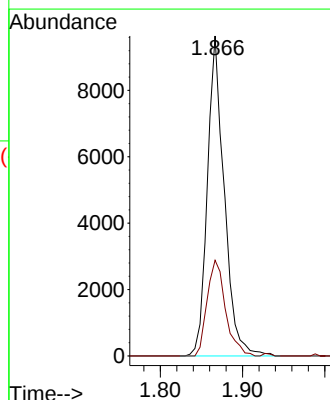
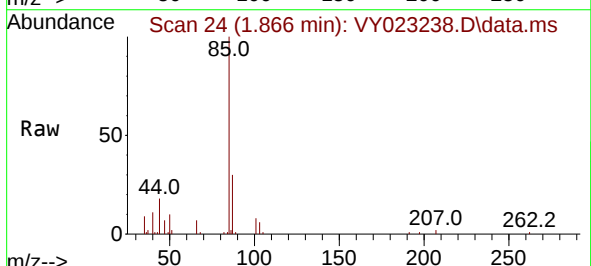
Instrument :
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ClientSampleId :
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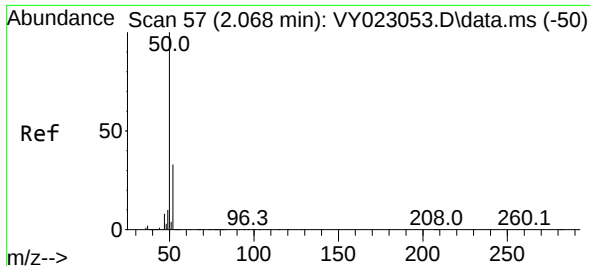
Tgt Ion:168 Resp: 433728
Ion Ratio Lower Upper
168 100
99 51.4 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 3.879 ug/l
RT: 1.866 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion: 85 Resp: 13733
Ion Ratio Lower Upper
85 100
87 29.9 16.6 49.8

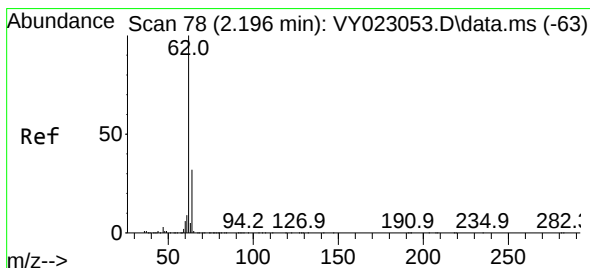
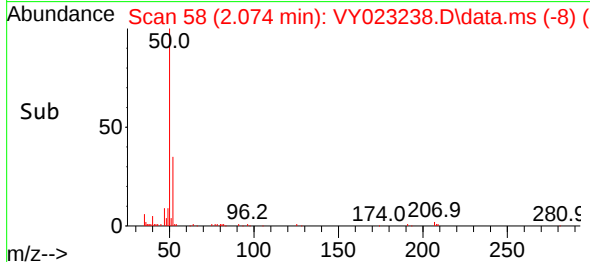
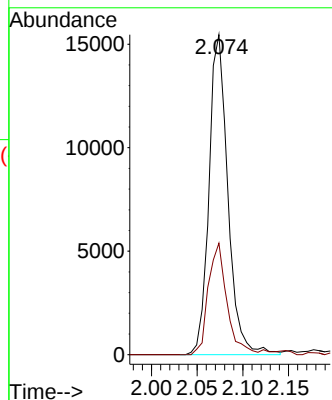
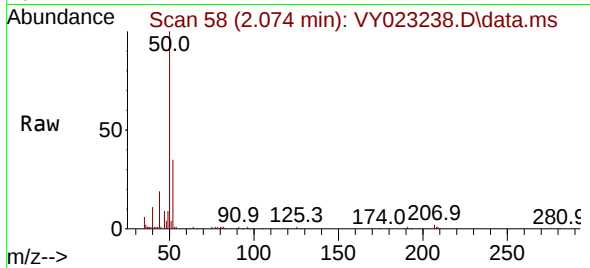




#3
Chloromethane
Concen: 3.874 ug/l
RT: 2.074 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

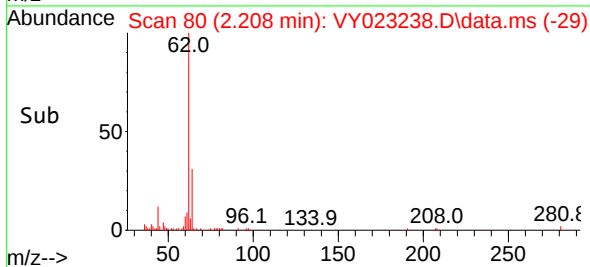
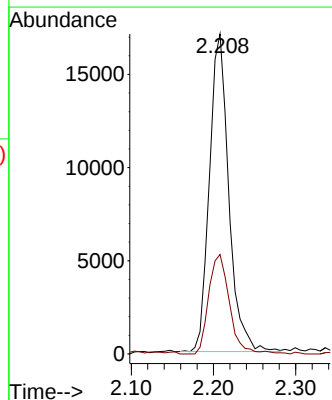
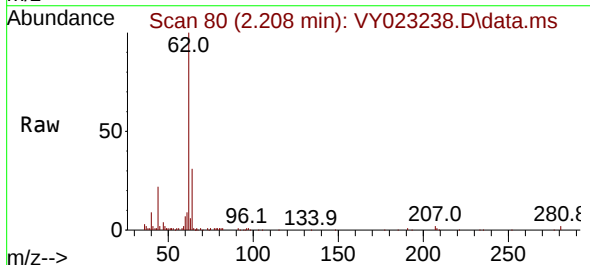
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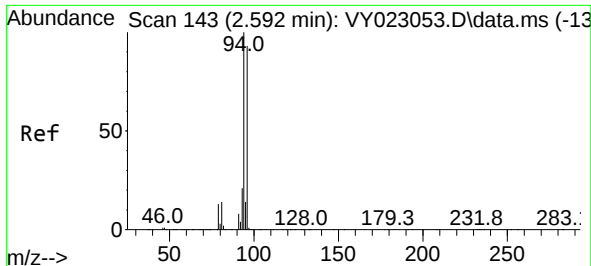
Tgt Ion: 50 Resp: 22216
Ion Ratio Lower Upper
50 100
52 34.8 26.7 40.1



#4
Vinyl Chloride
Concen: 3.933 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.012 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion: 62 Resp: 27877
Ion Ratio Lower Upper
62 100
64 31.3 25.4 38.0

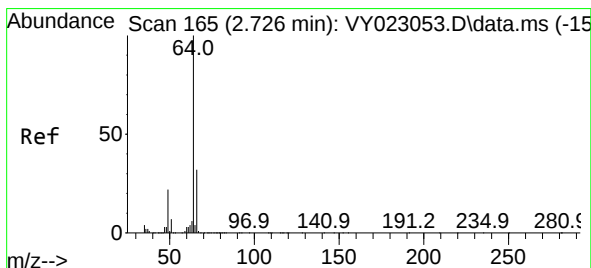
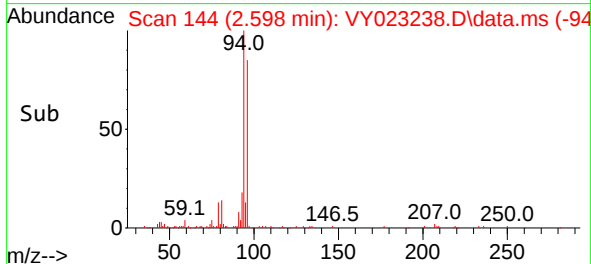
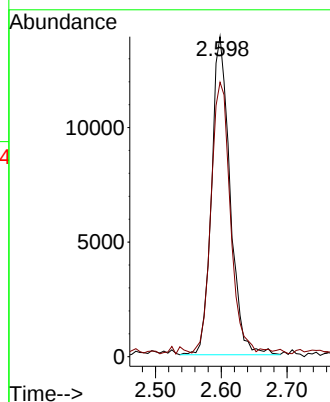
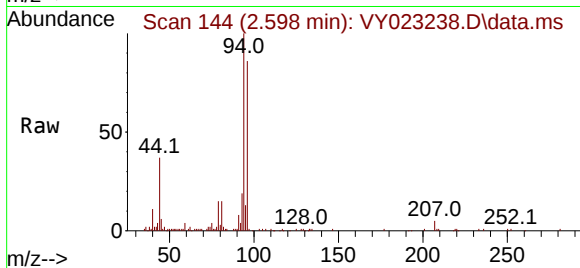




#5
Bromomethane
Concen: 5.146 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

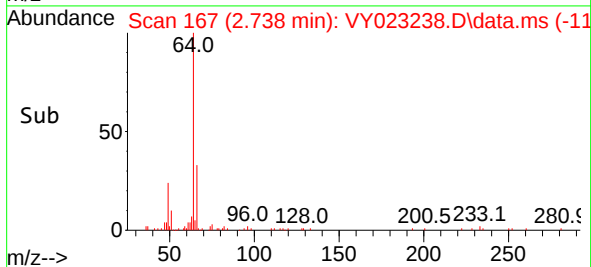
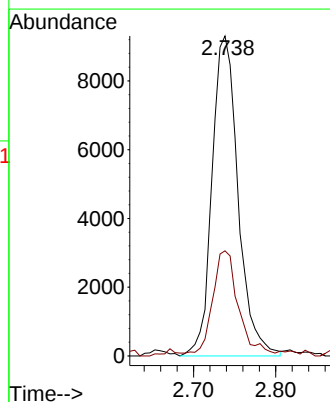
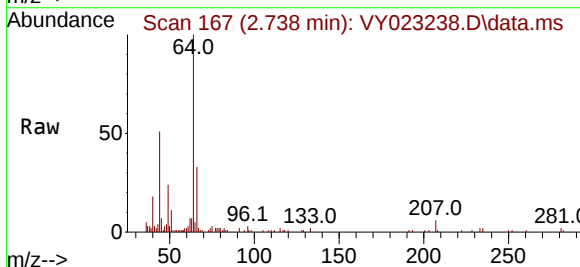
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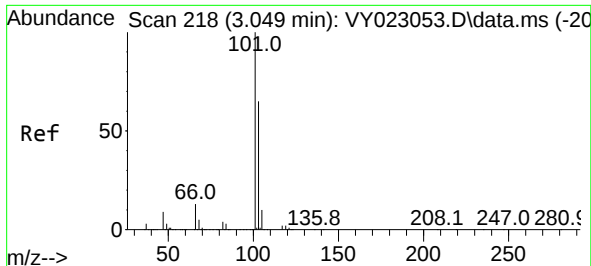
Tgt Ion: 94 Resp: 27239
Ion Ratio Lower Upper
94 100
96 84.0 74.6 112.0



#6
Chloroethane
Concen: 4.355 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.012 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion: 64 Resp: 20524
Ion Ratio Lower Upper
64 100
66 31.9 25.8 38.6

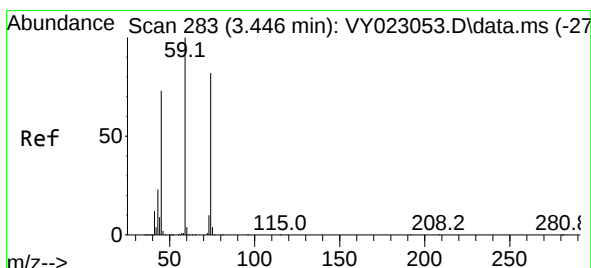
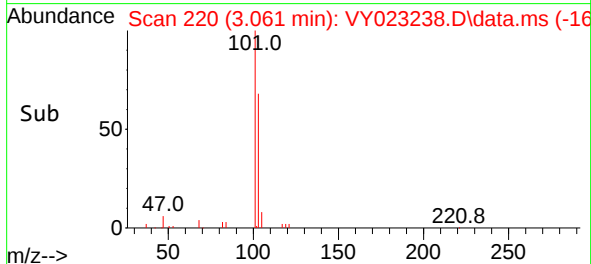
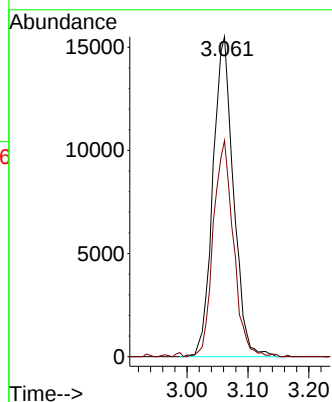
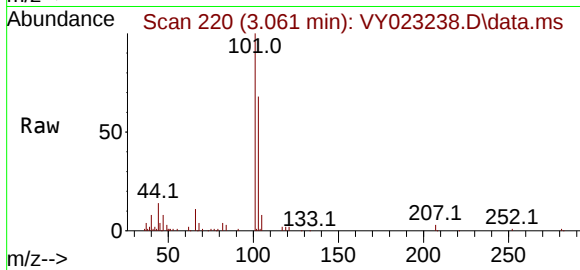




#7
Trichlorofluoromethane
Concen: 4.218 ug/l
RT: 3.061 min Scan# 218
Delta R.T. 0.012 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

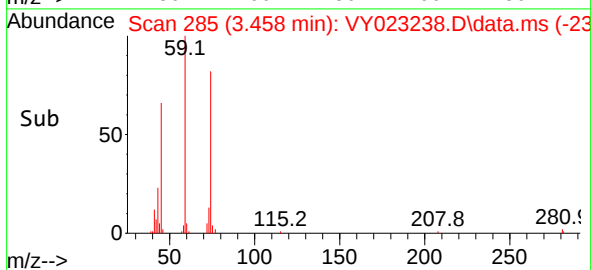
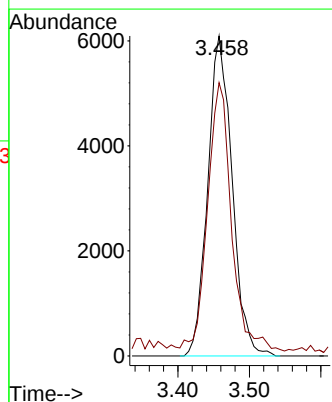
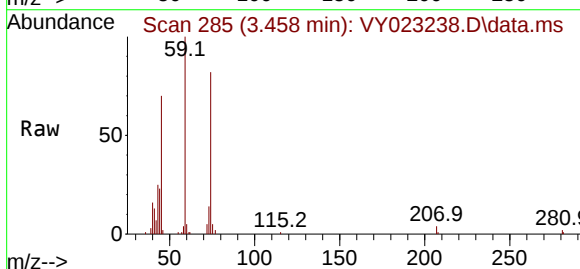
Instrument :
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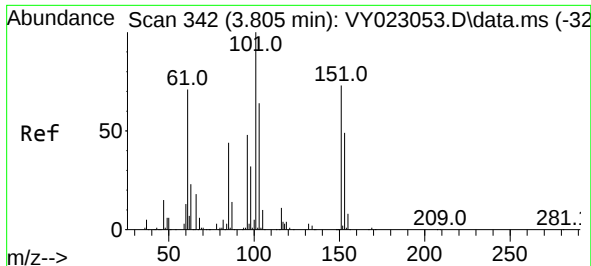
Tgt Ion:101 Resp: 36355
Ion Ratio Lower Upper
101 100
103 67.6 51.9 77.9



#8
Diethyl Ether
Concen: 6.325 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.012 min
Lab File: VY023238.D
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Tgt Ion: 74 Resp: 14422
Ion Ratio Lower Upper
74 100
45 82.1 44.4 133.2

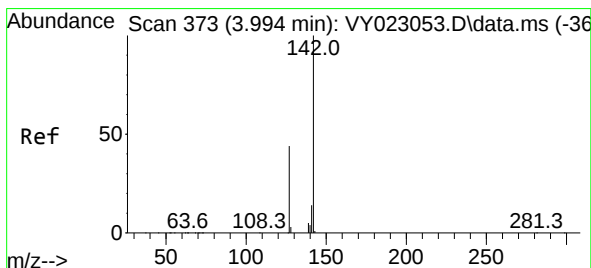
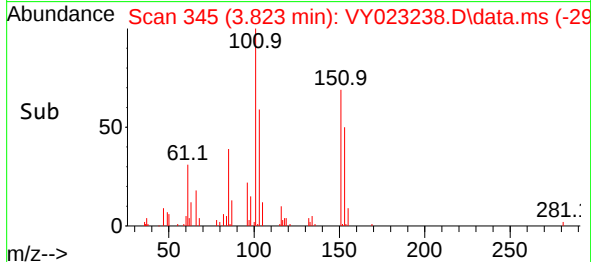
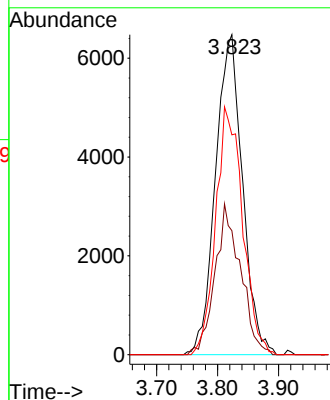
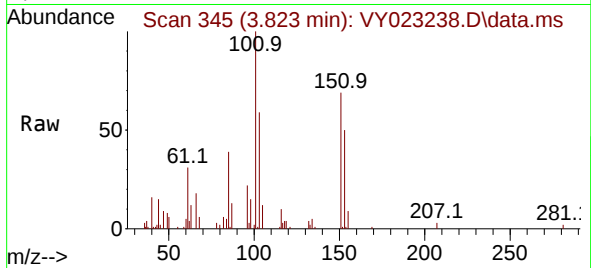




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.695 ug/l
RT: 3.823 min Scan# 34
Delta R.T. 0.018 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

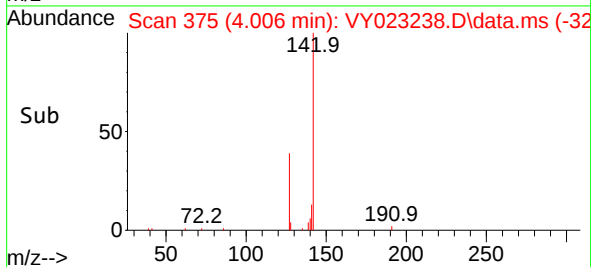
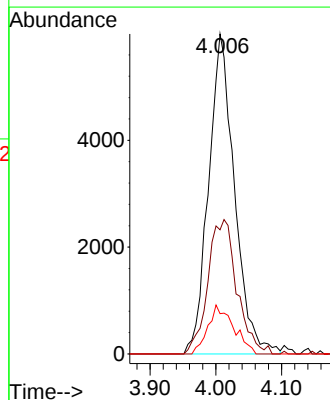
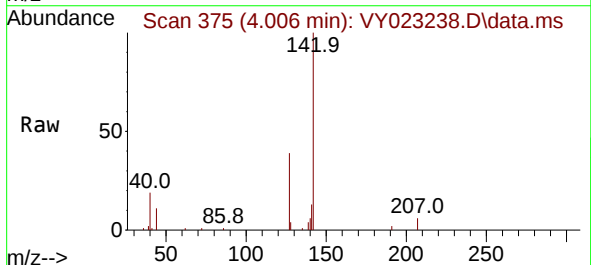
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion:101 Resp: 19963
Ion Ratio Lower Upper
101 100
85 44.6 36.3 54.5
151 77.0 61.5 92.3



#10
Methyl Iodide
Concen: 3.576 ug/l
RT: 4.006 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion:142 Resp: 16406
Ion Ratio Lower Upper
142 100
127 47.1 34.9 52.3
141 15.1 11.3 16.9





#11

Tert butyl alcohol

Concen: 20.163 ug/l

RT: 4.860 min Scan# 515

Delta R.T. -0.000 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

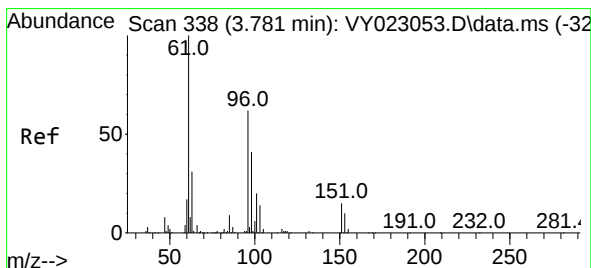
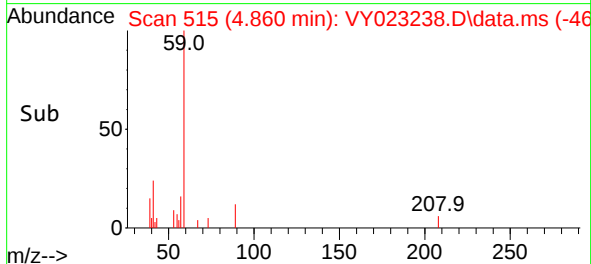
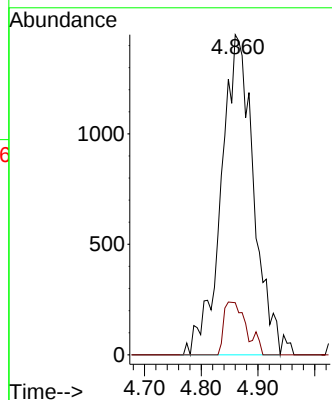
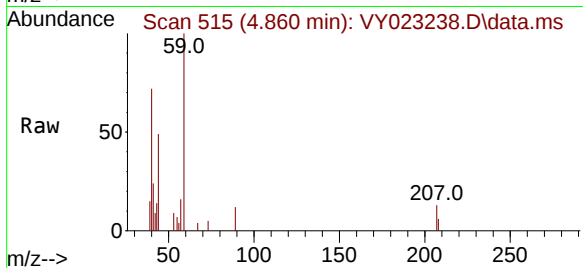
MDL-SOIL-03-QT3-2025

Tgt Ion: 59 Resp: 5711

Ion Ratio Lower Upper

59 100

57 10.4 8.6 13.0



#12

1,1-Dichloroethene

Concen: 4.357 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.012 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

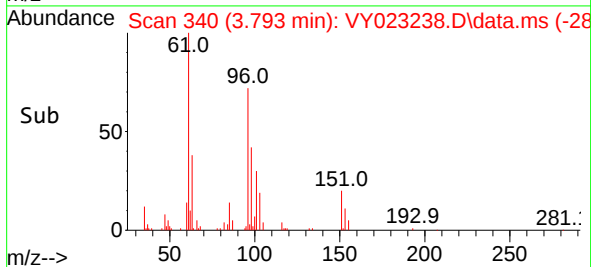
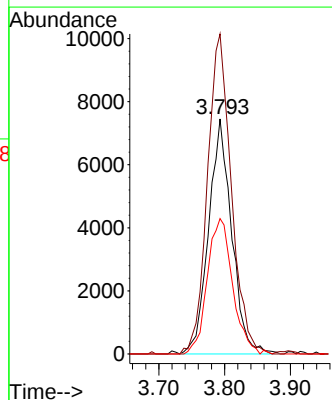
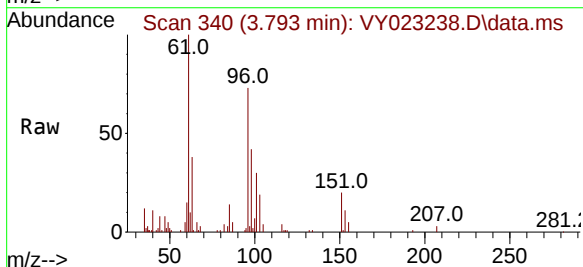
Tgt Ion: 96 Resp: 18211

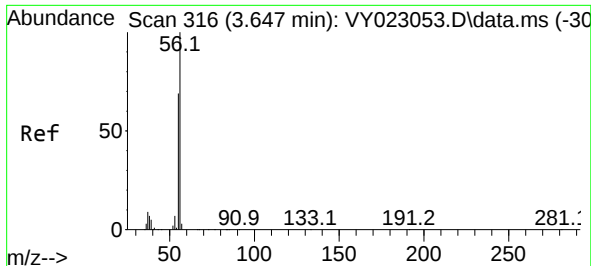
Ion Ratio Lower Upper

96 100

61 136.2 129.4 194.2

98 57.6 52.8 79.2





#13

Acrolein

Concen: 1.345 ug/l

RT: 3.659 min Scan# 316

Delta R.T. 0.012 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

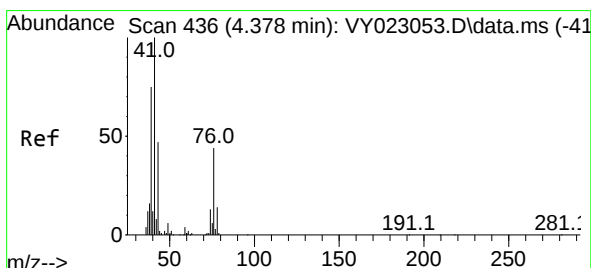
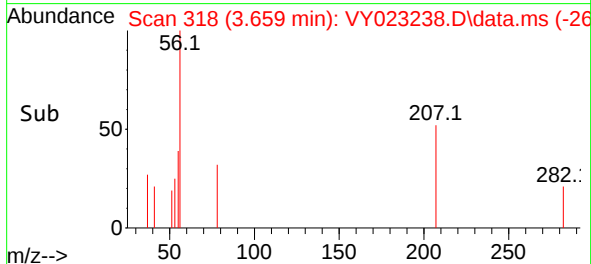
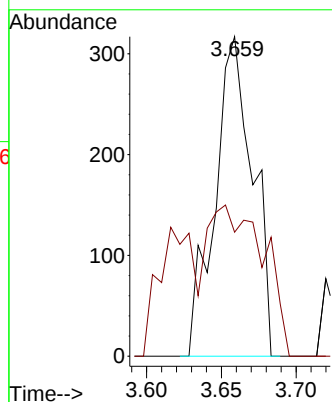
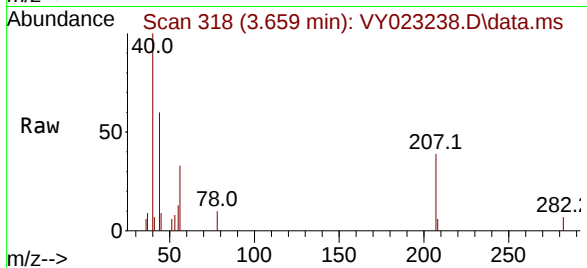
MDL-SOIL-03-QT3-2025

Tgt Ion: 56 Resp: 558

Ion Ratio Lower Upper

56 100

55 70.1 55.2 82.8



#14

Allyl chloride

Concen: 3.605 ug/l

RT: 4.390 min Scan# 438

Delta R.T. 0.012 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

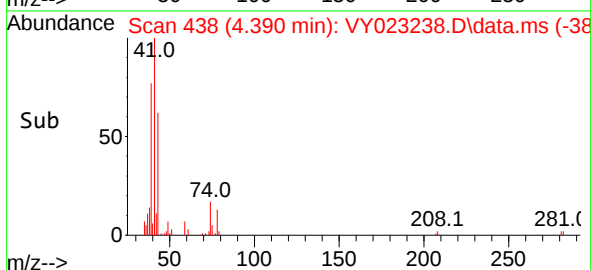
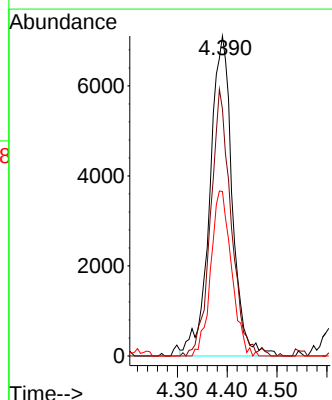
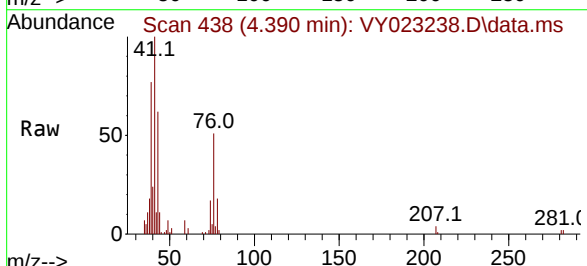
Tgt Ion: 41 Resp: 22173

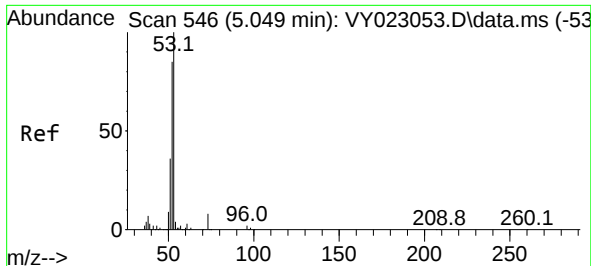
Ion Ratio Lower Upper

41 100

39 76.2 59.8 89.6

76 47.6 33.7 50.5

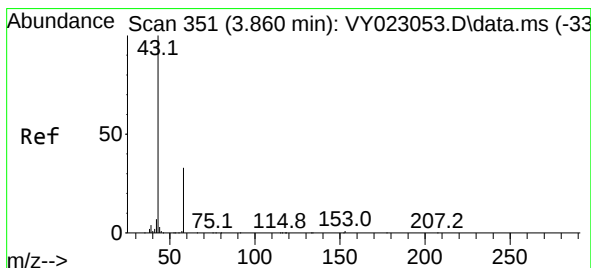
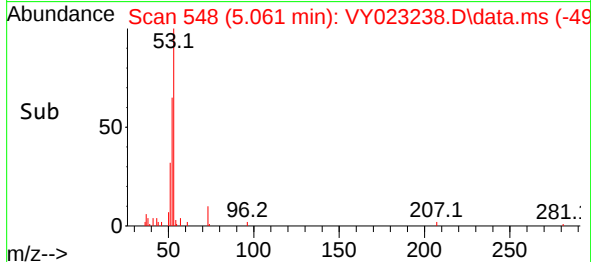
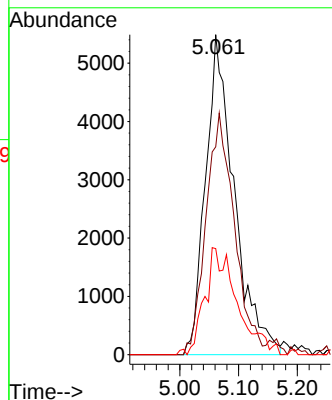
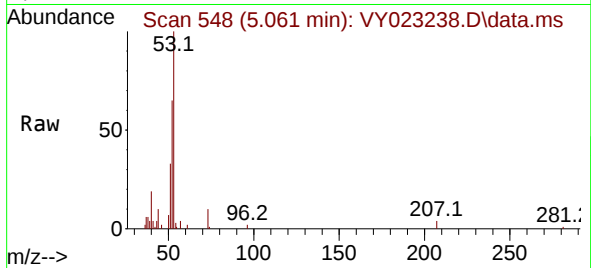




#15
Acrylonitrile
Concen: 20.086 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

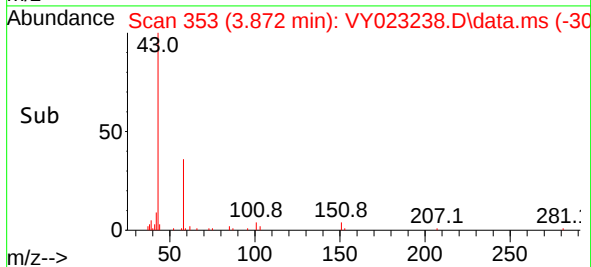
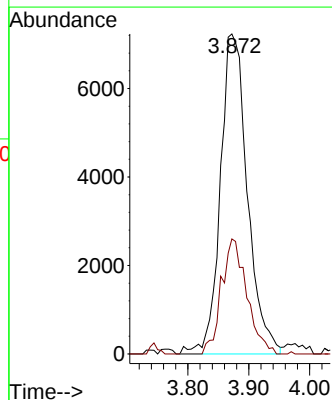
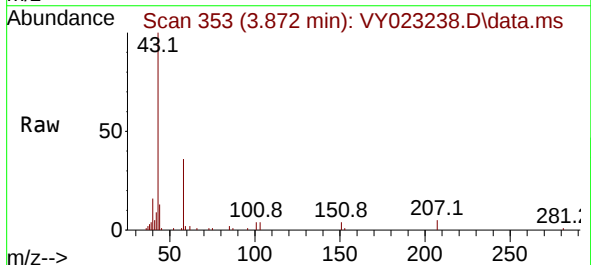
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion: 53 Resp: 18621
Ion Ratio Lower Upper
53 100
52 74.9 65.3 97.9
51 37.7 29.5 44.3



#16
Acetone
Concen: 24.932 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion: 43 Resp: 22328
Ion Ratio Lower Upper
43 100
58 36.0 27.1 40.7

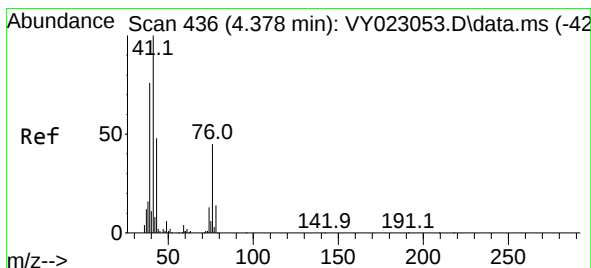
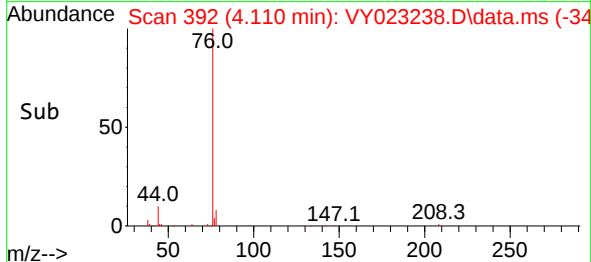
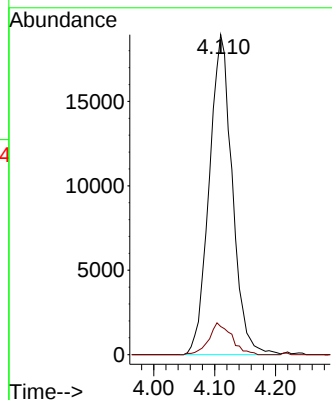
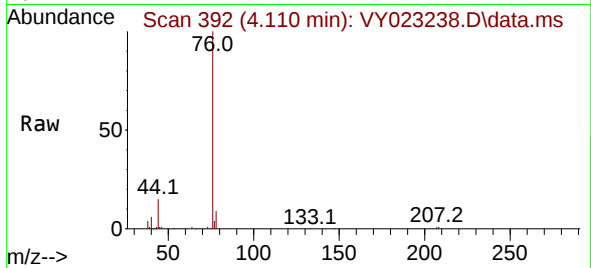




#17
Carbon Disulfide
Concen: 3.658 ug/l
RT: 4.110 min Scan# 390
Delta R.T. 0.012 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

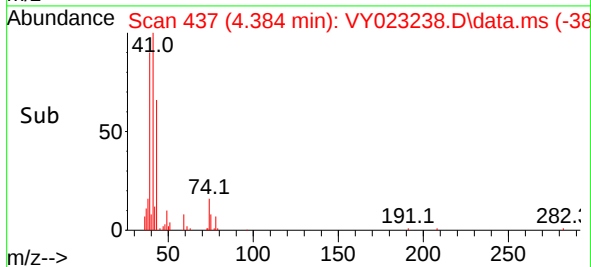
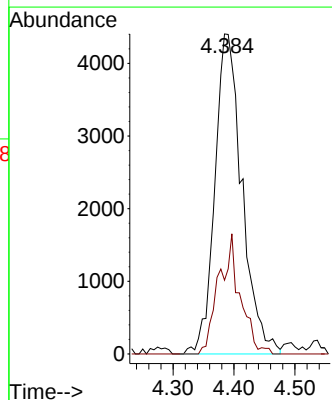
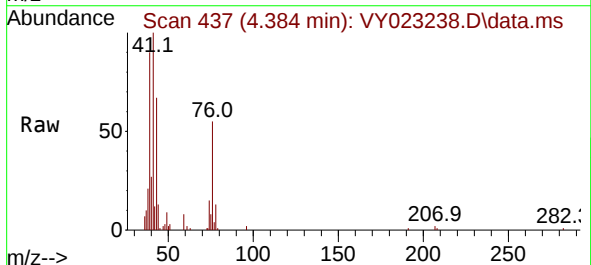
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

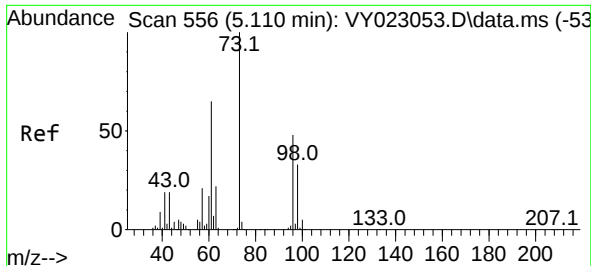
Tgt Ion: 76 Resp: 49851
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2



#18
Methyl Acetate
Concen: 5.120 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion: 43 Resp: 13644
Ion Ratio Lower Upper
43 100
74 29.7 21.2 31.8

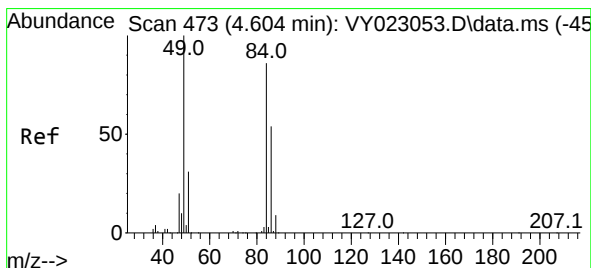
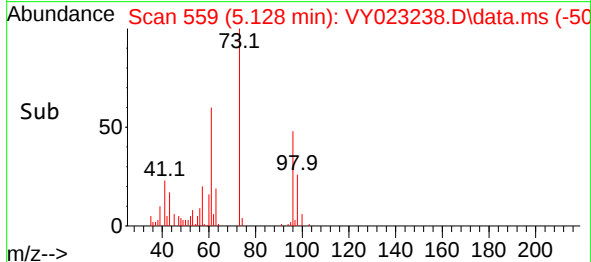
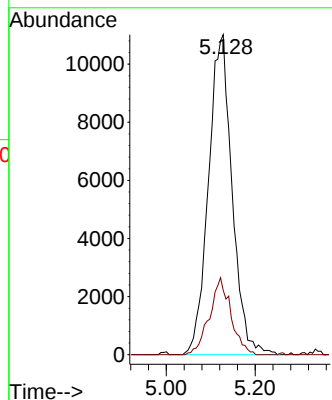
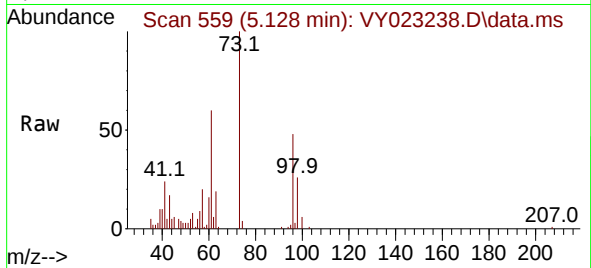




#19
Methyl tert-butyl Ether
Concen: 3.755 ug/l
RT: 5.128 min Scan# 51
Delta R.T. 0.018 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

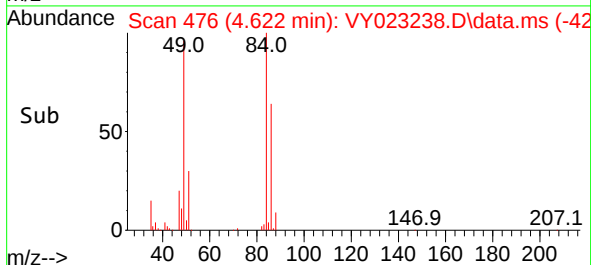
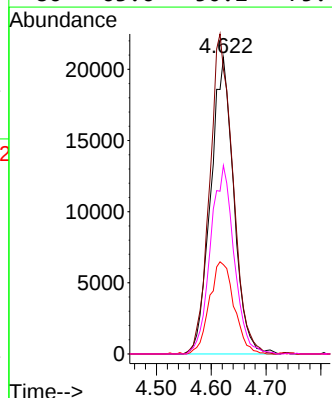
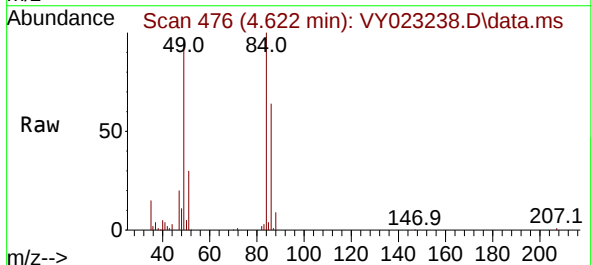
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

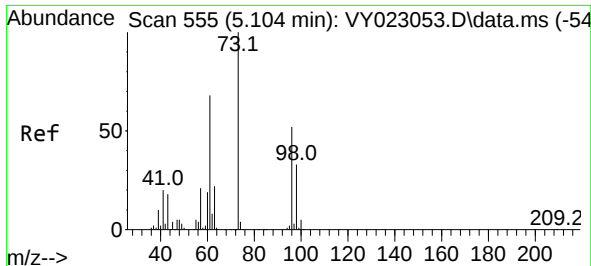
Tgt Ion: 73 Resp: 40667
Ion Ratio Lower Upper
73 100
57 20.1 17.1 25.7



#20
Methylene Chloride
Concen: 11.360 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.018 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion: 84 Resp: 61068
Ion Ratio Lower Upper
84 100
49 96.1 93.0 139.6
51 29.8 29.0 43.4
86 63.6 50.2 75.4

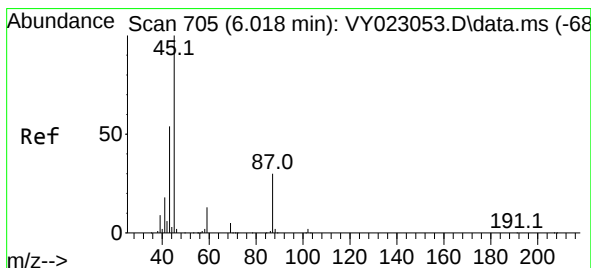
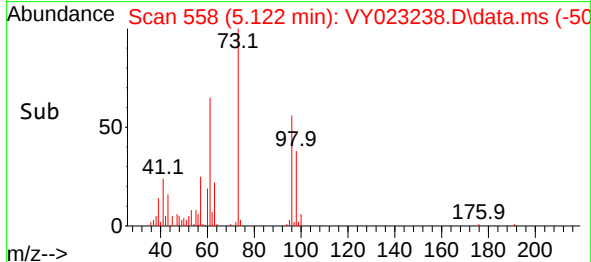
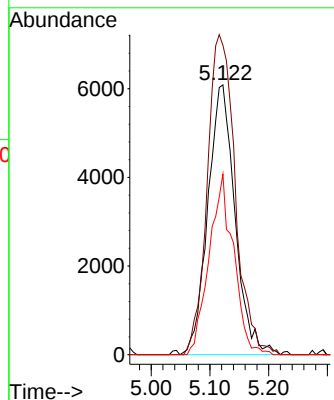
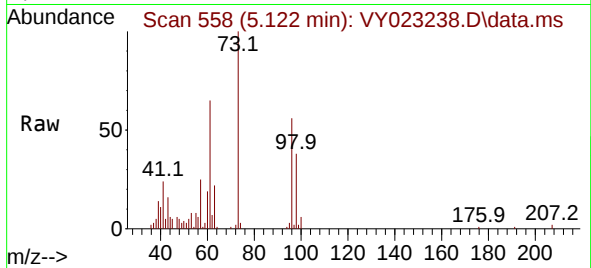




#21
trans-1,2-Dichloroethene
Concen: 4.156 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.018 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

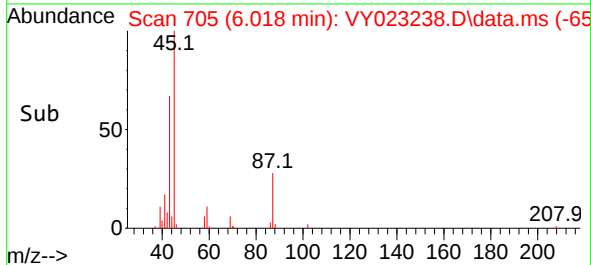
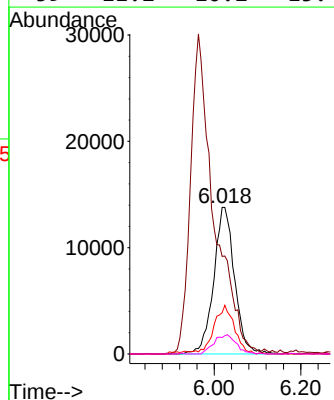
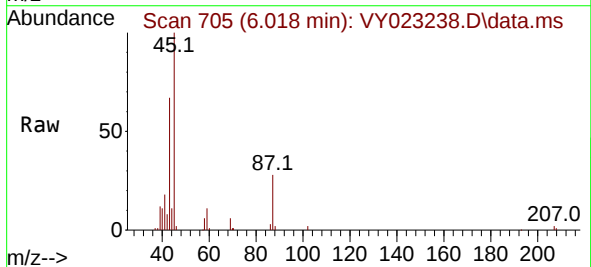
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion: 96 Resp: 19522
Ion Ratio Lower Upper
96 100
61 114.7 104.8 157.2
98 67.0 50.1 75.1



#22
Diisopropyl ether
Concen: 3.446 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion: 45 Resp: 46055
Ion Ratio Lower Upper
45 100
43 63.9 43.4 65.0
87 28.1 24.4 36.6
59 11.2 10.2 15.4

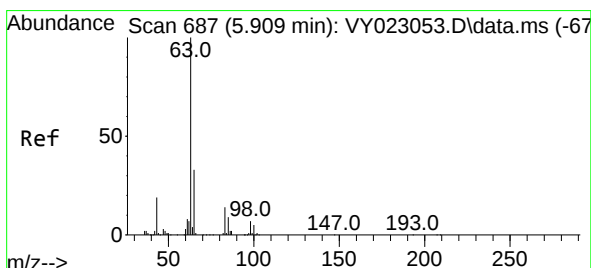
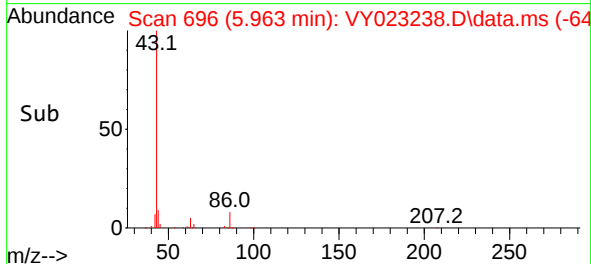
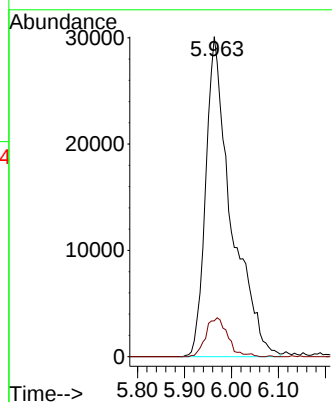
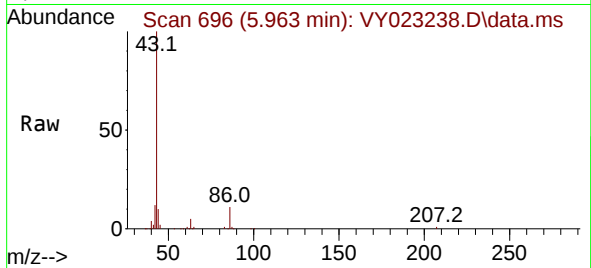




#23
 Vinyl Acetate
 Concen: 15.364 ug/l
 RT: 5.963 min Scan# 694
 Delta R.T. 0.012 min
 Lab File: VY023238.D
 Acq: 29 Aug 2025 11:34

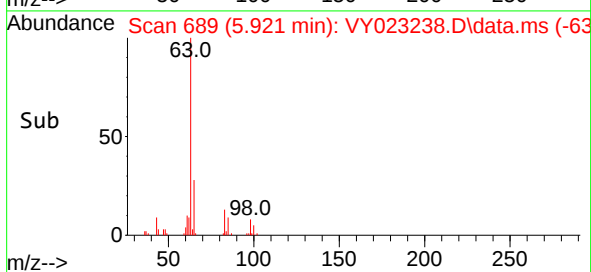
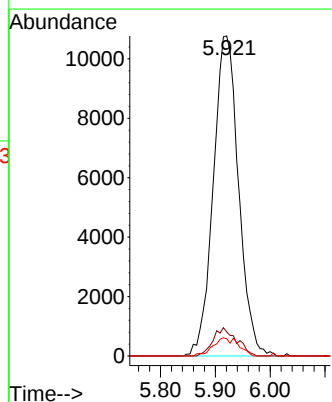
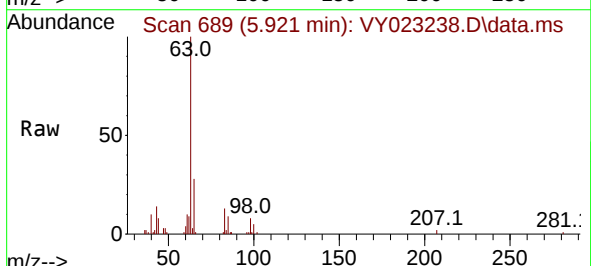
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

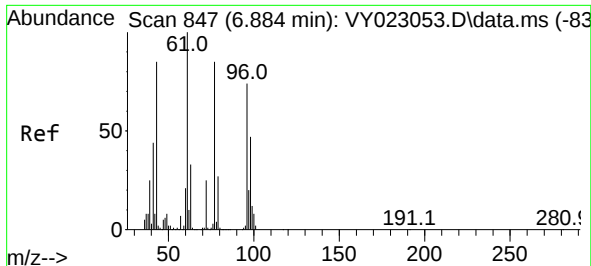
Tgt Ion: 43 Resp: 113534
 Ion Ratio Lower Upper
 43 100
 86 11.2 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 4.224 ug/l
 RT: 5.921 min Scan# 689
 Delta R.T. 0.012 min
 Lab File: VY023238.D
 Acq: 29 Aug 2025 11:34

Tgt Ion: 63 Resp: 34509
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.5 10.6
 100 5.4 2.4 7.1

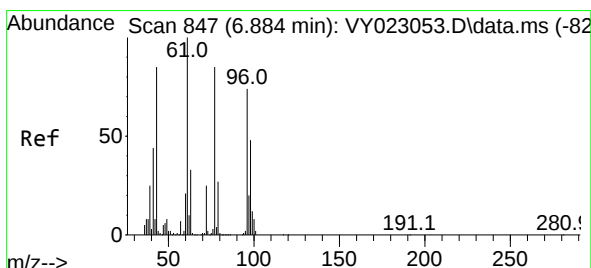
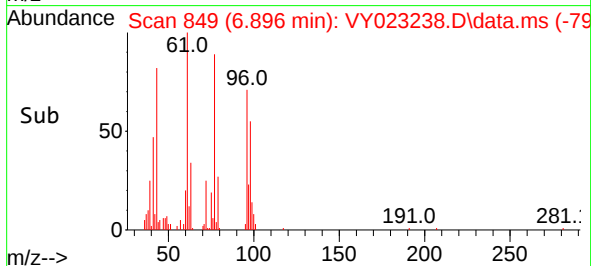
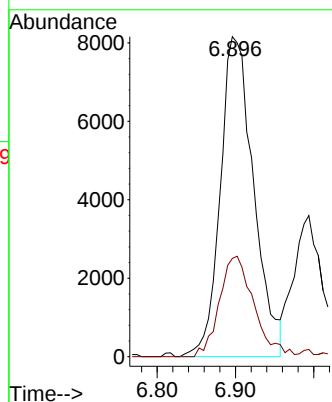
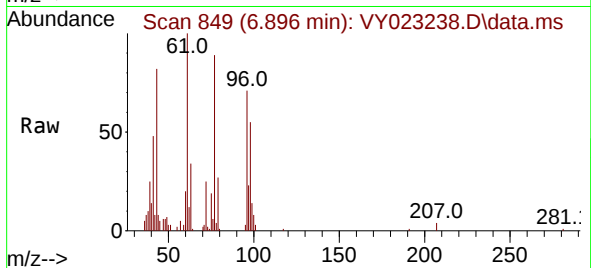




#25
2-Butanone
Concen: 19.825 ug/l
RT: 6.896 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

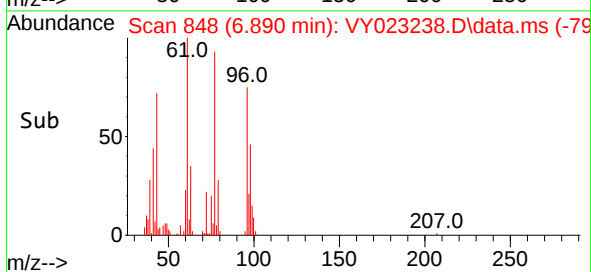
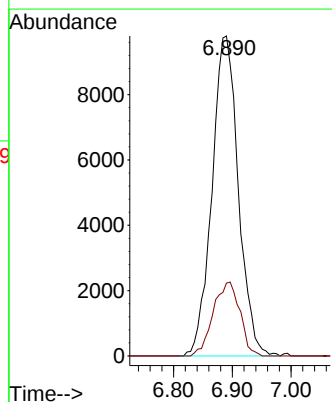
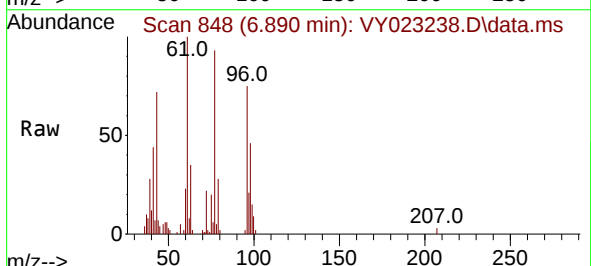
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion: 43 Resp: 24146
Ion Ratio Lower Upper
43 100
72 30.7 23.5 35.3



#26
2,2-Dichloropropane
Concen: 4.335 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion: 77 Resp: 30564
Ion Ratio Lower Upper
77 100
97 23.4 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 3.925 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

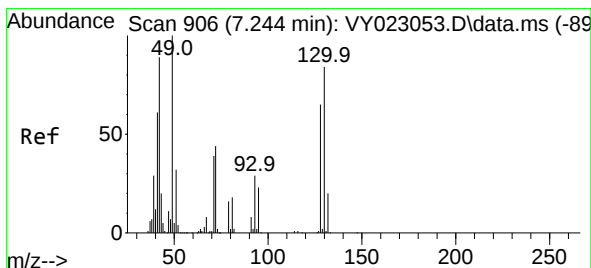
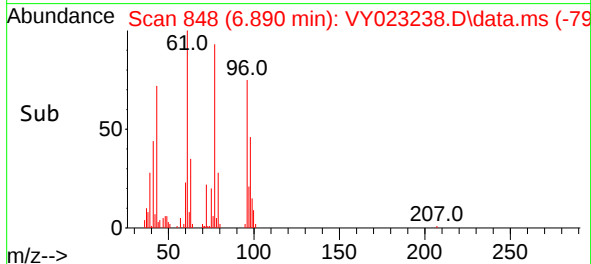
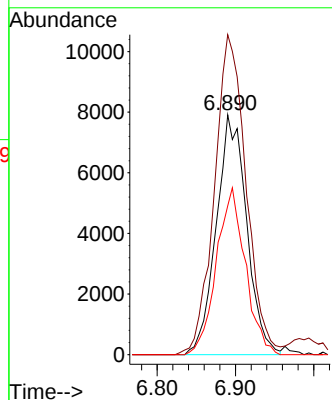
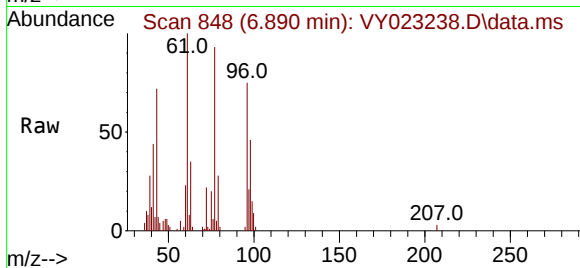
Tgt Ion: 96 Resp: 21315

Ion Ratio Lower Upper

96 100

61 138.7 0.0 278.6

98 66.2 0.0 130.4



#28

Bromochloromethane

Concen: 4.304 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

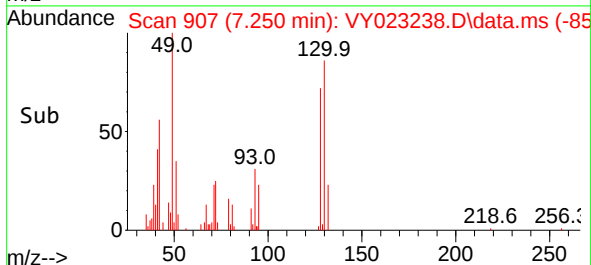
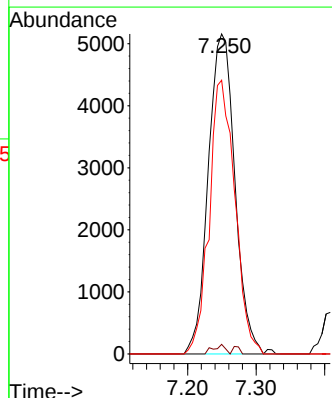
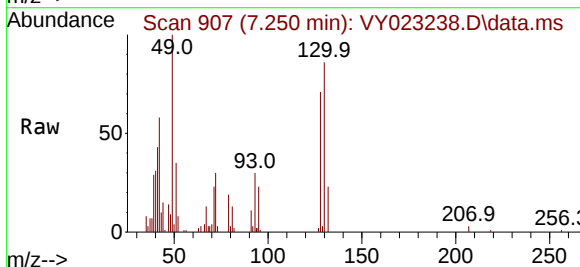
Tgt Ion: 49 Resp: 13951

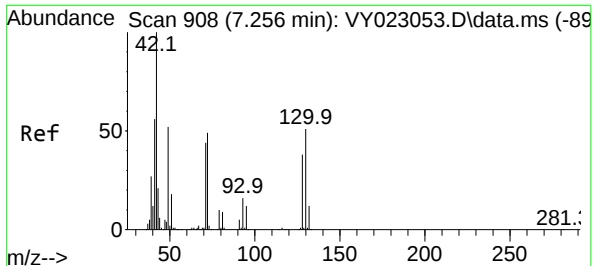
Ion Ratio Lower Upper

49 100

129 1.3 0.0 4.2

130 82.2 66.4 99.6

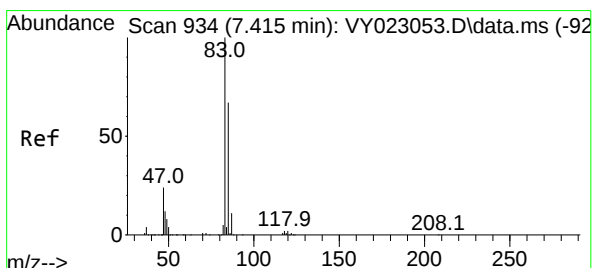
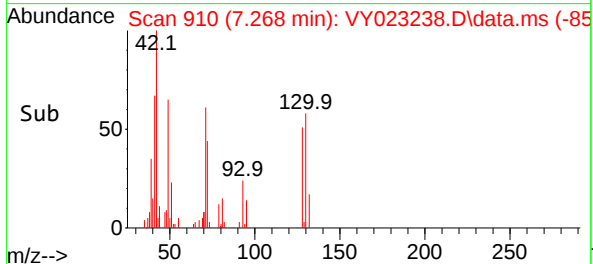
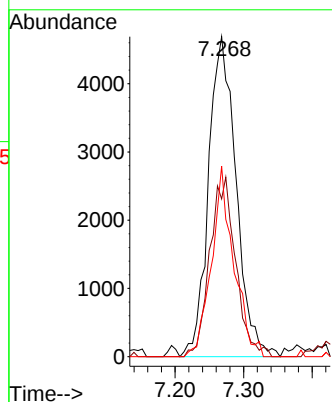
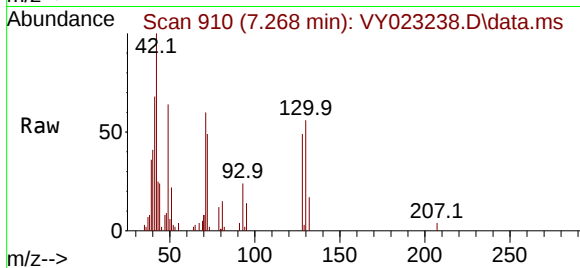




#29
Tetrahydrofuran
Concen: 17.377 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.012 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

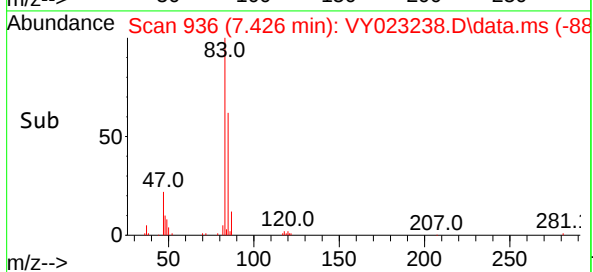
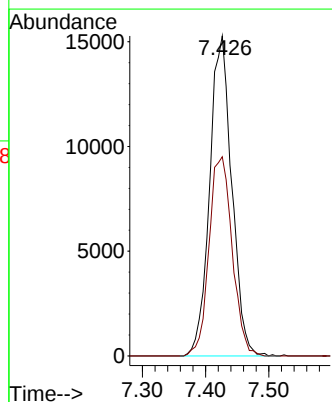
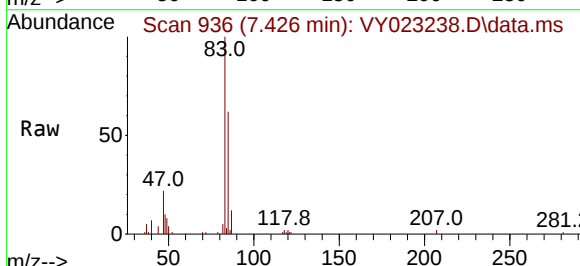
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

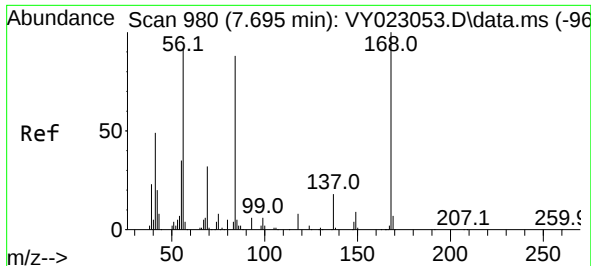
Tgt Ion:	42	Resp:	13119
Ion	Ratio	Lower	Upper
42	100		
72	52.7	39.4	59.2
71	48.0	36.5	54.7



#30
Chloroform
Concen: 4.413 ug/l
RT: 7.426 min Scan# 936
Delta R.T. 0.012 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion:	83	Resp:	37183
Ion	Ratio	Lower	Upper
83	100		
85	62.3	53.8	80.8

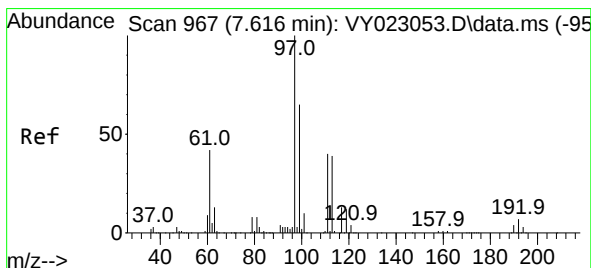
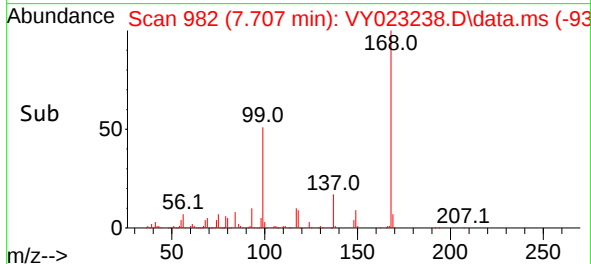
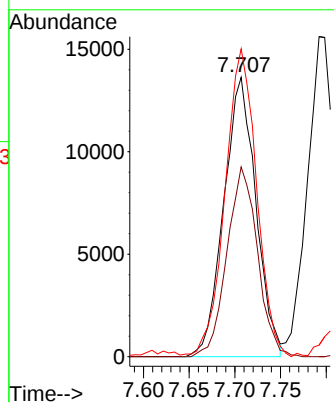
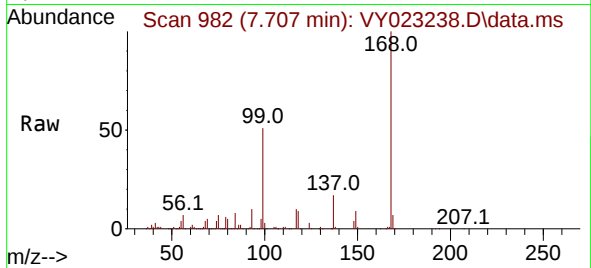




#31
Cyclohexane
Concen: 4.324 ug/l
RT: 7.707 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

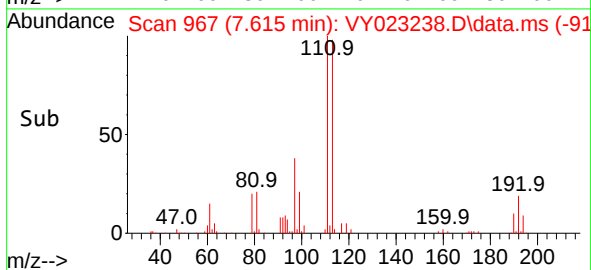
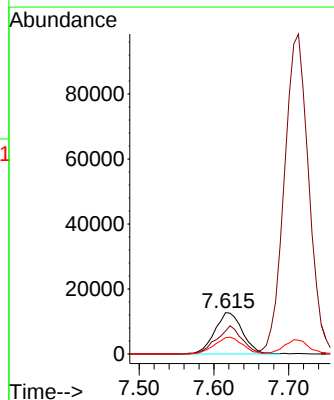
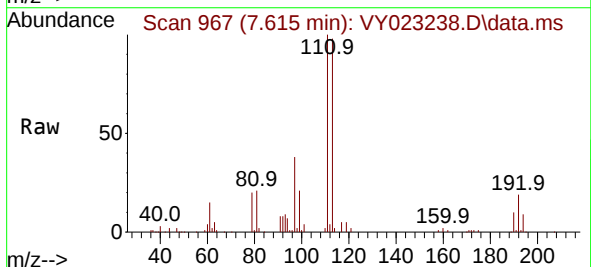
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion: 56 Resp: 33293
Ion Ratio Lower Upper
56 100
69 67.9 28.2 42.2#
84 109.6 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 4.391 ug/l
RT: 7.615 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion: 97 Resp: 32831
Ion Ratio Lower Upper
97 100
99 61.3 51.6 77.4
61 40.8 34.2 51.2

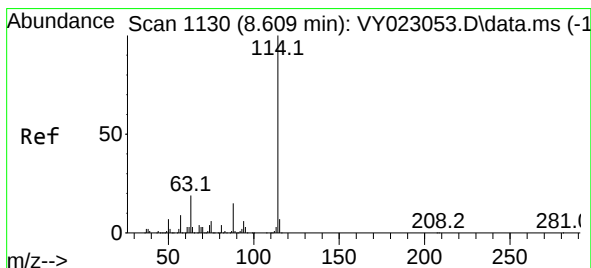
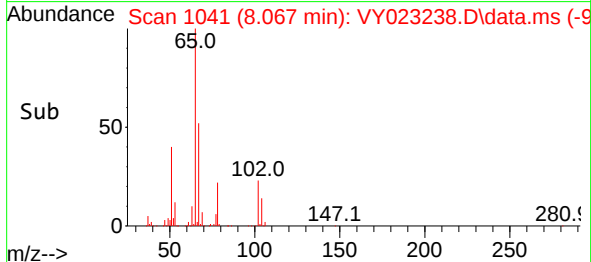
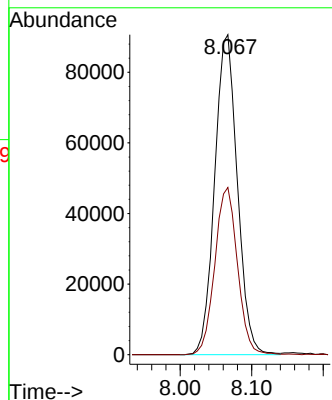
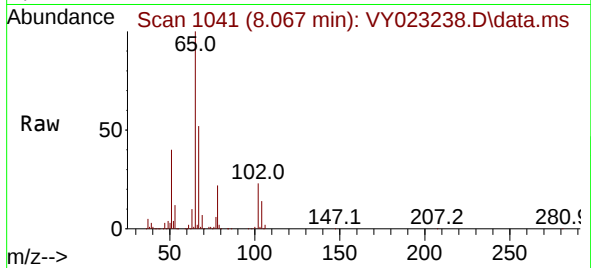




#33
 1,2-Dichloroethane-d4
 Concen: 48.310 ug/l
 RT: 8.067 min Scan# 1103
 Delta R.T. 0.012 min
 Lab File: VY023238.D
 Acq: 29 Aug 2025 11:34

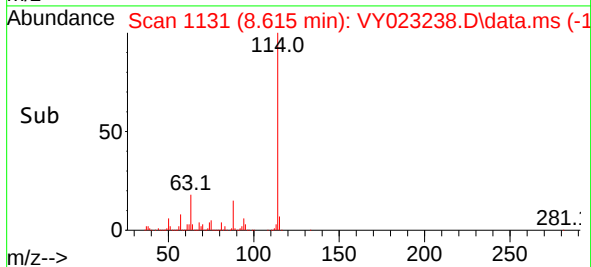
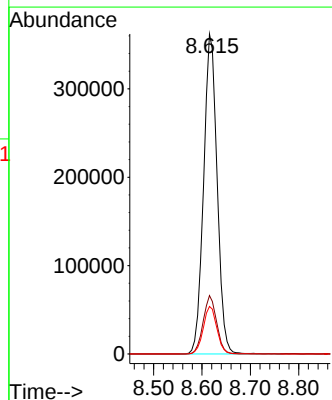
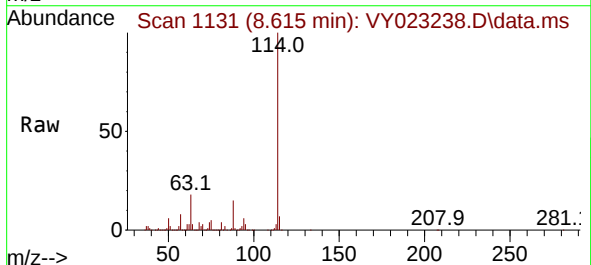
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

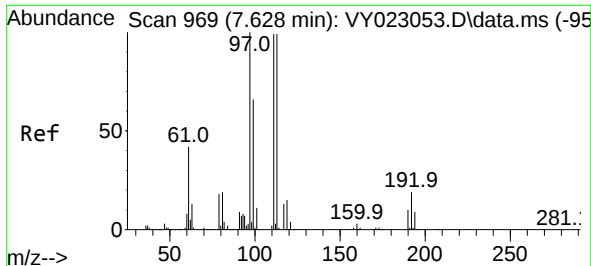
Tgt Ion: 65 Resp: 199699
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.615 min Scan# 1131
 Delta R.T. 0.006 min
 Lab File: VY023238.D
 Acq: 29 Aug 2025 11:34

Tgt Ion: 114 Resp: 704289
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 38.4
 88 14.8 0.0 30.0

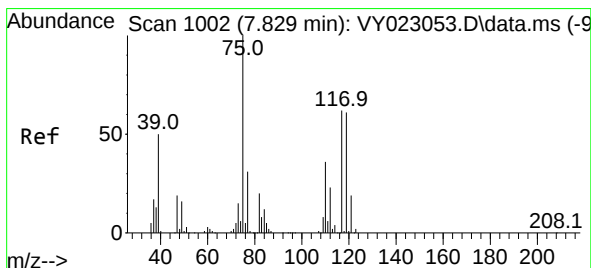
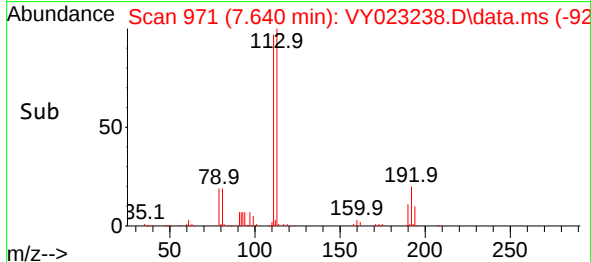
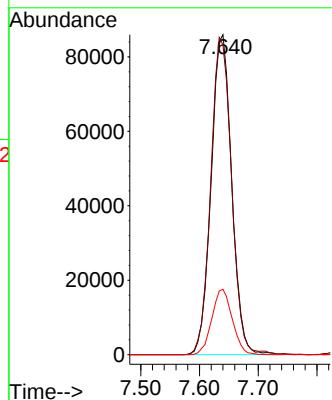
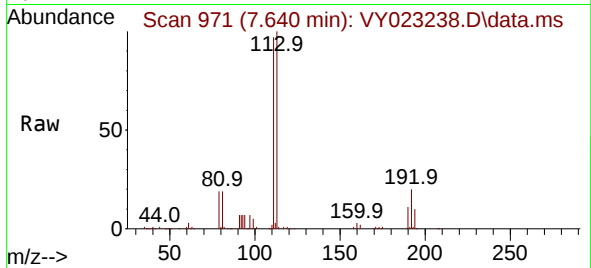




#35
Dibromofluoromethane
Concen: 49.600 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

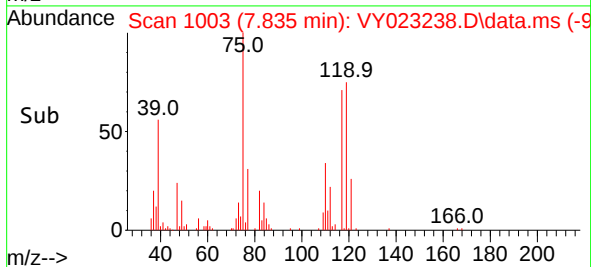
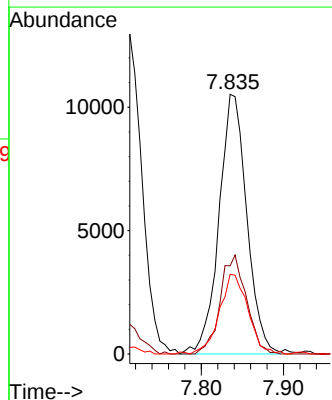
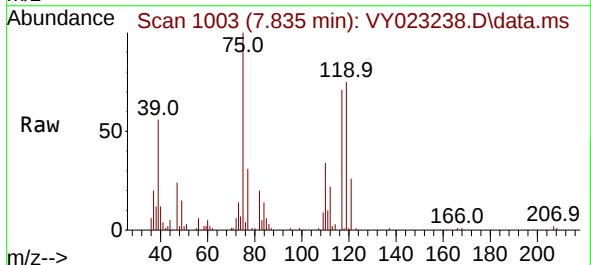
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

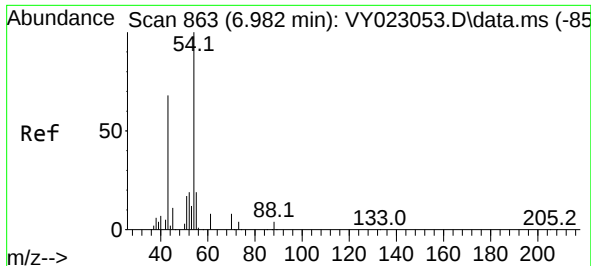
Tgt Ion:113 Resp: 209026
Ion Ratio Lower Upper
113 100
111 100.5 81.1 121.7
192 20.3 16.2 24.4



#36
1,1-Dichloropropene
Concen: 3.958 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion: 75 Resp: 24790
Ion Ratio Lower Upper
75 100
110 35.9 18.1 54.4
77 31.5 24.6 37.0





#37

Ethyl Acetate

Concen: 3.662 ug/l

RT: 6.994 min Scan# 80

Delta R.T. 0.012 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

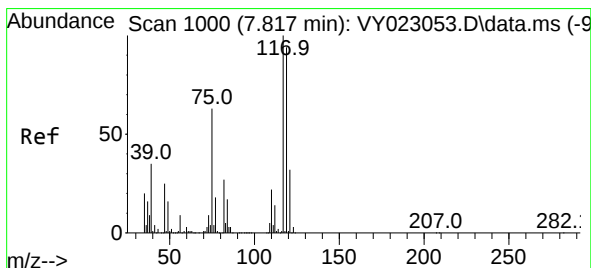
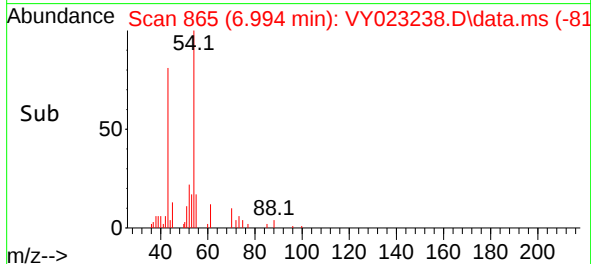
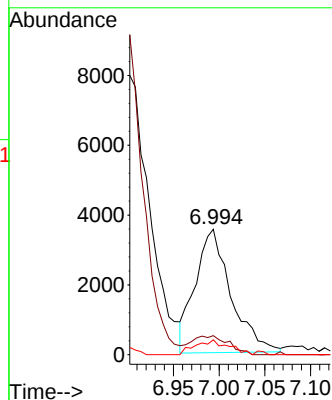
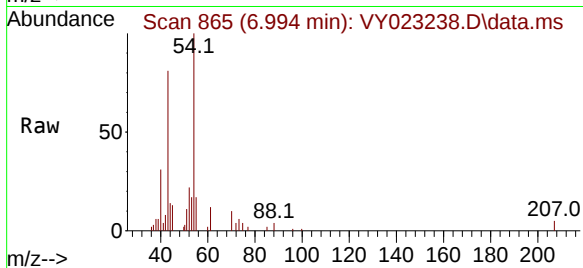
Tgt Ion: 43 Resp: 9635

Ion Ratio Lower Upper

43 100

61 16.1 11.9 17.9

70 11.1 8.8 13.2



#38

Carbon Tetrachloride

Concen: 4.151 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

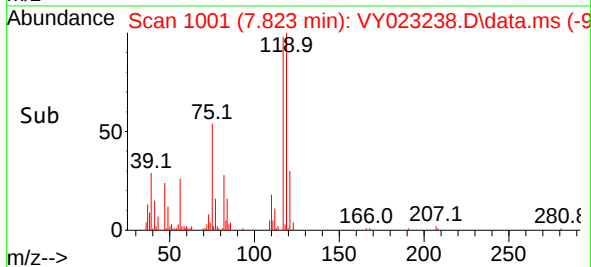
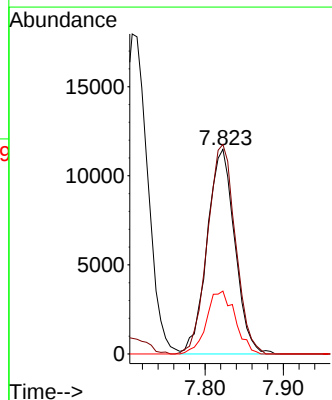
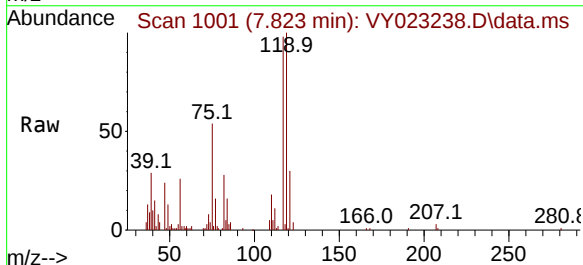
Tgt Ion: 117 Resp: 28238

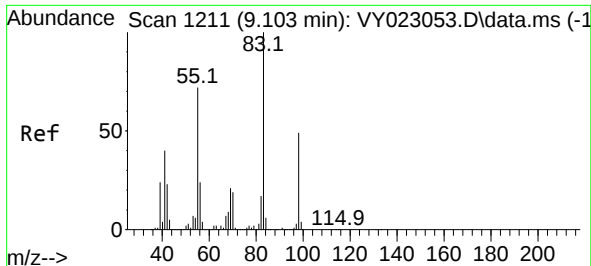
Ion Ratio Lower Upper

117 100

119 102.4 75.6 113.4

121 30.8 25.8 38.8

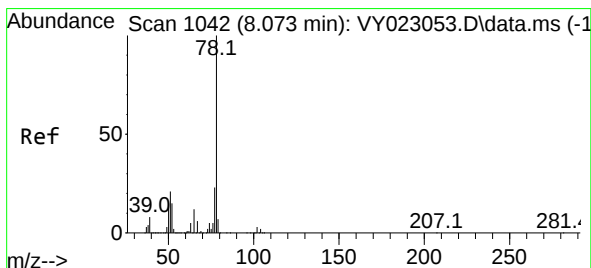
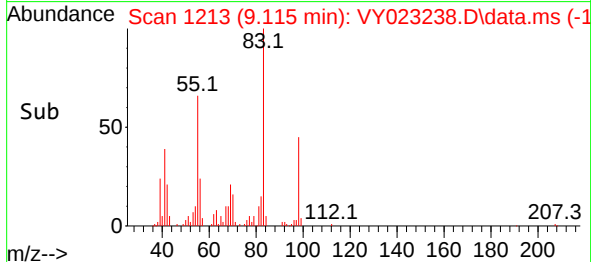
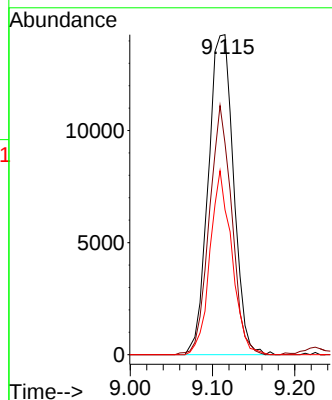
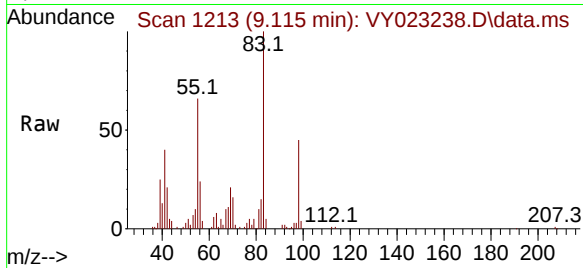




#39
Methylcyclohexane
Concen: 3.699 ug/l
RT: 9.115 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

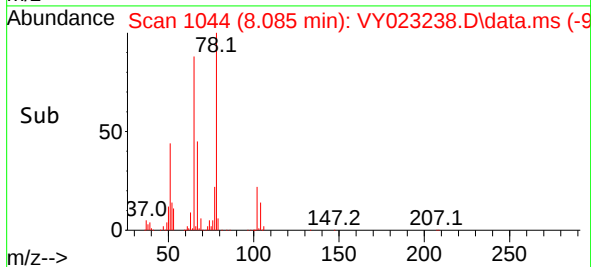
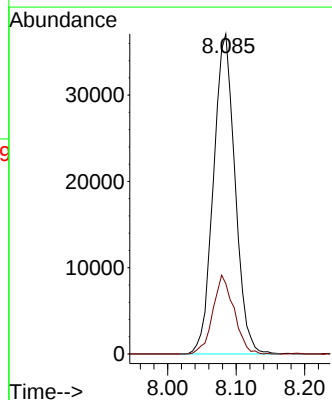
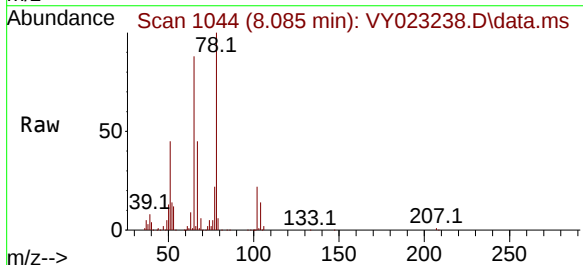
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

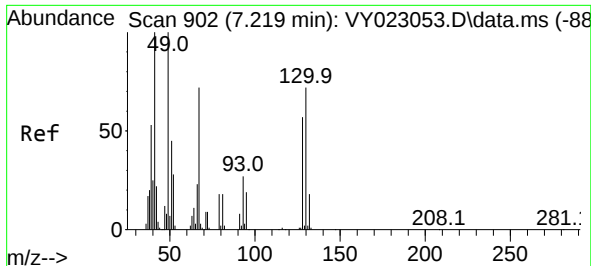
Tgt Ion: 83 Resp: 30510
Ion Ratio Lower Upper
83 100
55 66.1 57.6 86.4
98 45.3 39.2 58.8



#40
Benzene
Concen: 4.199 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.012 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion: 78 Resp: 81056
Ion Ratio Lower Upper
78 100
77 22.0 18.6 28.0

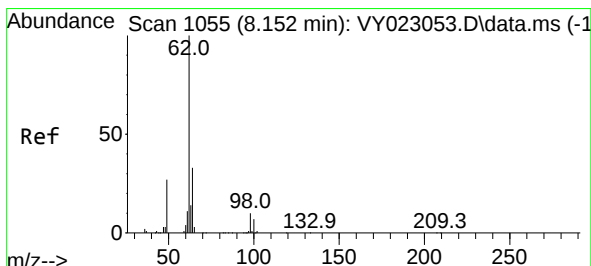
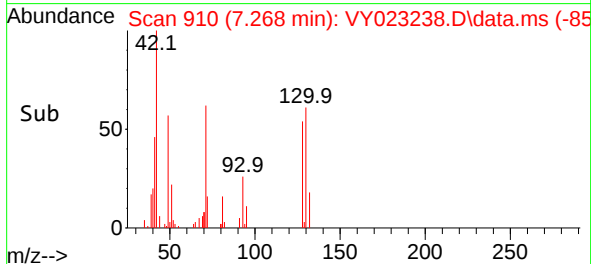
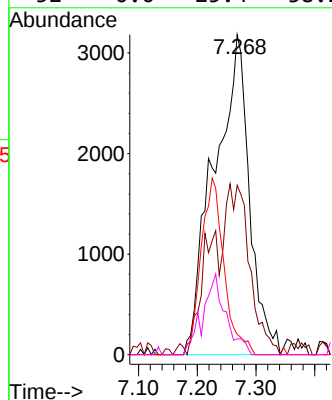
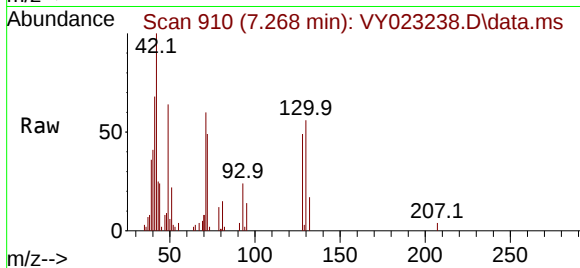




#41
Methacrylonitrile
Concen: 8.738 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.049 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

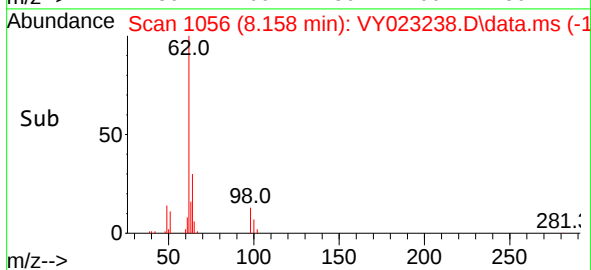
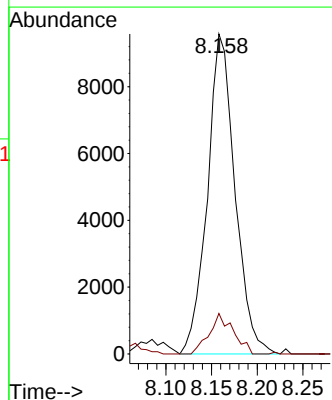
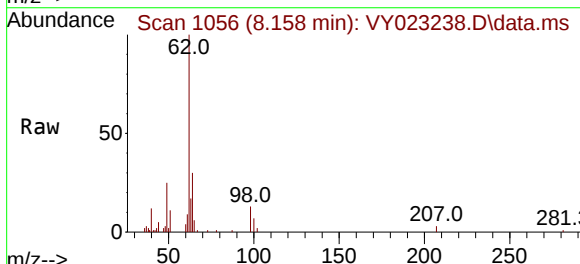
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion:	41	Resp:	13267
Ion	Ratio	Lower	Upper
41	100		
39	6.9	43.4	65.2#
67	0.0	63.6	95.4#
52	0.0	25.4	38.2#



#42
1,2-Dichloroethane
Concen: 4.002 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion:	62	Resp:	20094
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	20.6

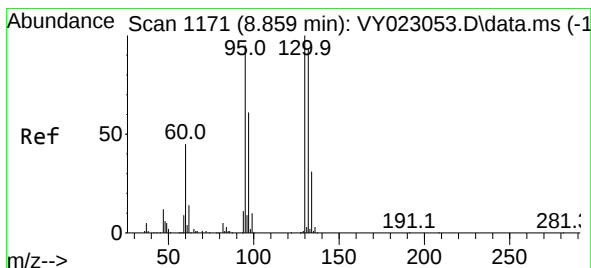
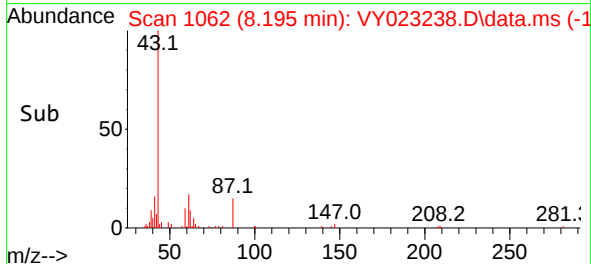
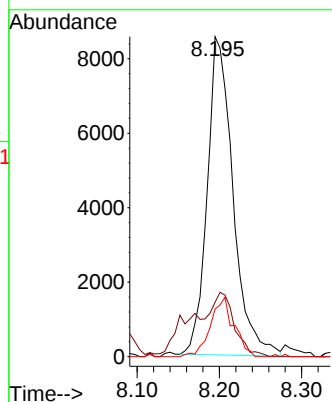
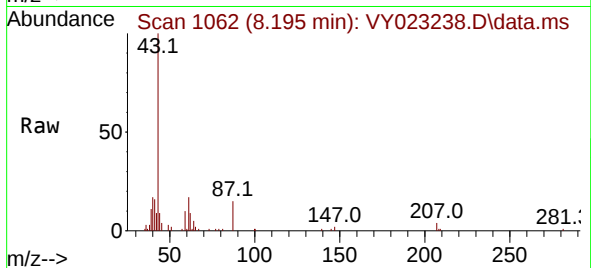




#43
Isopropyl Acetate
Concen: 3.507 ug/l
RT: 8.195 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

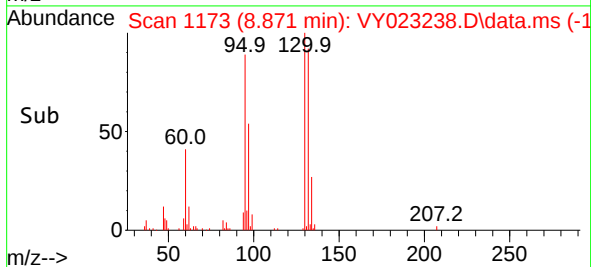
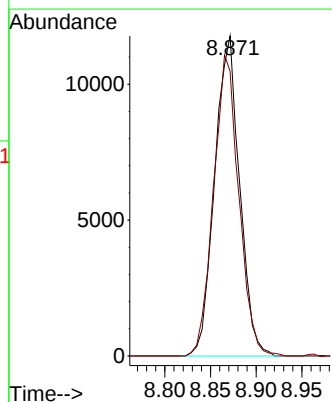
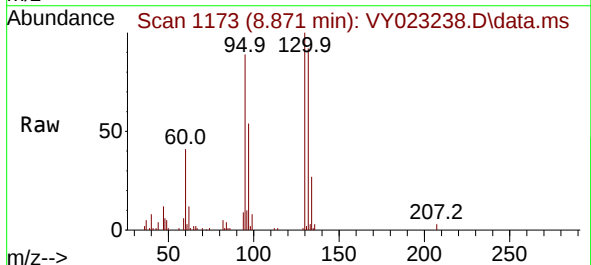
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion: 43 Resp: 18647
Ion Ratio Lower Upper
43 100
61 18.3 16.4 24.6
87 16.9 11.8 17.6



#44
Trichloroethene
Concen: 4.465 ug/l
RT: 8.871 min Scan# 1173
Delta R.T. 0.012 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion:130 Resp: 22271
Ion Ratio Lower Upper
130 100
95 89.0 0.0 190.2





#45

1,2-Dichloropropane

Concen: 4.077 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

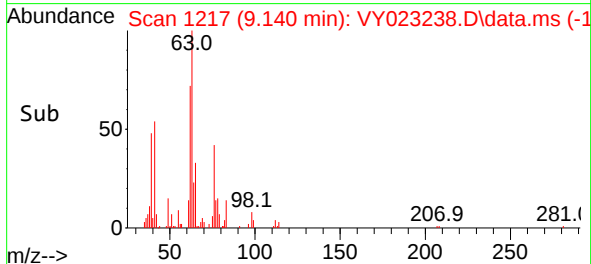
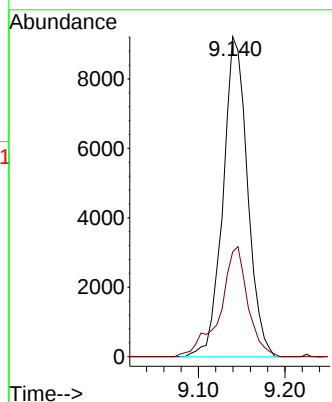
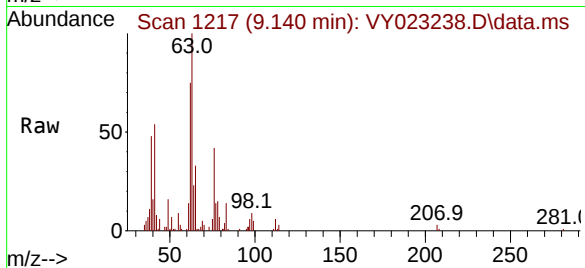
MDL-SOIL-03-QT3-2025

Tgt Ion: 63 Resp: 18109

Ion Ratio Lower Upper

63 100

65 32.8 25.3 37.9



#46

Dibromomethane

Concen: 4.401 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

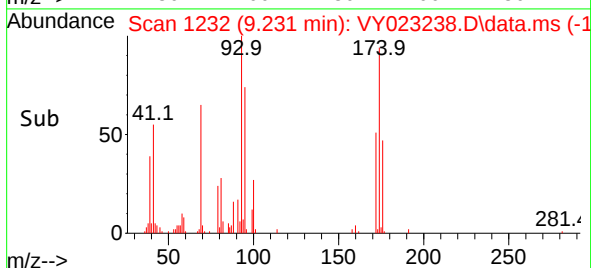
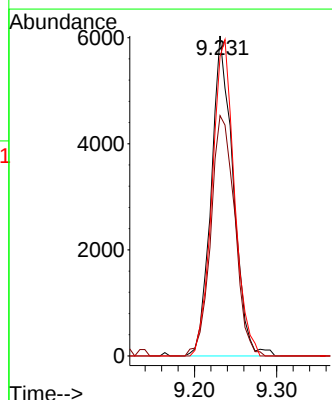
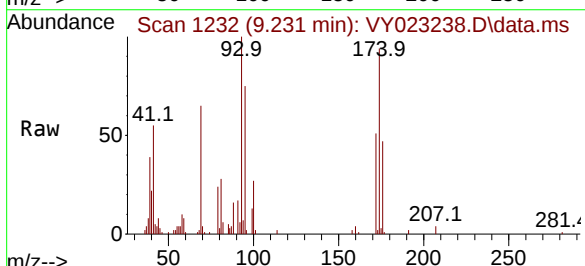
Tgt Ion: 93 Resp: 11219

Ion Ratio Lower Upper

93 100

95 81.3 66.5 99.7

174 99.8 81.8 122.8

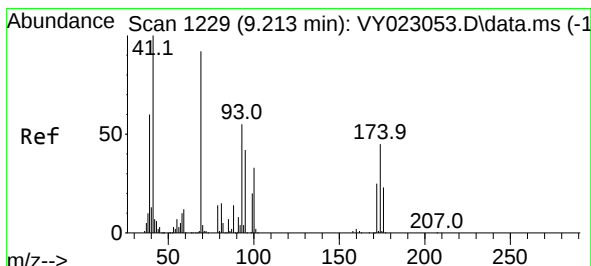
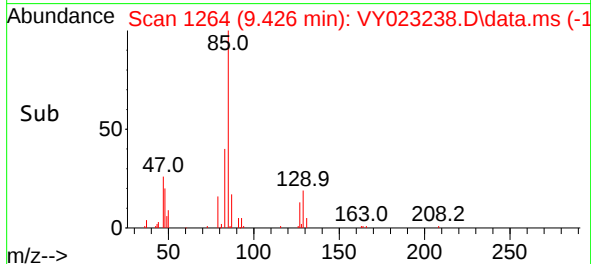
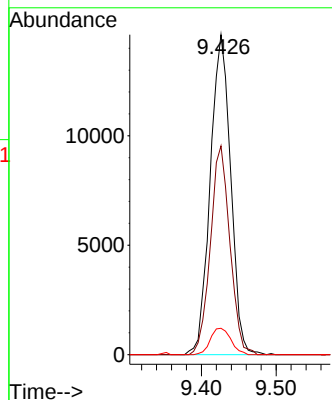
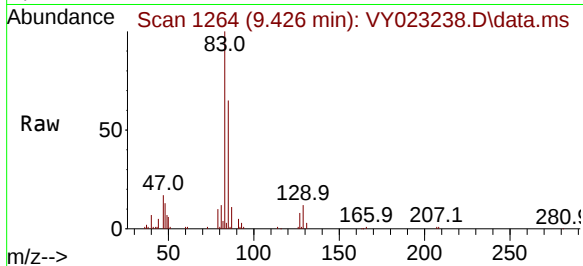




#47
Bromodichloromethane
Concen: 4.232 ug/l
RT: 9.426 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

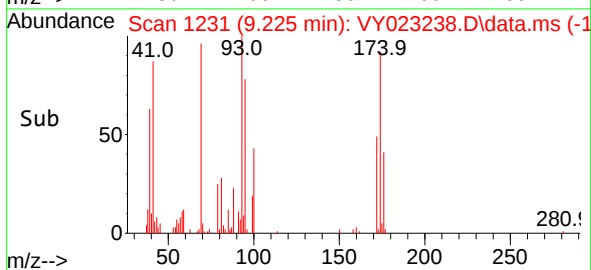
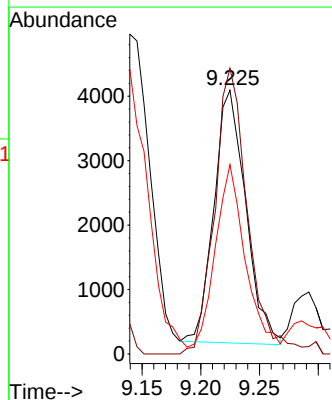
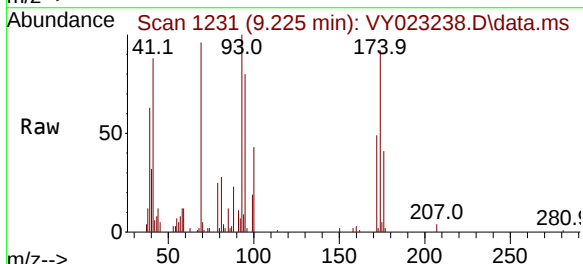
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion: 83 Resp: 27762
Ion Ratio Lower Upper
83 100
85 65.2 50.2 75.4
127 8.3 6.6 10.0



#48
Methyl methacrylate
Concen: 2.898 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.012 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion: 41 Resp: 7375
Ion Ratio Lower Upper
41 100
69 118.5 73.2 109.8
39 67.3 47.0 70.4





#49

1,4-Dioxane

Concen: 84.674 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

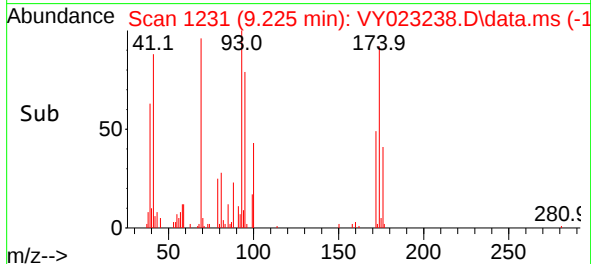
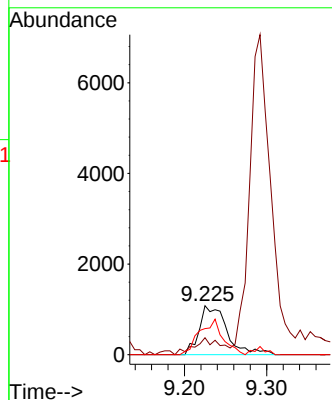
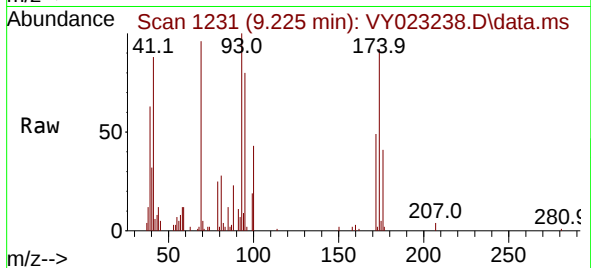
Tgt Ion: 88 Resp: 2531

Ion Ratio Lower Upper

88 100

43 32.5 24.3 36.5

58 61.2 55.4 83.0



#50

Toluene-d8

Concen: 46.336 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023238.D

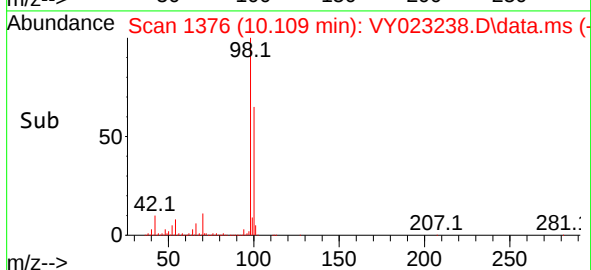
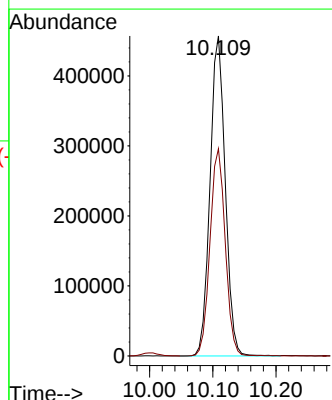
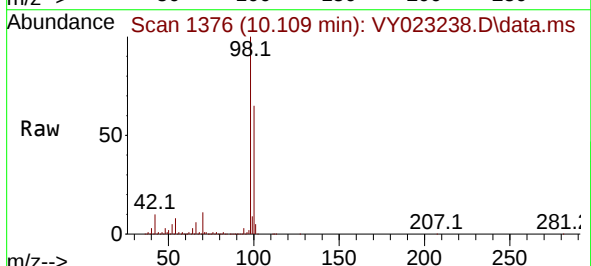
Acq: 29 Aug 2025 11:34

Tgt Ion: 98 Resp: 762844

Ion Ratio Lower Upper

98 100

100 65.1 52.3 78.5

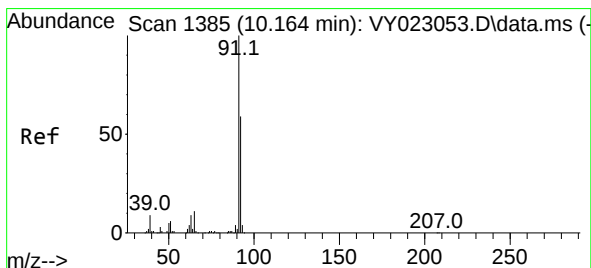
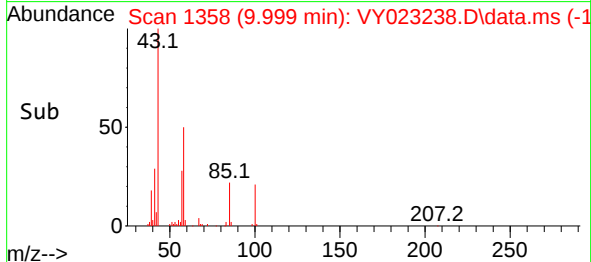
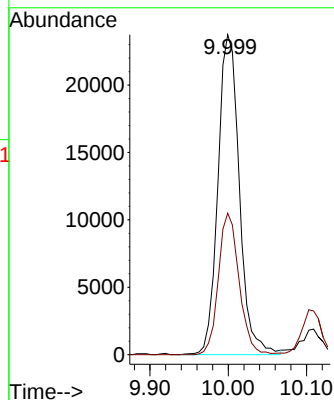
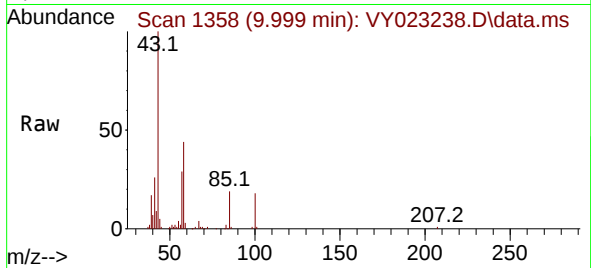




#51
4-Methyl-2-Pentanone
Concen: 16.479 ug/l
RT: 9.999 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

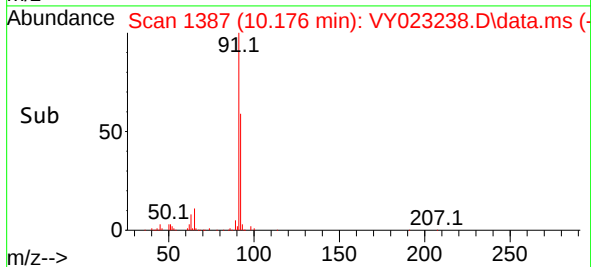
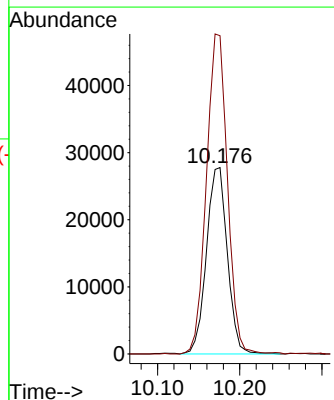
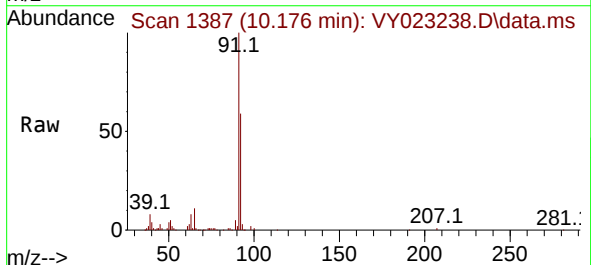
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

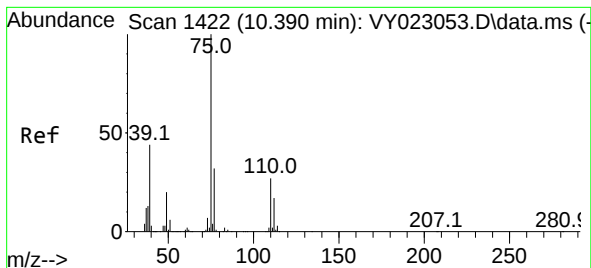
Tgt Ion: 43 Resp: 45199
Ion Ratio Lower Upper
43 100
58 42.7 33.5 50.3



#52
Toluene
Concen: 4.004 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.012 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion: 92 Resp: 49085
Ion Ratio Lower Upper
92 100
91 172.1 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 3.698 ug/l

RT: 10.395 min Scan# 1422

Delta R.T. 0.006 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

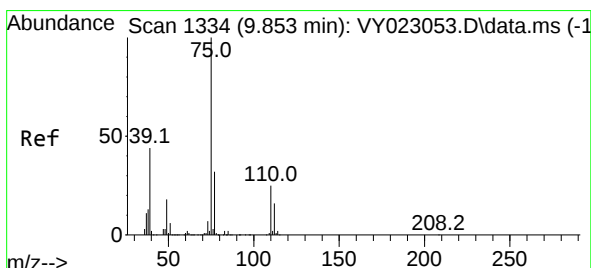
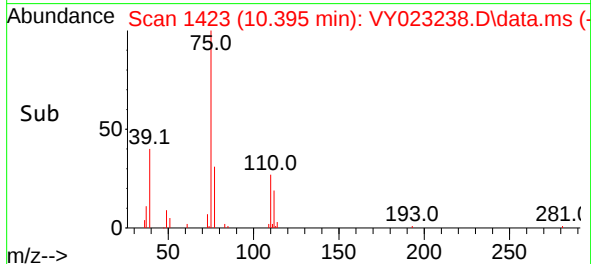
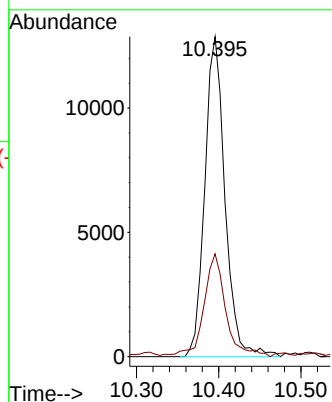
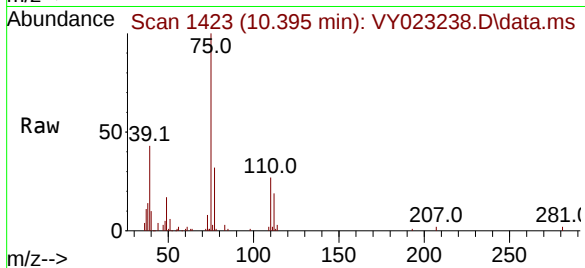
MDL-SOIL-03-QT3-2025

Tgt Ion: 75 Resp: 21969

Ion Ratio Lower Upper

75 100

77 31.1 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 3.632 ug/l

RT: 9.859 min Scan# 1335

Delta R.T. 0.006 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

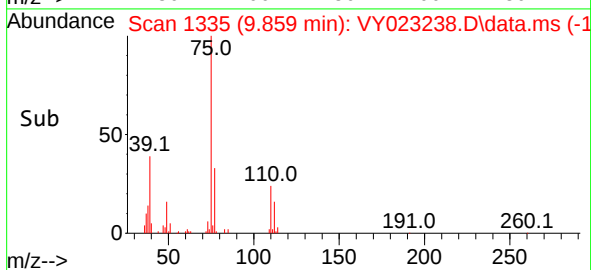
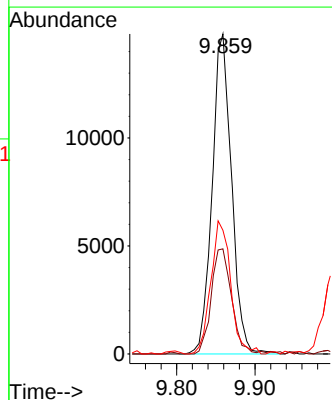
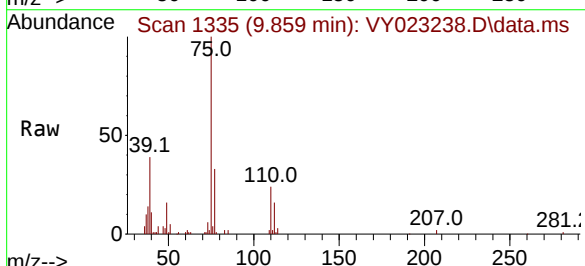
Tgt Ion: 75 Resp: 25512

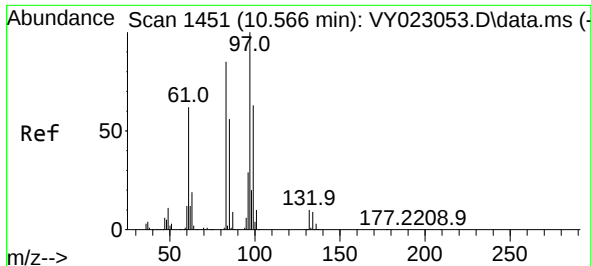
Ion Ratio Lower Upper

75 100

77 32.9 25.4 38.0

39 38.7 35.6 53.4

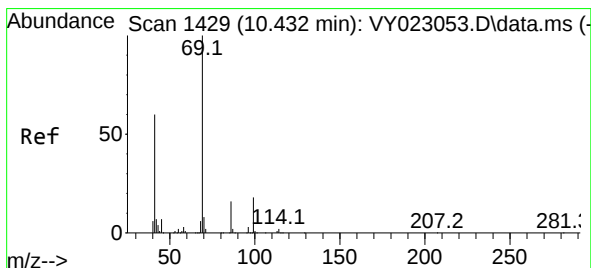
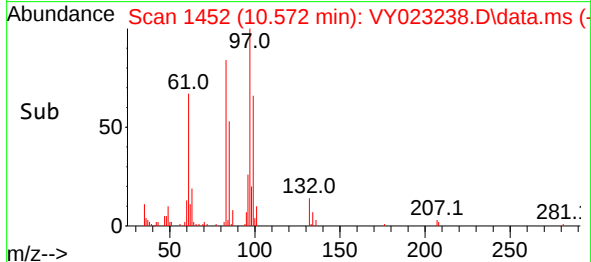
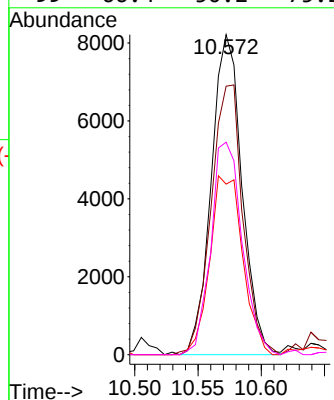
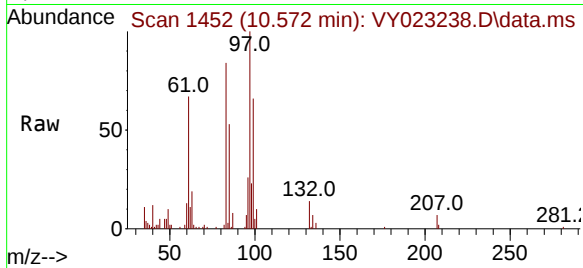




#55
1,1,2-Trichloroethane
Concen: 4.069 ug/l
RT: 10.572 min Scan# 1451
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

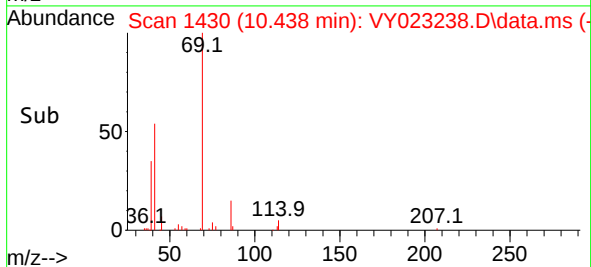
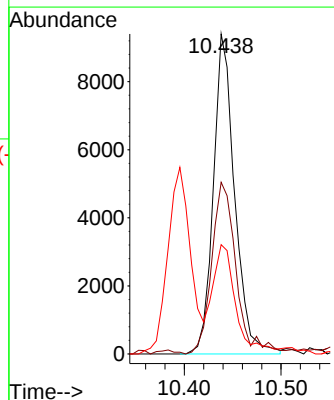
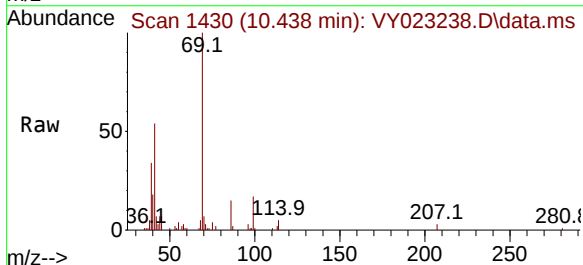
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT3-2025

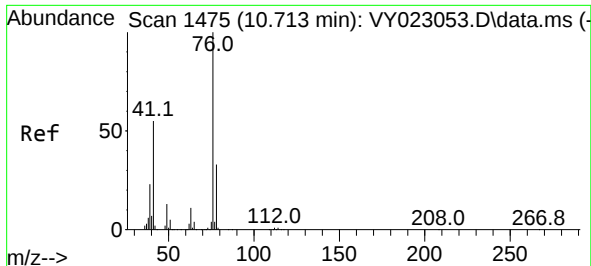
Tgt Ion:	97	Resp:	13880
Ion	Ratio	Lower	Upper
97	100		
83	83.9	67.7	101.5
85	53.3	44.5	66.7
99	66.4	50.2	75.2



#56
Ethyl methacrylate
Concen: 3.293 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion:	69	Resp:	14373
Ion	Ratio	Lower	Upper
69	100		
41	61.5	48.6	72.8
39	33.3	27.0	40.4





#57

1,3-Dichloropropane

Concen: 3.902 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

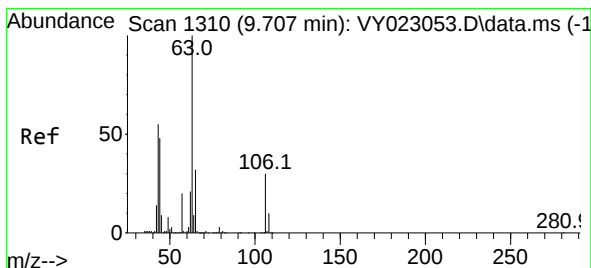
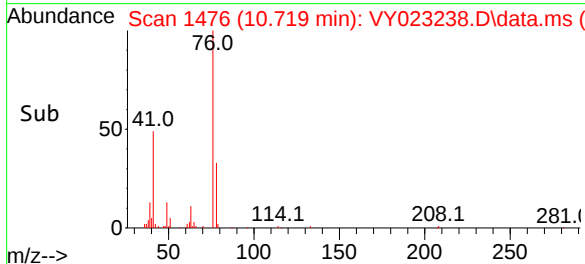
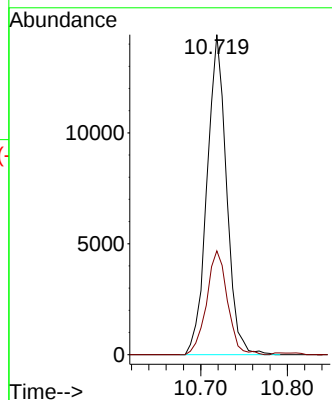
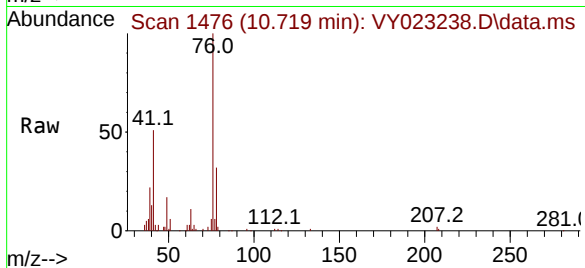
MDL-SOIL-03-QT3-2025

Tgt Ion: 76 Resp: 22571

Ion Ratio Lower Upper

76 100

78 34.7 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 15.361 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY023238.D

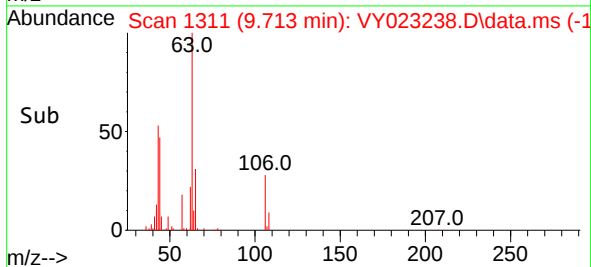
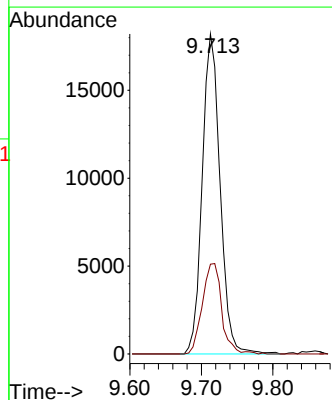
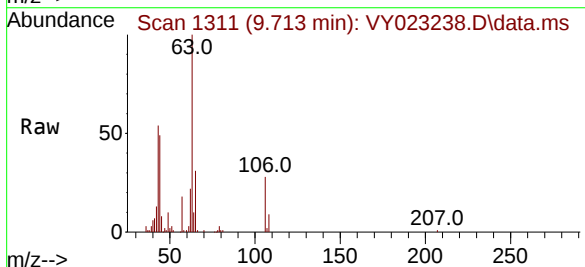
Acq: 29 Aug 2025 11:34

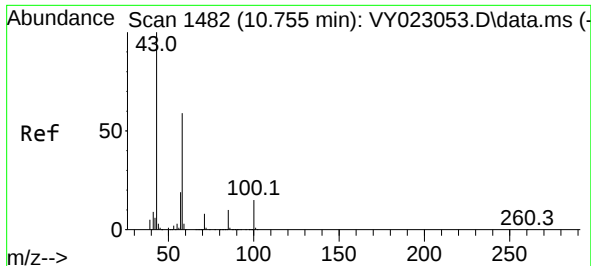
Tgt Ion: 63 Resp: 31628

Ion Ratio Lower Upper

63 100

106 30.6 23.2 34.8

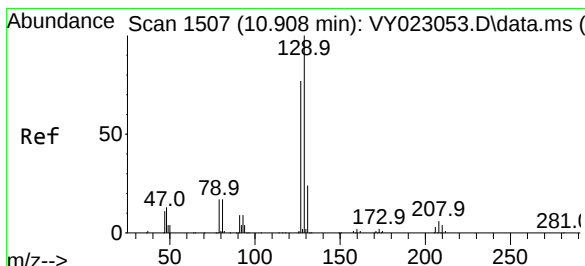
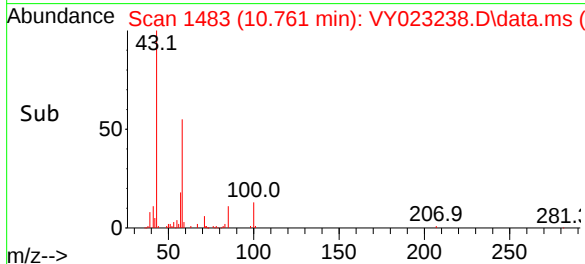
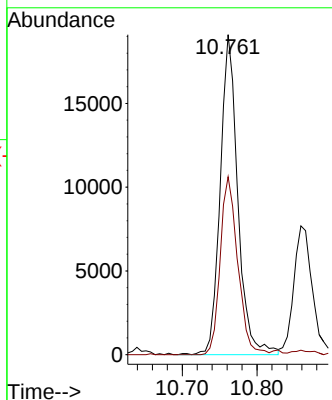
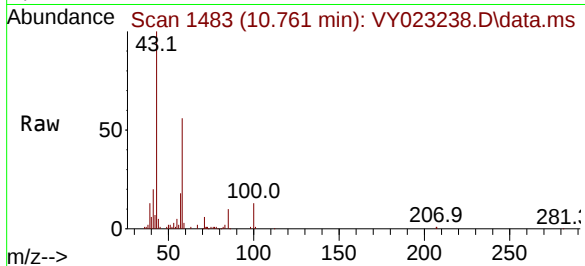




#59
2-Hexanone
Concen: 16.772 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

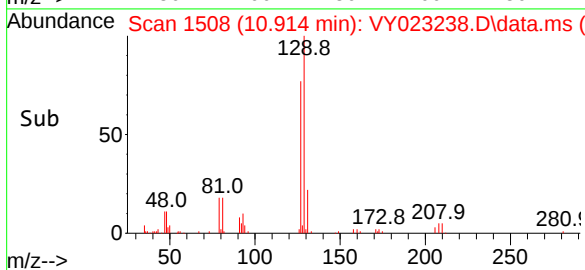
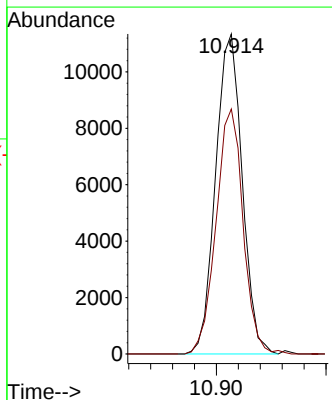
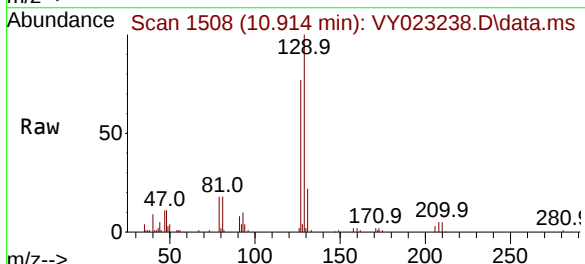
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

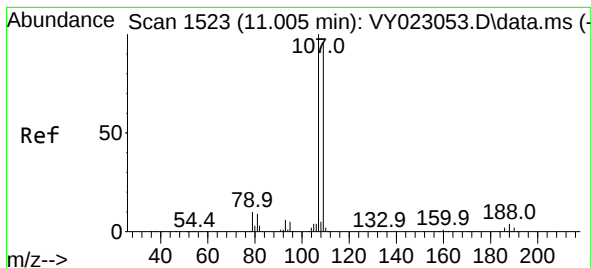
Tgt Ion: 43 Resp: 31325
Ion Ratio Lower Upper
43 100
58 55.3 29.5 88.5



#60
Dibromochloromethane
Concen: 4.248 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion: 129 Resp: 19120
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.5

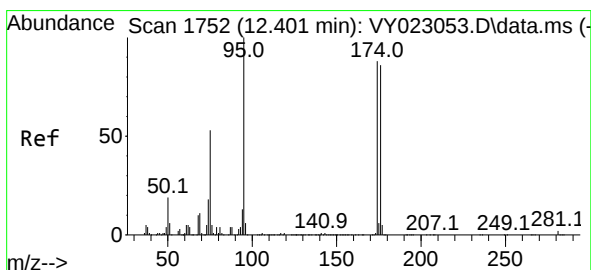
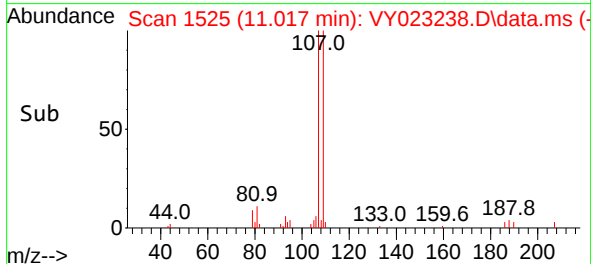
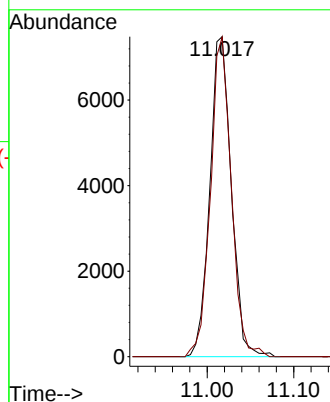
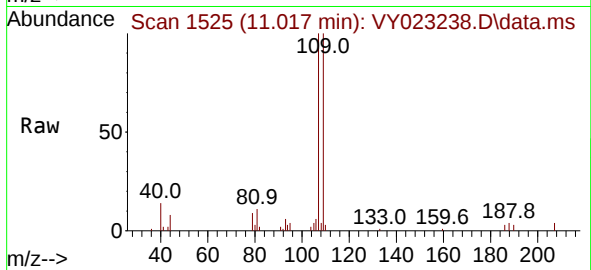




#61
1,2-Dibromoethane
Concen: 4.024 ug/l
RT: 11.017 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

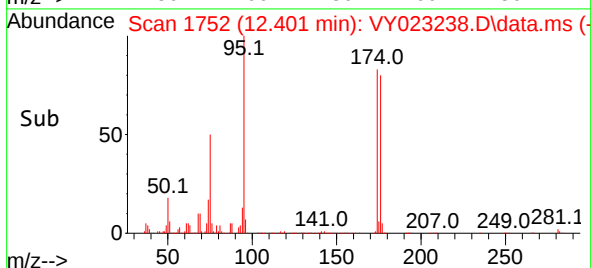
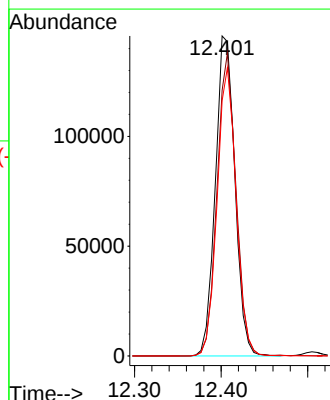
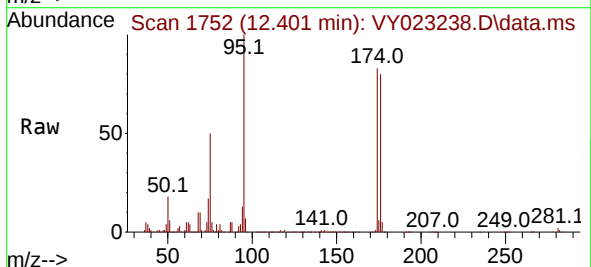
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

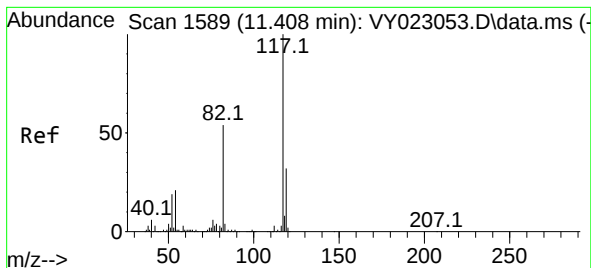
Tgt Ion:107 Resp: 12902
Ion Ratio Lower Upper
107 100
109 96.6 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 43.133 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion: 95 Resp: 228368
Ion Ratio Lower Upper
95 100
174 91.9 0.0 171.6
176 87.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

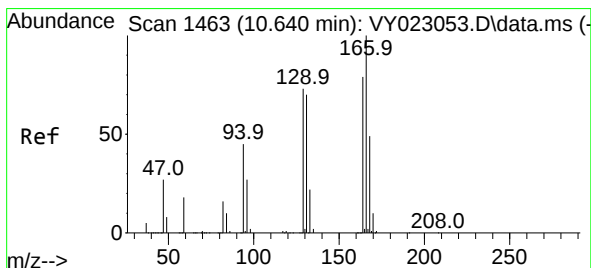
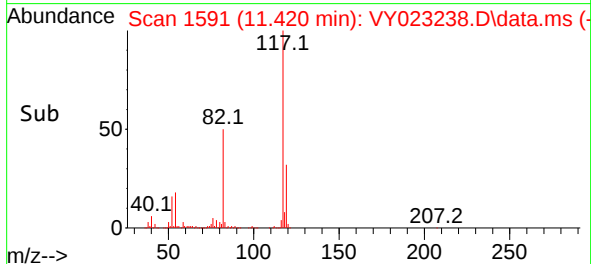
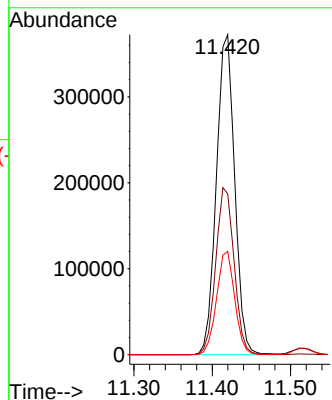
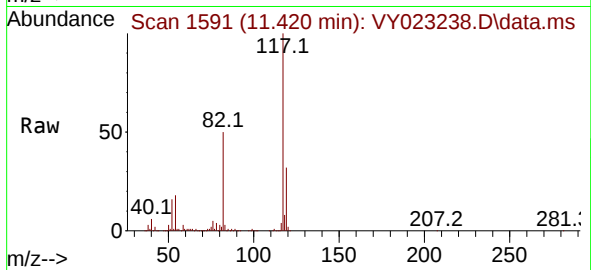
Tgt Ion:117 Resp: 605940

Ion Ratio Lower Upper

117 100

82 50.3 43.4 65.0

119 32.3 25.6 38.4



#64

Tetrachloroethene

Concen: 4.788 ug/l

RT: 10.645 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

Tgt Ion:164 Resp: 25908

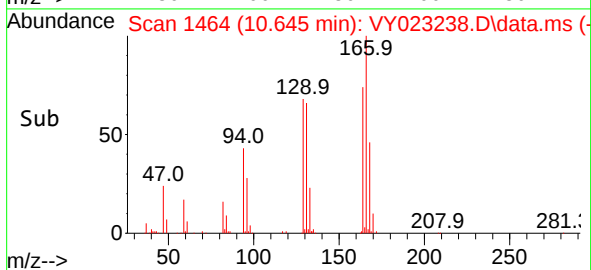
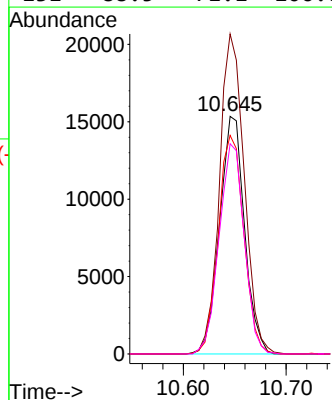
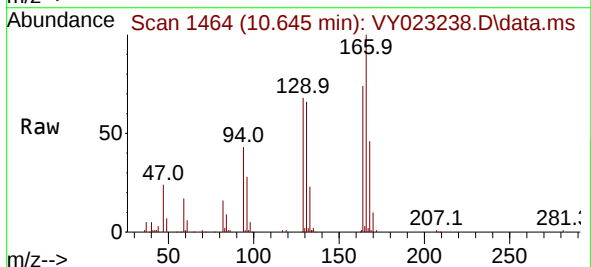
Ion Ratio Lower Upper

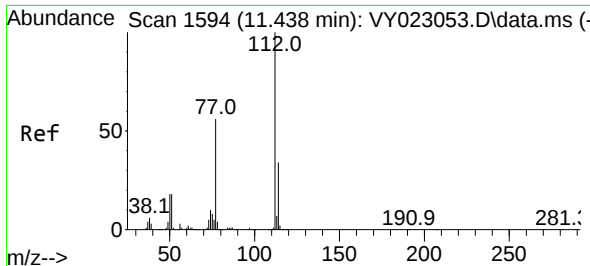
164 100

166 134.7 101.1 151.7

129 92.0 74.0 111.0

131 88.5 71.1 106.7

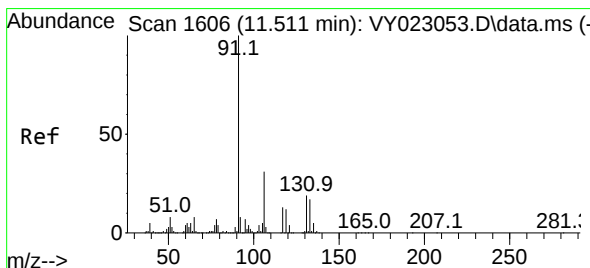
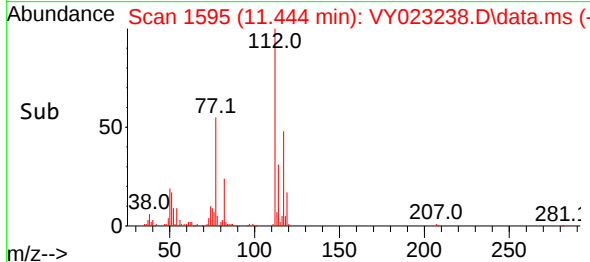
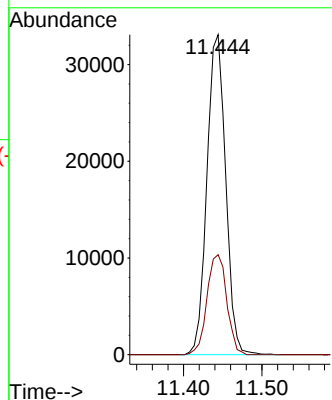
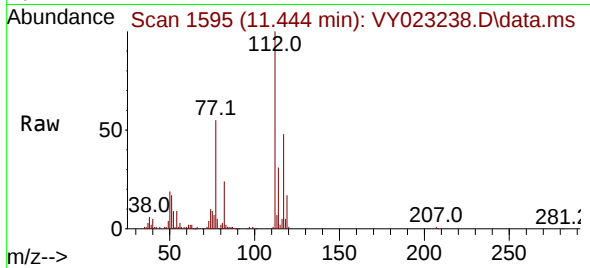




#65
Chlorobenzene
Concen: 4.198 ug/l
RT: 11.444 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

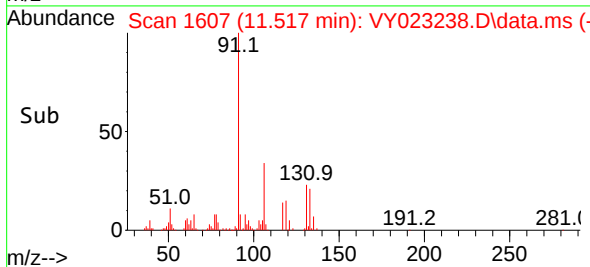
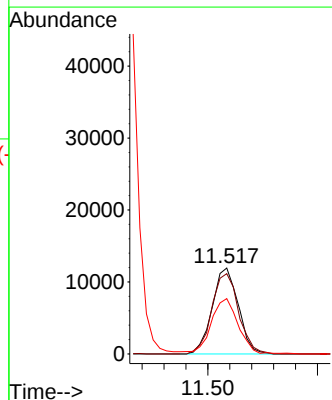
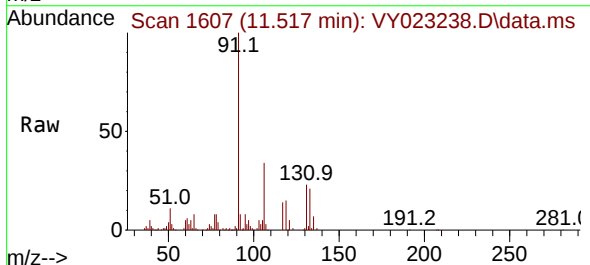
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

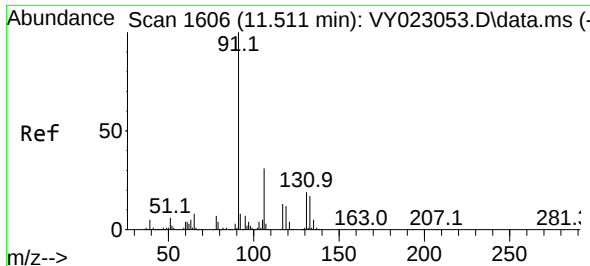
Tgt Ion:112 Resp: 54867
Ion Ratio Lower Upper
112 100
114 31.2 27.0 40.4



#66
1,1,1,2-Tetrachloroethane
Concen: 4.433 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion:131 Resp: 19665
Ion Ratio Lower Upper
131 100
133 96.8 46.9 140.6
119 67.5 33.2 99.6





#67

Ethyl Benzene

Concen: 3.691 ug/l

RT: 11.517 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

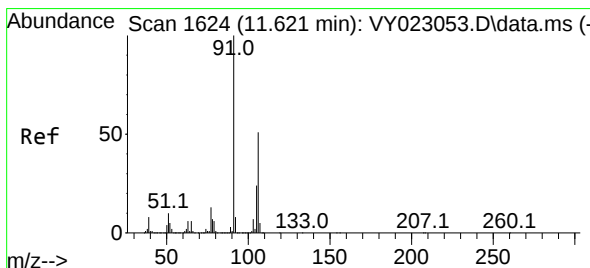
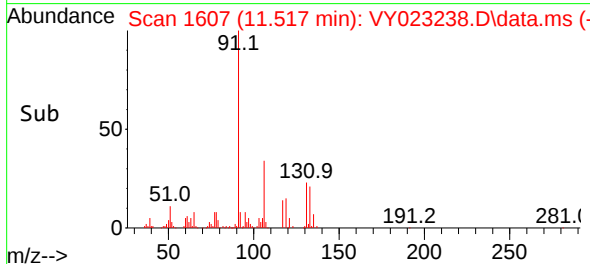
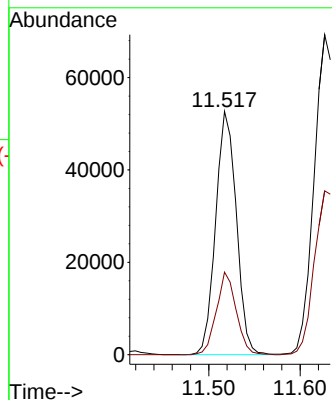
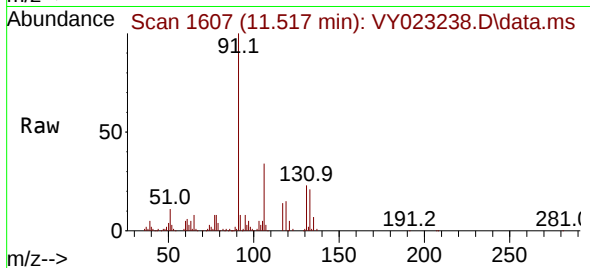
MDL-SOIL-03-QT3-2025

Tgt Ion: 91 Resp: 83025

Ion Ratio Lower Upper

91 100

106 33.9 25.0 37.4



#68

m/p-Xylenes

Concen: 7.340 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.006 min

Lab File: VY023238.D

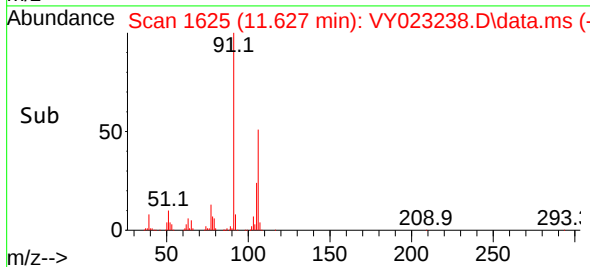
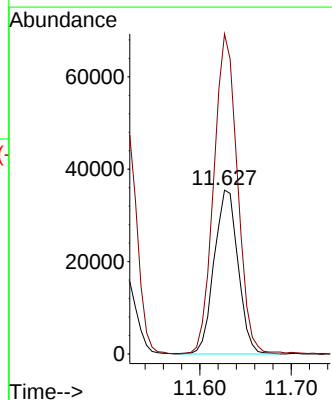
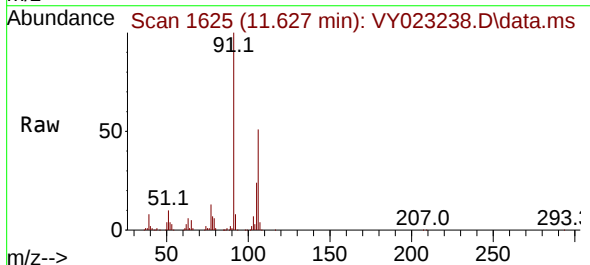
Acq: 29 Aug 2025 11:34

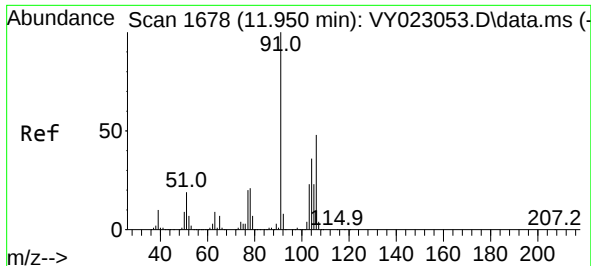
Tgt Ion:106 Resp: 64480

Ion Ratio Lower Upper

106 100

91 194.3 158.6 238.0

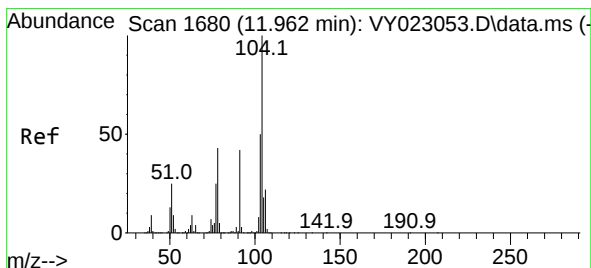
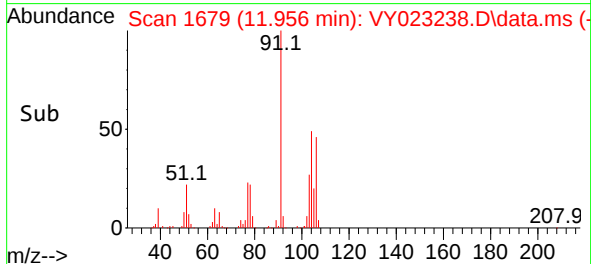
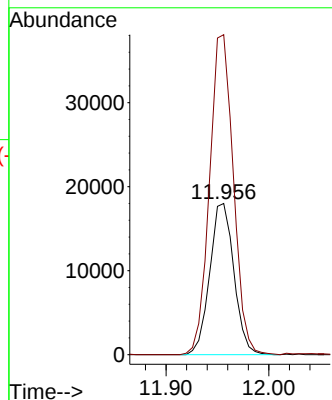
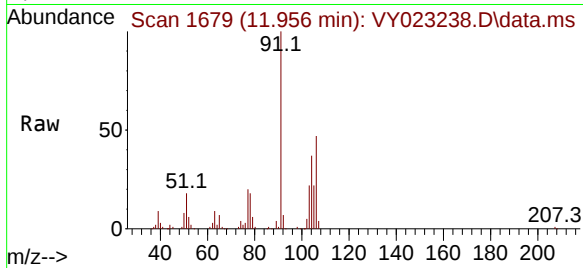




#69
o-Xylene
Concen: 3.570 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

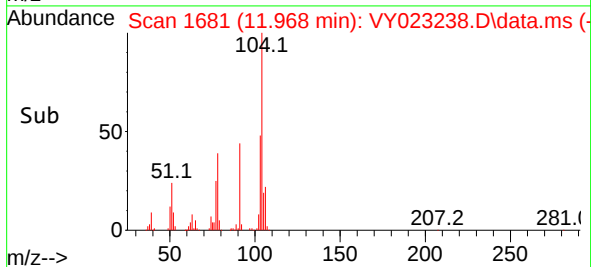
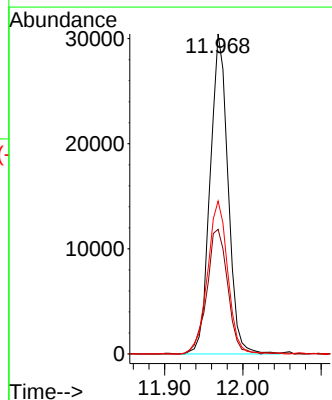
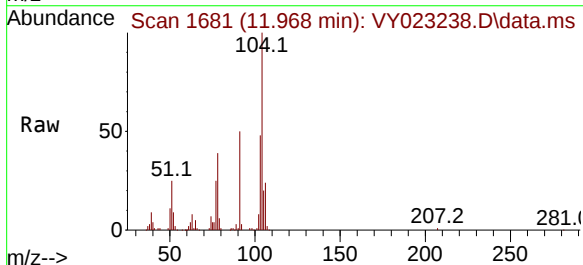
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion:106 Resp: 29371
Ion Ratio Lower Upper
106 100
91 208.9 103.2 309.4



#70
Styrene
Concen: 3.591 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion:104 Resp: 48313
Ion Ratio Lower Upper
104 100
78 45.4 38.5 57.7
103 54.1 43.7 65.5





#71

Bromoform

Concen: 4.561 ug/l

RT: 12.133 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

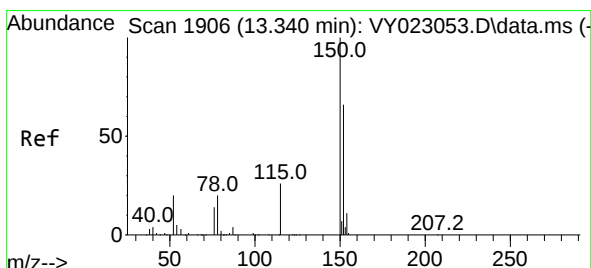
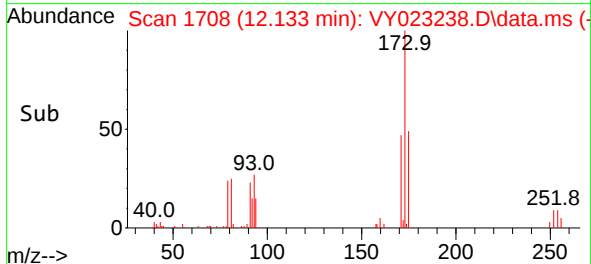
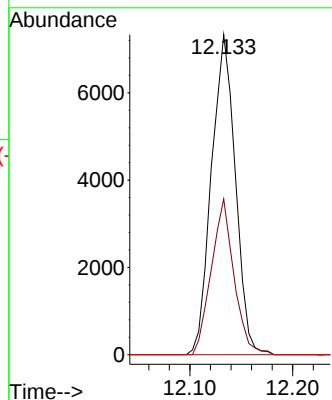
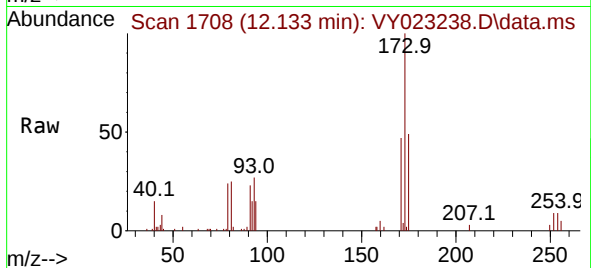
Tgt Ion:173 Resp: 11825

Ion Ratio Lower Upper

173 100

175 46.3 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: VY023238.D

Acq: 29 Aug 2025 11:34

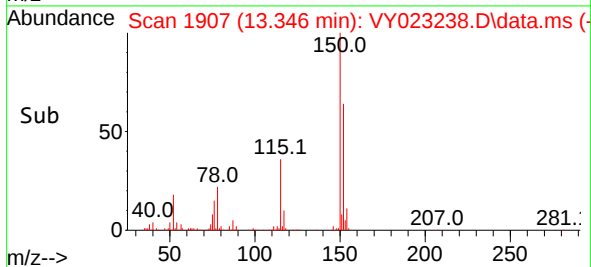
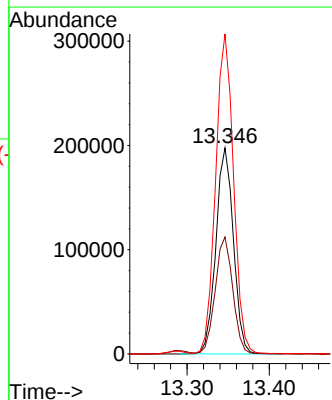
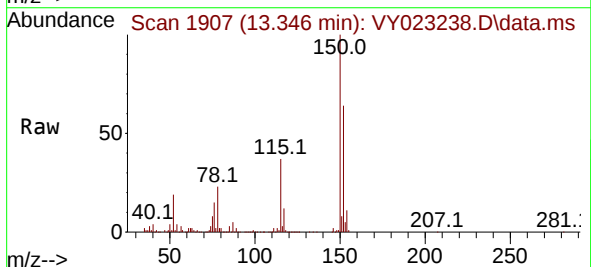
Tgt Ion:152 Resp: 292742

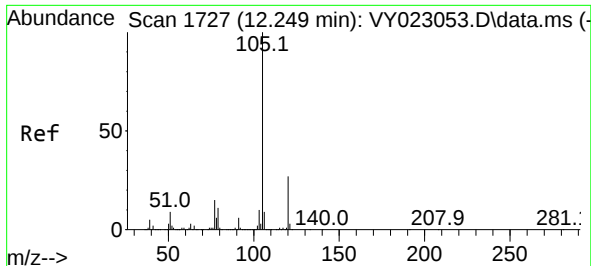
Ion Ratio Lower Upper

152 100

115 56.9 28.2 84.6

150 159.2 0.0 348.0

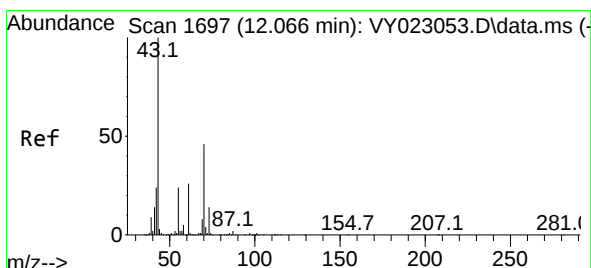
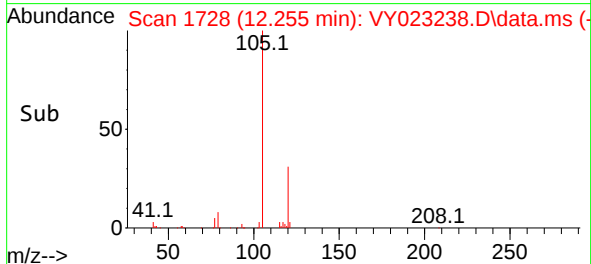
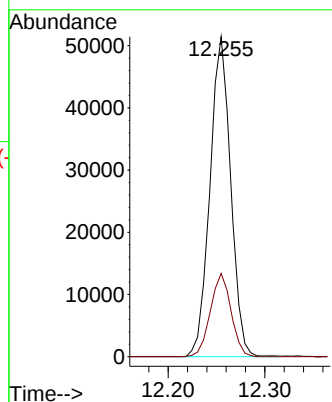
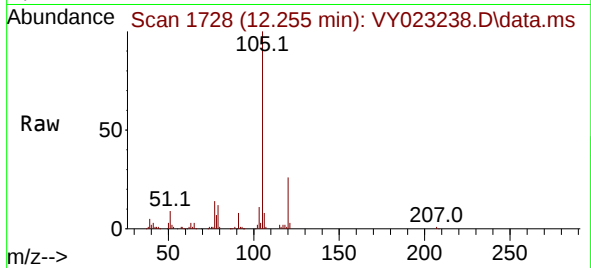




#73
Isopropylbenzene
Concen: 3.715 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

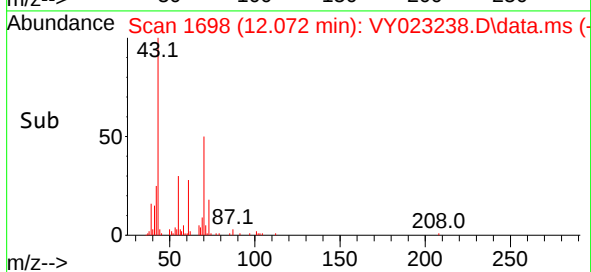
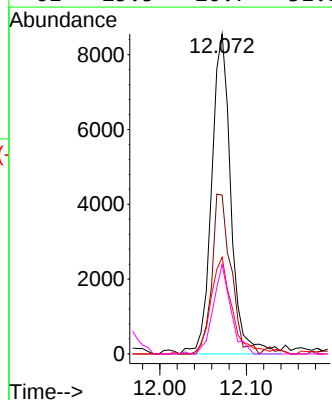
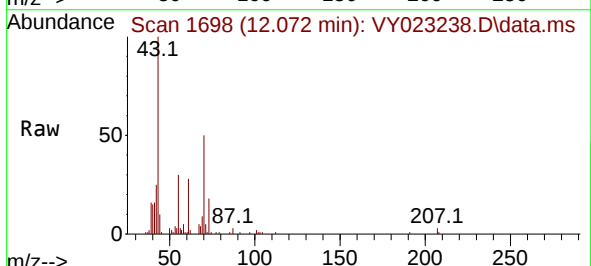
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

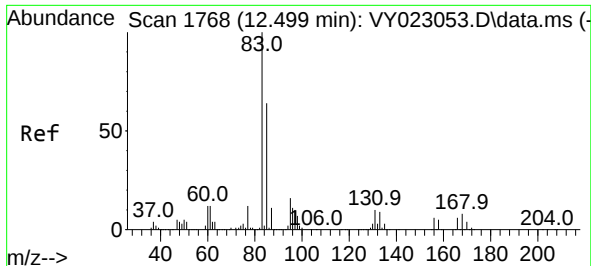
Tgt Ion:105 Resp: 76755
Ion Ratio Lower Upper
105 100
120 25.8 13.4 40.2



#74
N-ethyl acetate
Concen: 3.025 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion: 43 Resp: 13256
Ion Ratio Lower Upper
43 100
70 49.0 37.5 56.3
55 32.7 20.7 31.1#
61 25.5 20.7 31.1

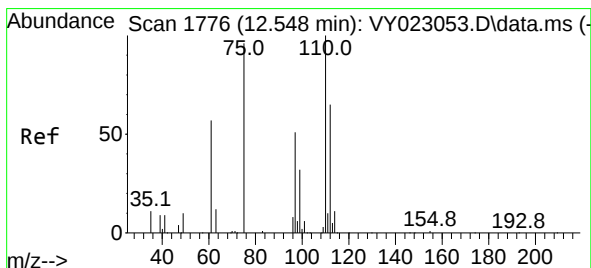
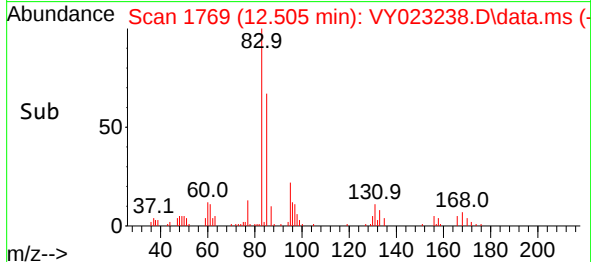
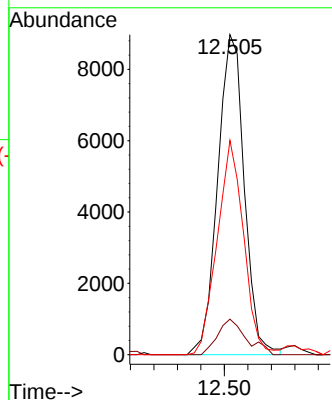
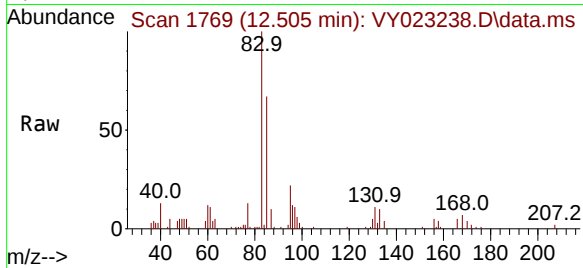




#75
1,1,2,2-Tetrachloroethane
Concen: 4.003 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

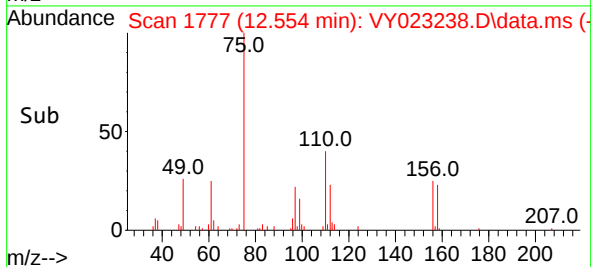
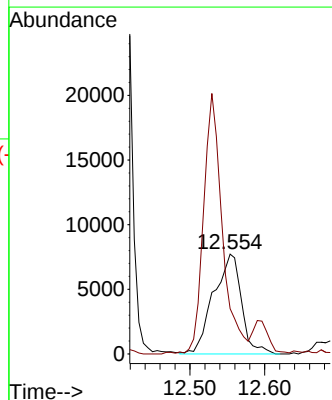
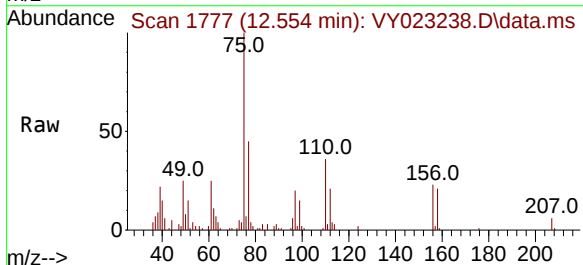
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

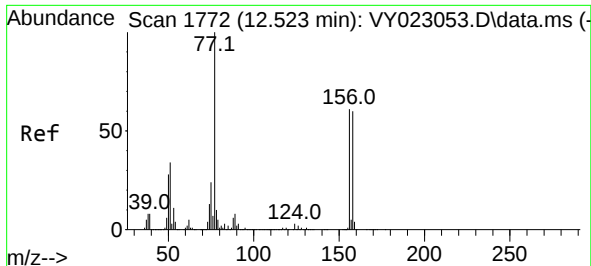
Tgt Ion: 83 Resp: 14123
Ion Ratio Lower Upper
83 100
131 11.9 5.1 15.3
85 66.2 31.8 95.3



#76
1,2,3-Trichloropropane
Concen: 7.115 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion: 75 Resp: 20103
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

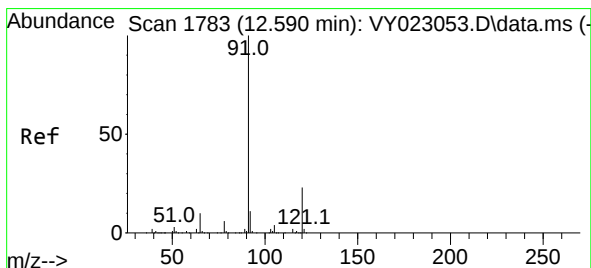
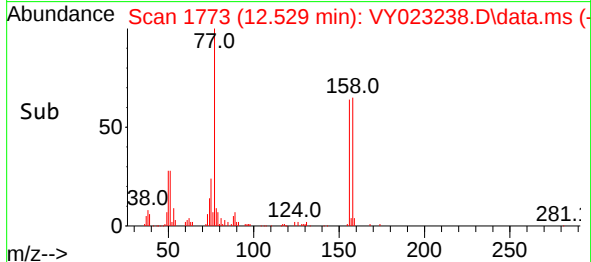
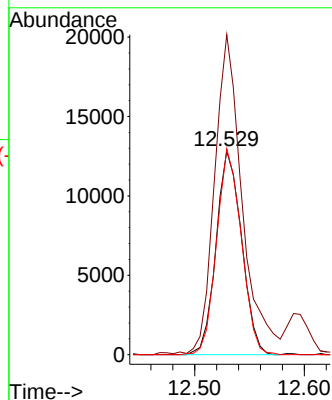
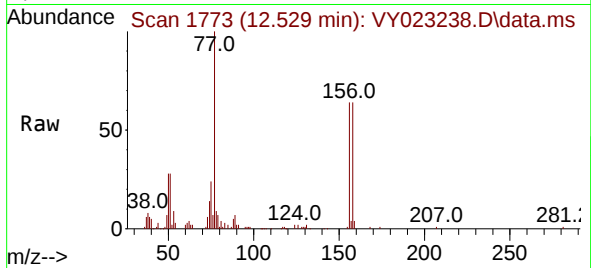




#77
Bromobenzene
Concen: 4.208 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

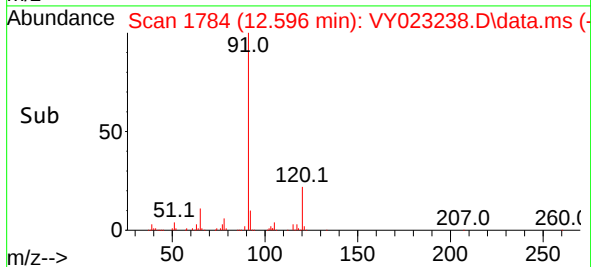
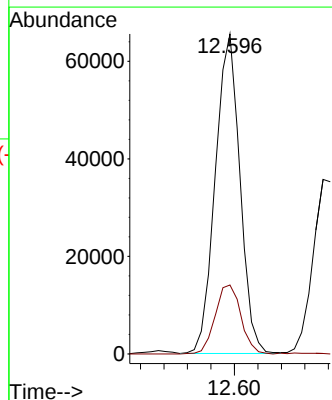
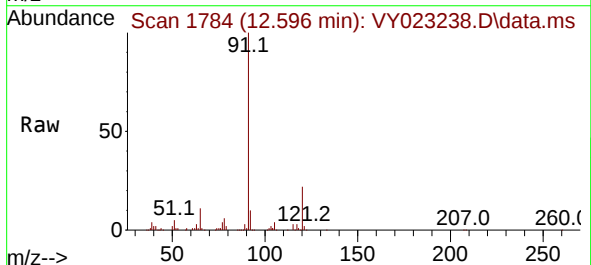
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

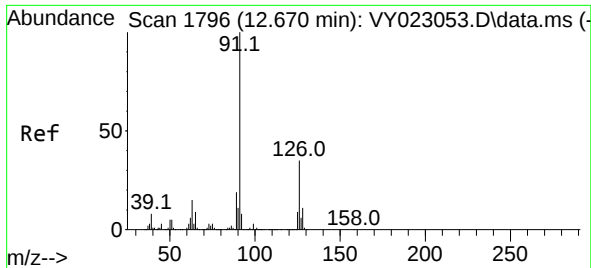
Tgt Ion:156 Resp: 20740
Ion Ratio Lower Upper
156 100
77 168.4 88.1 264.4
158 98.1 48.0 144.0



#78
n-propylbenzene
Concen: 3.882 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion: 91 Resp: 95489
Ion Ratio Lower Upper
91 100
120 22.5 11.5 34.5

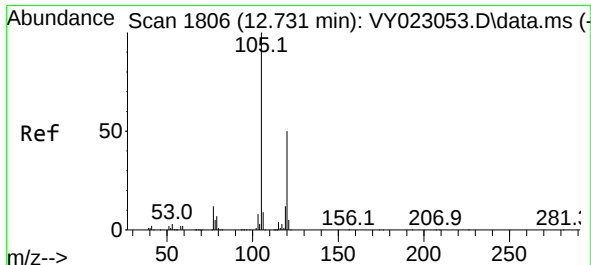
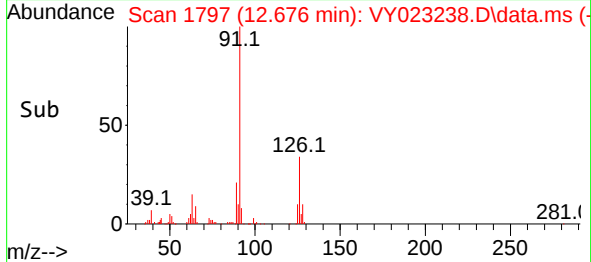
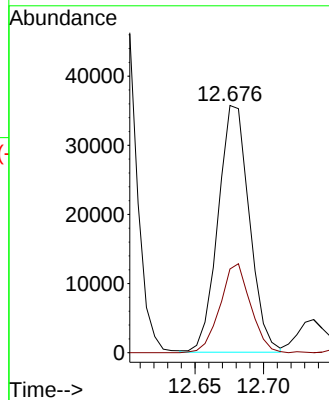
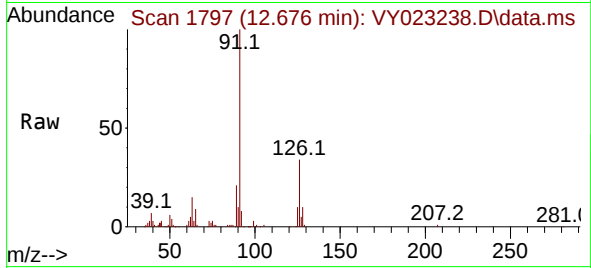




#79
2-Chlorotoluene
Concen: 4.028 ug/l
RT: 12.676 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

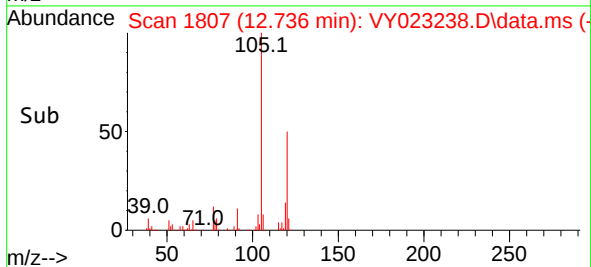
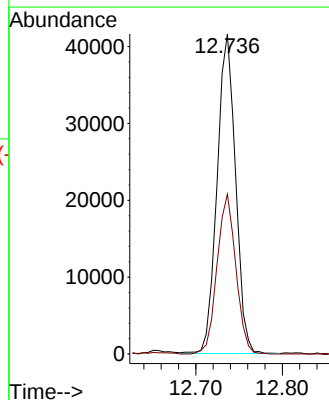
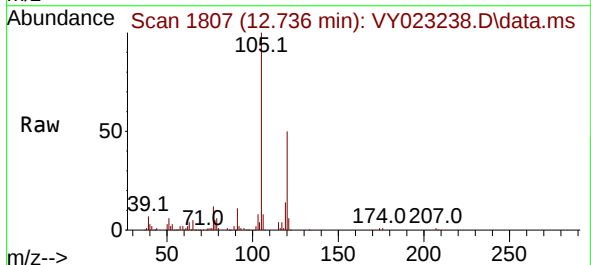
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

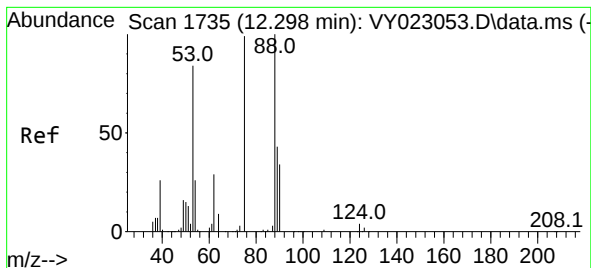
Tgt Ion: 91 Resp: 56771
Ion Ratio Lower Upper
91 100
126 35.0 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 3.686 ug/l
RT: 12.736 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion: 105 Resp: 61553
Ion Ratio Lower Upper
105 100
120 50.8 24.8 74.4

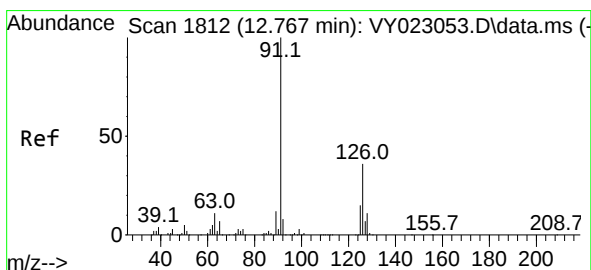
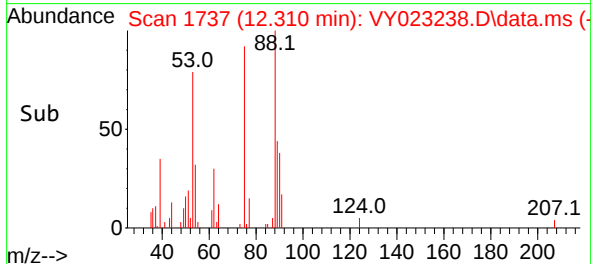
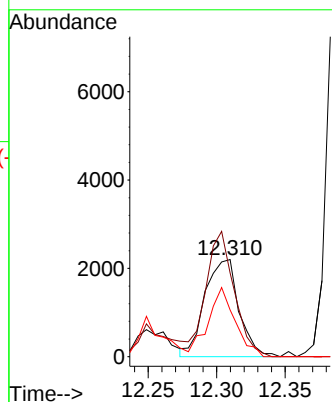
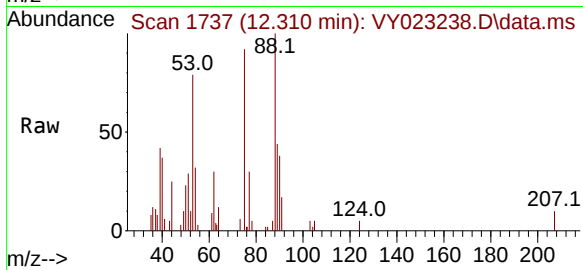




#81
trans-1,4-Dichloro-2-butene
Concen: 3.265 ug/l
RT: 12.310 min Scan# 1737
Delta R.T. 0.012 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

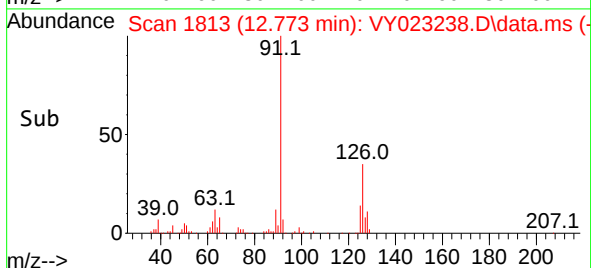
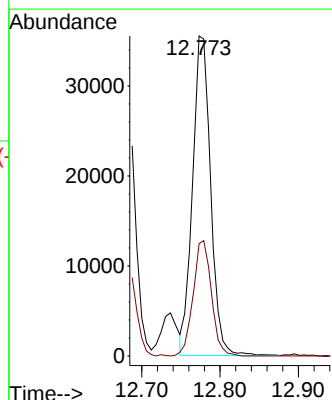
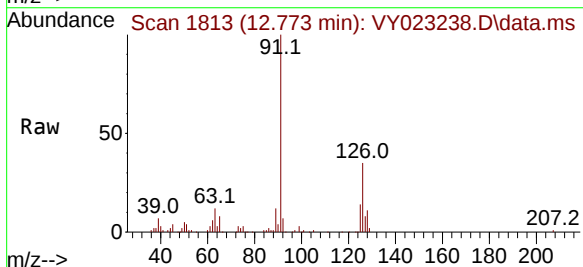
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion: 75 Resp: 3811
Ion Ratio Lower Upper
75 100
53 106.4 70.8 106.2#
89 56.3 38.1 57.1



#82
4-Chlorotoluene
Concen: 3.913 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion: 91 Resp: 57205
Ion Ratio Lower Upper
91 100
126 36.4 17.3 52.0





#83

tert-Butylbenzene

Concen: 3.678 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

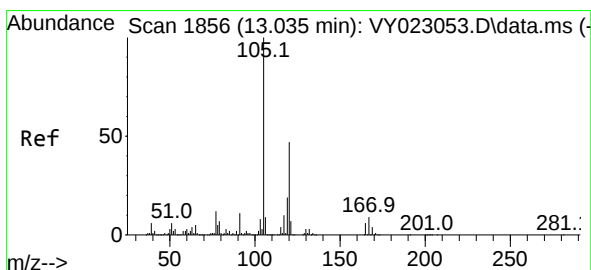
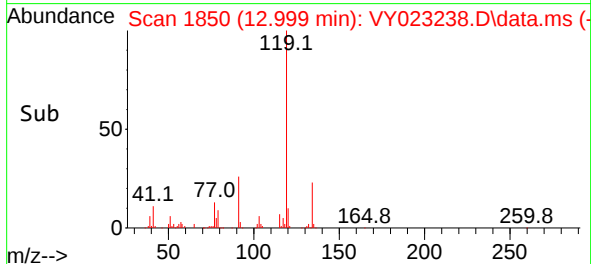
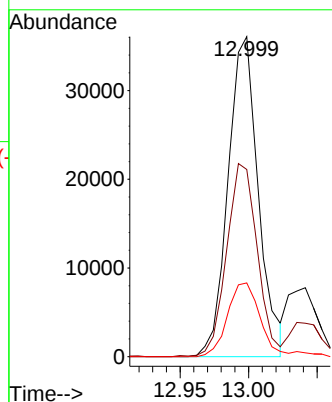
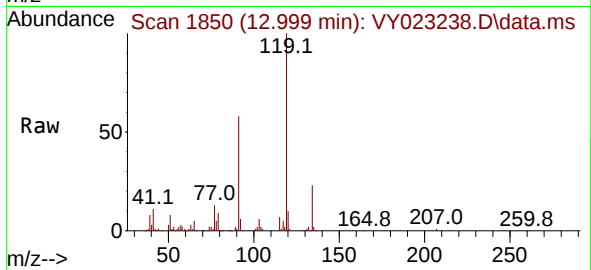
Tgt Ion:119 Resp: 55474

Ion Ratio Lower Upper

119 100

91 61.2 31.6 94.8

134 25.6 12.9 38.7



#84

1,2,4-Trimethylbenzene

Concen: 3.627 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. 0.006 min

Lab File: VY023238.D

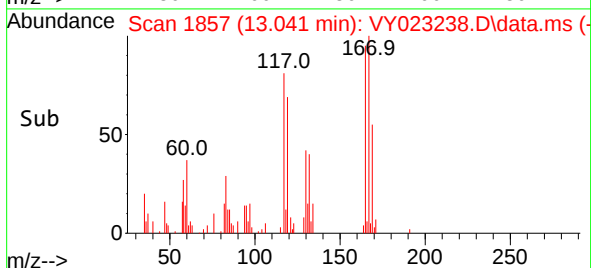
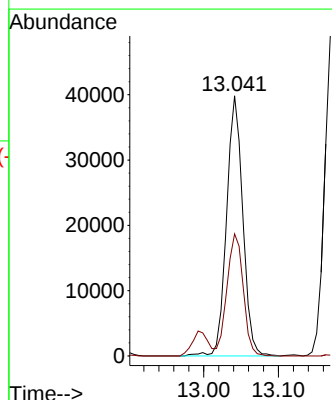
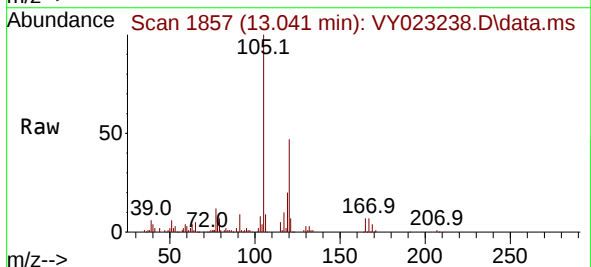
Acq: 29 Aug 2025 11:34

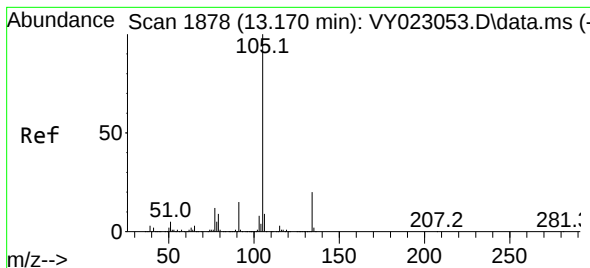
Tgt Ion:105 Resp: 60295

Ion Ratio Lower Upper

105 100

120 46.7 23.0 69.0





#85

sec-Butylbenzene

Concen: 3.722 ug/l

RT: 13.175 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

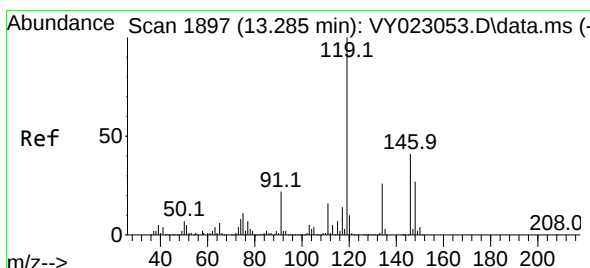
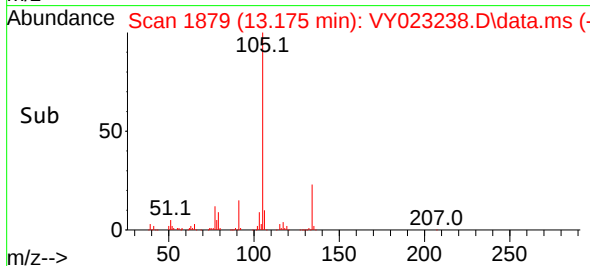
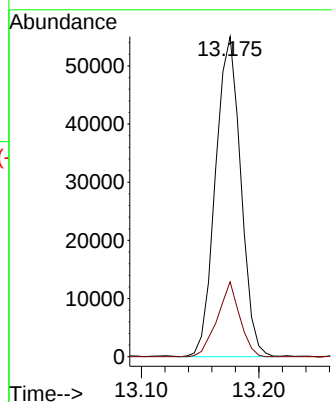
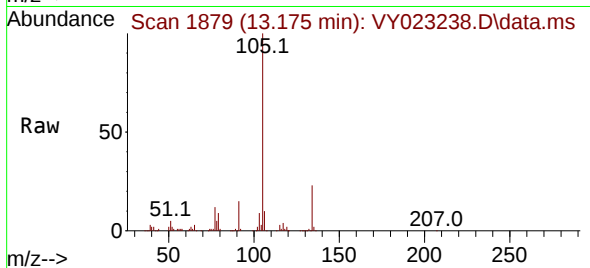
MDL-SOIL-03-QT3-2025

Tgt Ion:105 Resp: 82464

Ion Ratio Lower Upper

105 100

134 20.8 10.2 30.4



#86

p-Isopropyltoluene

Concen: 3.530 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

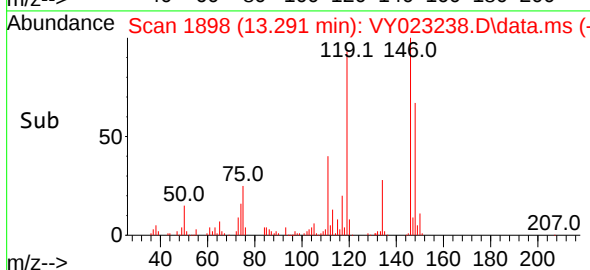
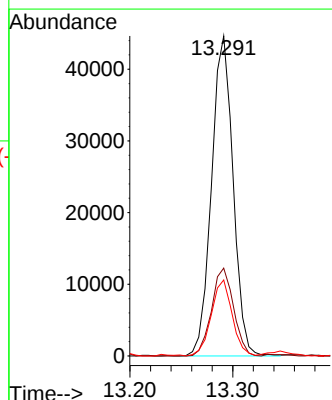
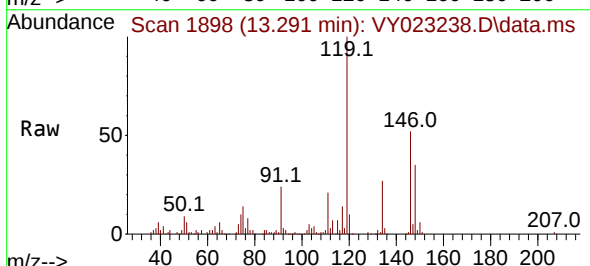
Tgt Ion:119 Resp: 64913

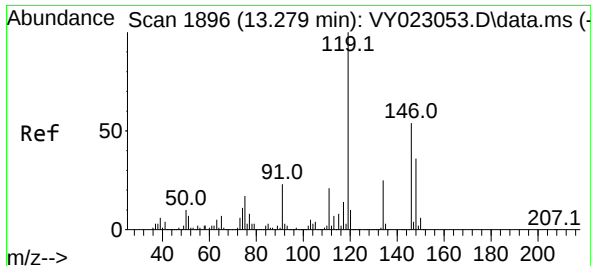
Ion Ratio Lower Upper

119 100

134 27.9 13.2 39.6

91 23.1 11.3 33.8

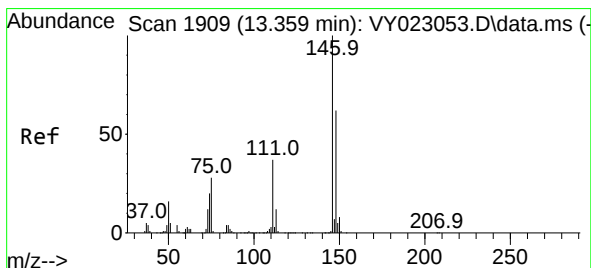
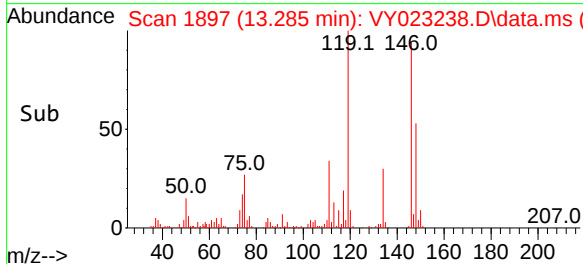
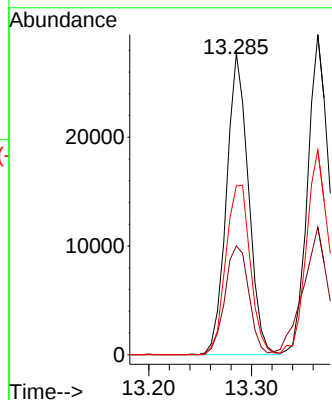
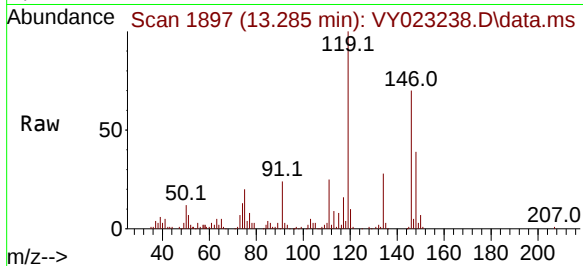




#87
1,3-Dichlorobenzene
Concen: 4.220 ug/l
RT: 13.285 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

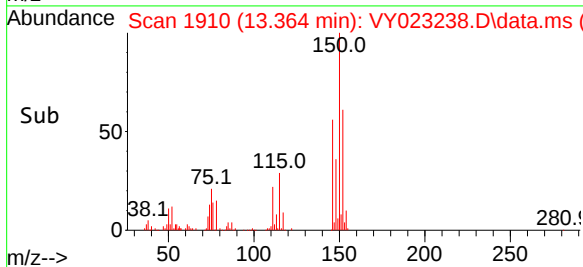
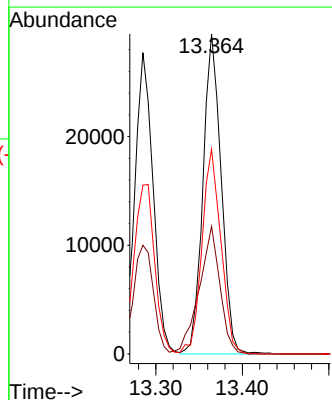
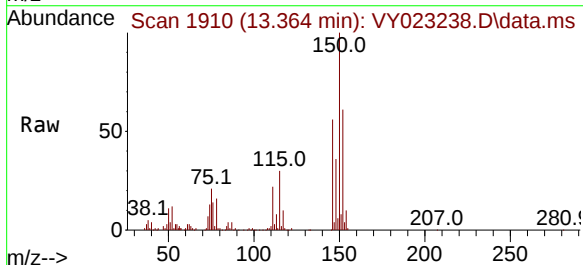
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

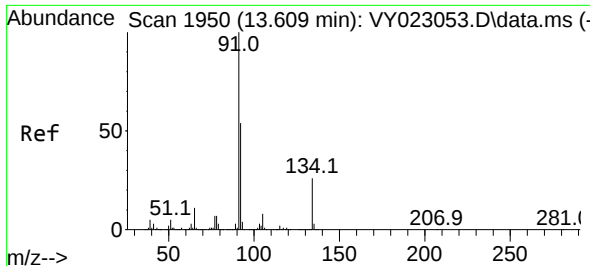
Tgt Ion:146 Resp: 41020
Ion Ratio Lower Upper
146 100
111 39.4 19.6 58.7
148 62.9 32.5 97.5



#88
1,4-Dichlorobenzene
Concen: 4.470 ug/l
RT: 13.364 min Scan# 1910
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion:146 Resp: 43101
Ion Ratio Lower Upper
146 100
111 45.7 19.1 57.1
148 66.4 31.6 94.7

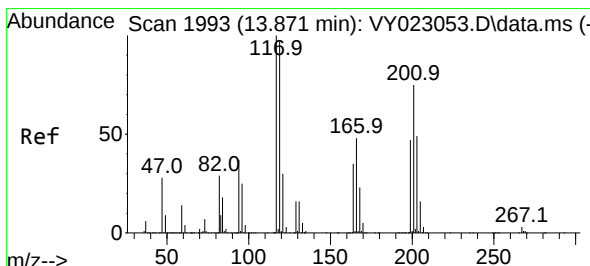
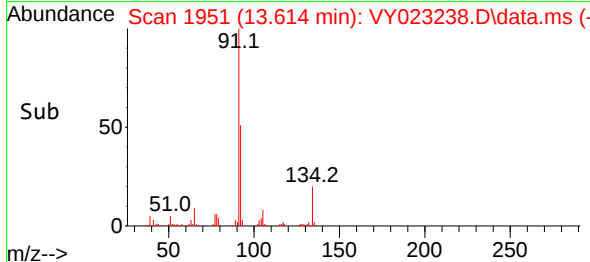
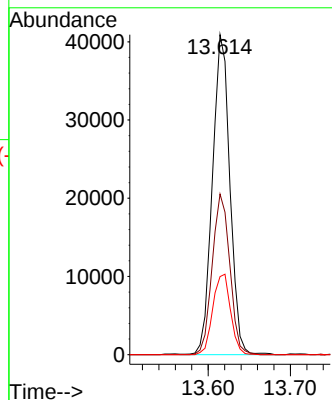
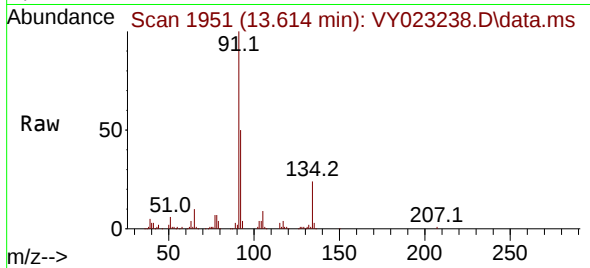




#89
n-Butylbenzene
Concen: 3.576 ug/l
RT: 13.614 min Scan# 1951
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

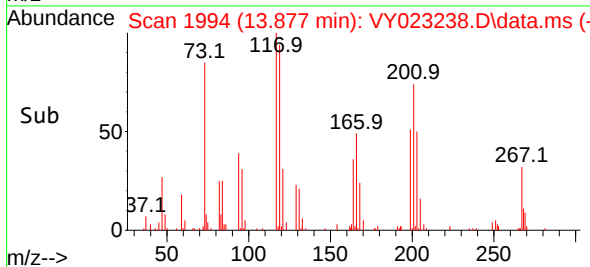
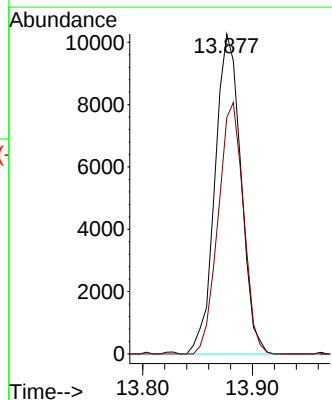
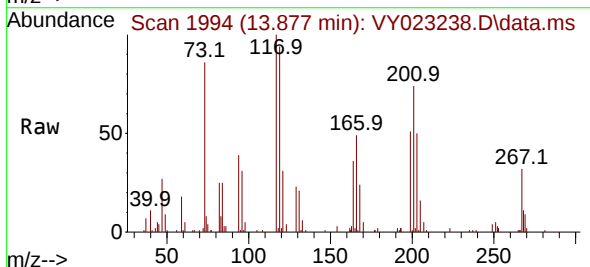
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

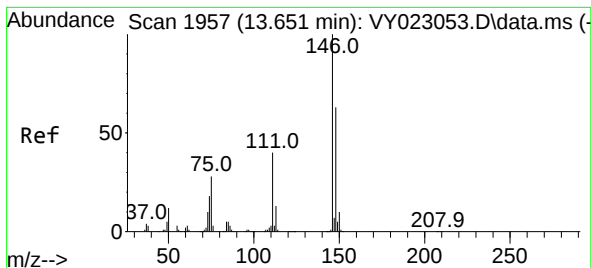
Tgt Ion: 91 Resp: 60405
Ion Ratio Lower Upper
91 100
92 50.5 26.9 80.7
134 25.6 13.2 39.5



#90
Hexachloroethane
Concen: 4.487 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion: 117 Resp: 16892
Ion Ratio Lower Upper
117 100
201 76.5 38.4 115.1





#91

1,2-Dichlorobenzene

Concen: 4.314 ug/l

RT: 13.657 min Scan# 1957

Delta R.T. 0.006 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

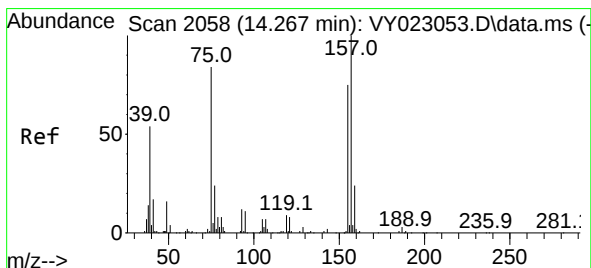
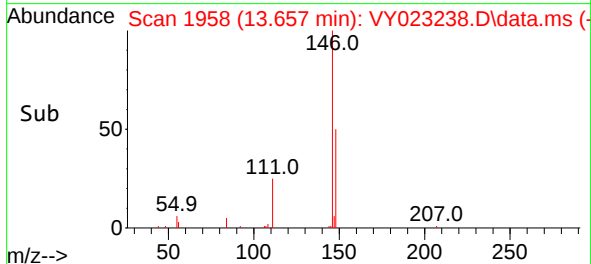
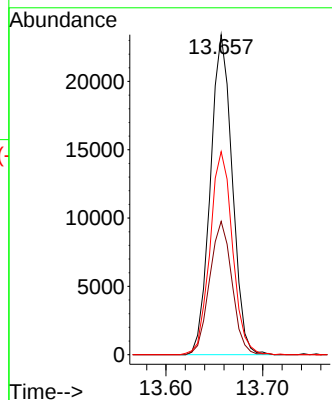
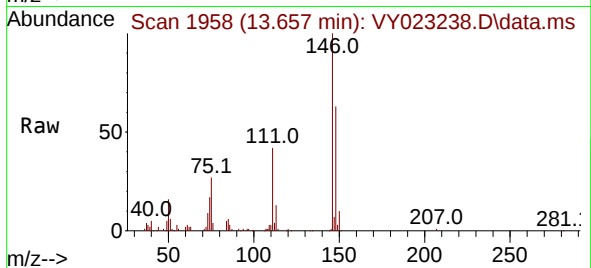
Tgt Ion:146 Resp: 36780

Ion Ratio Lower Upper

146 100

111 42.6 20.3 60.8

148 65.5 32.2 96.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.868 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. 0.006 min

Lab File: VY023238.D

Acq: 29 Aug 2025 11:34

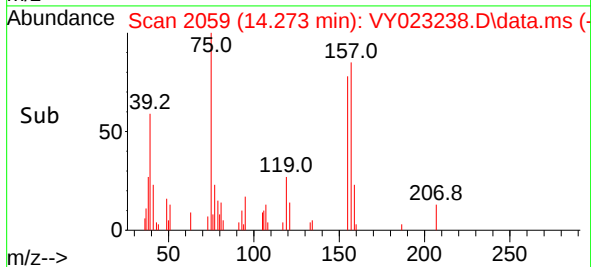
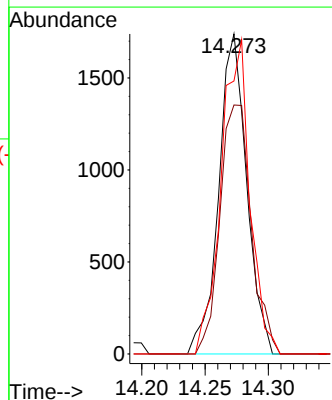
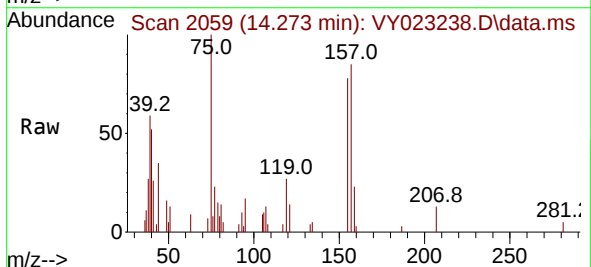
Tgt Ion: 75 Resp: 2674

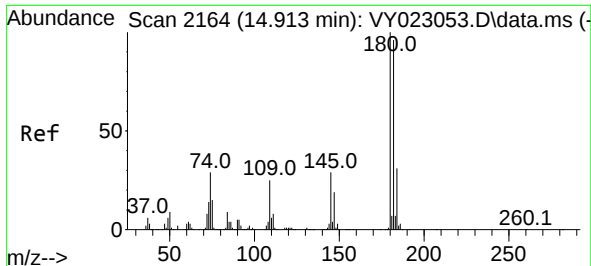
Ion Ratio Lower Upper

75 100

155 87.0 43.9 131.6

157 100.7 57.2 171.6

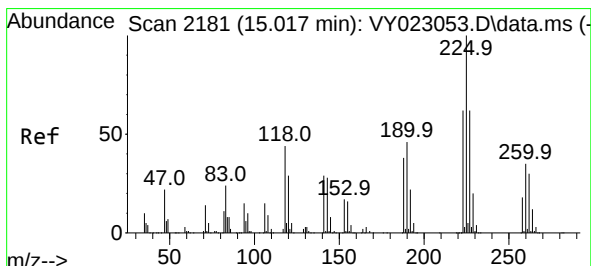
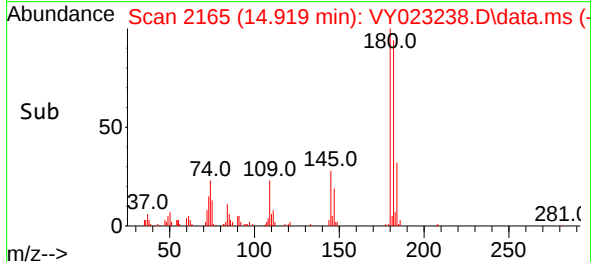
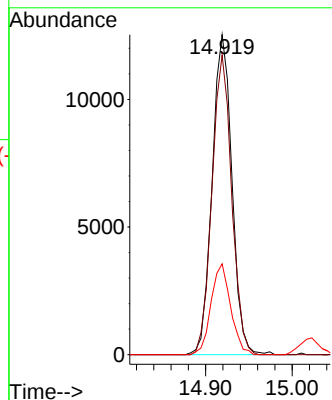
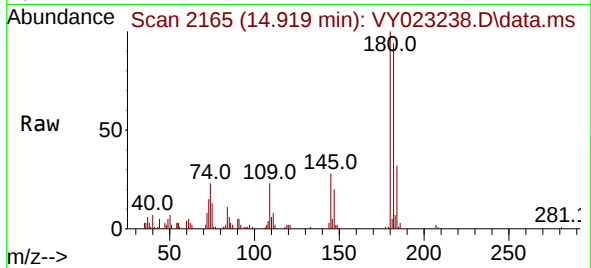




#93
1,2,4-Trichlorobenzene
Concen: 3.946 ug/l
RT: 14.919 min Scan# 2164
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

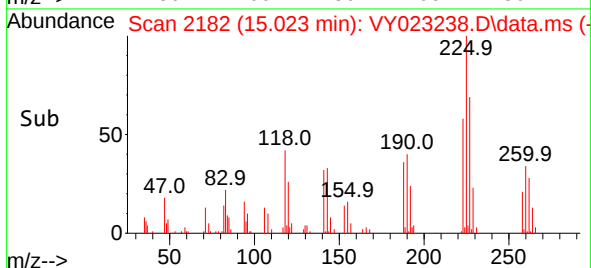
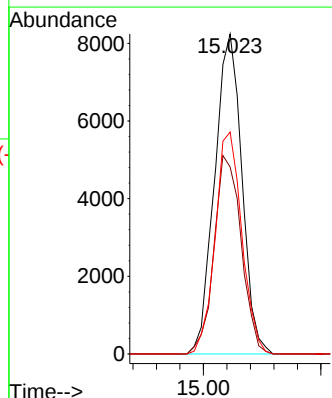
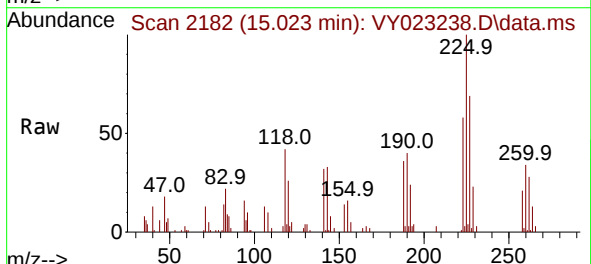
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

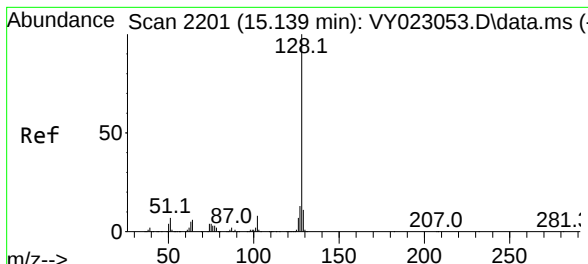
Tgt Ion:180 Resp: 19892
Ion Ratio Lower Upper
180 100
182 93.1 46.8 140.4
145 28.1 14.4 43.4



#94
Hexachlorobutadiene
Concen: 4.478 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion:225 Resp: 13266
Ion Ratio Lower Upper
225 100
223 61.7 31.3 93.8
227 67.8 31.5 94.5

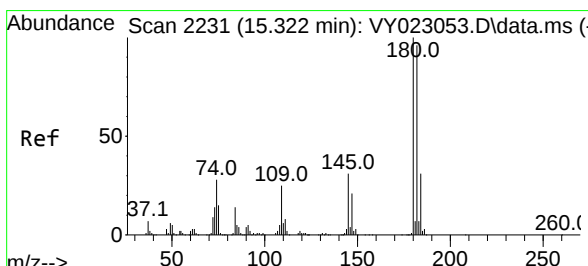
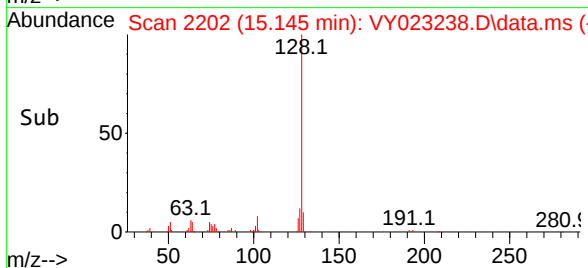
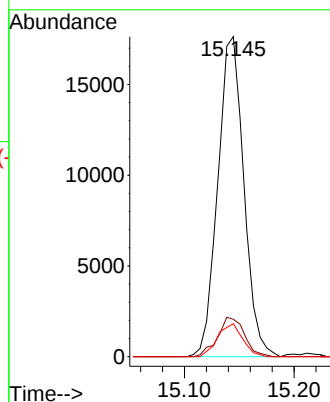
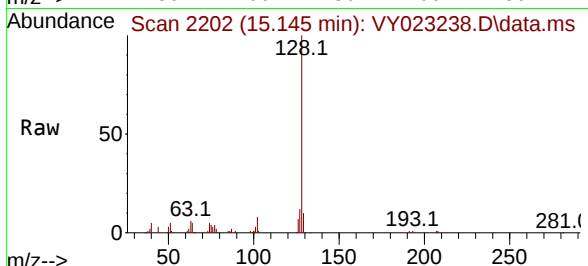




#95
Naphthalene
Concen: 3.385 ug/l
RT: 15.145 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion:128 Resp: 29097
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 9.9 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 4.092 ug/l
RT: 15.327 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY023238.D
Acq: 29 Aug 2025 11:34

Tgt Ion:180 Resp: 17776
Ion Ratio Lower Upper
180 100
182 96.3 47.9 143.7
145 28.5 15.9 47.7

