

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082925\
 Data File : VY023237.D
 Acq On : 29 Aug 2025 11:12
 Operator : SY/MD
 Sample : Q2983-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Aug 30 01:29:05 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	434694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	715461	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	603818	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	284265	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	204788	49.431	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.860%
35) Dibromofluoromethane	7.634	113	215794	50.406	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.820%
50) Toluene-d8	10.109	98	797335	47.675	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.340%
62) 4-Bromofluorobenzene	12.407	95	232641	43.254	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.500%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	9382	2.644	ug/l	91
3) Chloromethane	2.074	50	14327	2.493	ug/l	98
4) Vinyl Chloride	2.208	62	18079	2.545	ug/l	100
5) Bromomethane	2.598	94	17944	3.382	ug/l	93
6) Chloroethane	2.738	64	13662	2.893	ug/l	98
7) Trichlorofluoromethane	3.062	101	22848	2.645	ug/l	96
8) Diethyl Ether	3.458	74	6351	2.779	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.817	101	12683	2.976	ug/l	95
10) Methyl Iodide	4.013	142	10786	2.345	ug/l	99
11) Tert butyl alcohol	4.866	59	3511	12.368	ug/l	97
12) 1,1-Dichloroethene	3.793	96	11823	2.822	ug/l	88
13) Acrolein	3.647	56	256	0.616	ug/l #	68
14) Allyl chloride	4.384	41	13667	2.217	ug/l	93
15) Acrylonitrile	5.073	53	11131	11.980	ug/l	96
16) Acetone	3.872	43	13156	14.658	ug/l	92
17) Carbon Disulfide	4.110	76	32339	2.368	ug/l	100
18) Methyl Acetate	4.397	43	7725	2.892	ug/l #	85
19) Methyl tert-butyl Ether	5.122	73	24612	2.267	ug/l	92
20) Methylene Chloride	4.622	84	21089	3.914	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	12804	2.720	ug/l	85
22) Diisopropyl ether	6.024	45	29406	2.195	ug/l #	89
23) Vinyl Acetate	5.970	43	68830	9.294	ug/l	97
24) 1,1-Dichloroethane	5.915	63	21948	2.680	ug/l	96
25) 2-Butanone	6.908	43	14062	11.520	ug/l	99
26) 2,2-Dichloropropane	6.890	77	18055	2.555	ug/l	93
27) cis-1,2-Dichloroethene	6.890	96	13854	2.546	ug/l	98
28) Bromochloromethane	7.250	49	8777	2.702	ug/l	95
29) Tetrahydrofuran	7.268	42	7884	10.420	ug/l	97
30) Chloroform	7.427	83	23650	2.800	ug/l	94
31) Cyclohexane	7.707	56	24321	3.152	ug/l #	67
32) 1,1,1-Trichloroethane	7.622	97	20710	2.764	ug/l	98
36) 1,1-Dichloropropene	7.841	75	15674	2.464	ug/l	94
37) Ethyl Acetate	6.988	43	6459	2.417	ug/l #	79
38) Carbon Tetrachloride	7.817	117	18683	2.704	ug/l #	90
39) Methylcyclohexane	9.109	83	20446	2.440	ug/l	93
40) Benzene	8.079	78	51589	2.631	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082925\
 Data File : VY023237.D
 Acq On : 29 Aug 2025 11:12
 Operator : SY/MD
 Sample : Q2983-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Aug 30 01:29:05 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)
41) Methacrylonitrile	7.231	41	2695	1.747	ug/l #	80
42) 1,2-Dichloroethane	8.158	62	12954	2.540	ug/l	100
43) Isopropyl Acetate	8.201	43	11631	2.153	ug/l	98
44) Trichloroethene	8.865	130	15035	2.967	ug/l	93
45) 1,2-Dichloropropane	9.140	63	11843	2.625	ug/l	92
46) Dibromomethane	9.237	93	6814	2.631	ug/l	95
47) Bromodichloromethane	9.426	83	17410	2.613	ug/l	95
48) Methyl methacrylate	9.231	41	4894	1.893	ug/l	92
49) 1,4-Dioxane	9.243	88	1404	46.237	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	26398	9.474	ug/l	98
52) Toluene	10.170	92	31724	2.547	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	13657	2.263	ug/l	91
54) cis-1,3-Dichloropropene	9.859	75	16186	2.268	ug/l	95
55) 1,1,2-Trichloroethane	10.572	97	9209	2.657	ug/l #	94
56) Ethyl methacrylate	10.438	69	8483	1.913	ug/l	98
57) 1,3-Dichloropropane	10.719	76	15214	2.589	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	17046	8.150	ug/l	96
59) 2-Hexanone	10.761	43	17297	9.116	ug/l	100
60) Dibromochloromethane	10.914	129	11952	2.614	ug/l	95
61) 1,2-Dibromoethane	11.017	107	8331	2.558	ug/l	97
64) Tetrachloroethene	10.652	164	17805	3.302	ug/l	98
65) Chlorobenzene	11.444	112	36964	2.838	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	11629	2.631	ug/l	88
67) Ethyl Benzene	11.517	91	53489	2.386	ug/l	99
68) m/p-Xylenes	11.633	106	40832	4.664	ug/l	95
69) o-Xylene	11.956	106	18616	2.271	ug/l	98
70) Styrene	11.968	104	29226	2.180	ug/l	98
71) Bromoform	12.133	173	7131	2.760	ug/l #	96
73) Isopropylbenzene	12.255	105	47905	2.388	ug/l	98
74) N-amyl acetate	12.072	43	8061	1.895	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.511	83	8481	2.476	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	12240	4.462	ug/l #	100
77) Bromobenzene	12.529	156	14427	3.014	ug/l	93
78) n-propylbenzene	12.596	91	62387	2.612	ug/l	99
79) 2-Chlorotoluene	12.682	91	36101	2.638	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	38416	2.369	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.407	75	119892	105.786	ug/l #	14
82) 4-Chlorotoluene	12.779	91	37009	2.607	ug/l	97
83) tert-Butylbenzene	12.999	119	34450	2.352	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	38320	2.374	ug/l	100
85) sec-Butylbenzene	13.176	105	53116	2.469	ug/l	98
86) p-Isopropyltoluene	13.291	119	41265	2.311	ug/l	98
87) 1,3-Dichlorobenzene	13.291	146	28082	2.975	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	28502	3.044	ug/l	90
89) n-Butylbenzene	13.621	91	41480	2.529	ug/l	97
90) Hexachloroethane	13.877	117	10811	2.957	ug/l	93
91) 1,2-Dichlorobenzene	13.657	146	23917	2.889	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	1388	2.602	ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	14153	2.891	ug/l	95
94) Hexachlorobutadiene	15.023	225	9332	3.244	ug/l	97
95) Naphthalene	15.145	128	20469	2.452	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	13015	3.085	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082925\
Data File : VY023237.D
Acq On : 29 Aug 2025 11:12
Operator : SY/MD
Sample : Q2983-03
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Aug 30 01:29:05 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

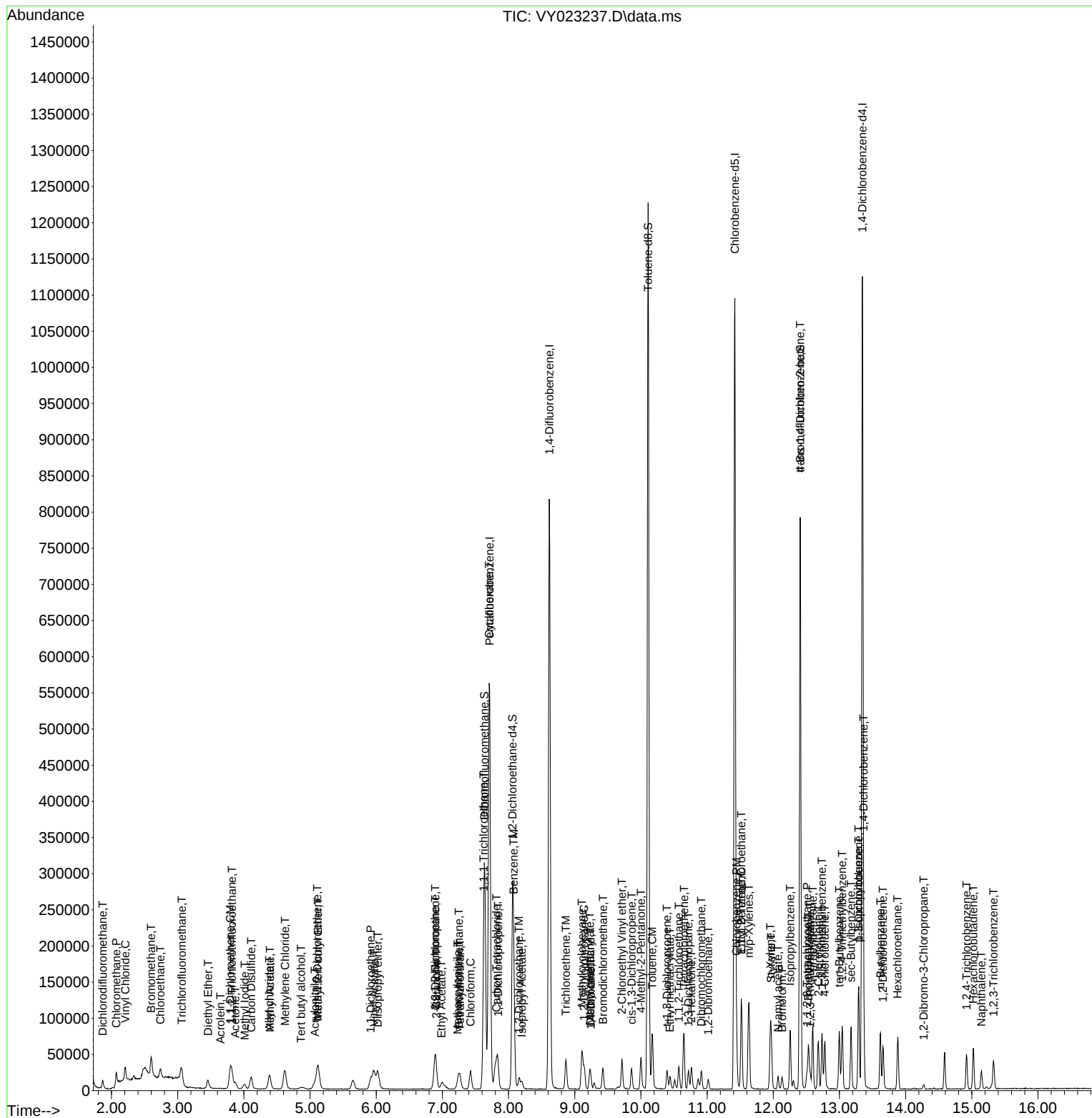
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082925\
 Data File : VY023237.D
 Acq On : 29 Aug 2025 11:12
 Operator : SY/MD
 Sample : Q2983-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Aug 30 01:29:05 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

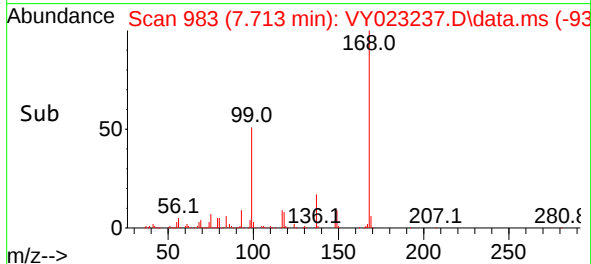
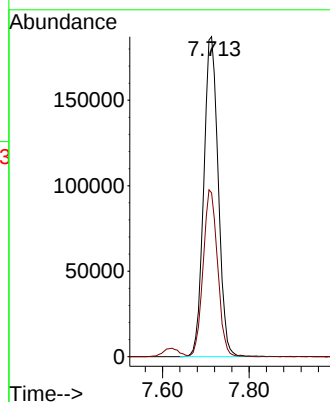
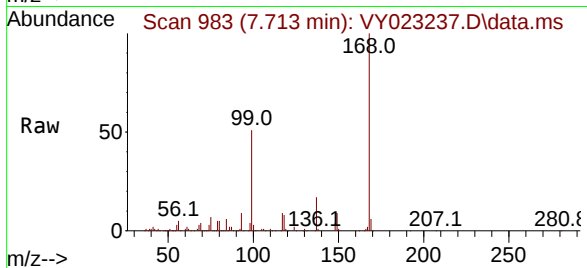




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

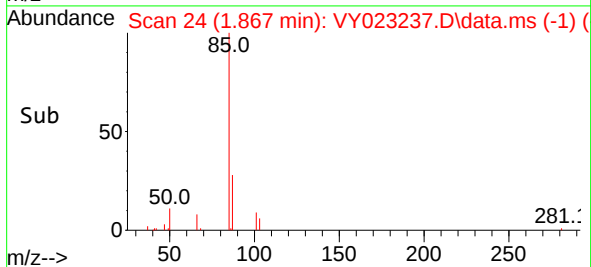
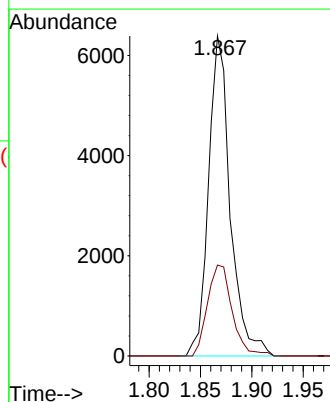
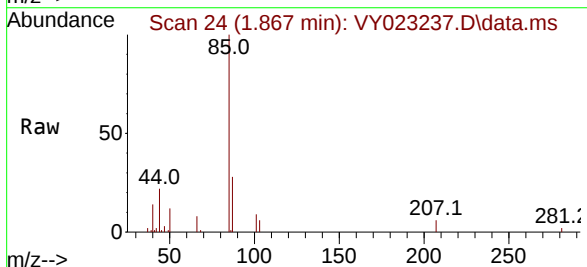
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion:168 Resp: 434694
Ion Ratio Lower Upper
168 100
99 51.2 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 2.644 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion: 85 Resp: 9382
Ion Ratio Lower Upper
85 100
87 28.4 16.6 49.8

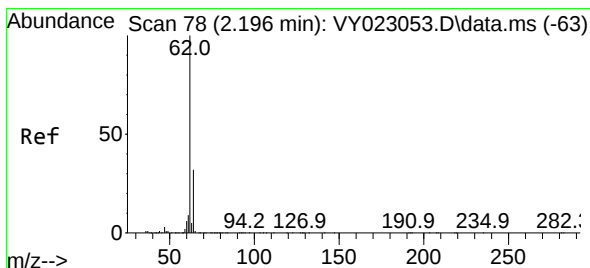
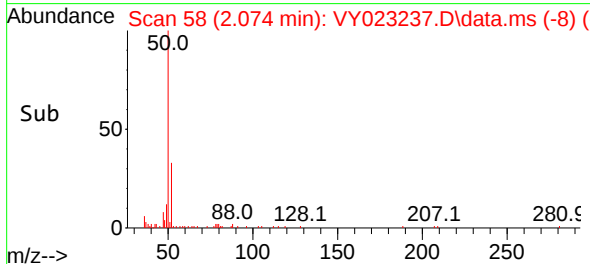
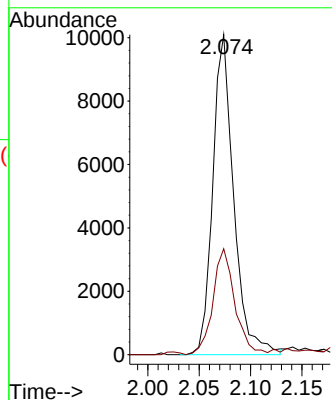
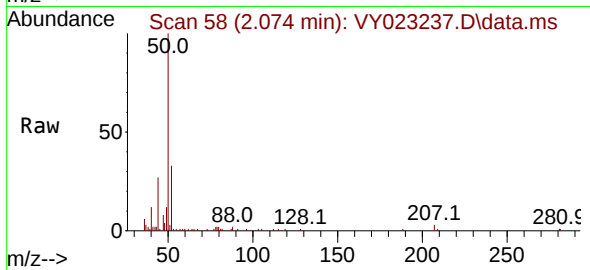




#3
Chloromethane
Concen: 2.493 ug/l
RT: 2.074 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

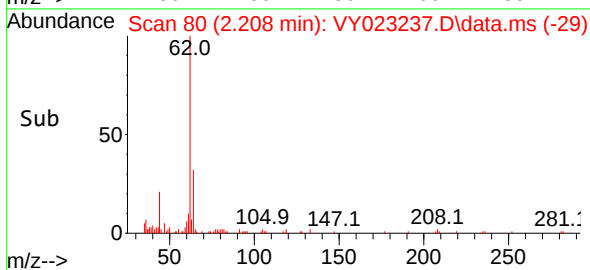
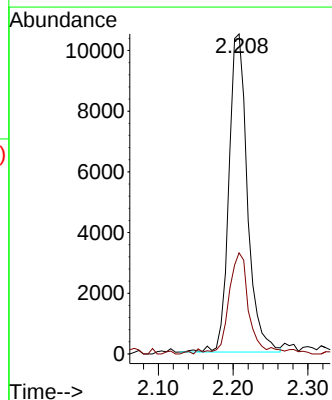
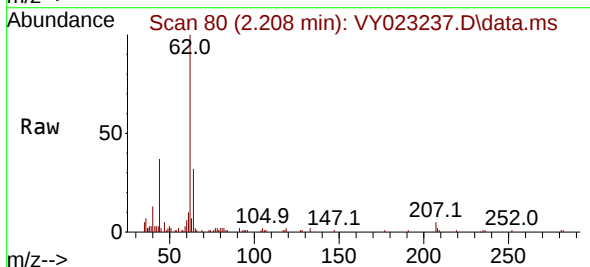
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion: 50 Resp: 14327
Ion Ratio Lower Upper
50 100
52 32.5 26.7 40.1



#4
Vinyl Chloride
Concen: 2.545 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion: 62 Resp: 18079
Ion Ratio Lower Upper
62 100
64 31.8 25.4 38.0

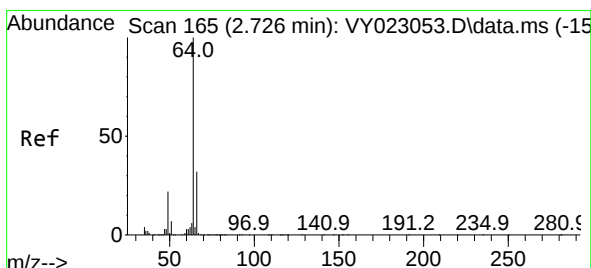
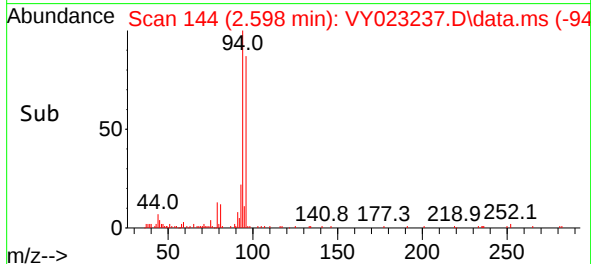
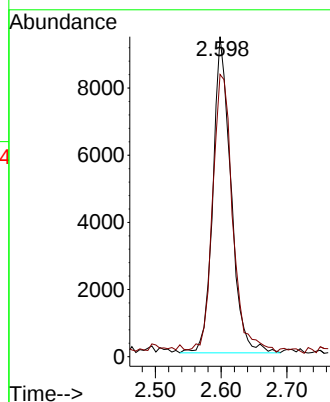
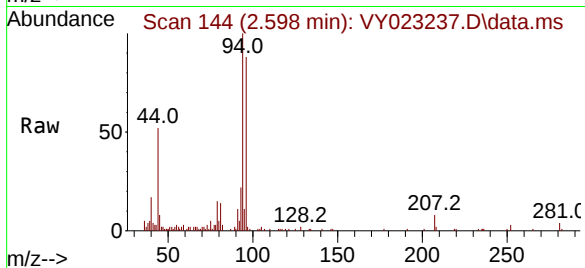




#5
Bromomethane
Concen: 3.382 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

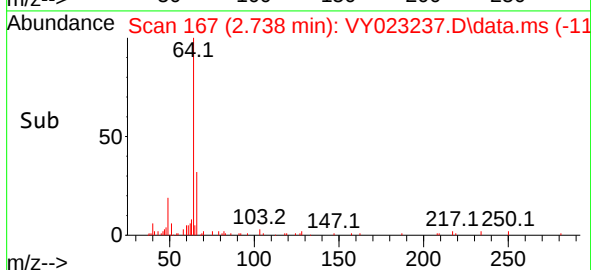
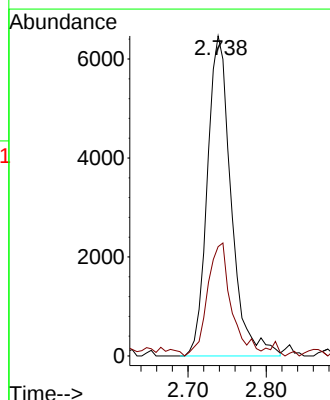
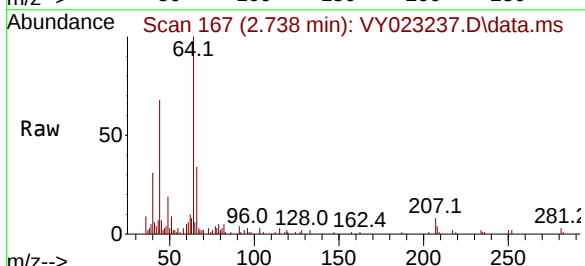
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

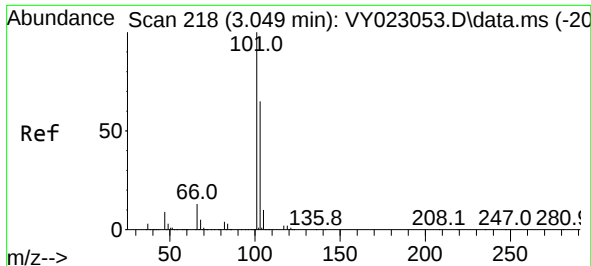
Tgt Ion: 94 Resp: 17944
Ion Ratio Lower Upper
94 100
96 86.9 74.6 112.0



#6
Chloroethane
Concen: 2.893 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion: 64 Resp: 13662
Ion Ratio Lower Upper
64 100
66 33.0 25.8 38.6

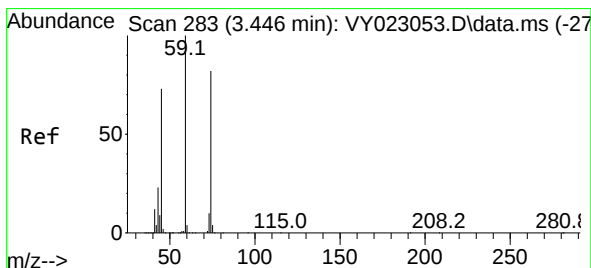
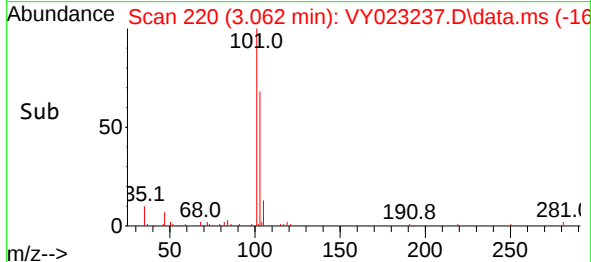
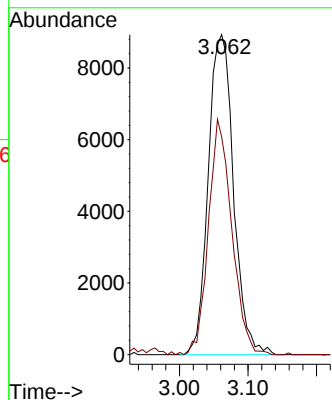
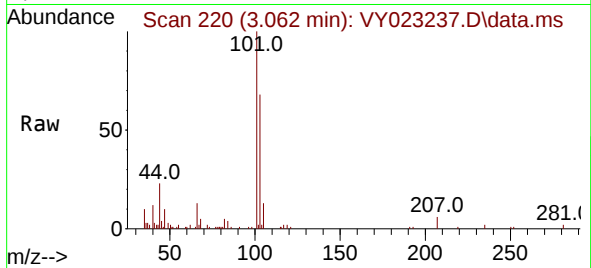




#7
 Trichlorofluoromethane
 Concen: 2.645 ug/l
 RT: 3.062 min Scan# 218
 Delta R.T. 0.012 min
 Lab File: VY023237.D
 Acq: 29 Aug 2025 11:12

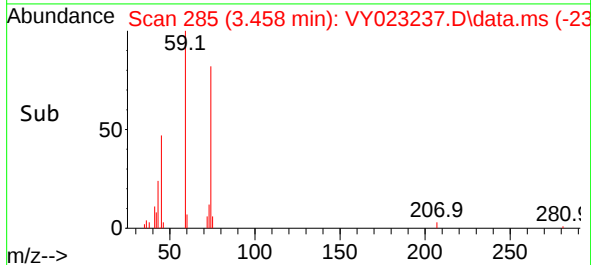
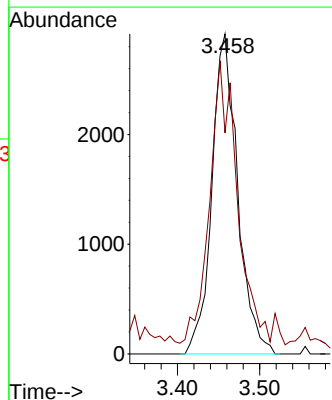
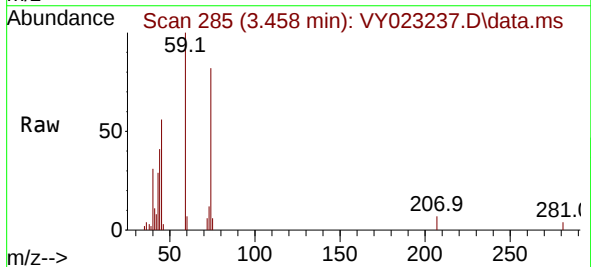
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

Tgt Ion:101 Resp: 22848
 Ion Ratio Lower Upper
 101 100
 103 68.1 51.9 77.9



#8
 Diethyl Ether
 Concen: 2.779 ug/l
 RT: 3.458 min Scan# 285
 Delta R.T. 0.012 min
 Lab File: VY023237.D
 Acq: 29 Aug 2025 11:12

Tgt Ion: 74 Resp: 6351
 Ion Ratio Lower Upper
 74 100
 45 93.7 44.4 133.2

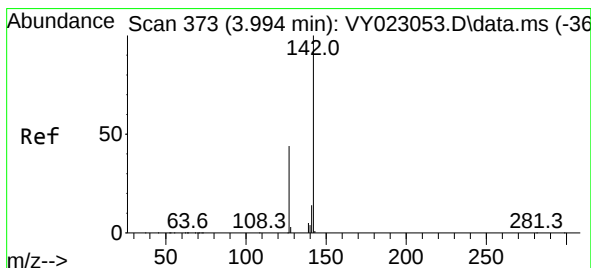
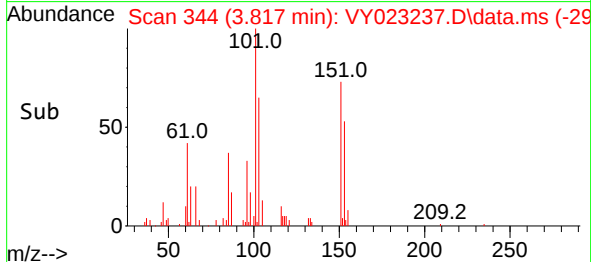
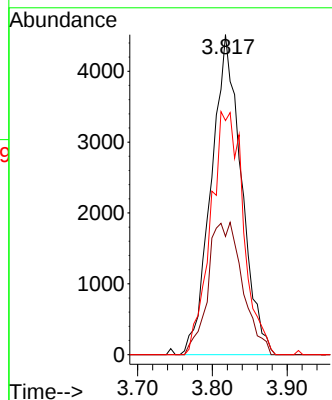
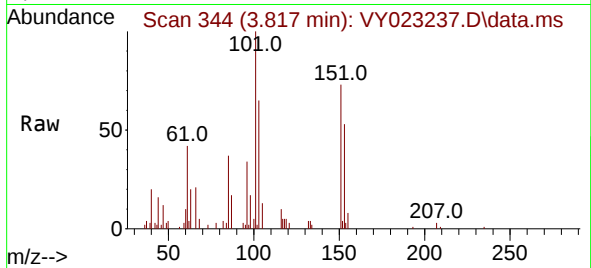




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.976 ug/l
RT: 3.817 min Scan# 344
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

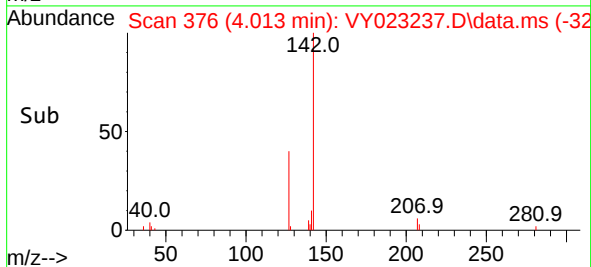
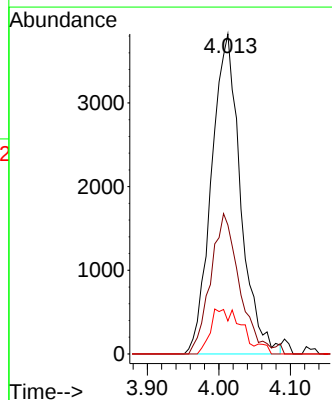
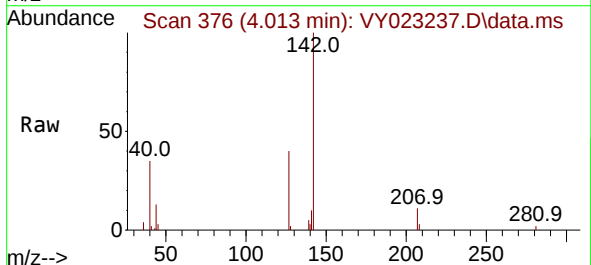
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion:	101	Resp:	12683
Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.3	54.5
151	82.6	61.5	92.3



#10
Methyl Iodide
Concen: 2.345 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.018 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion:	142	Resp:	10786
Ion	Ratio	Lower	Upper
142	100		
127	44.4	34.9	52.3
141	14.4	11.3	16.9

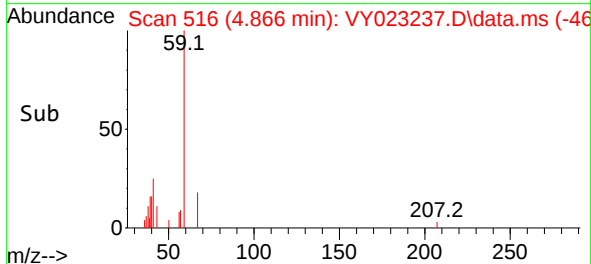
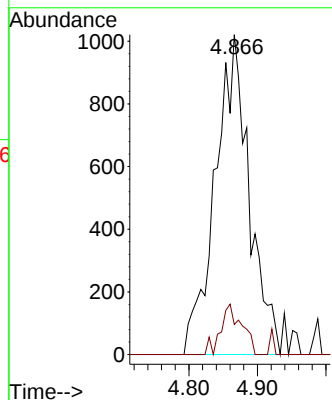
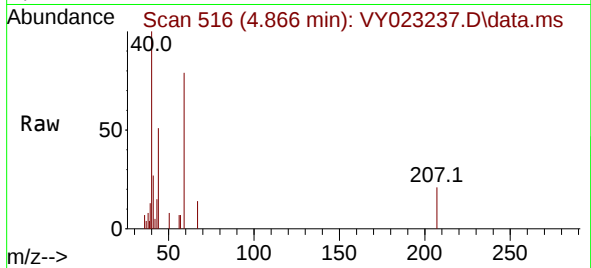




#11
Tert butyl alcohol
Concen: 12.368 ug/l
RT: 4.866 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

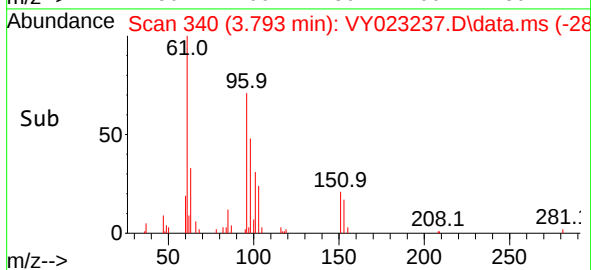
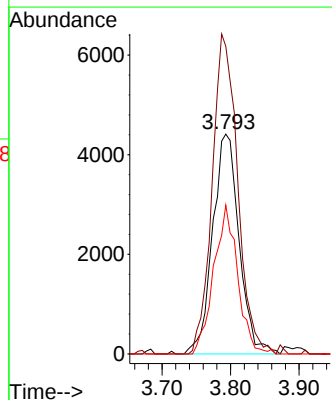
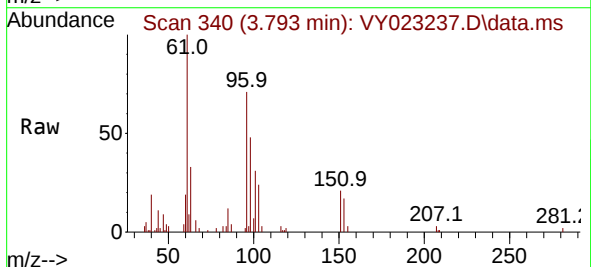
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion: 59 Resp: 3511
Ion Ratio Lower Upper
59 100
57 9.8 8.6 13.0



#12
1,1-Dichloroethene
Concen: 2.822 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion: 96 Resp: 11823
Ion Ratio Lower Upper
96 100
61 139.9 129.4 194.2
98 67.7 52.8 79.2

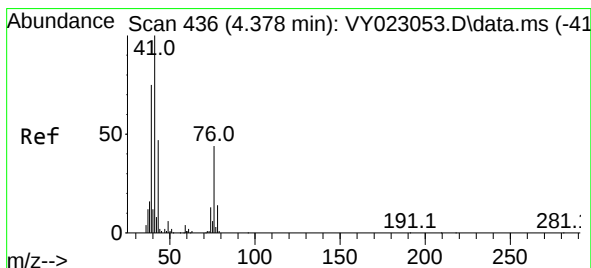
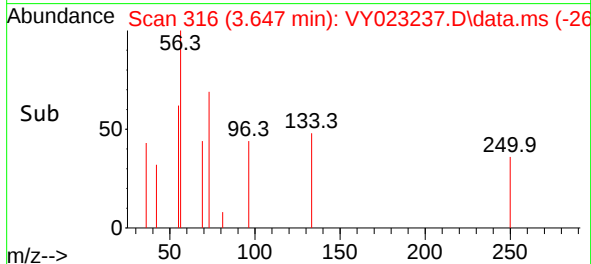
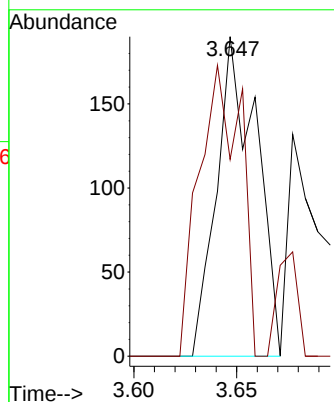
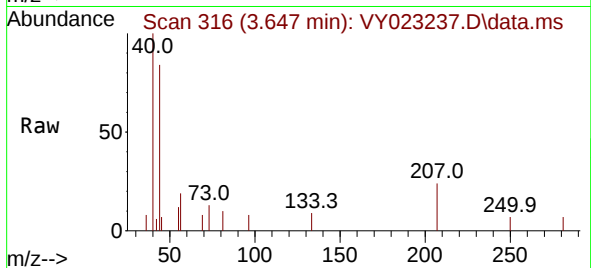




#13
Acrolein
Concen: 0.616 ug/l
RT: 3.647 min Scan# 316
Delta R.T. -0.000 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

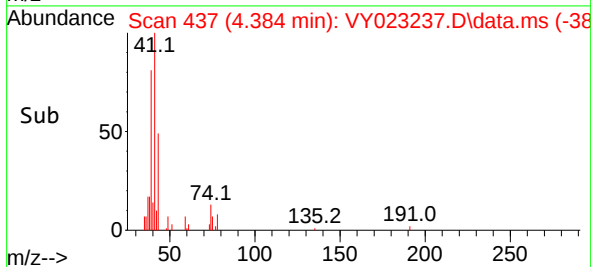
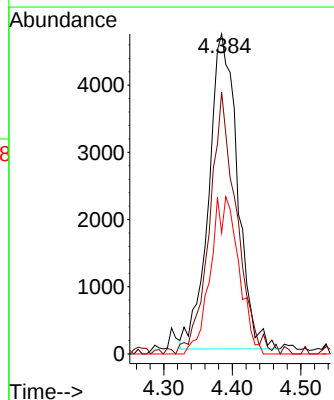
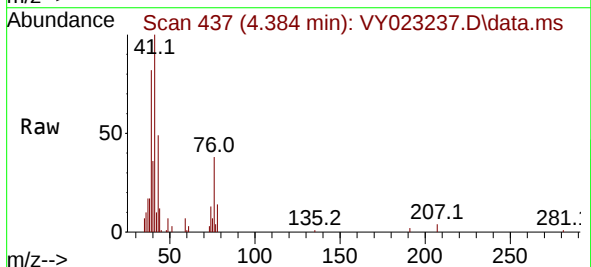
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

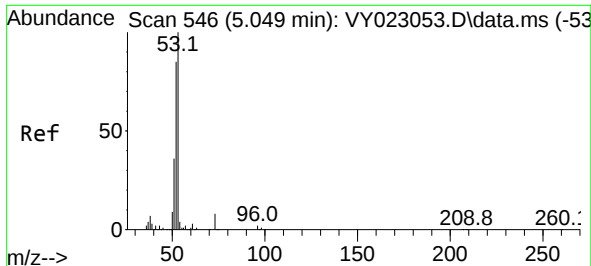
Tgt Ion: 56 Resp: 256
Ion Ratio Lower Upper
56 100
55 95.3 55.2 82.8#



#14
Allyl chloride
Concen: 2.217 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion: 41 Resp: 13667
Ion Ratio Lower Upper
41 100
39 78.2 59.8 89.6
76 49.1 33.7 50.5

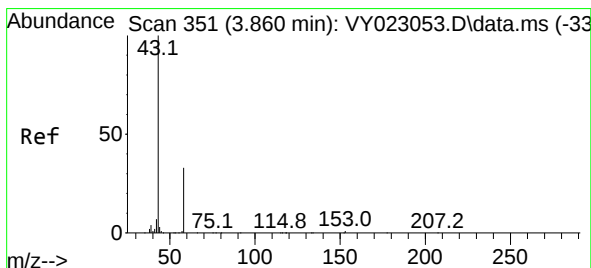
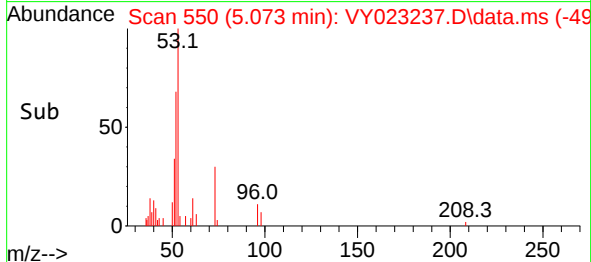
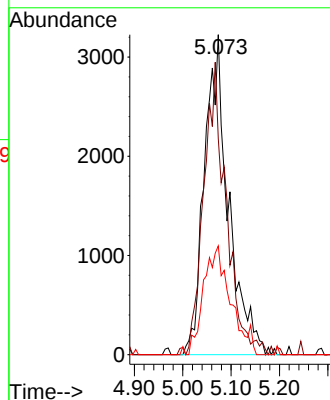
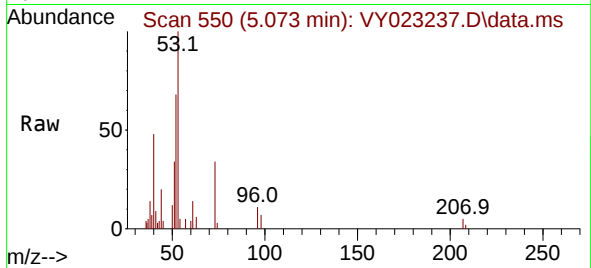




#15
Acrylonitrile
Concen: 11.980 ug/l
RT: 5.073 min Scan# 511
Delta R.T. 0.024 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

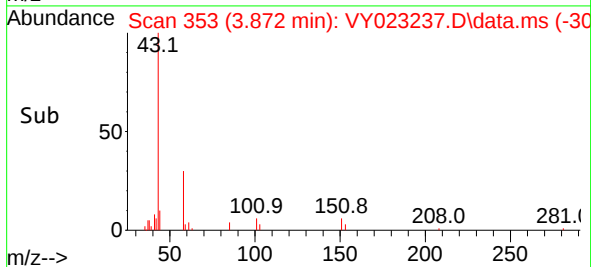
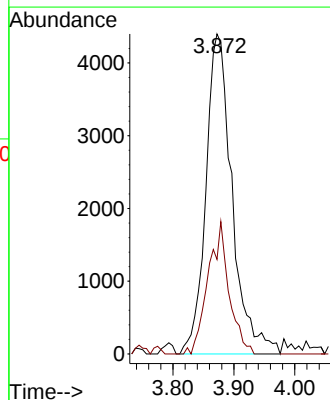
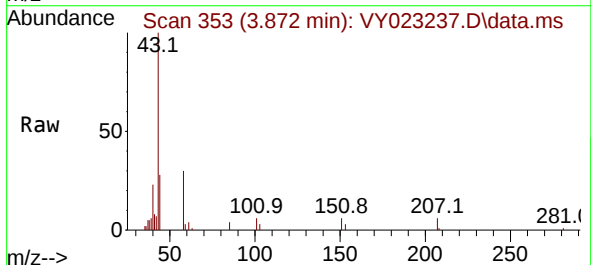
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

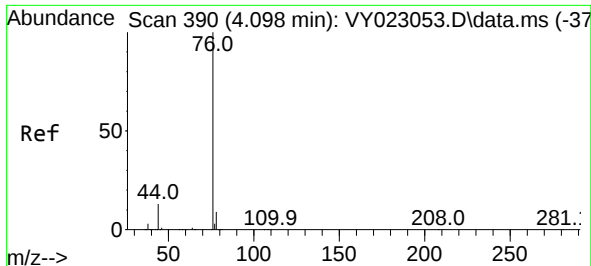
Tgt Ion: 53	Resp: 11131
Ion Ratio	Lower Upper
53 100	
52 85.6	65.3 97.9
51 38.3	29.5 44.3



#16
Acetone
Concen: 14.658 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion: 43	Resp: 13156
Ion Ratio	Lower Upper
43 100	
58 29.6	27.1 40.7

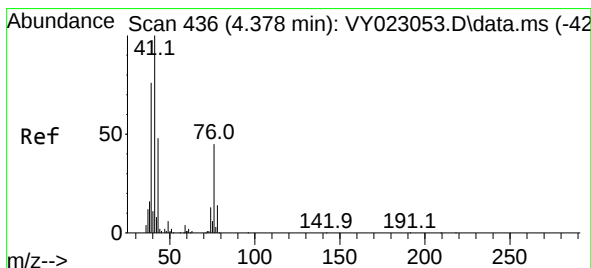
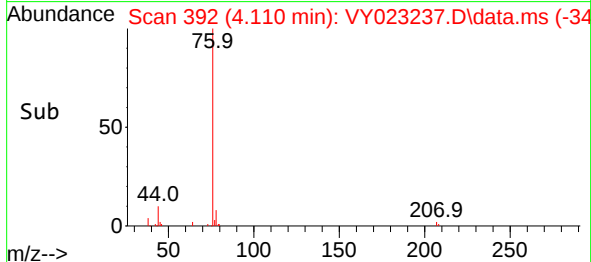
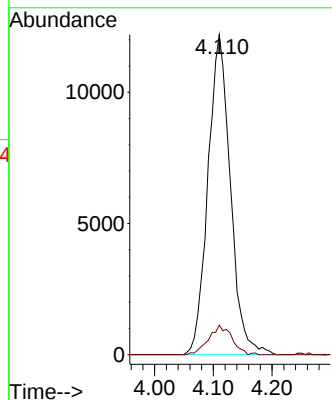
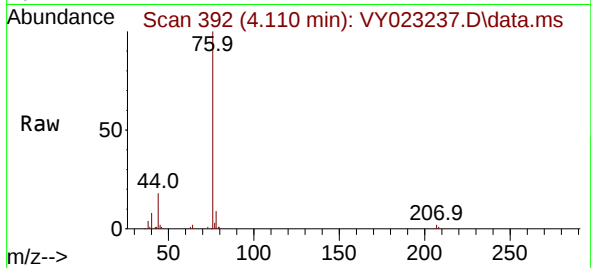




#17
Carbon Disulfide
Concen: 2.368 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

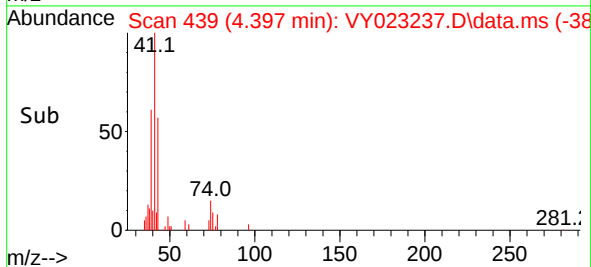
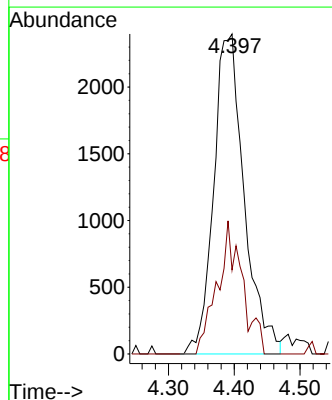
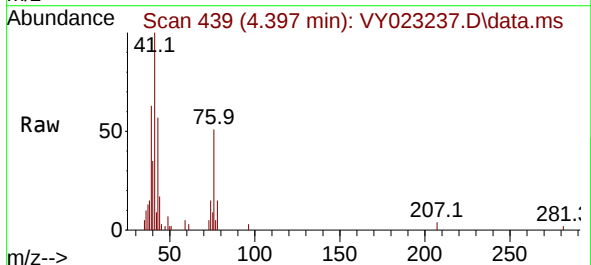
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

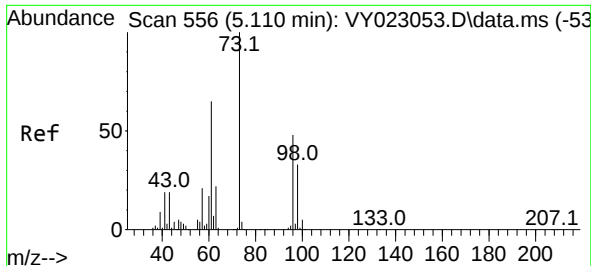
Tgt Ion: 76 Resp: 32339
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 2.892 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.018 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion: 43 Resp: 7725
Ion Ratio Lower Upper
43 100
74 34.1 21.2 31.8#





#19

Methyl tert-butyl Ether

Concen: 2.267 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

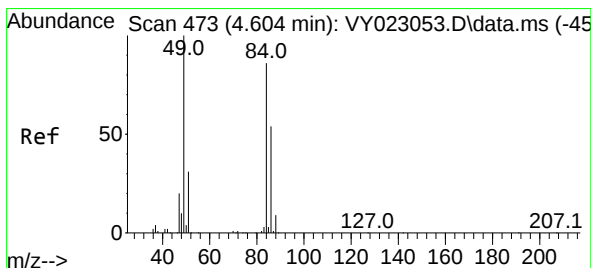
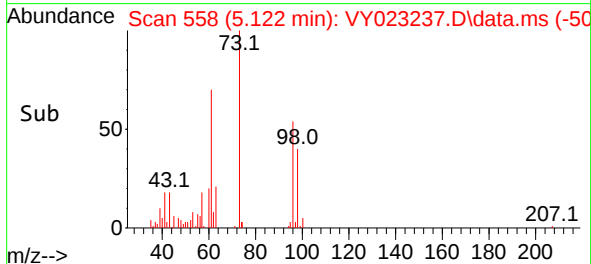
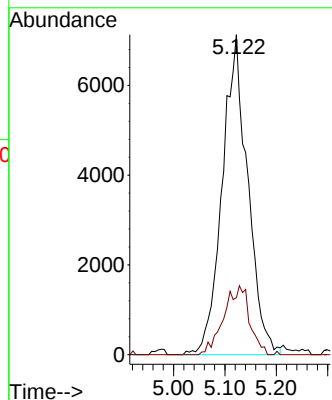
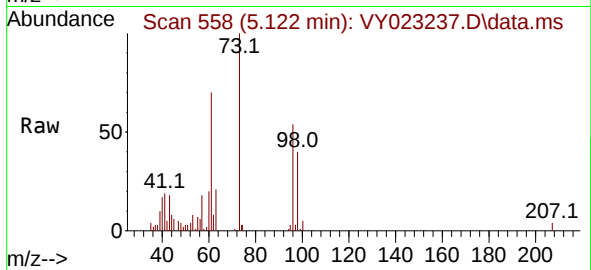
MDL-SOIL-03-QT3-2025

Tgt Ion: 73 Resp: 24612

Ion Ratio Lower Upper

73 100

57 17.8 17.1 25.7



#20

Methylene Chloride

Concen: 3.914 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.018 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Tgt Ion: 84 Resp: 21089

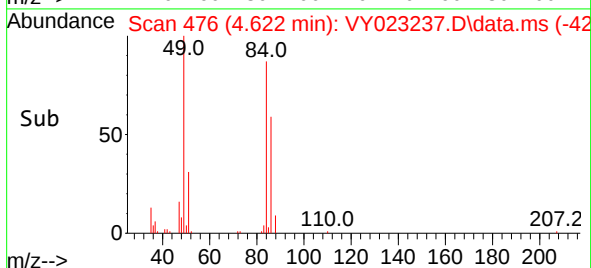
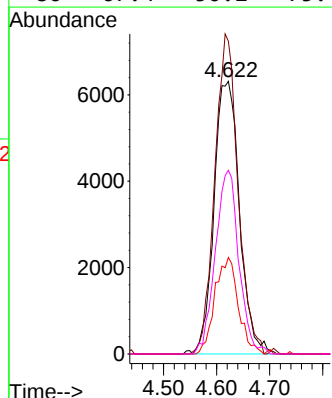
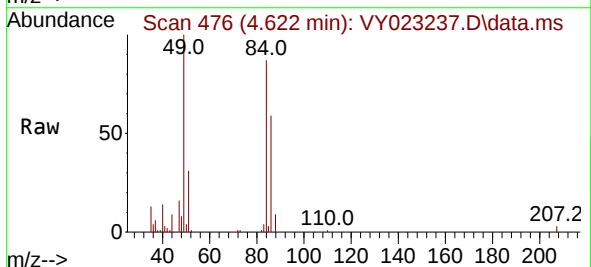
Ion Ratio Lower Upper

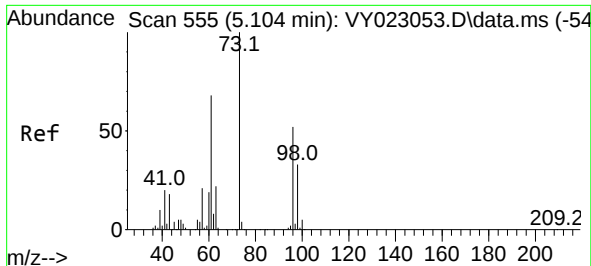
84 100

49 114.7 93.0 139.6

51 35.4 29.0 43.4

86 67.4 50.2 75.4

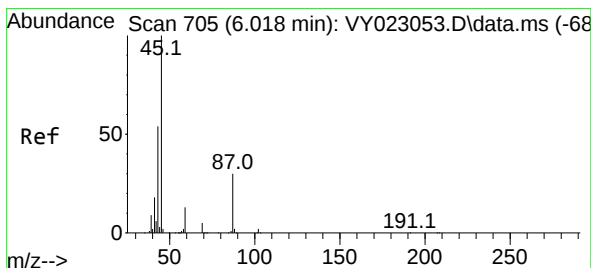
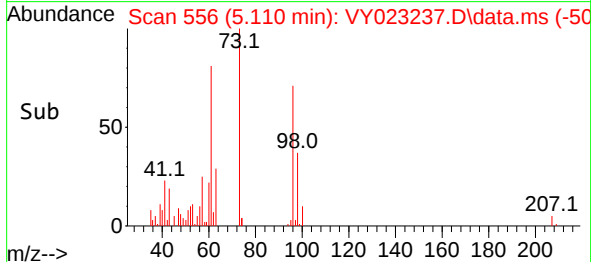
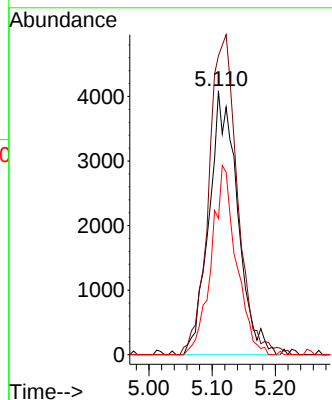
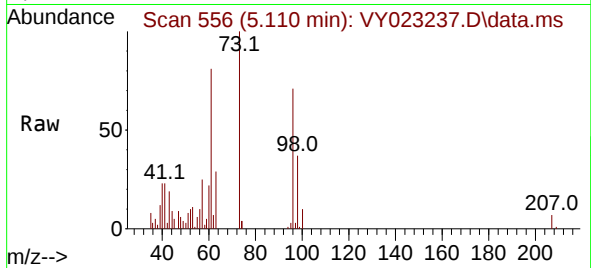




#21
trans-1,2-Dichloroethene
Concen: 2.720 ug/l
RT: 5.110 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

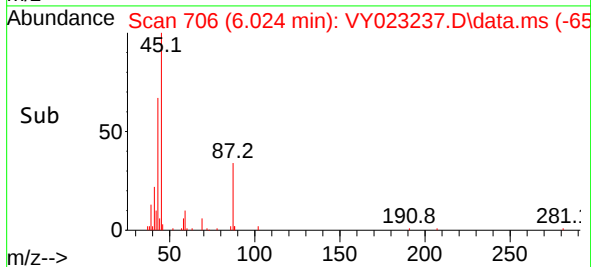
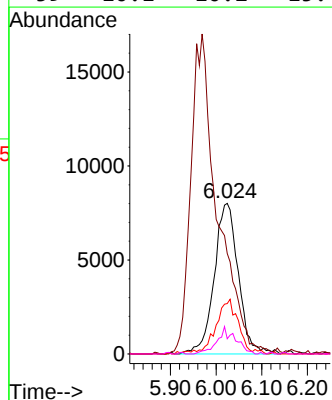
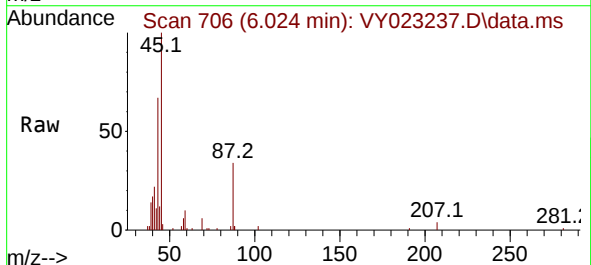
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

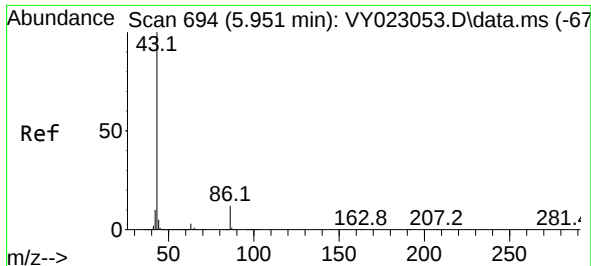
Tgt Ion: 96 Resp: 12804
Ion Ratio Lower Upper
96 100
61 113.3 104.8 157.2
98 51.6 50.1 75.1



#22
Diisopropyl ether
Concen: 2.195 ug/l
RT: 6.024 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion: 45 Resp: 29406
Ion Ratio Lower Upper
45 100
43 65.2 43.4 65.0#
87 33.5 24.4 36.6
59 10.1 10.2 15.4#

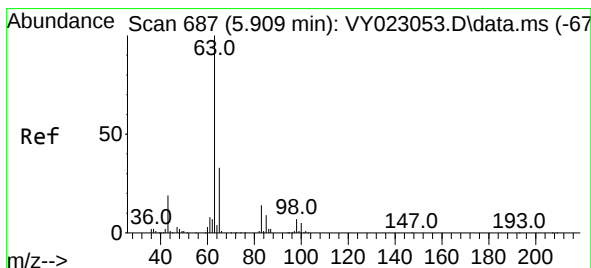
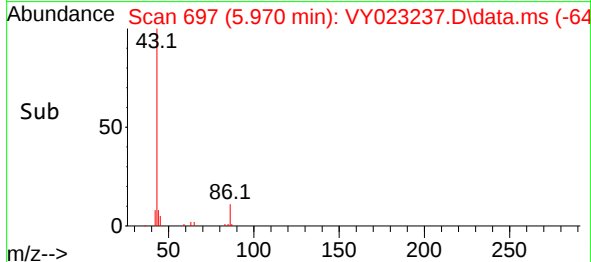
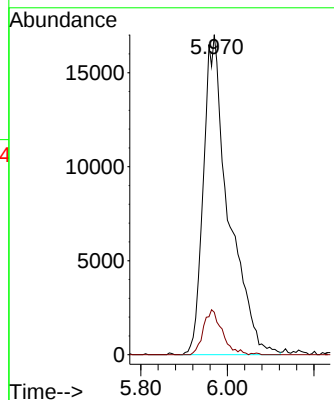
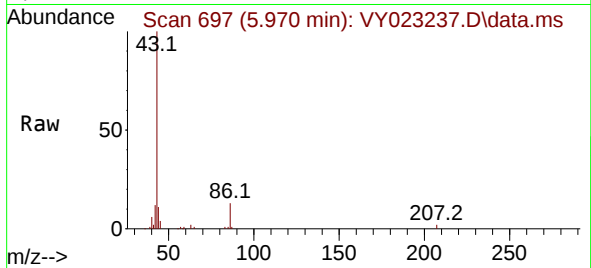




#23
 Vinyl Acetate
 Concen: 9.294 ug/l
 RT: 5.970 min Scan# 694
 Delta R.T. 0.018 min
 Lab File: VY023237.D
 Acq: 29 Aug 2025 11:12

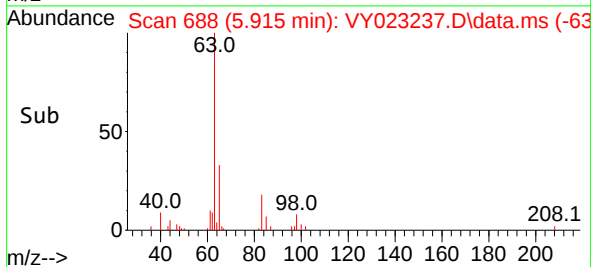
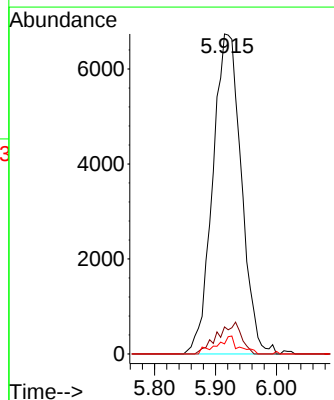
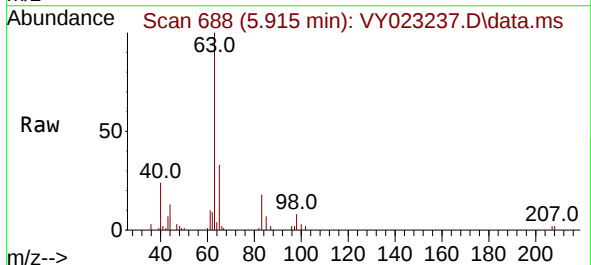
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

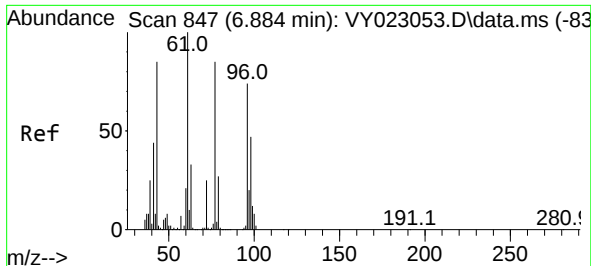
Tgt Ion: 43 Resp: 68830
 Ion Ratio Lower Upper
 43 100
 86 13.3 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 2.680 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.006 min
 Lab File: VY023237.D
 Acq: 29 Aug 2025 11:12

Tgt Ion: 63 Resp: 21948
 Ion Ratio Lower Upper
 63 100
 98 8.5 3.5 10.6
 100 3.1 2.4 7.1





#25

2-Butanone

Concen: 11.520 ug/l

RT: 6.908 min Scan# 81

Delta R.T. 0.024 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

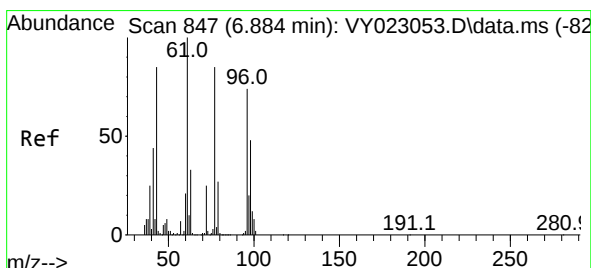
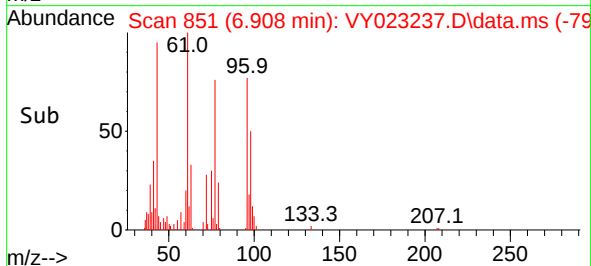
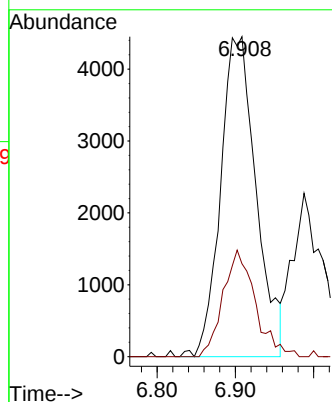
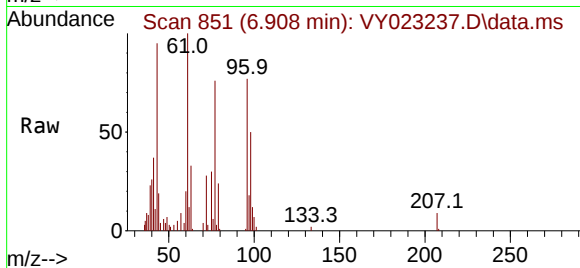
MDL-SOIL-03-QT3-2025

Tgt Ion: 43 Resp: 14062

Ion Ratio Lower Upper

43 100

72 29.0 23.5 35.3



#26

2,2-Dichloropropane

Concen: 2.555 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023237.D

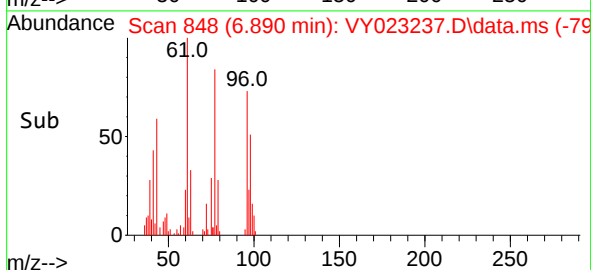
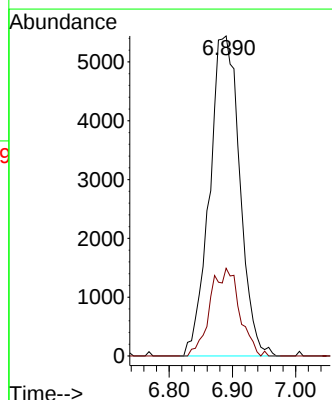
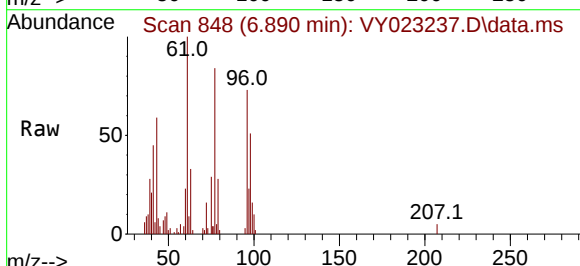
Acq: 29 Aug 2025 11:12

Tgt Ion: 77 Resp: 18055

Ion Ratio Lower Upper

77 100

97 26.4 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 2.546 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

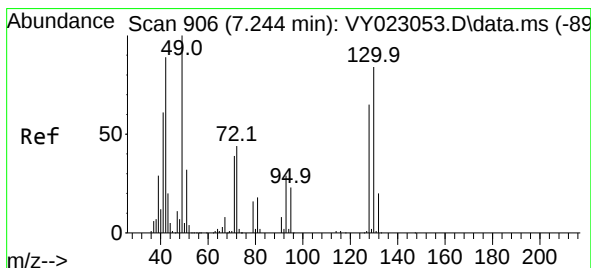
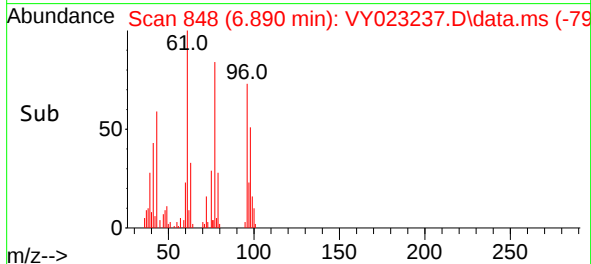
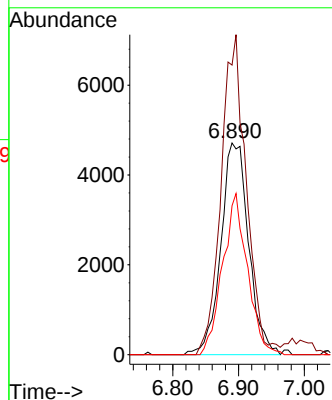
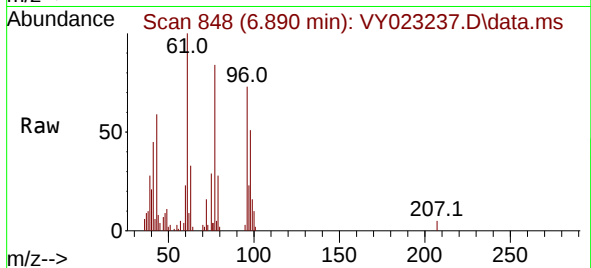
Tgt Ion: 96 Resp: 13854

Ion Ratio Lower Upper

96 100

61 137.2 0.0 278.6

98 68.1 0.0 130.4



#28

Bromochloromethane

Concen: 2.702 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

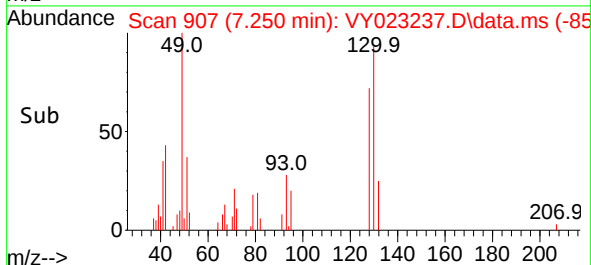
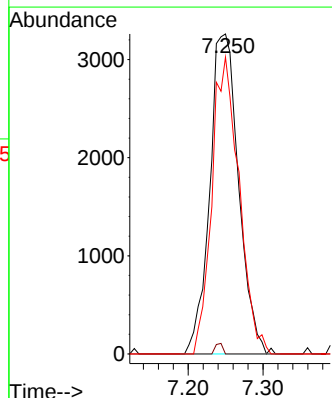
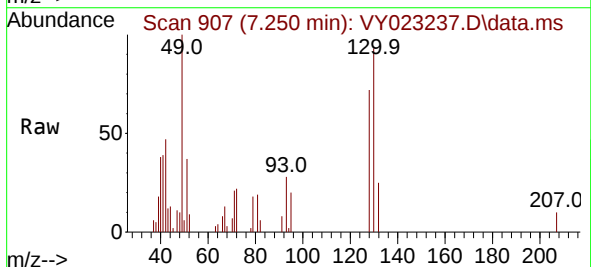
Tgt Ion: 49 Resp: 8777

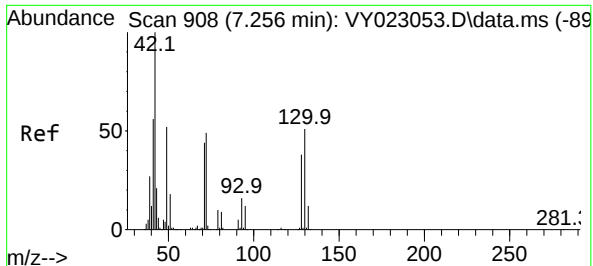
Ion Ratio Lower Upper

49 100

129 0.9 0.0 4.2

130 87.2 66.4 99.6





#29

Tetrahydrofuran

Concen: 10.420 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.012 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

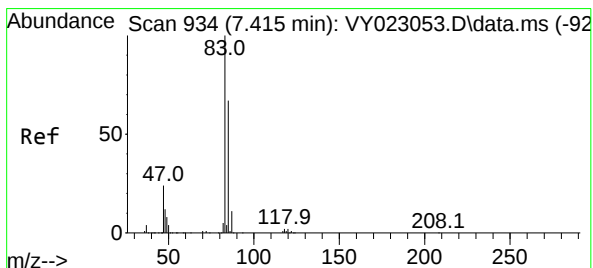
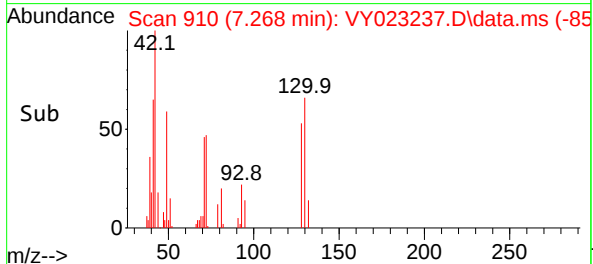
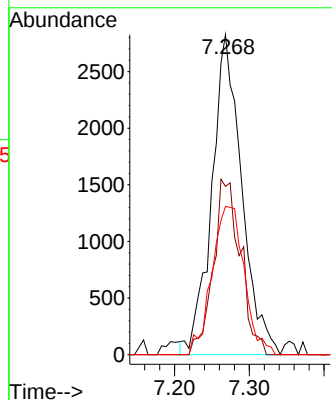
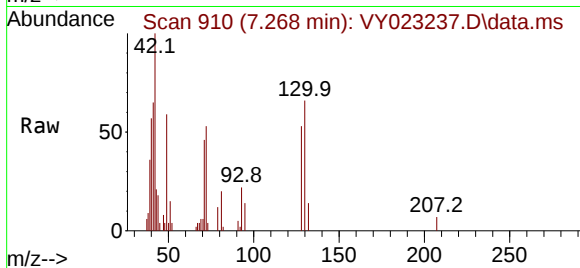
Tgt Ion: 42 Resp: 7884

Ion Ratio Lower Upper

42 100

72 49.8 39.4 59.2

71 49.8 36.5 54.7



#30

Chloroform

Concen: 2.800 ug/l

RT: 7.427 min Scan# 936

Delta R.T. 0.012 min

Lab File: VY023237.D

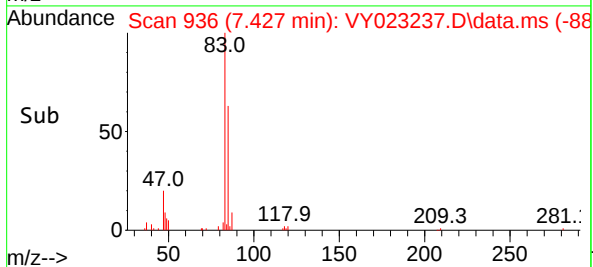
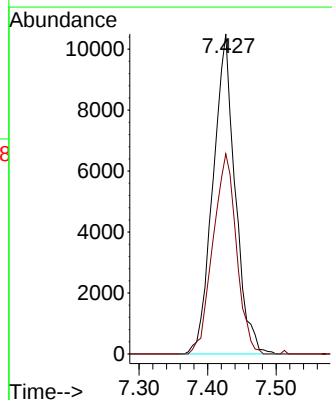
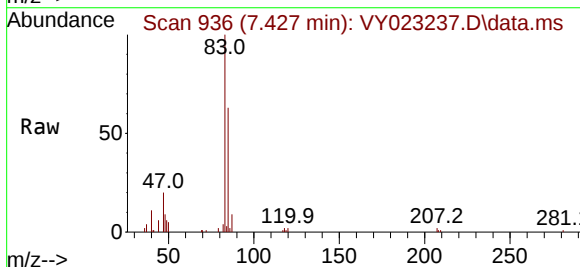
Acq: 29 Aug 2025 11:12

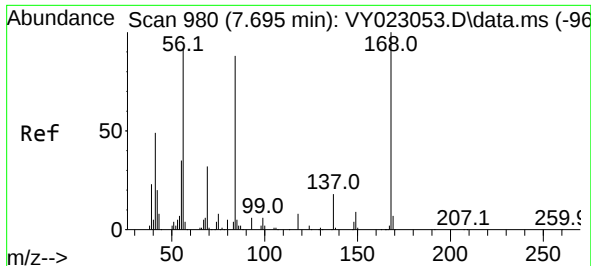
Tgt Ion: 83 Resp: 23650

Ion Ratio Lower Upper

83 100

85 62.5 53.8 80.8

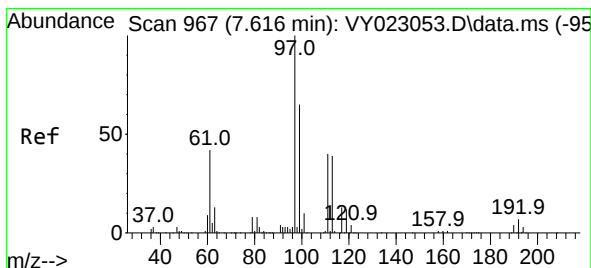
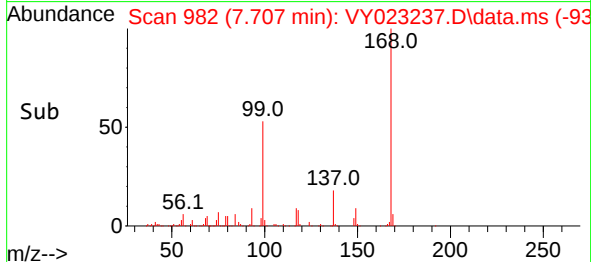
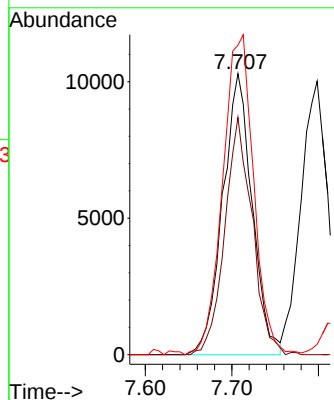
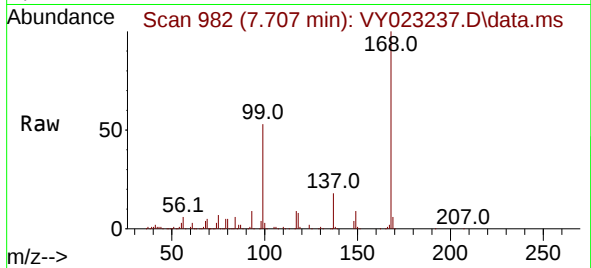




#31
Cyclohexane
Concen: 3.152 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

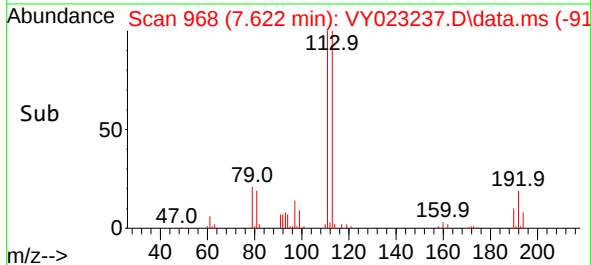
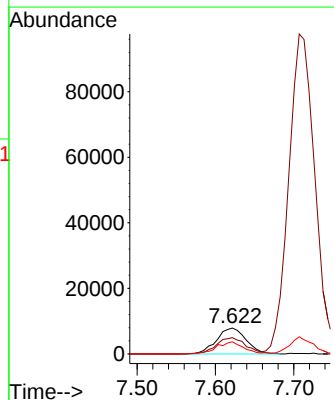
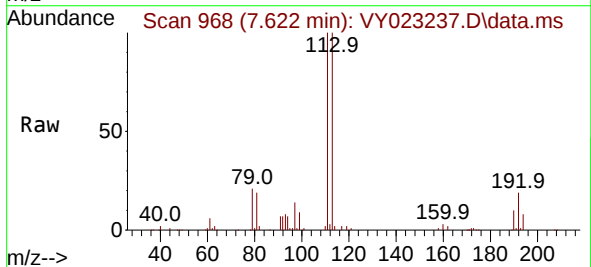
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion: 56 Resp: 24321
Ion Ratio Lower Upper
56 100
69 84.5 28.2 42.2#
84 109.1 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 2.764 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion: 97 Resp: 20710
Ion Ratio Lower Upper
97 100
99 62.4 51.6 77.4
61 43.6 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 49.431 ug/l

RT: 8.061 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

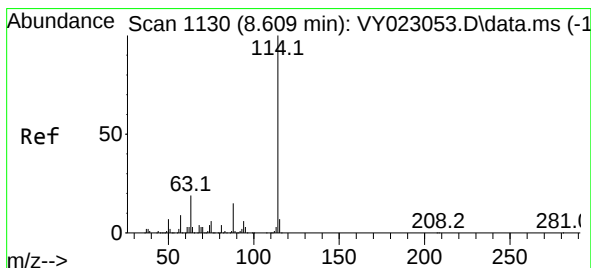
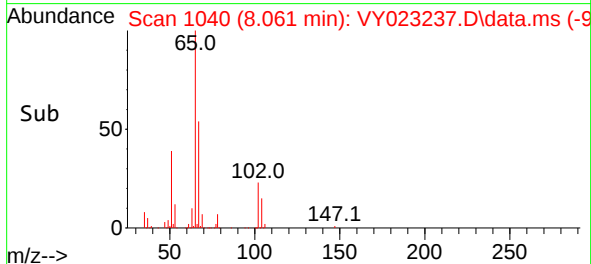
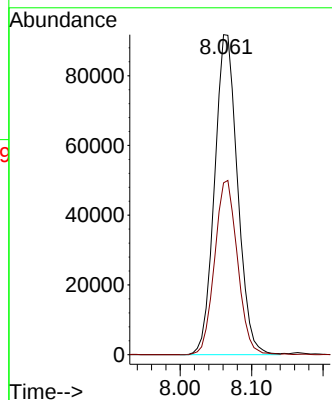
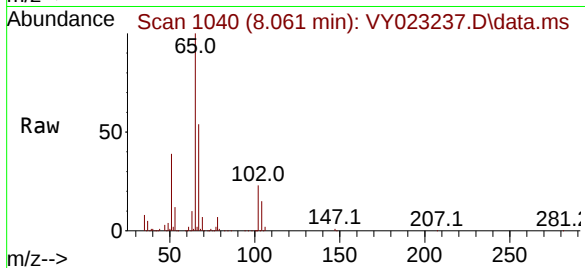
MDL-SOIL-03-QT3-2025

Tgt Ion: 65 Resp: 204788

Ion Ratio Lower Upper

65 100

67 54.2 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: VY023237.D

Acq: 29 Aug 2025 11:12

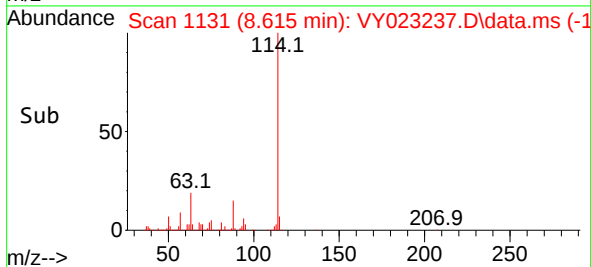
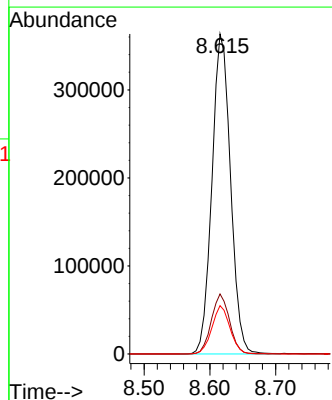
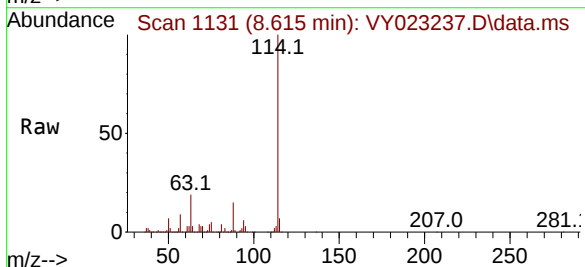
Tgt Ion: 114 Resp: 715461

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

88 15.1 0.0 30.0

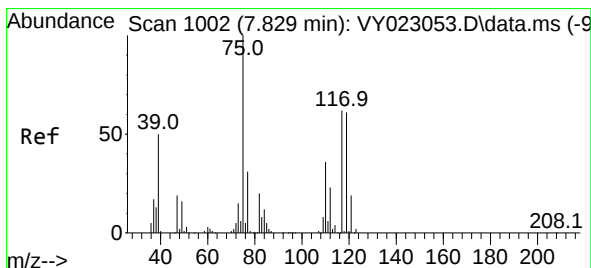
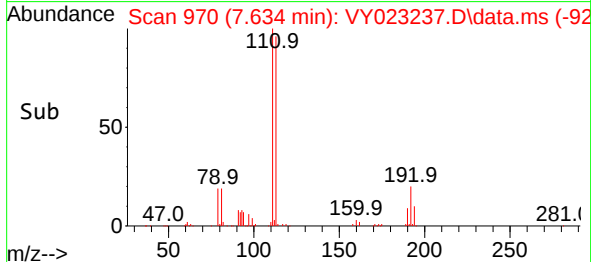
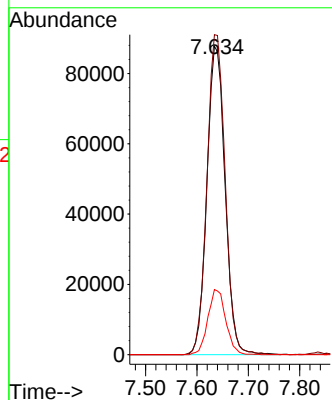
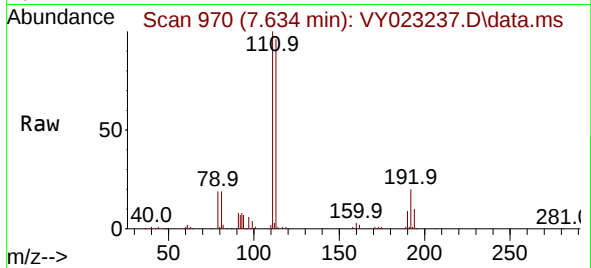




#35
Dibromofluoromethane
Concen: 50.406 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

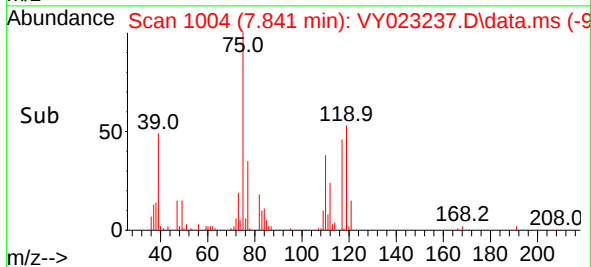
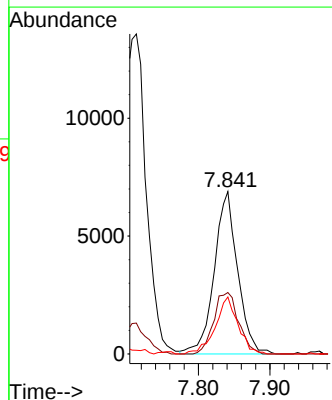
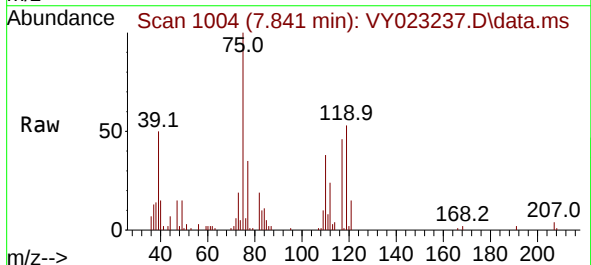
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

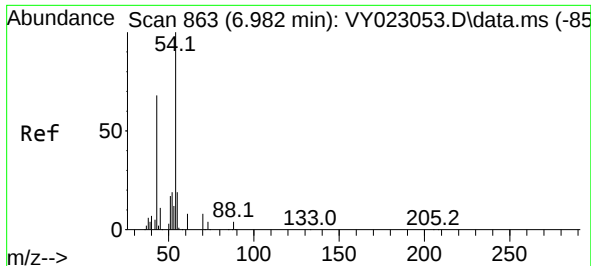
Tgt Ion:113 Resp: 215794
Ion Ratio Lower Upper
113 100
111 103.6 81.1 121.7
192 20.8 16.2 24.4



#36
1,1-Dichloropropene
Concen: 2.464 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion: 75 Resp: 15674
Ion Ratio Lower Upper
75 100
110 40.2 18.1 54.4
77 33.9 24.6 37.0





#37

Ethyl Acetate

Concen: 2.417 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

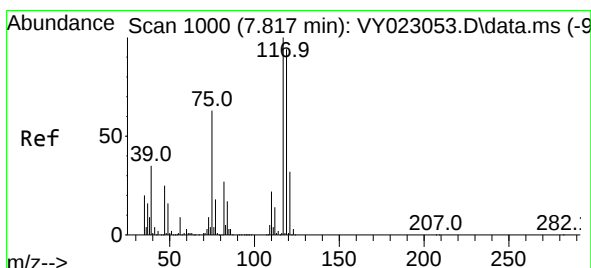
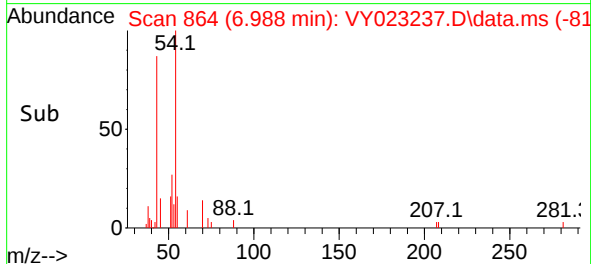
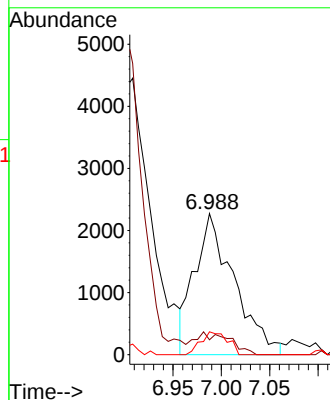
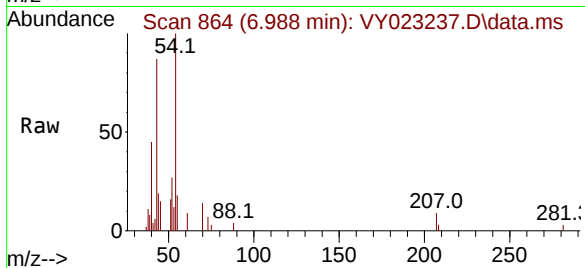
Tgt Ion: 43 Resp: 6459

Ion Ratio Lower Upper

43 100

61 0.0 11.9 17.9#

70 10.9 8.8 13.2



#38

Carbon Tetrachloride

Concen: 2.704 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

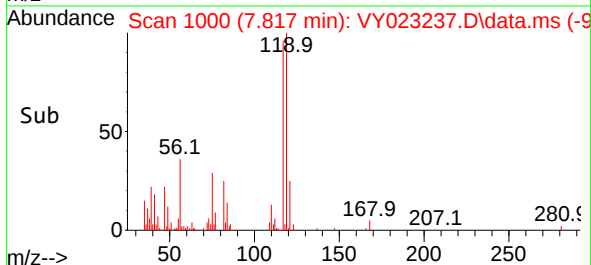
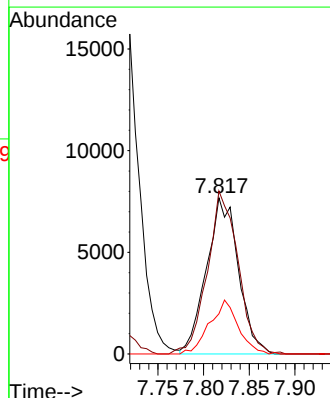
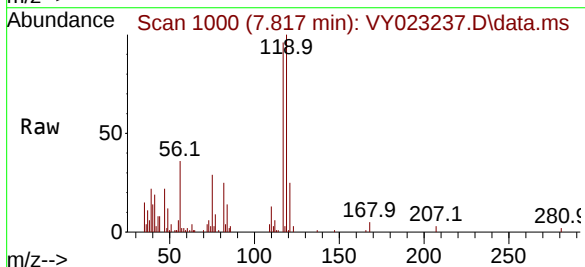
Tgt Ion: 117 Resp: 18683

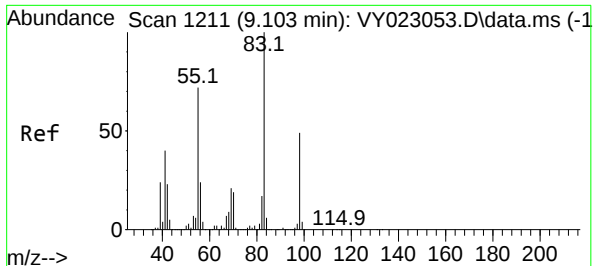
Ion Ratio Lower Upper

117 100

119 103.3 75.6 113.4

121 25.8 25.8 38.8#

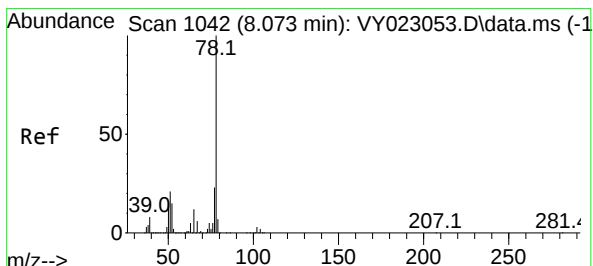
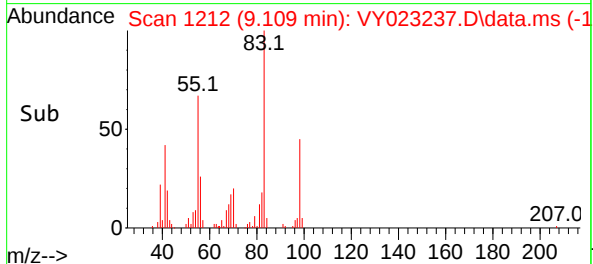
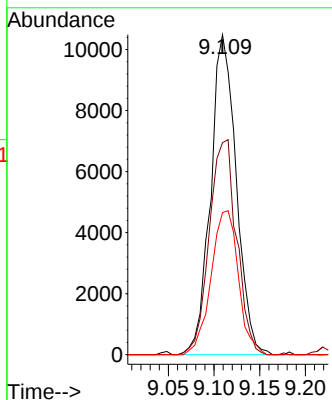
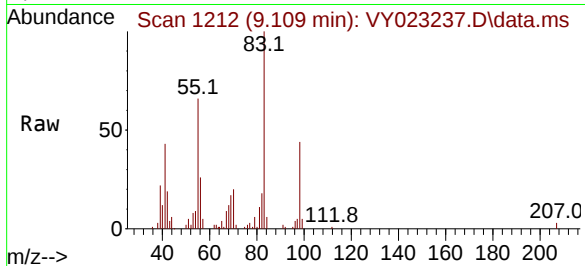




#39
Methylcyclohexane
Concen: 2.440 ug/l
RT: 9.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

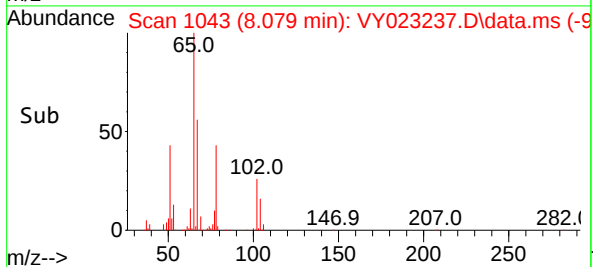
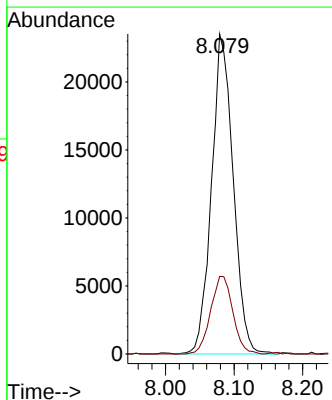
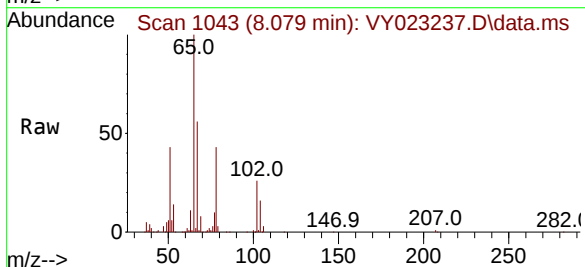
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

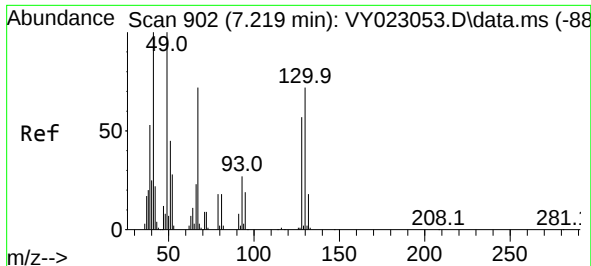
Tgt Ion:	83	Resp:	20446
Ion	Ratio	Lower	Upper
83	100		
55	66.3	57.6	86.4
98	44.4	39.2	58.8



#40
Benzene
Concen: 2.631 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

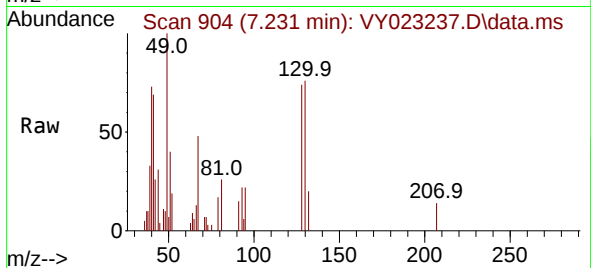
Tgt Ion:	78	Resp:	51589
Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.6	28.0



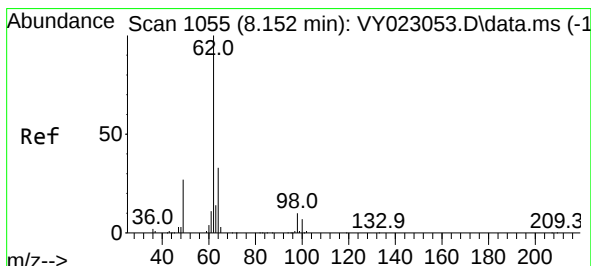
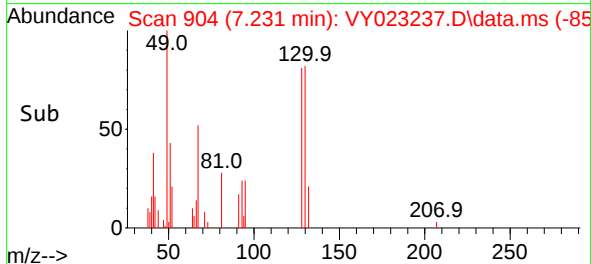
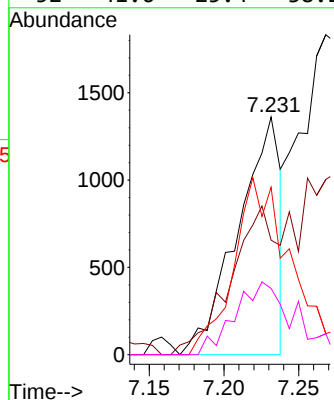


#41
Methacrylonitrile
Concen: 1.747 ug/l
RT: 7.231 min Scan# 902
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

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

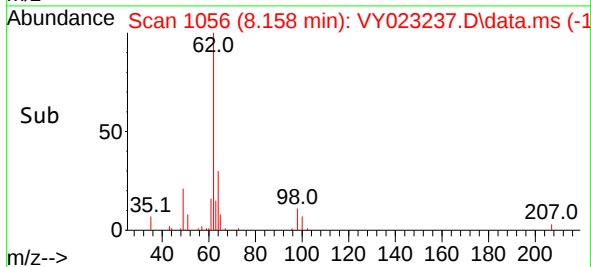
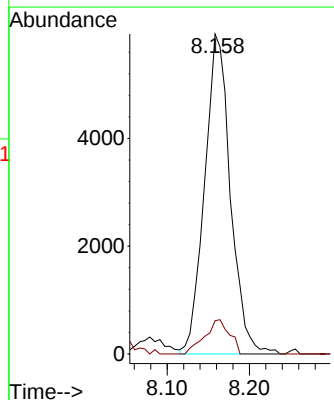
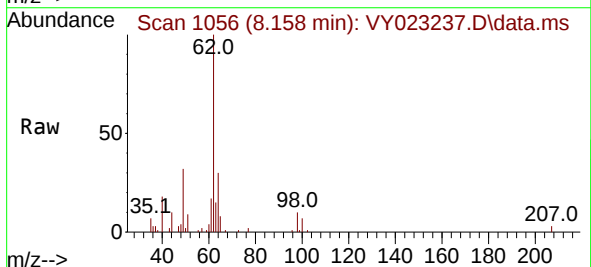


Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.9	43.4	65.2#
67	98.2	63.6	95.4#
52	41.6	25.4	38.2#



#42
1,2-Dichloroethane
Concen: 2.540 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 2.153 ug/l

RT: 8.201 min Scan# 11631

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

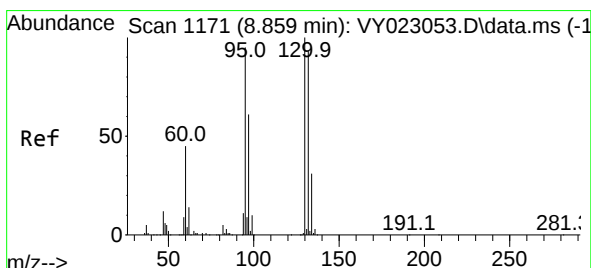
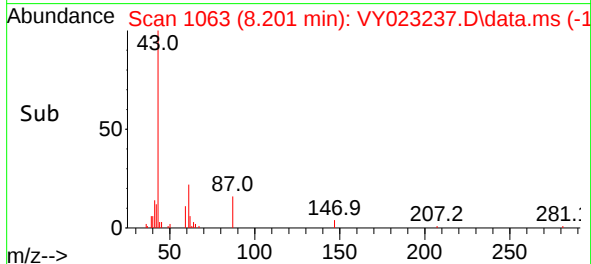
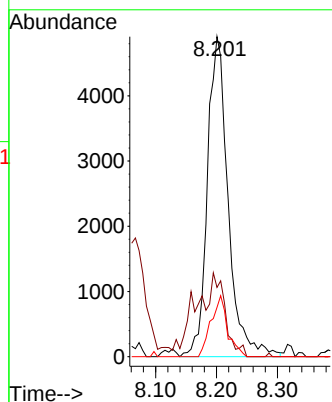
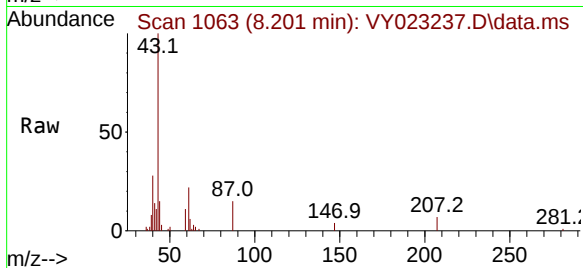
Tgt Ion: 43 Resp: 11631

Ion Ratio Lower Upper

43 100

61 19.4 16.4 24.6

87 15.1 11.8 17.6



#44

Trichloroethene

Concen: 2.967 ug/l

RT: 8.865 min Scan# 1172

Delta R.T. 0.006 min

Lab File: VY023237.D

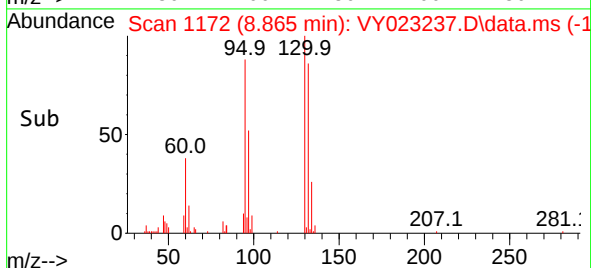
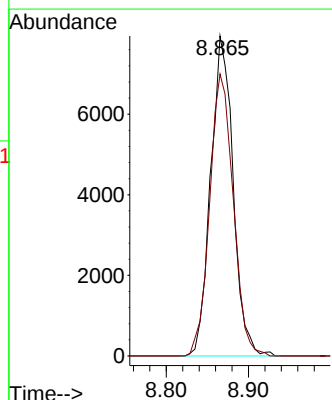
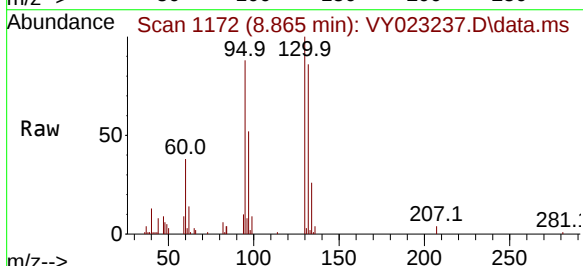
Acq: 29 Aug 2025 11:12

Tgt Ion:130 Resp: 15035

Ion Ratio Lower Upper

130 100

95 88.1 0.0 190.2





#45

1,2-Dichloropropane

Concen: 2.625 ug/l

RT: 9.140 min Scan# 11843

Delta R.T. -0.000 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

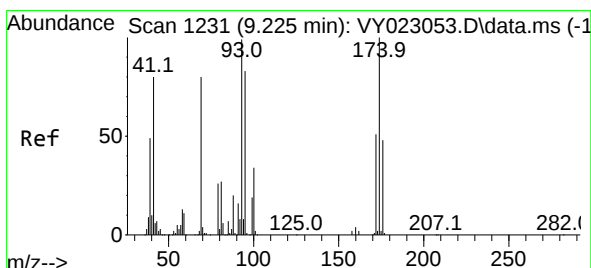
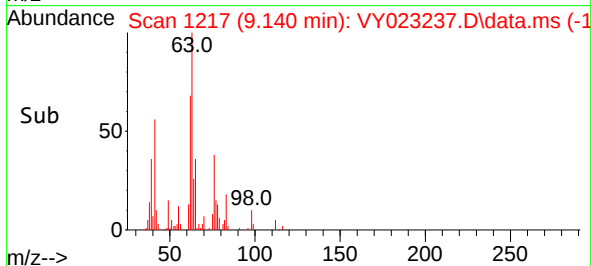
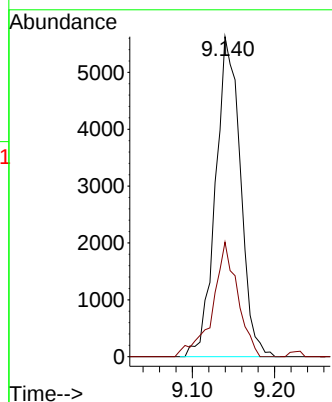
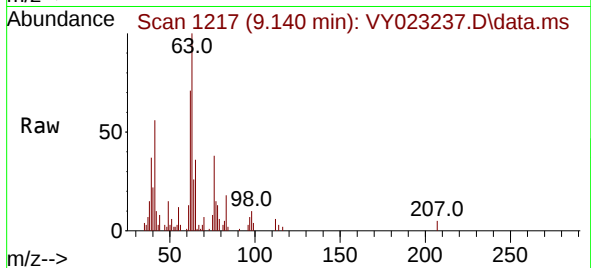
MDL-SOIL-03-QT3-2025

Tgt Ion: 63 Resp: 11843

Ion Ratio Lower Upper

63 100

65 35.8 25.3 37.9



#46

Dibromomethane

Concen: 2.631 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.012 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

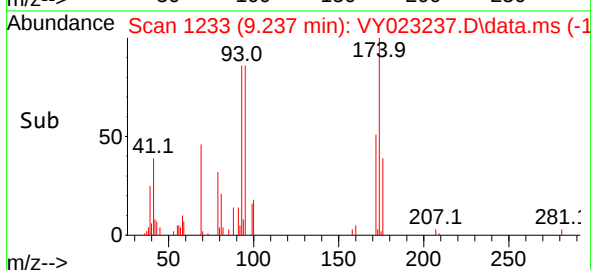
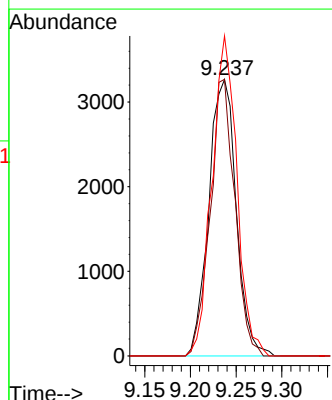
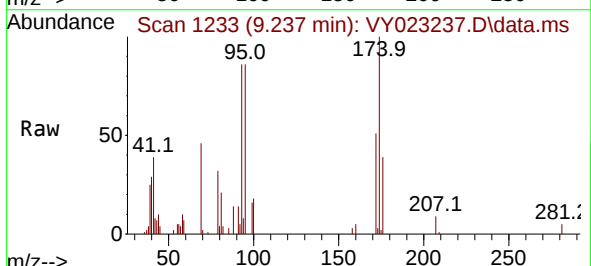
Tgt Ion: 93 Resp: 6814

Ion Ratio Lower Upper

93 100

95 89.8 66.5 99.7

174 105.6 81.8 122.8

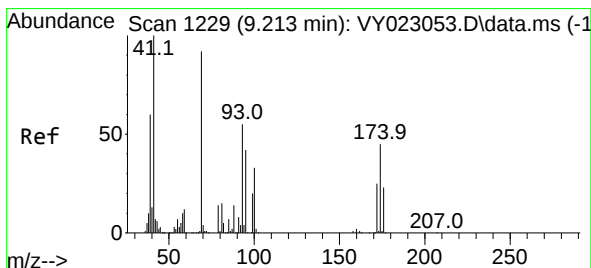
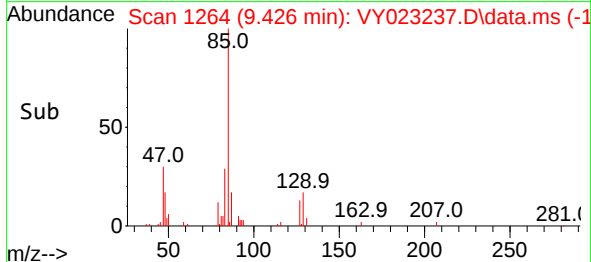
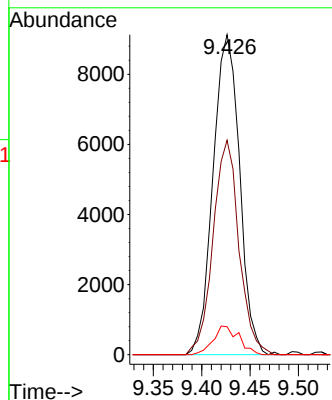
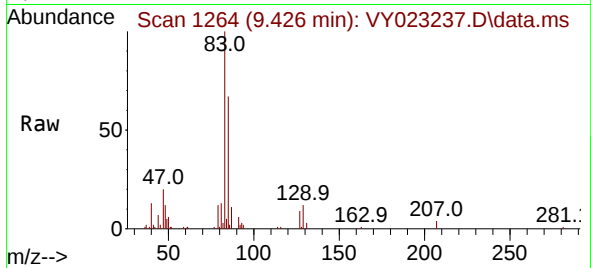




#47
Bromodichloromethane
Concen: 2.613 ug/l
RT: 9.426 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

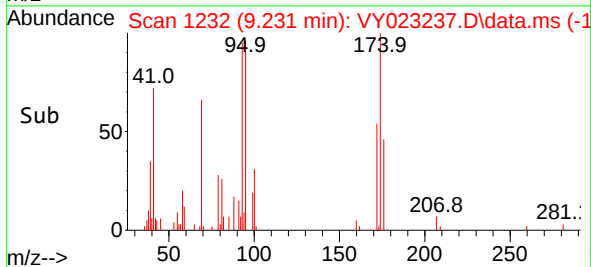
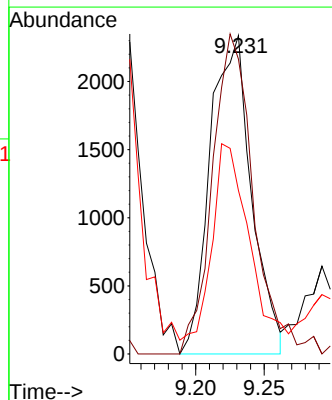
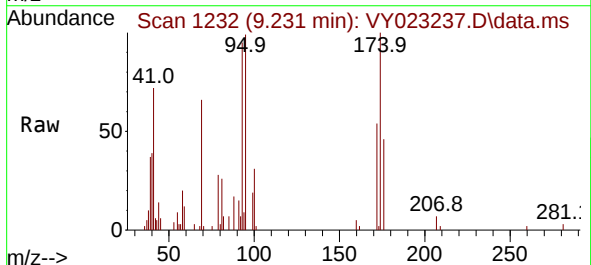
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion: 83 Resp: 17410
Ion Ratio Lower Upper
83 100
85 67.0 50.2 75.4
127 8.8 6.6 10.0



#48
Methyl methacrylate
Concen: 1.893 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.018 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion: 41 Resp: 4894
Ion Ratio Lower Upper
41 100
69 100.8 73.2 109.8
39 54.5 47.0 70.4





#49

1,4-Dioxane

Concen: 46.237 ug/l

RT: 9.243 min Scan# 11

Delta R.T. 0.018 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

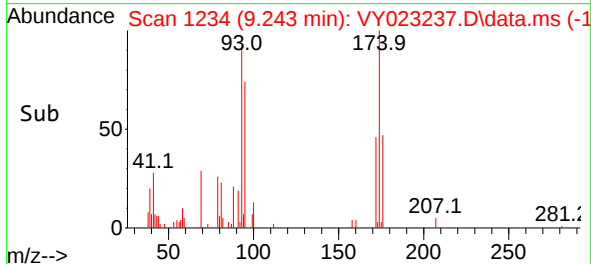
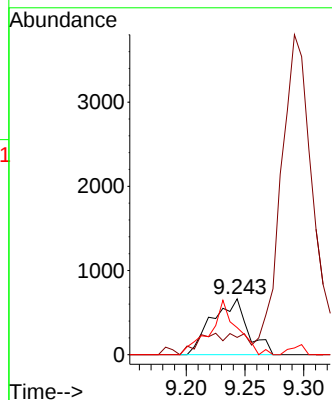
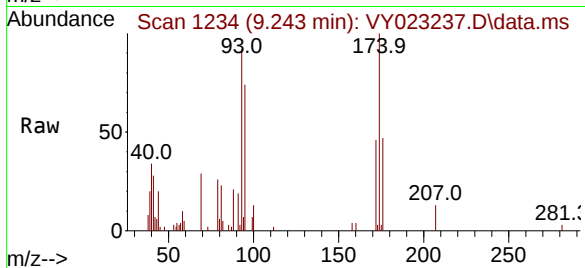
Tgt Ion: 88 Resp: 1404

Ion Ratio Lower Upper

88 100

43 27.1 24.3 36.5

58 73.9 55.4 83.0



#50

Toluene-d8

Concen: 47.675 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023237.D

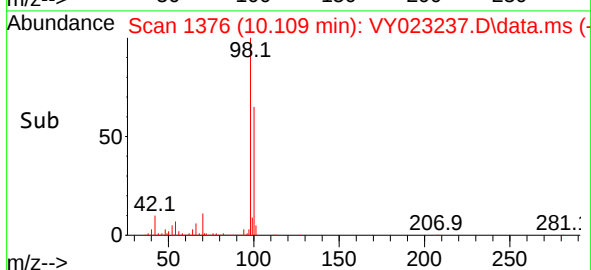
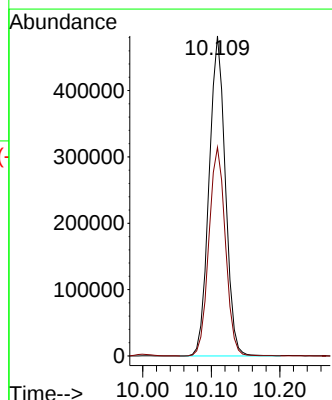
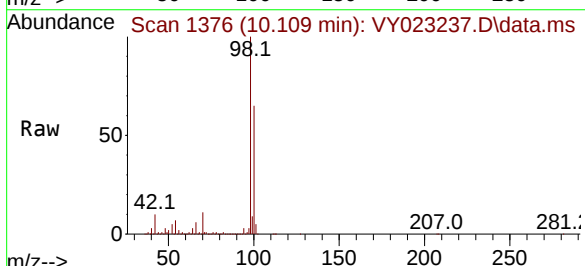
Acq: 29 Aug 2025 11:12

Tgt Ion: 98 Resp: 797335

Ion Ratio Lower Upper

98 100

100 66.2 52.3 78.5

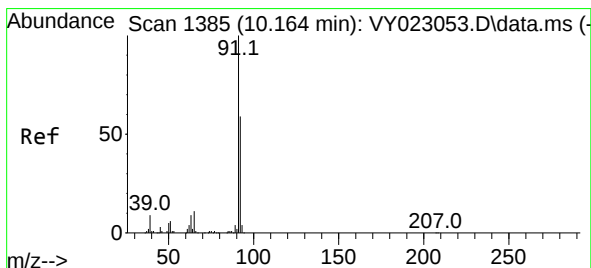
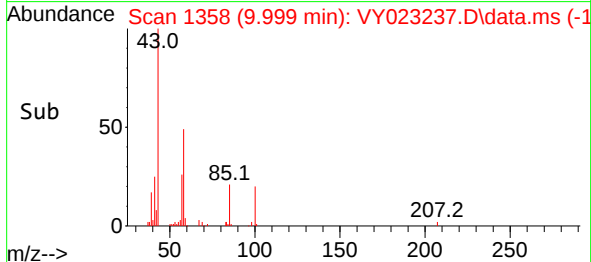
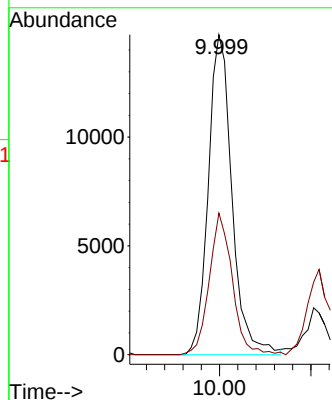
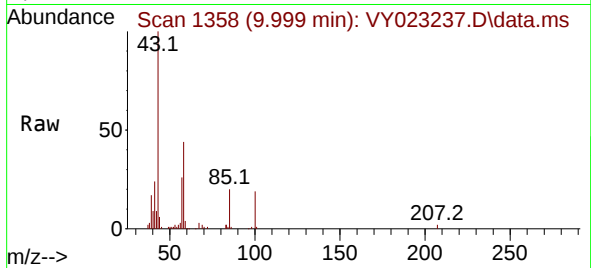




#51
4-Methyl-2-Pentanone
Concen: 9.474 ug/l
RT: 9.999 min Scan# 1357
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

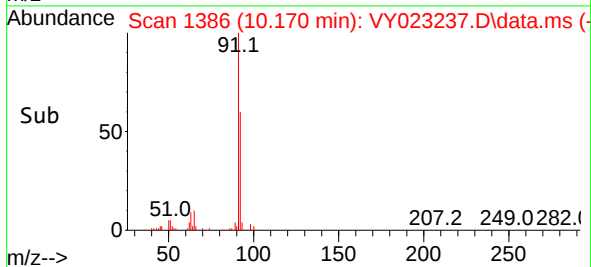
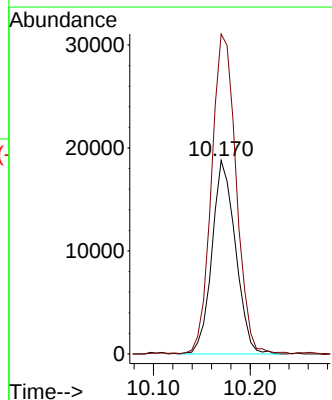
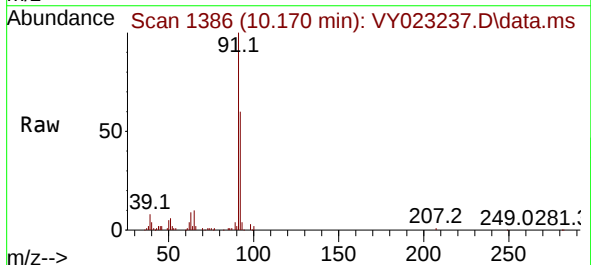
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

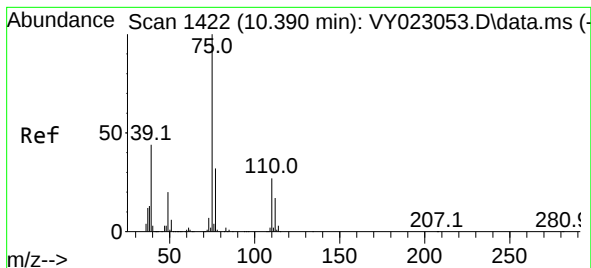
Tgt Ion: 43 Resp: 26398
Ion Ratio Lower Upper
43 100
58 43.1 33.5 50.3



#52
Toluene
Concen: 2.547 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion: 92 Resp: 31724
Ion Ratio Lower Upper
92 100
91 173.6 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 2.263 ug/l

RT: 10.396 min Scan# 1422

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

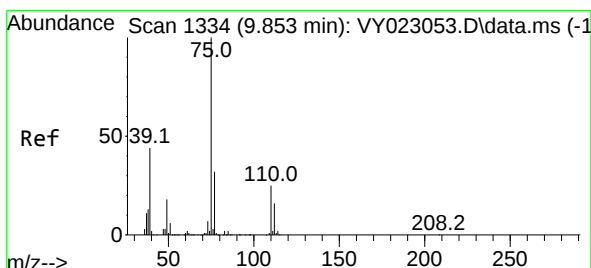
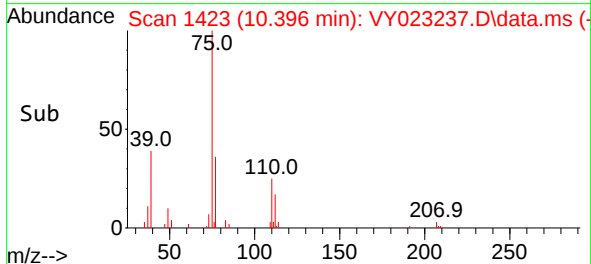
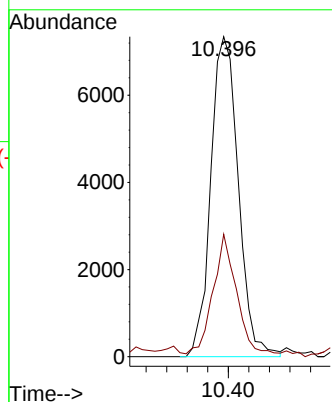
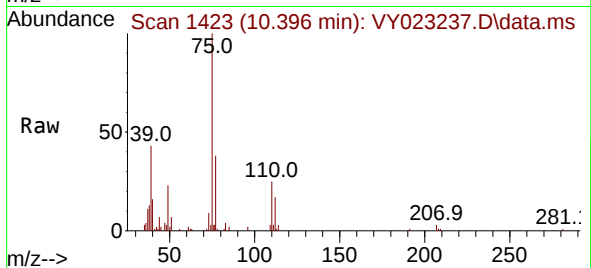
MDL-SOIL-03-QT3-2025

Tgt Ion: 75 Resp: 13657

Ion Ratio Lower Upper

75 100

77 37.2 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 2.268 ug/l

RT: 9.859 min Scan# 1335

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

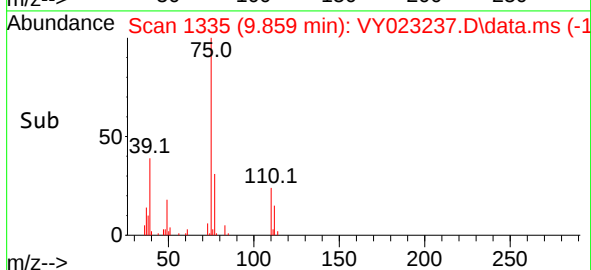
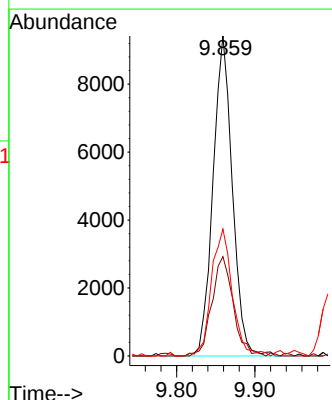
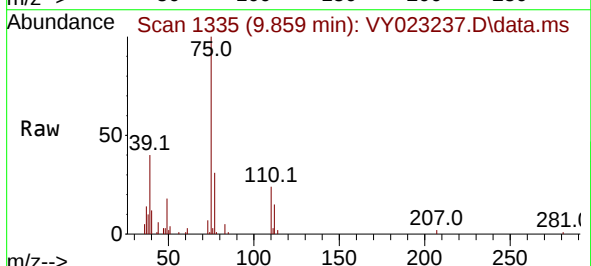
Tgt Ion: 75 Resp: 16186

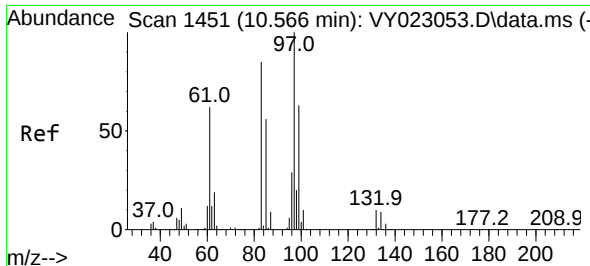
Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 39.6 35.6 53.4

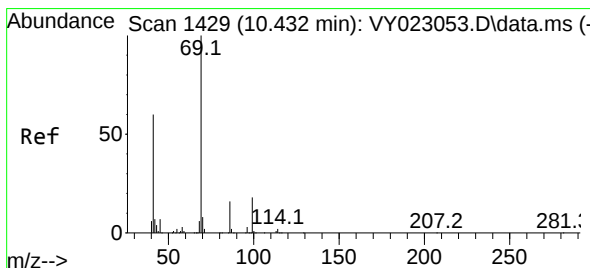
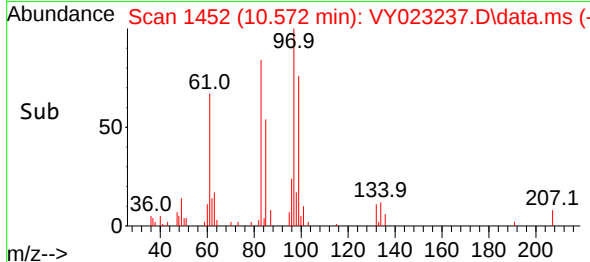
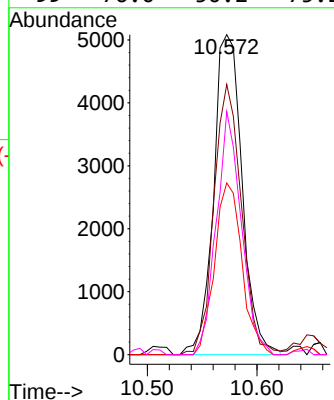
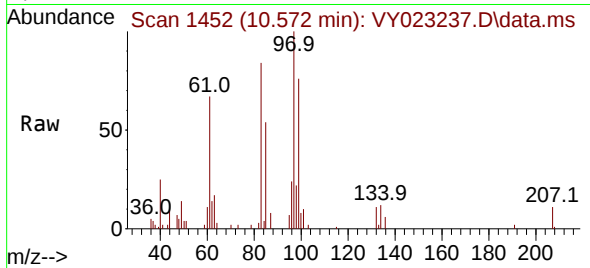




#55
1,1,2-Trichloroethane
Concen: 2.657 ug/l
RT: 10.572 min Scan# 1451
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

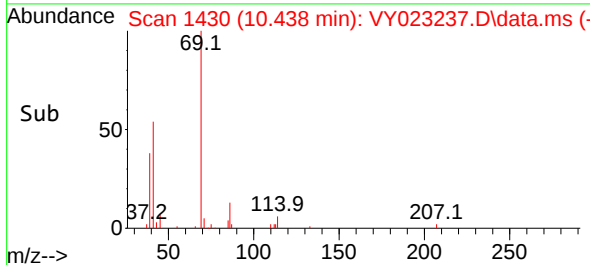
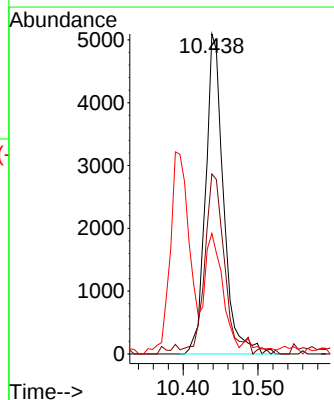
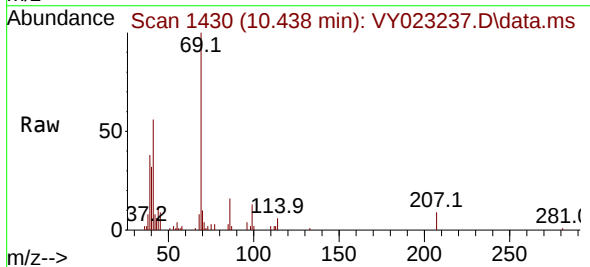
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

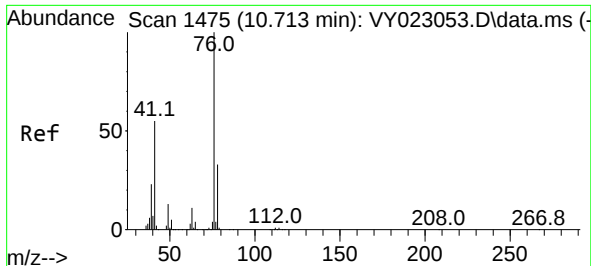
Tgt Ion: 97	Resp: 9209
Ion Ratio	Lower Upper
97 100	
83 84.4	67.7 101.5
85 53.6	44.5 66.7
99 76.0	50.2 75.2#



#56
Ethyl methacrylate
Concen: 1.913 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion: 69	Resp: 8483
Ion Ratio	Lower Upper
69 100	
41 58.7	48.6 72.8
39 34.1	27.0 40.4





#57

1,3-Dichloropropane

Concen: 2.589 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

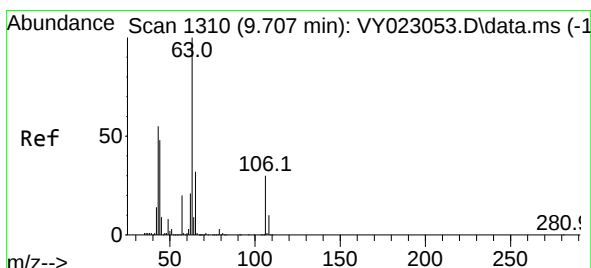
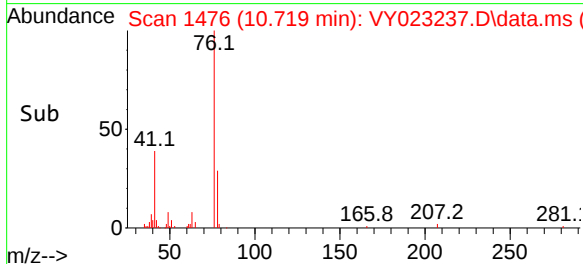
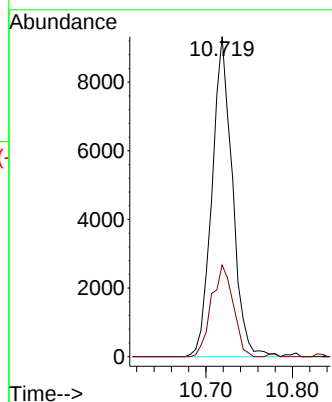
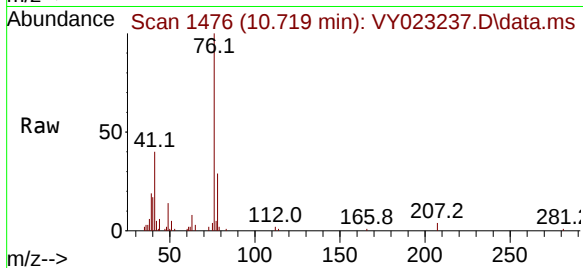
MDL-SOIL-03-QT3-2025

Tgt Ion: 76 Resp: 15214

Ion Ratio Lower Upper

76 100

78 30.6 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 8.150 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY023237.D

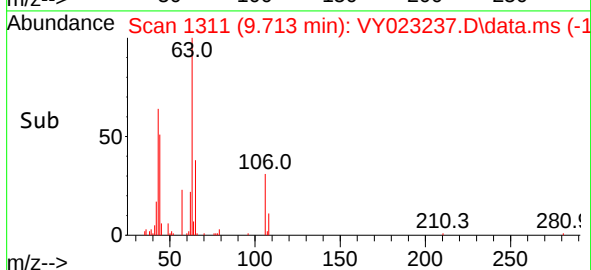
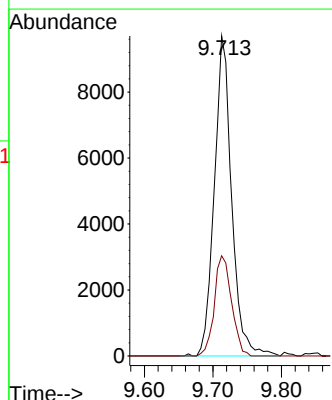
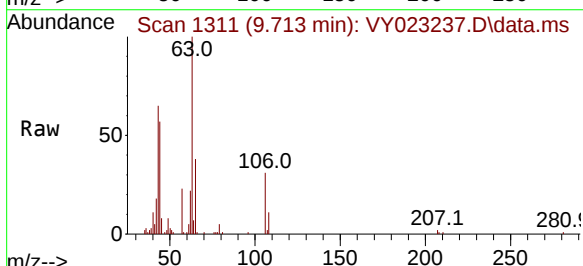
Acq: 29 Aug 2025 11:12

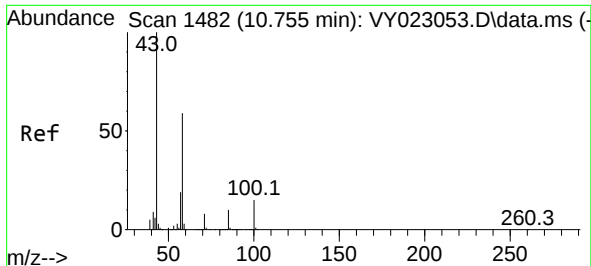
Tgt Ion: 63 Resp: 17046

Ion Ratio Lower Upper

63 100

106 31.1 23.2 34.8

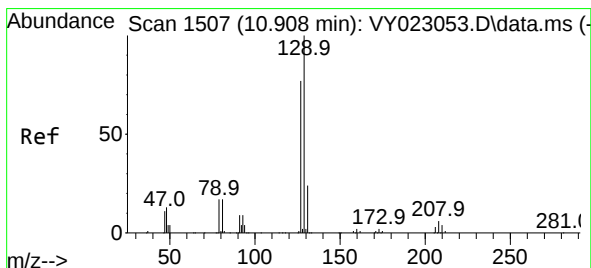
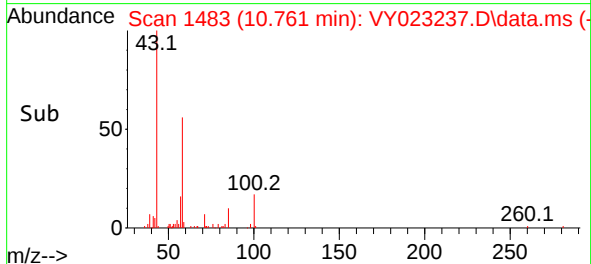
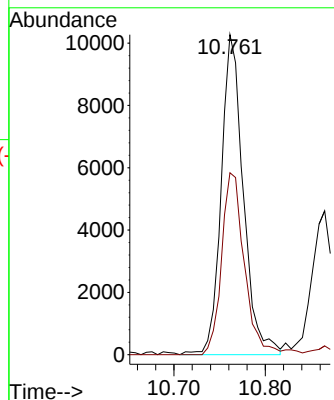
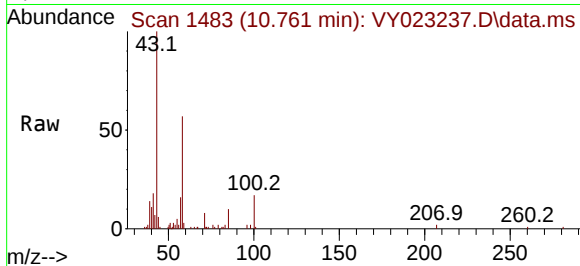




#59
2-Hexanone
Concen: 9.116 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

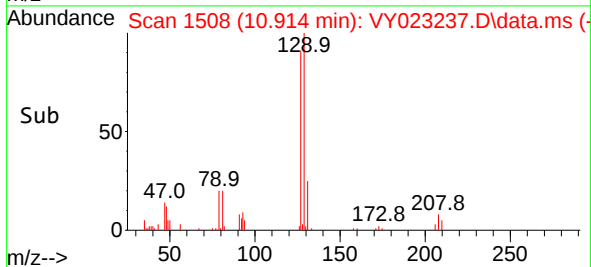
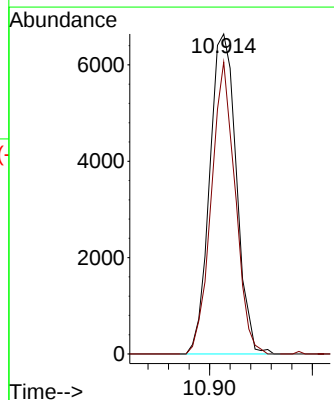
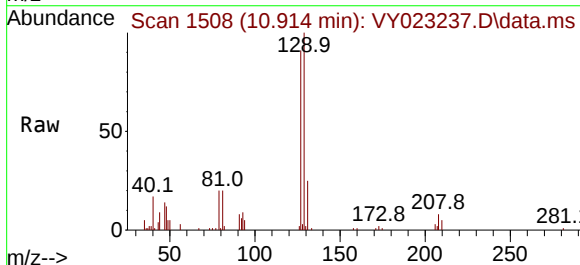
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

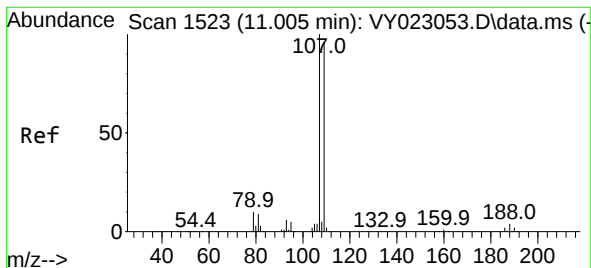
Tgt Ion: 43 Resp: 17297
Ion Ratio Lower Upper
43 100
58 59.1 29.5 88.5



#60
Dibromochloromethane
Concen: 2.614 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion: 129 Resp: 11952
Ion Ratio Lower Upper
129 100
127 81.7 38.5 115.5

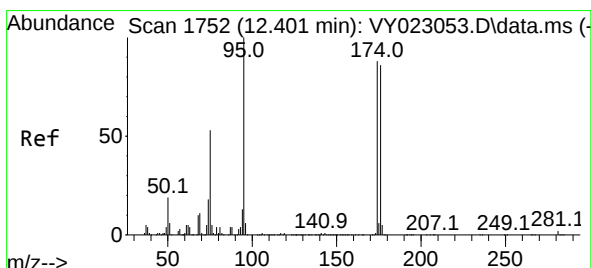
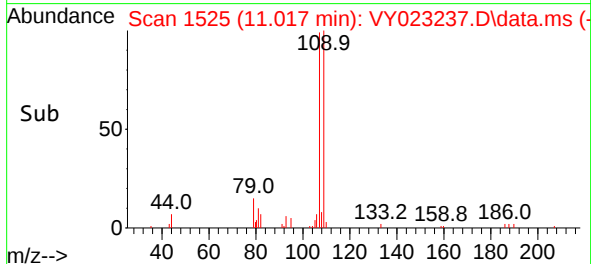
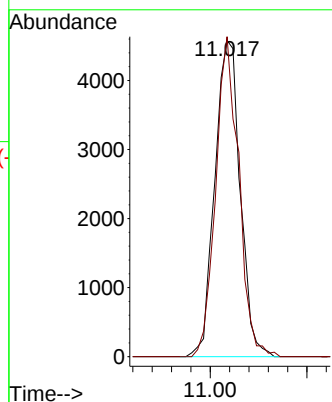
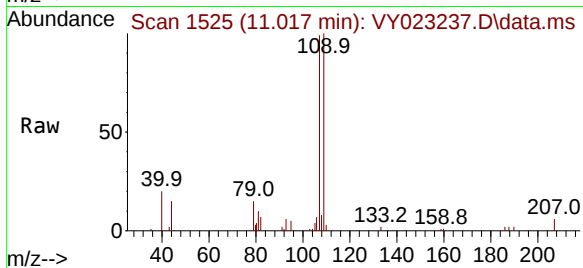




#61
1,2-Dibromoethane
Concen: 2.558 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

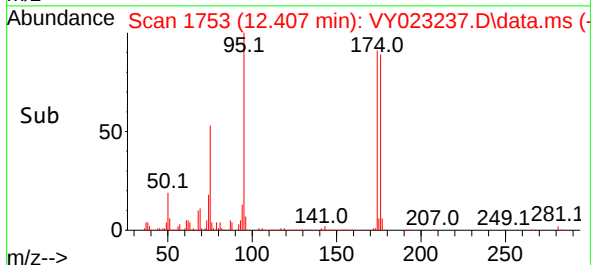
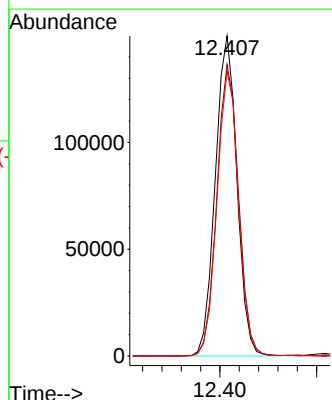
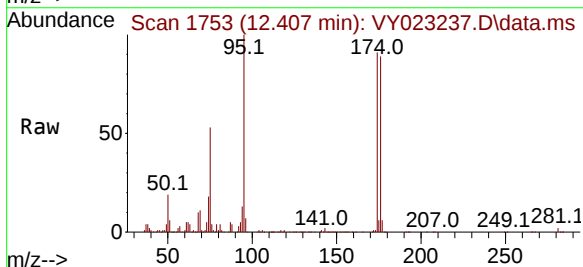
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

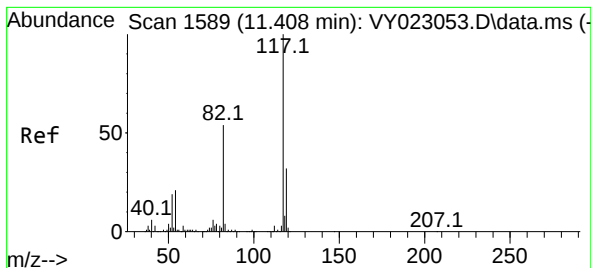
Tgt Ion:107 Resp: 8331
Ion Ratio Lower Upper
107 100
109 92.0 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 43.254 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion: 95 Resp: 232641
Ion Ratio Lower Upper
95 100
174 91.1 0.0 171.6
176 88.5 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: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

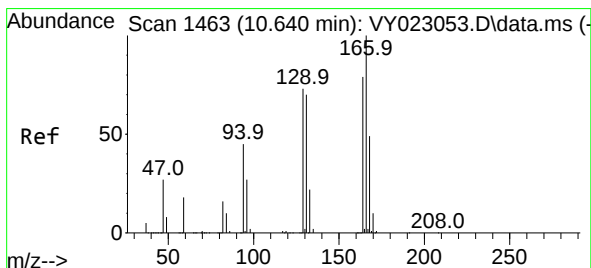
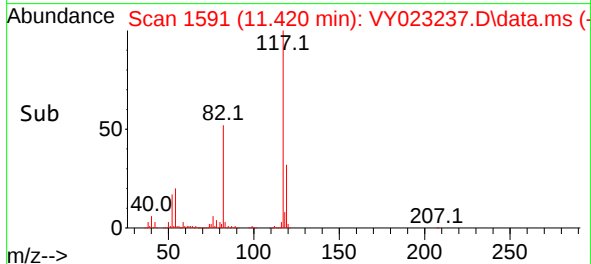
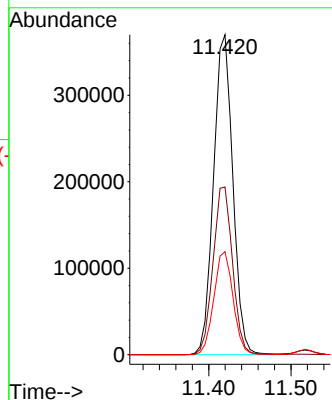
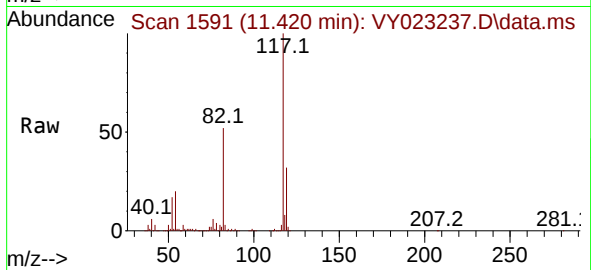
Tgt Ion:117 Resp: 603818

Ion Ratio Lower Upper

117 100

82 52.4 43.4 65.0

119 32.2 25.6 38.4



#64

Tetrachloroethene

Concen: 3.302 ug/l

RT: 10.652 min Scan# 1465

Delta R.T. 0.012 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Tgt Ion:164 Resp: 17805

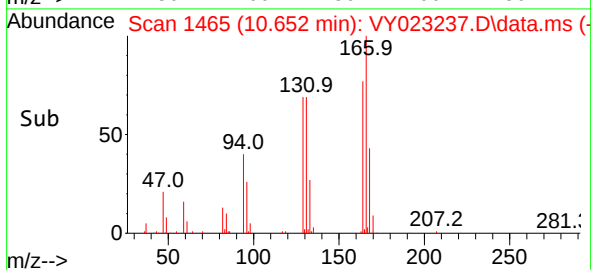
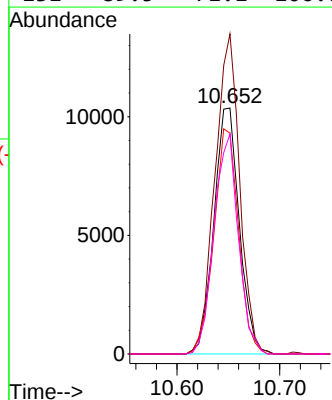
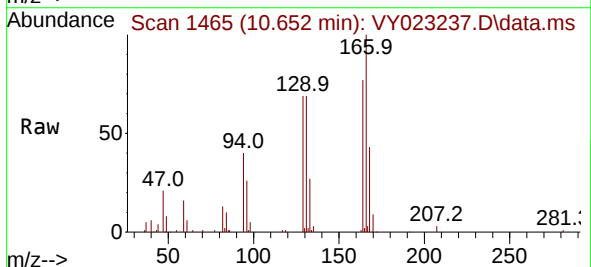
Ion Ratio Lower Upper

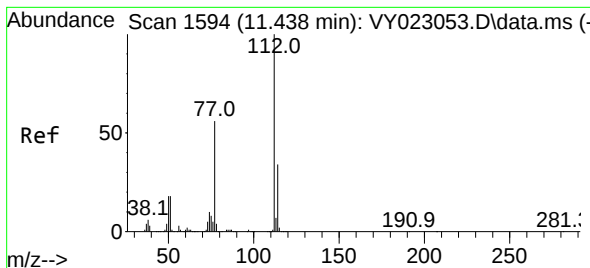
164 100

166 130.1 101.1 151.7

129 89.8 74.0 111.0

131 89.5 71.1 106.7





#65

Chlorobenzene

Concen: 2.838 ug/l

RT: 11.444 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

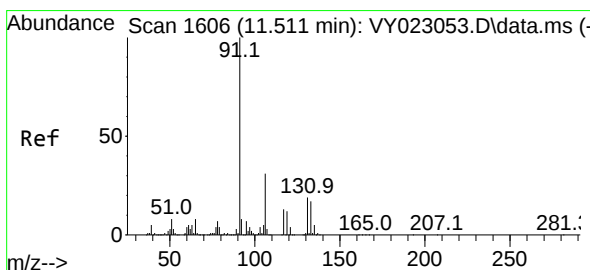
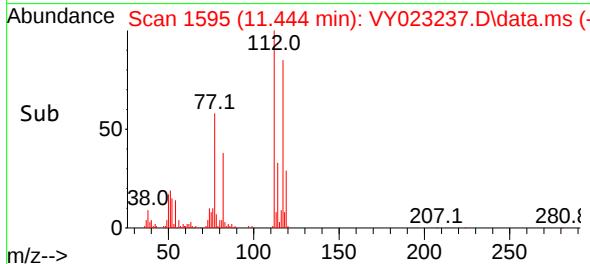
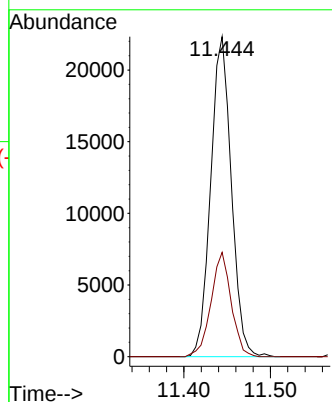
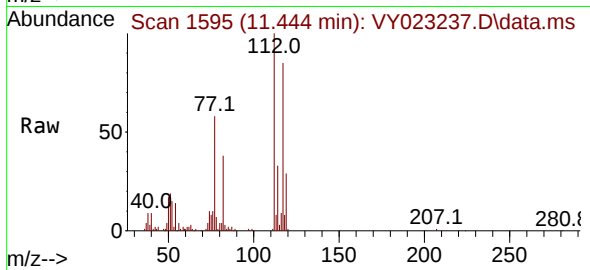
MDL-SOIL-03-QT3-2025

Tgt Ion:112 Resp: 36964

Ion Ratio Lower Upper

112 100

114 32.6 27.0 40.4



#66

1,1,1,2-Tetrachloroethane

Concen: 2.631 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

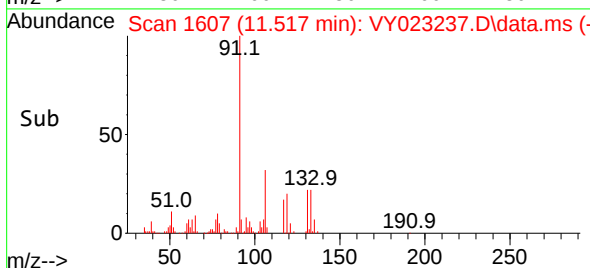
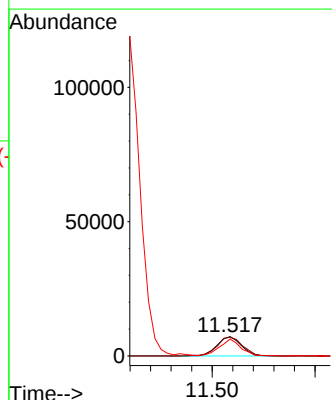
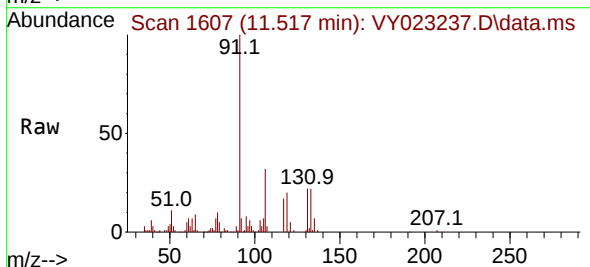
Tgt Ion:131 Resp: 11629

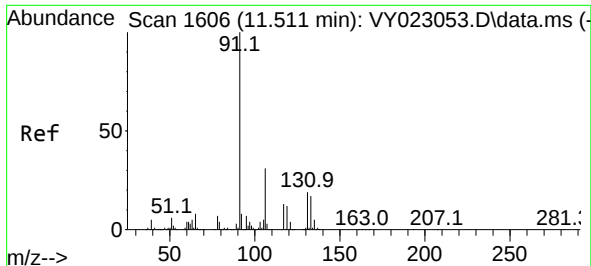
Ion Ratio Lower Upper

131 100

133 104.6 46.9 140.6

119 77.3 33.2 99.6





#67

Ethyl Benzene

Concen: 2.386 ug/l

RT: 11.517 min Scan# 1606

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

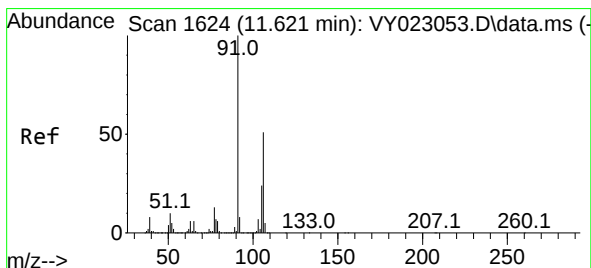
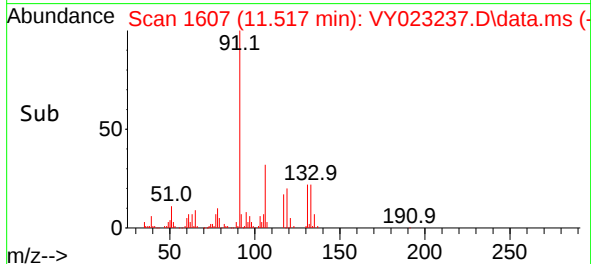
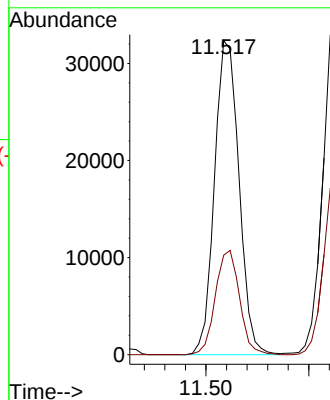
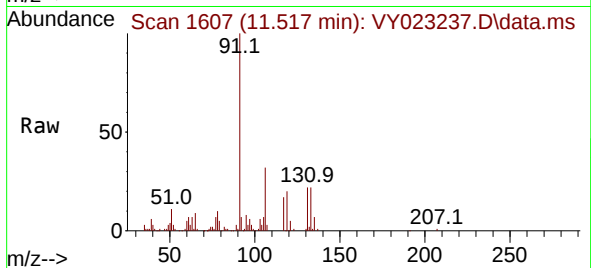
MDL-SOIL-03-QT3-2025

Tgt Ion: 91 Resp: 53489

Ion Ratio Lower Upper

91 100

106 31.7 25.0 37.4



#68

m/p-Xylenes

Concen: 4.664 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.012 min

Lab File: VY023237.D

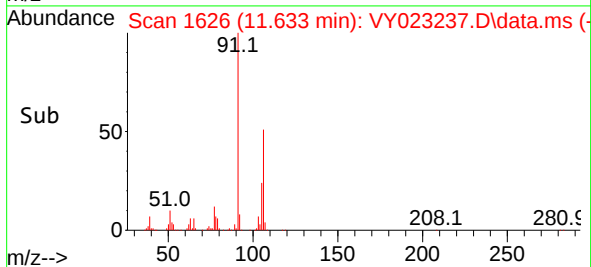
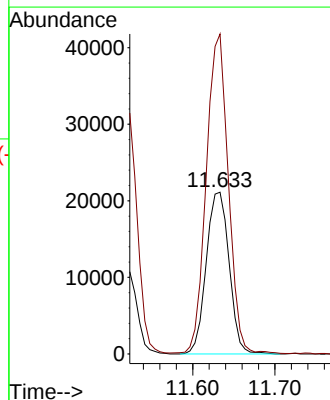
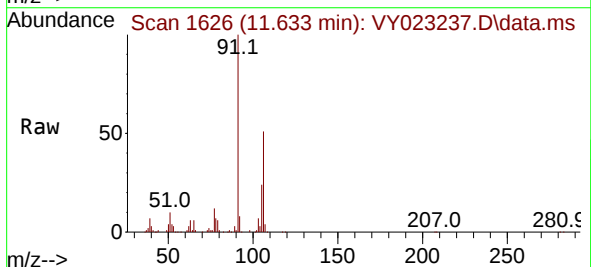
Acq: 29 Aug 2025 11:12

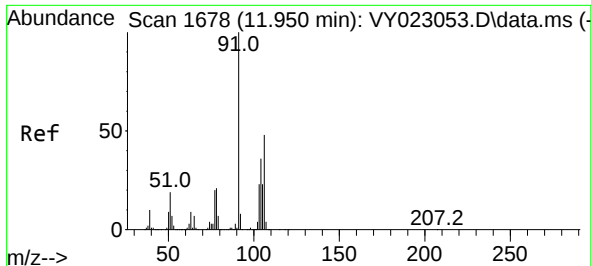
Tgt Ion: 106 Resp: 40832

Ion Ratio Lower Upper

106 100

91 190.6 158.6 238.0

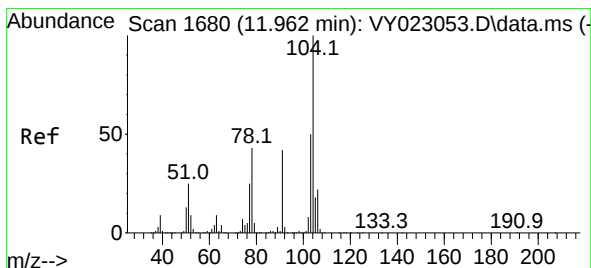
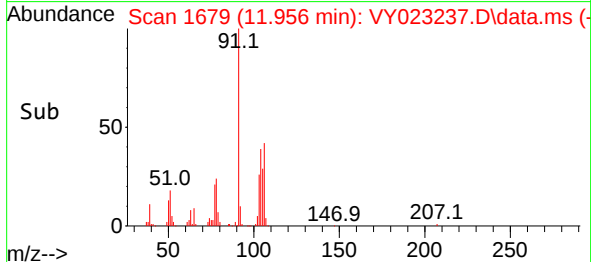
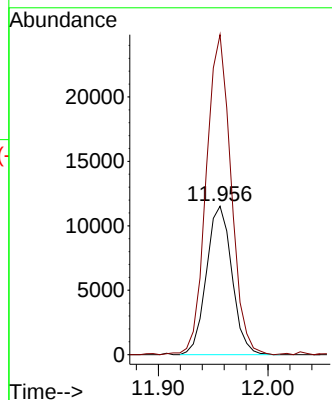
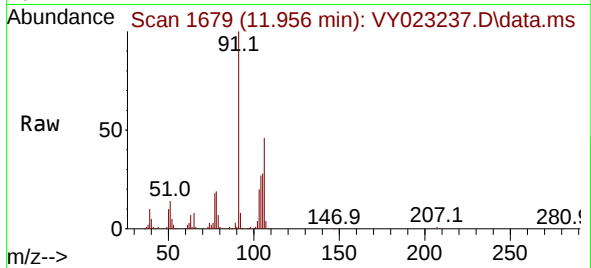




#69
o-Xylene
Concen: 2.271 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

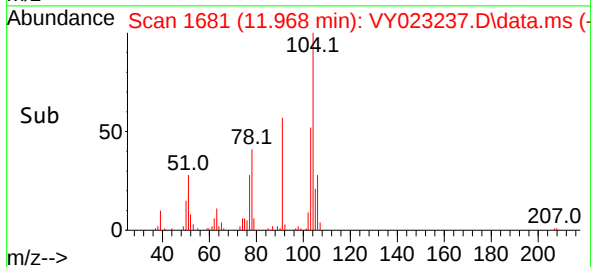
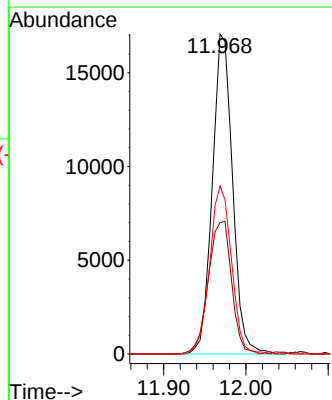
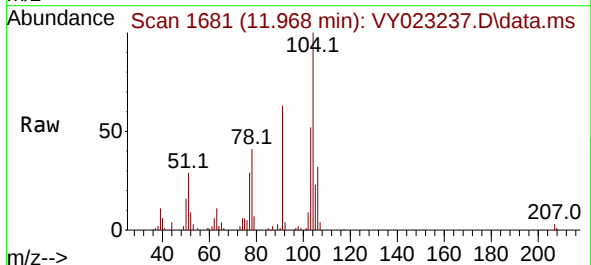
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion:106 Resp: 18616
Ion Ratio Lower Upper
106 100
91 209.7 103.2 309.4



#70
Styrene
Concen: 2.180 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion:104 Resp: 29226
Ion Ratio Lower Upper
104 100
78 47.7 38.5 57.7
103 56.8 43.7 65.5





#71

Bromoform

Concen: 2.760 ug/l

RT: 12.133 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

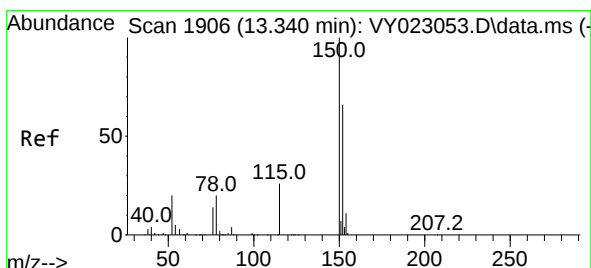
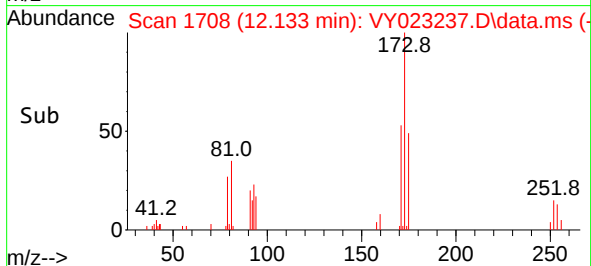
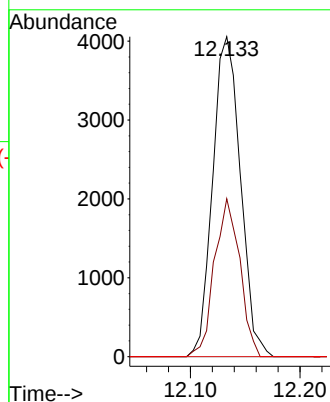
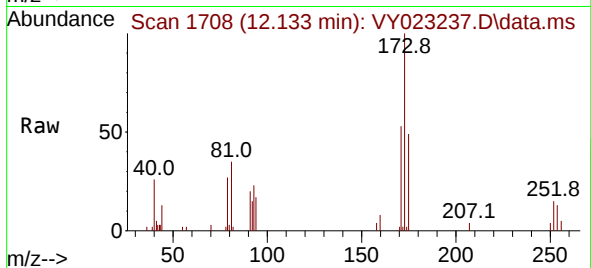
Tgt Ion:173 Resp: 7131

Ion Ratio Lower Upper

173 100

175 45.1 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: VY023237.D

Acq: 29 Aug 2025 11:12

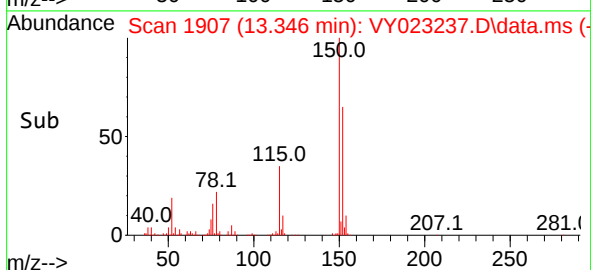
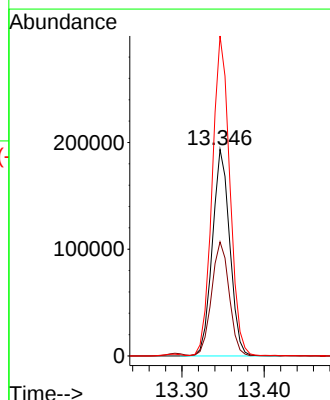
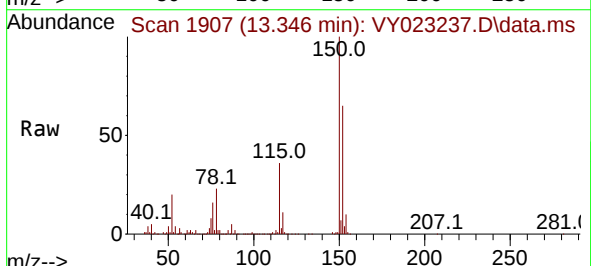
Tgt Ion:152 Resp: 284265

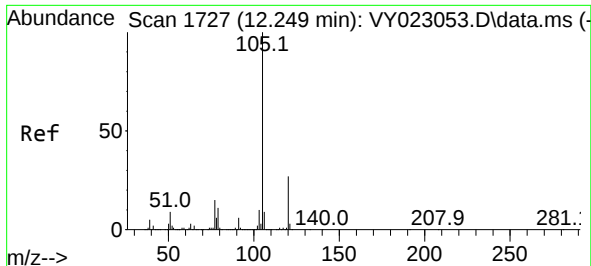
Ion Ratio Lower Upper

152 100

115 55.8 28.2 84.6

150 156.4 0.0 348.0

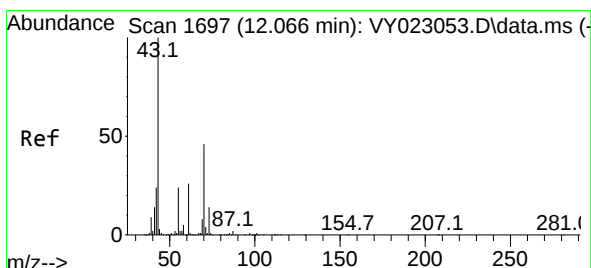
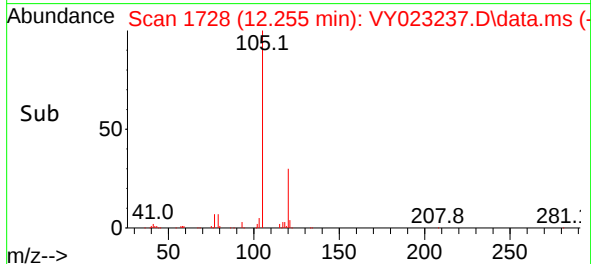
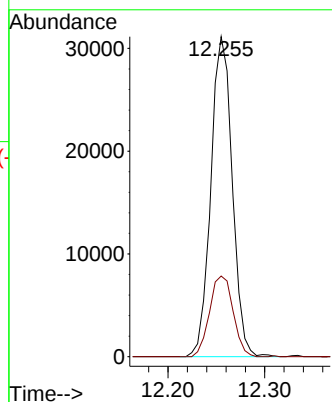
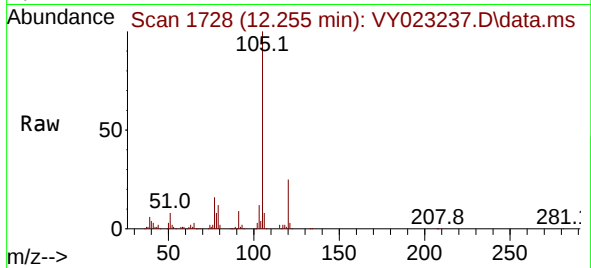




#73
Isopropylbenzene
Concen: 2.388 ug/l
RT: 12.255 min Scan# 1727
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

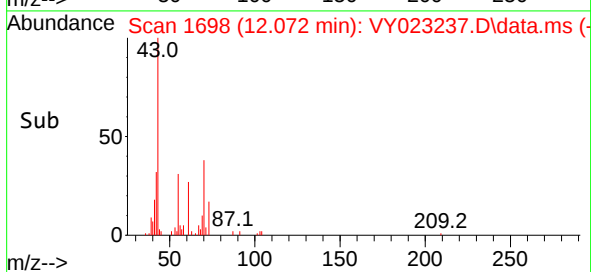
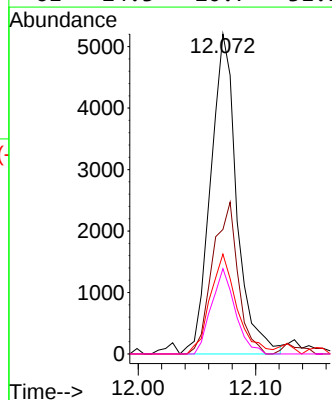
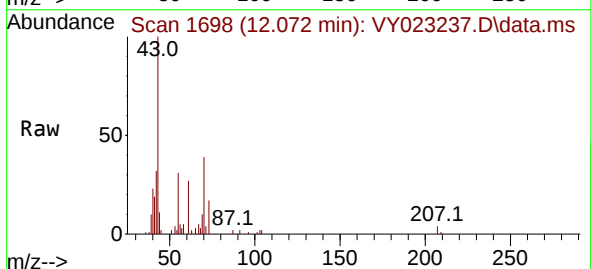
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

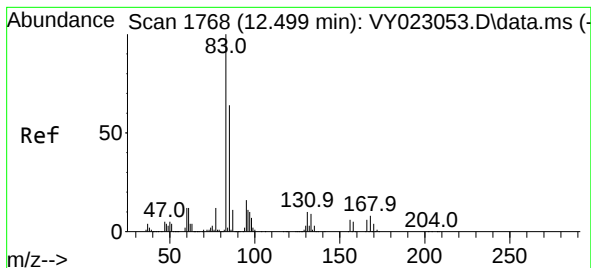
Tgt Ion:105 Resp: 47905
Ion Ratio Lower Upper
105 100
120 27.7 13.4 40.2



#74
N-ethyl acetate
Concen: 1.895 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion: 43 Resp: 8061
Ion Ratio Lower Upper
43 100
70 46.1 37.5 56.3
55 31.9 20.7 31.1#
61 24.3 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 2.476 ug/l

RT: 12.511 min Scan# 1770

Delta R.T. 0.012 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

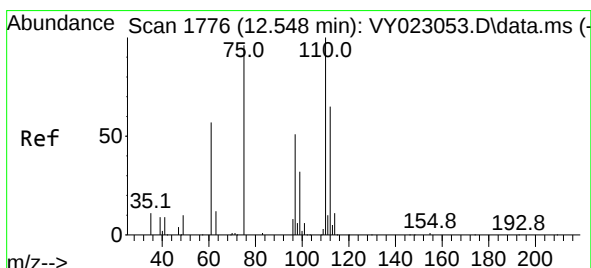
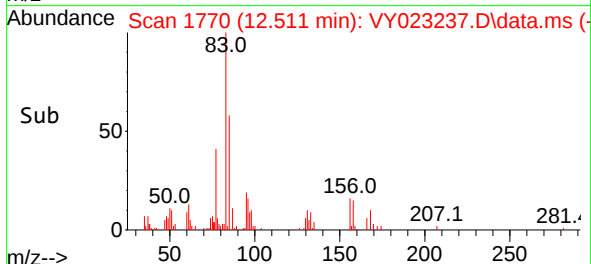
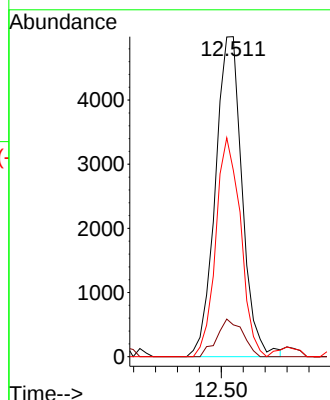
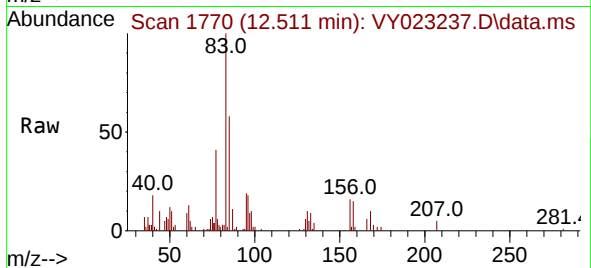
Tgt Ion: 83 Resp: 8481

Ion Ratio Lower Upper

83 100

131 11.3 5.1 15.3

85 63.0 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 4.462 ug/l

RT: 12.560 min Scan# 1778

Delta R.T. 0.012 min

Lab File: VY023237.D

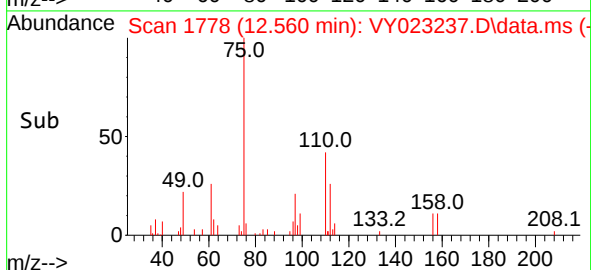
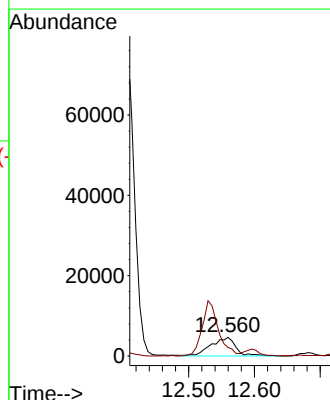
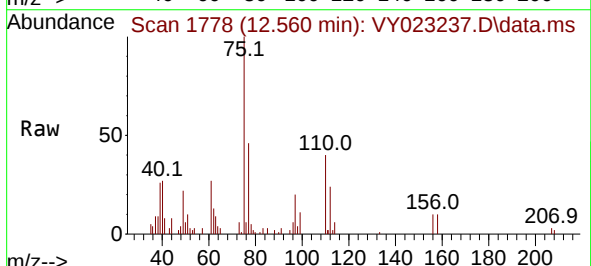
Acq: 29 Aug 2025 11:12

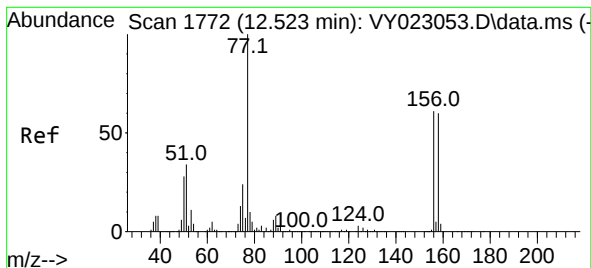
Tgt Ion: 75 Resp: 12240

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 3.014 ug/l

RT: 12.529 min Scan# 1772

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

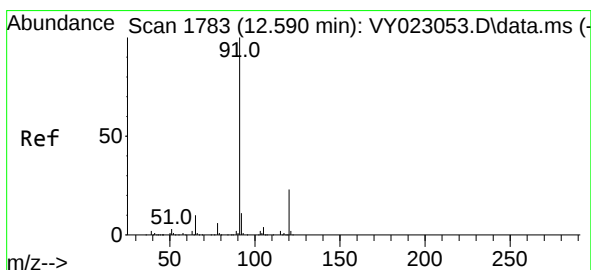
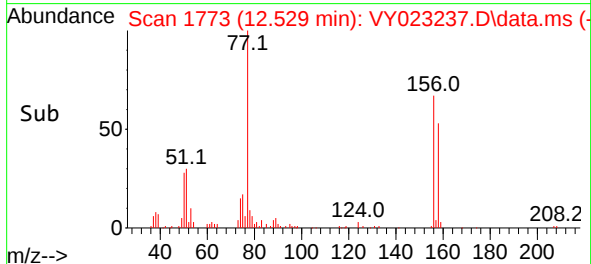
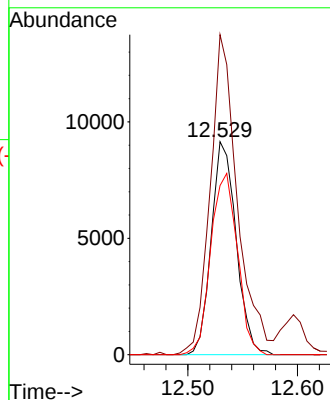
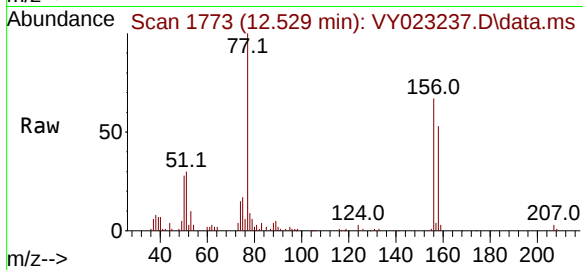
Tgt Ion:156 Resp: 14427

Ion Ratio Lower Upper

156 100

77 164.9 88.1 264.4

158 91.4 48.0 144.0



#78

n-propylbenzene

Concen: 2.612 ug/l

RT: 12.596 min Scan# 1784

Delta R.T. 0.006 min

Lab File: VY023237.D

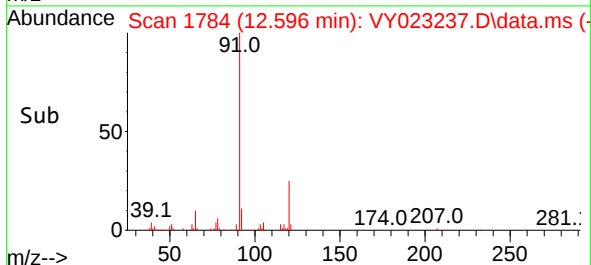
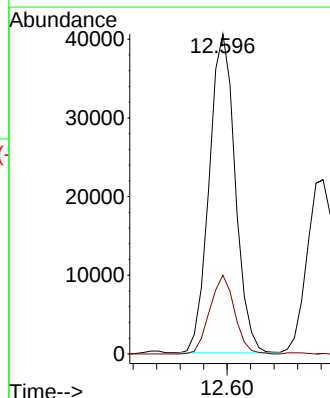
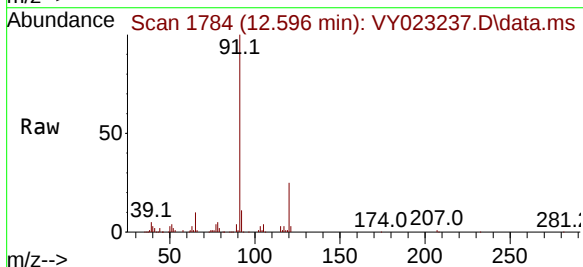
Acq: 29 Aug 2025 11:12

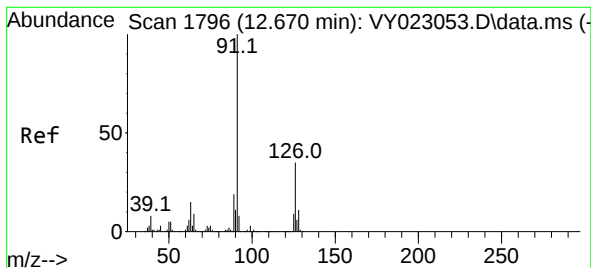
Tgt Ion: 91 Resp: 62387

Ion Ratio Lower Upper

91 100

120 23.4 11.5 34.5





#79

2-Chlorotoluene

Concen: 2.638 ug/l

RT: 12.682 min Scan# 1796

Delta R.T. 0.012 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

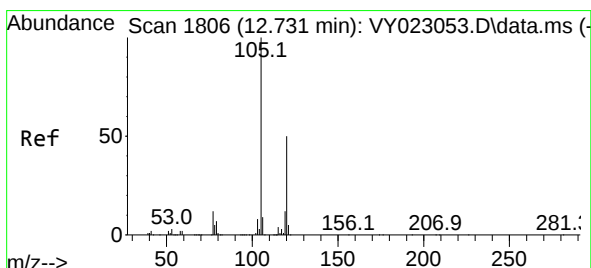
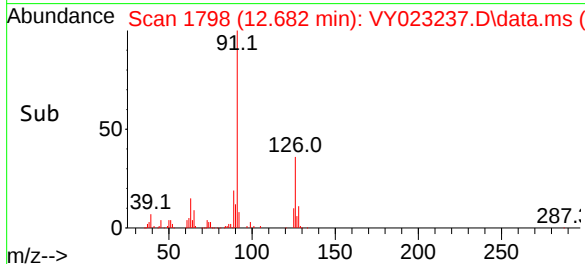
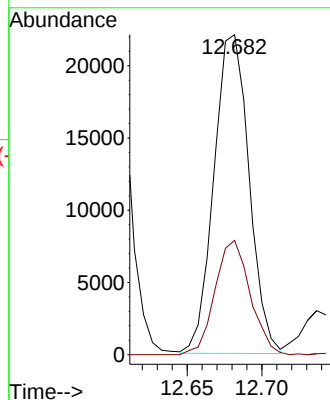
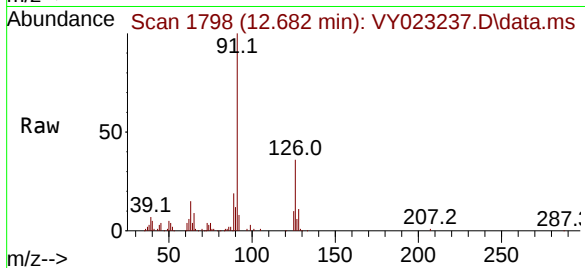
MDL-SOIL-03-QT3-2025

Tgt Ion: 91 Resp: 36101

Ion Ratio Lower Upper

91 100

126 35.7 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 2.369 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023237.D

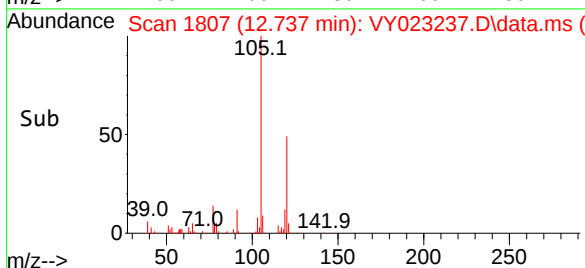
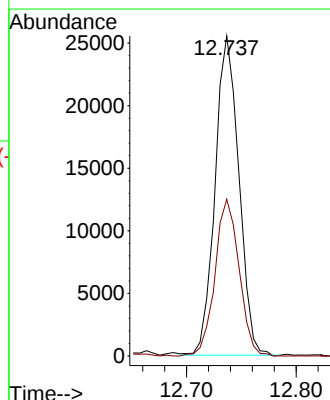
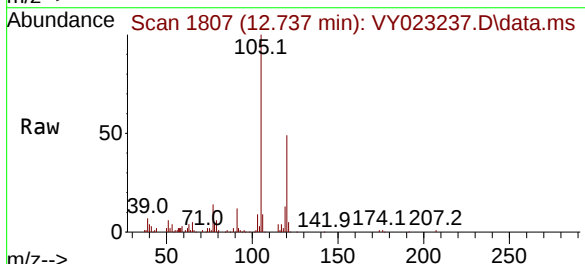
Acq: 29 Aug 2025 11:12

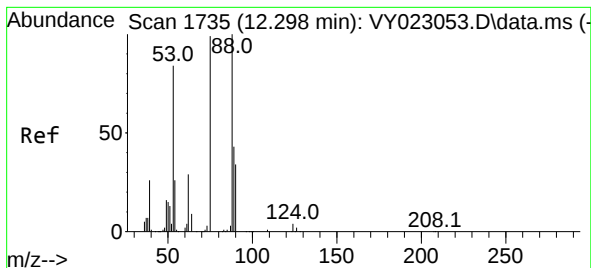
Tgt Ion: 105 Resp: 38416

Ion Ratio Lower Upper

105 100

120 49.8 24.8 74.4

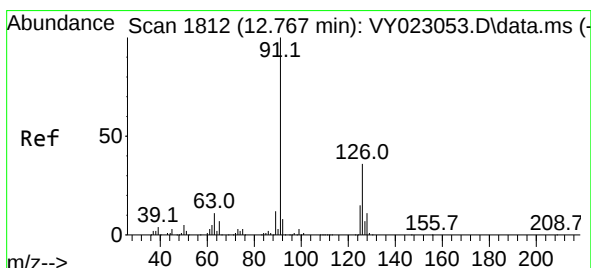
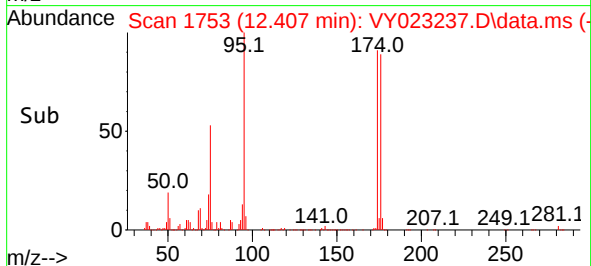
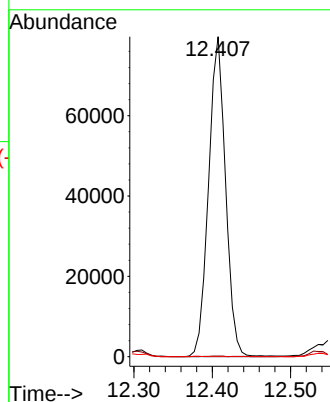
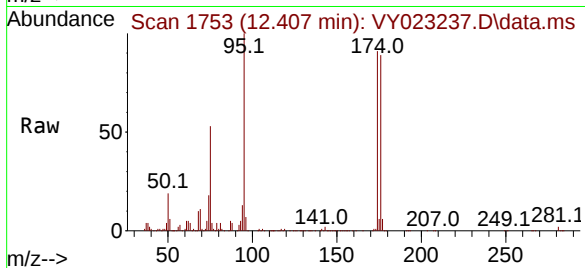




#81
trans-1,4-Dichloro-2-butene
Concen: 105.786 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

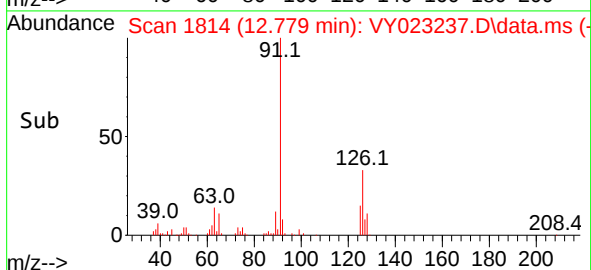
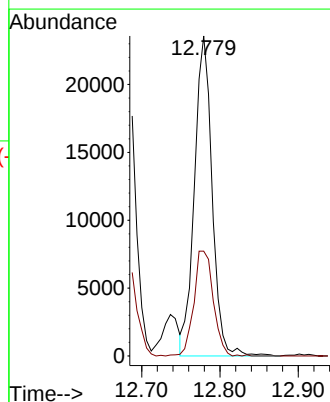
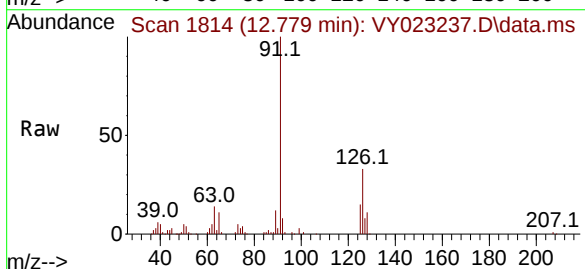
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

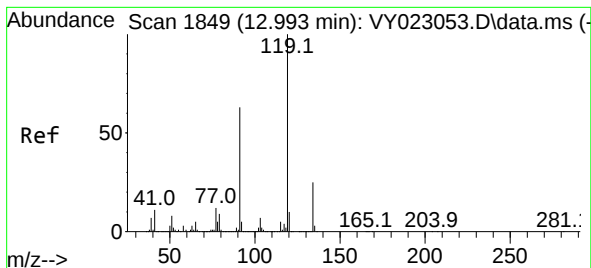
Tgt Ion: 75 Resp: 119892
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.0 38.1 57.1#



#82
4-Chlorotoluene
Concen: 2.607 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion: 91 Resp: 37009
Ion Ratio Lower Upper
91 100
126 36.2 17.3 52.0





#83

tert-Butylbenzene

Concen: 2.352 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

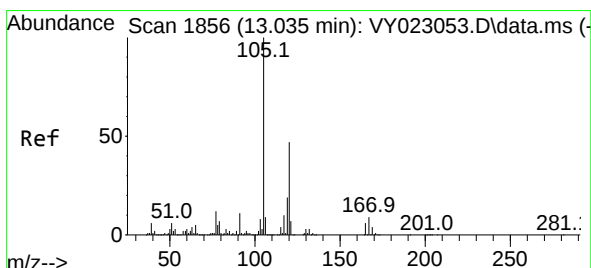
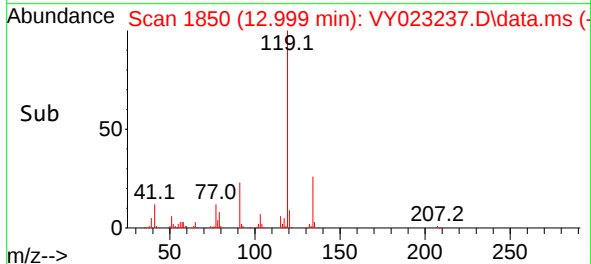
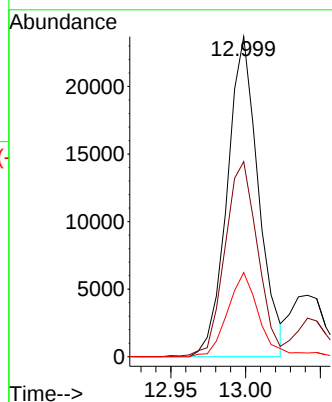
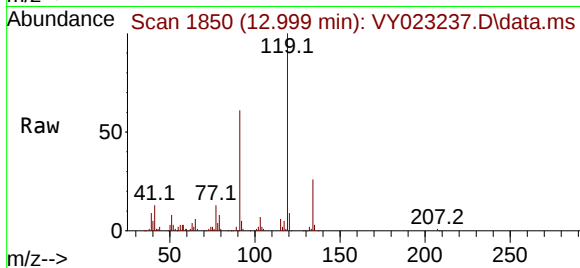
Tgt Ion:119 Resp: 34450

Ion Ratio Lower Upper

119 100

91 63.8 31.6 94.8

134 26.9 12.9 38.7



#84

1,2,4-Trimethylbenzene

Concen: 2.374 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. 0.006 min

Lab File: VY023237.D

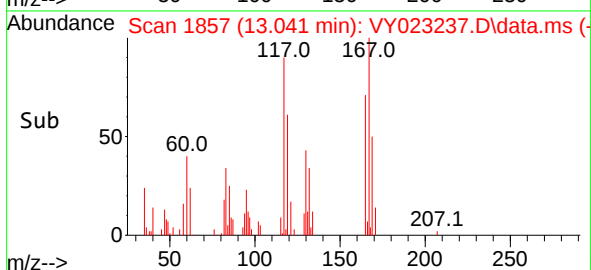
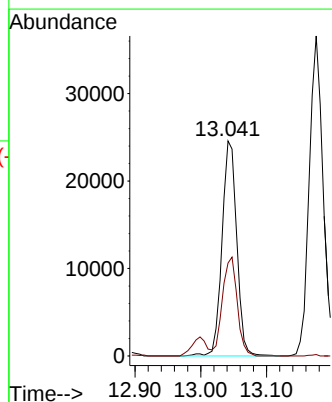
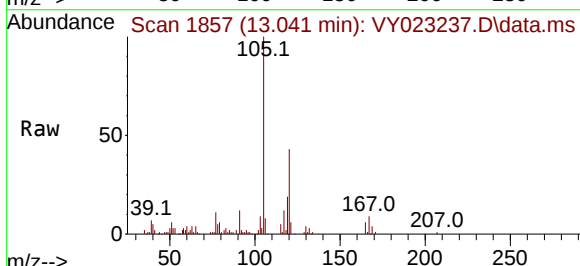
Acq: 29 Aug 2025 11:12

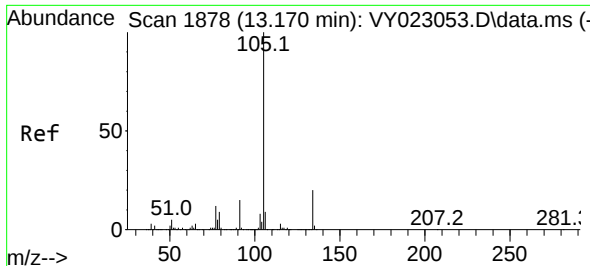
Tgt Ion:105 Resp: 38320

Ion Ratio Lower Upper

105 100

120 45.9 23.0 69.0

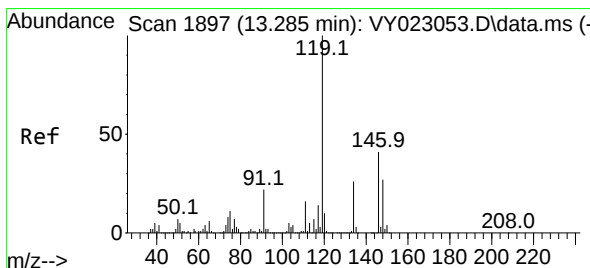
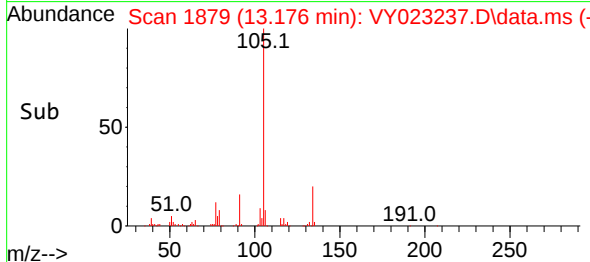
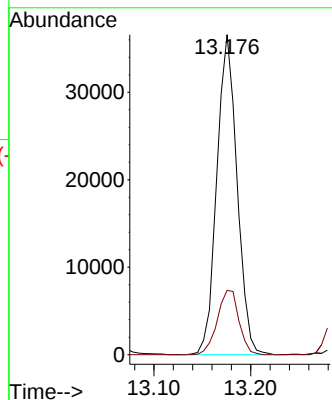
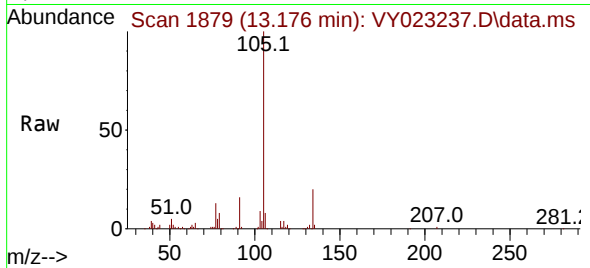




#85
 sec-Butylbenzene
 Concen: 2.469 ug/l
 RT: 13.176 min Scan# 1878
 Delta R.T. 0.006 min
 Lab File: VY023237.D
 Acq: 29 Aug 2025 11:12

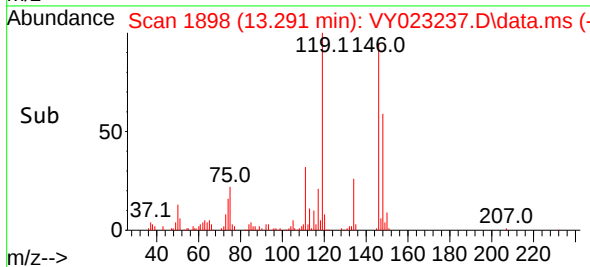
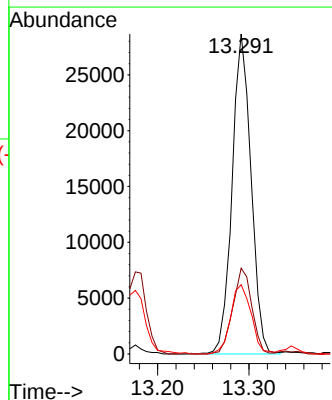
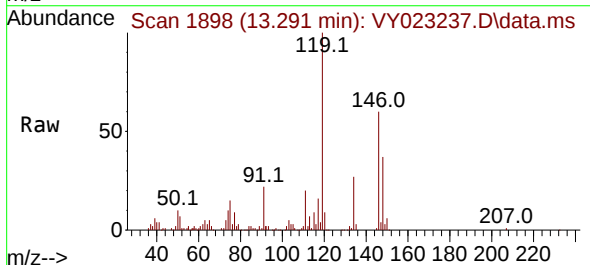
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

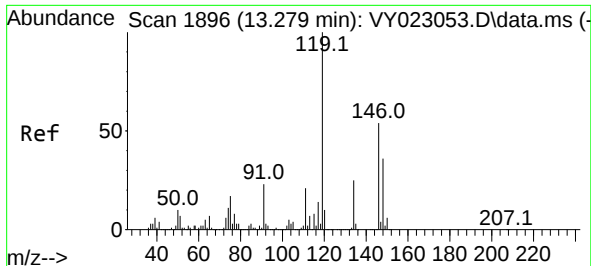
Tgt Ion:105 Resp: 53116
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 2.311 ug/l
 RT: 13.291 min Scan# 1898
 Delta R.T. 0.006 min
 Lab File: VY023237.D
 Acq: 29 Aug 2025 11:12

Tgt Ion:119 Resp: 41265
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.2 39.6
 91 23.4 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 2.975 ug/l

RT: 13.291 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

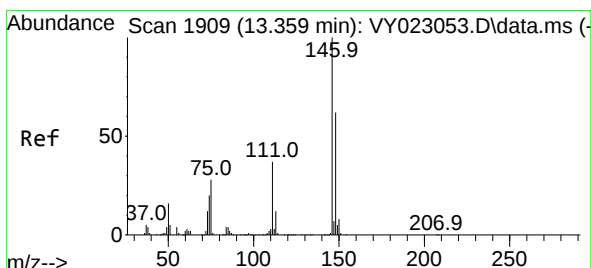
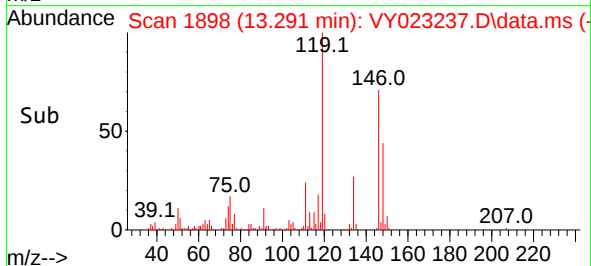
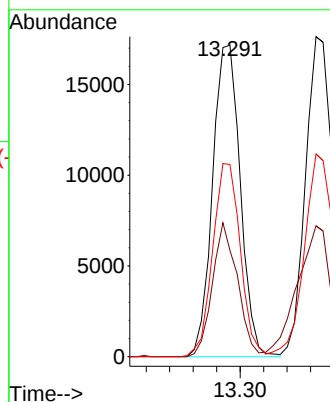
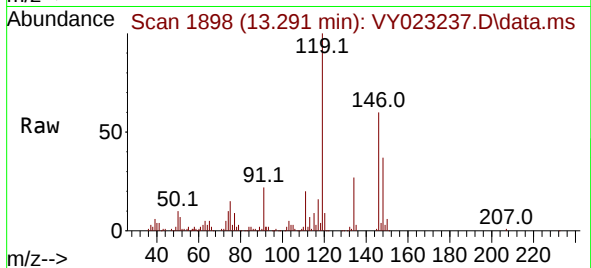
Tgt Ion:146 Resp: 28082

Ion Ratio Lower Upper

146 100

111 38.8 19.6 58.7

148 61.8 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 3.044 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

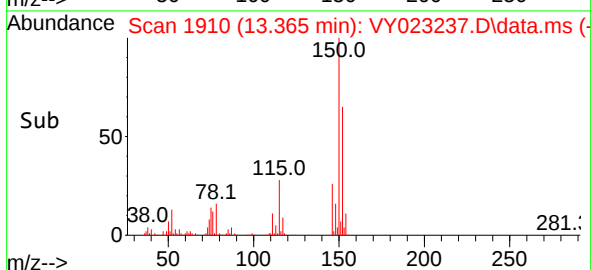
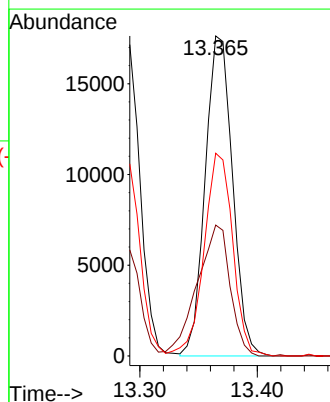
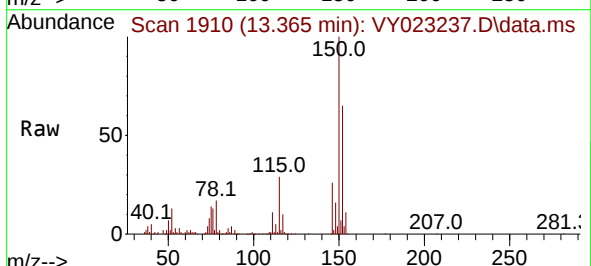
Tgt Ion:146 Resp: 28502

Ion Ratio Lower Upper

146 100

111 49.6 19.1 57.1

148 66.4 31.6 94.7





#89

n-Butylbenzene

Concen: 2.529 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. 0.012 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

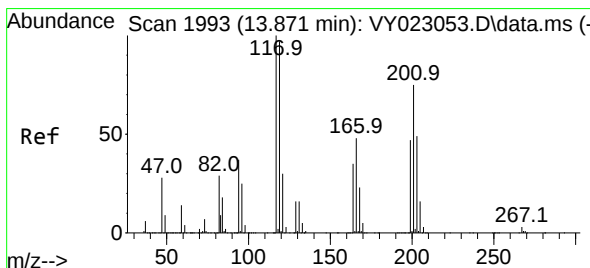
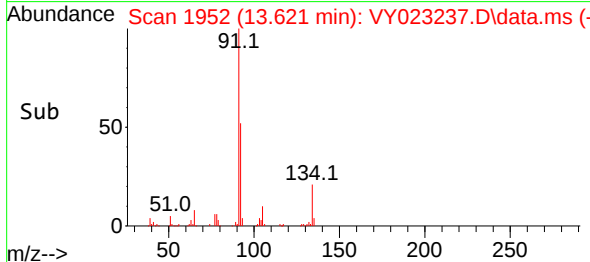
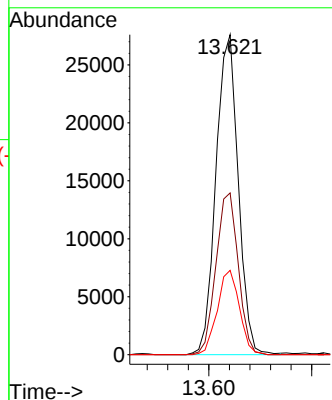
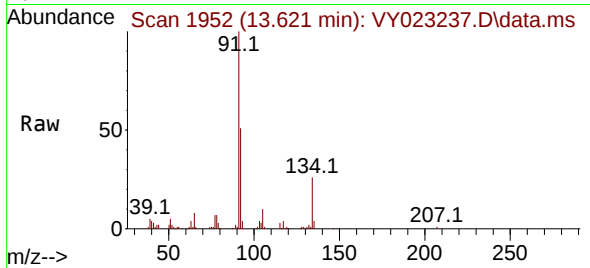
Tgt Ion: 91 Resp: 41480

Ion Ratio Lower Upper

91 100

92 50.6 26.9 80.7

134 26.2 13.2 39.5



#90

Hexachloroethane

Concen: 2.957 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.006 min

Lab File: VY023237.D

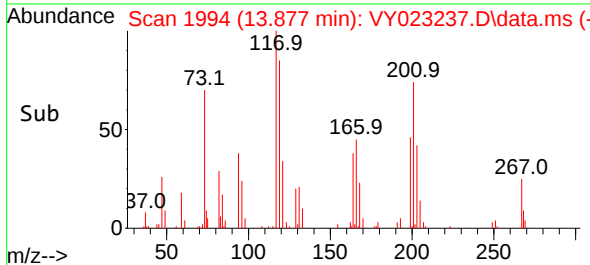
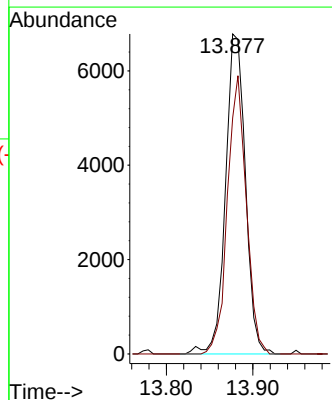
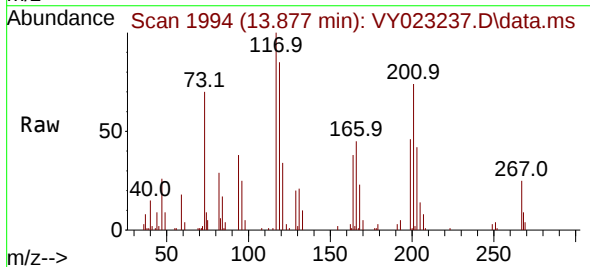
Acq: 29 Aug 2025 11:12

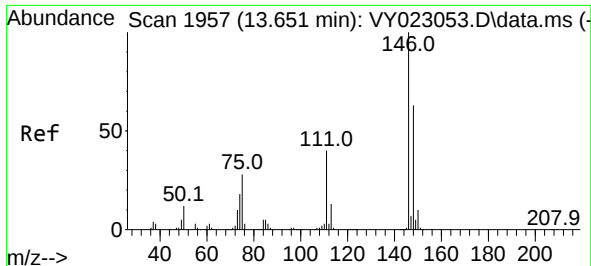
Tgt Ion: 117 Resp: 10811

Ion Ratio Lower Upper

117 100

201 82.5 38.4 115.1

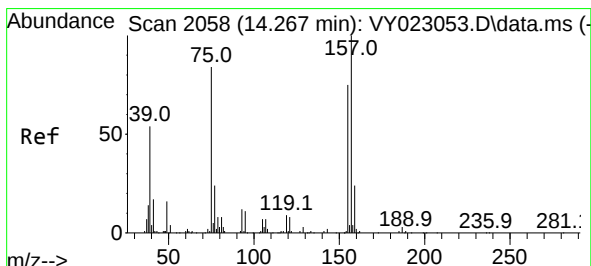
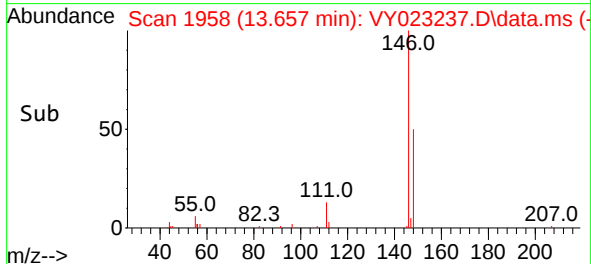
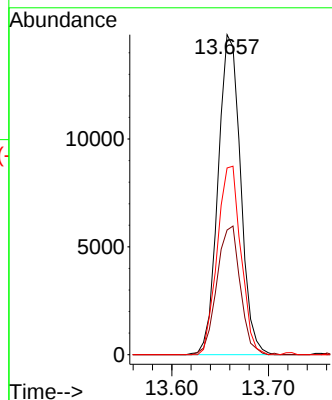
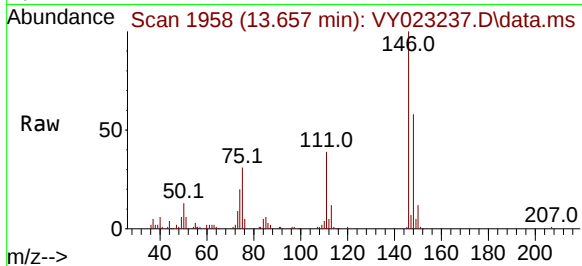




#91
1,2-Dichlorobenzene
Concen: 2.889 ug/l
RT: 13.657 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

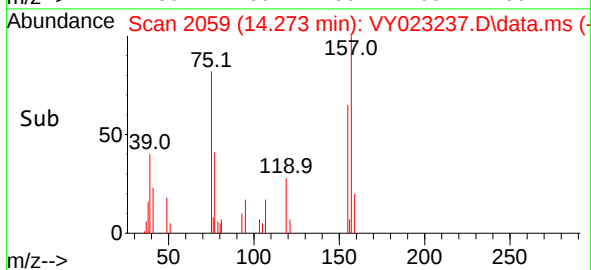
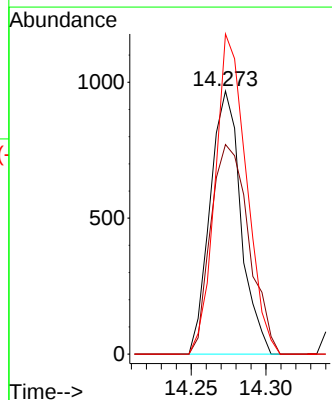
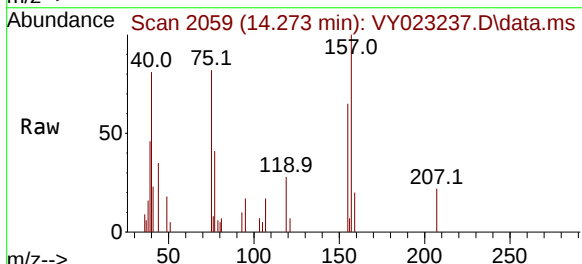
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

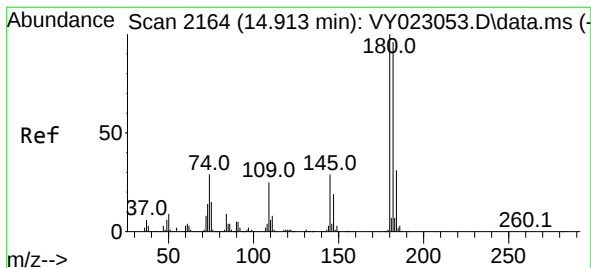
Tgt Ion:146	Resp:	23917
Ion Ratio	Lower	Upper
146	100	
111	41.9	20.3 60.8
148	61.8	32.2 96.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.602 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion: 75	Resp:	1388
Ion Ratio	Lower	Upper
75	100	
155	98.6	43.9 131.6
157	123.2	57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 2.891 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

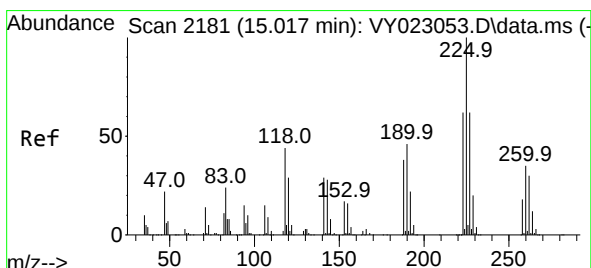
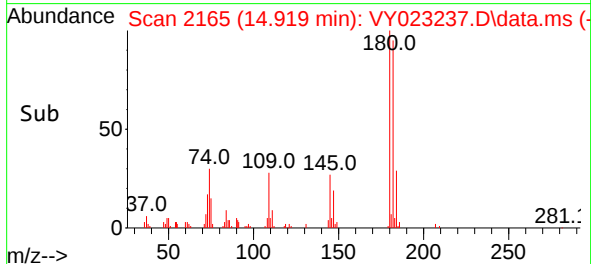
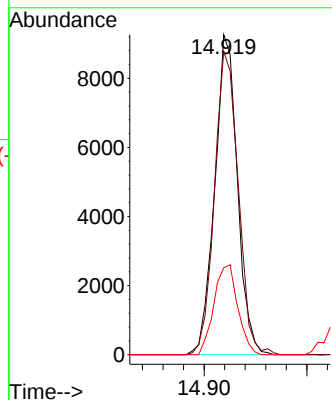
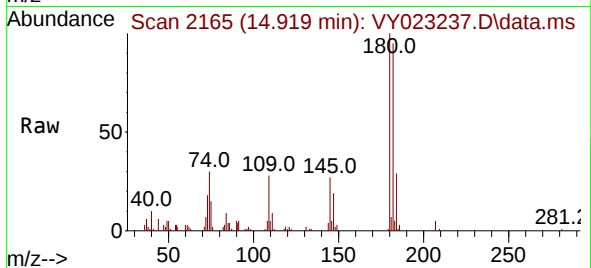
Tgt Ion:180 Resp: 14153

Ion Ratio Lower Upper

180 100

182 99.0 46.8 140.4

145 29.5 14.4 43.4



#94

Hexachlorobutadiene

Concen: 3.244 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

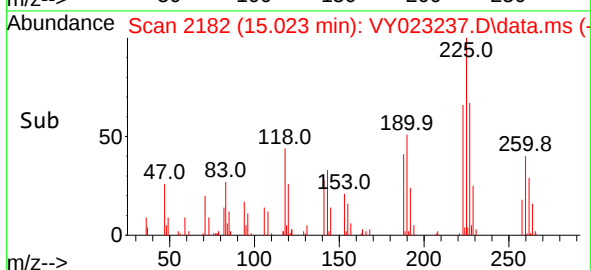
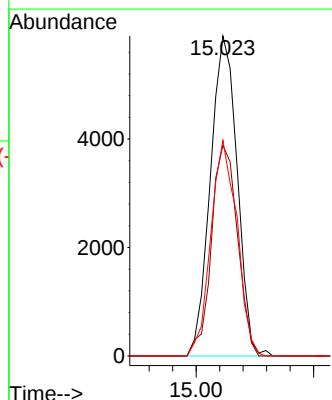
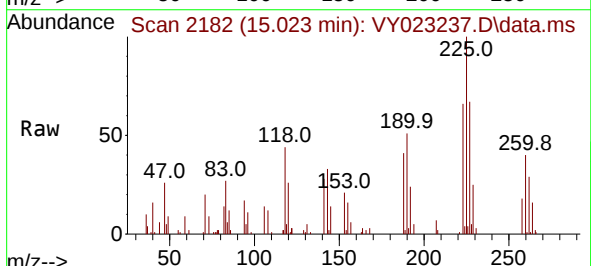
Tgt Ion:225 Resp: 9332

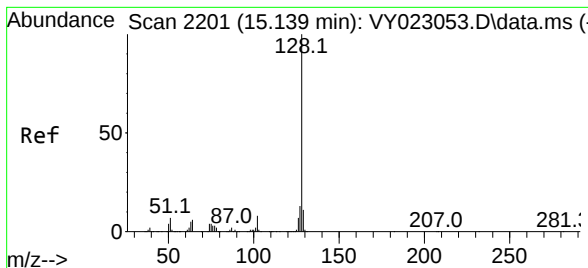
Ion Ratio Lower Upper

225 100

223 64.2 31.3 93.8

227 66.0 31.5 94.5





#95

Naphthalene

Concen: 2.452 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

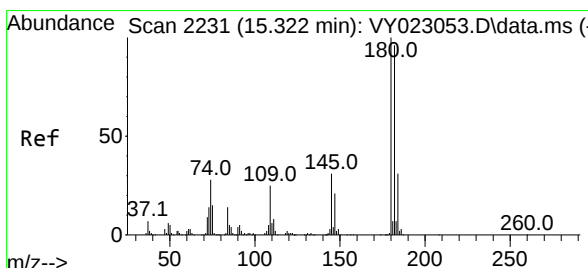
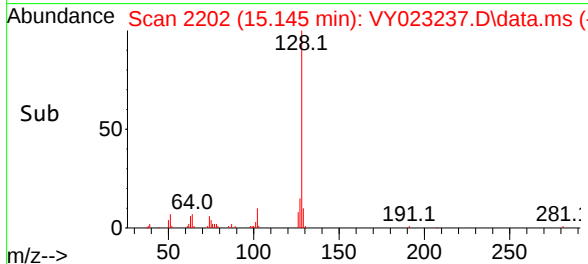
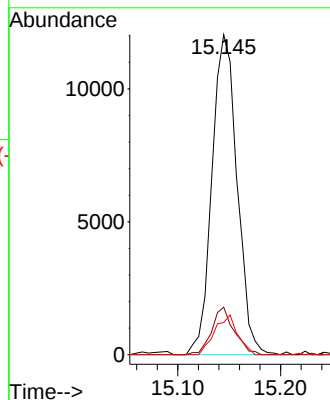
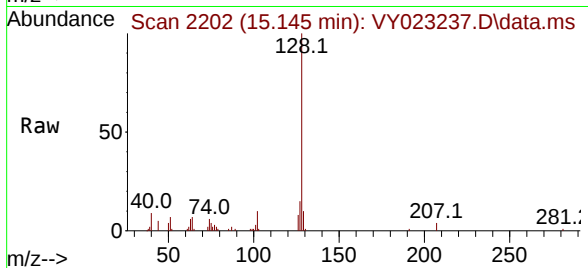
Tgt Ion:128 Resp: 20469

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 11.3 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 3.085 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Tgt Ion:180 Resp: 13015

Ion Ratio Lower Upper

180 100

182 93.9 47.9 143.7

145 30.5 15.9 47.7

