

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023220.D
 Acq On : 28 Aug 2025 12:44
 Operator : SY/MD
 Sample : Q2893-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

Quant Time: Aug 29 02:56:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 02:54:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	462195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	746256	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	635403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	304407	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	212418	48.222	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.440%
35) Dibromofluoromethane	7.640	113	221162	49.528	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.060%
50) Toluene-d8	10.109	98	844964	48.438	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.880%
62) 4-Bromofluorobenzene	12.402	95	254403	45.348	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.700%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	21390	5.670	ug/l	95
3) Chloromethane	2.074	50	32088	5.251	ug/l	99
4) Vinyl Chloride	2.202	62	39840	5.274	ug/l	95
5) Bromomethane	2.598	94	34244	6.070	ug/l	98
6) Chloroethane	2.739	64	26916	5.360	ug/l	100
7) Trichlorofluoromethane	3.056	101	47272	5.147	ug/l	92
8) Diethyl Ether	3.452	74	12253	5.042	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	24574	5.423	ug/l	94
10) Methyl Iodide	4.007	142	24398	4.990	ug/l	98
11) Tert butyl alcohol	4.866	59	6956	23.046	ug/l	98
12) 1,1-Dichloroethene	3.787	96	24101	5.411	ug/l	86
13) Acrolein	3.659	56	5533	12.517	ug/l	100
14) Allyl chloride	4.385	41	31007	4.731	ug/l	98
15) Acrylonitrile	5.067	53	22786	23.065	ug/l	99
16) Acetone	3.873	43	26149	27.400	ug/l	97
17) Carbon Disulfide	4.110	76	73321	5.049	ug/l	98
18) Methyl Acetate	4.391	43	13931	4.905	ug/l	91
19) Methyl tert-butyl Ether	5.116	73	52567	4.555	ug/l	92
20) Methylene Chloride	4.616	84	36551	6.380	ug/l	90
21) trans-1,2-Dichloroethene	5.122	96	26476	5.290	ug/l	92
22) Diisopropyl ether	6.019	45	64259	4.512	ug/l #	86
23) Vinyl Acetate	5.970	43	161185	20.469	ug/l	99
24) 1,1-Dichloroethane	5.915	63	44186	5.075	ug/l	97
25) 2-Butanone	6.902	43	30392	23.416	ug/l	96
26) 2,2-Dichloropropane	6.890	77	38878	5.175	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	30338	5.243	ug/l	95
28) Bromochloromethane	7.250	49	17700	5.124	ug/l	93
29) Tetrahydrofuran	7.268	42	16586	20.616	ug/l	94
30) Chloroform	7.427	83	47753	5.318	ug/l	100
31) Cyclohexane	7.707	56	42940	5.233	ug/l #	85
32) 1,1,1-Trichloroethane	7.616	97	42678	5.356	ug/l	99
36) 1,1-Dichloropropene	7.835	75	32734	4.933	ug/l	98
37) Ethyl Acetate	6.994	43	11159	4.003	ug/l #	91
38) Carbon Tetrachloride	7.823	117	38764	5.378	ug/l	93
39) Methylcyclohexane	9.109	83	40351	4.617	ug/l	98
40) Benzene	8.079	78	104423	5.105	ug/l	97

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	6127	3.808	ug/l #	87
42) 1,2-Dichloroethane	8.164	62	27001	5.076	ug/l	98
43) Isopropyl Acetate	8.201	43	24512	4.350	ug/l	95
44) Trichloroethene	8.872	130	28787	5.446	ug/l	93
45) 1,2-Dichloropropane	9.140	63	24456	5.197	ug/l	98
46) Dibromomethane	9.231	93	13706	5.074	ug/l	97
47) Bromodichloromethane	9.426	83	35964	5.174	ug/l	98
48) Methyl methacrylate	9.219	41	9843	3.651	ug/l	83
49) 1,4-Dioxane	9.237	88	2839	89.637	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	57177	19.673	ug/l	99
52) Toluene	10.170	92	66510	5.120	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	29069	4.619	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	35103	4.717	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	18926	5.236	ug/l	93
56) Ethyl methacrylate	10.438	69	18269	3.950	ug/l	98
57) 1,3-Dichloropropane	10.719	76	30474	4.971	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	40034	18.350	ug/l	95
59) 2-Hexanone	10.762	43	39345	19.881	ug/l	96
60) Dibromochloromethane	10.908	129	24400	5.116	ug/l	99
61) 1,2-Dibromoethane	11.018	107	16856	4.962	ug/l	98
64) Tetrachloroethene	10.646	164	35555	6.267	ug/l	96
65) Chlorobenzene	11.444	112	73485	5.362	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.511	131	25617	5.507	ug/l	98
67) Ethyl Benzene	11.518	91	111958	4.747	ug/l	95
68) m/p-Xylenes	11.627	106	87954	9.548	ug/l	96
69) o-Xylene	11.950	106	40391	4.682	ug/l	98
70) Styrene	11.969	104	63624	4.509	ug/l	98
71) Bromoform	12.133	173	14414	5.302	ug/l #	99
73) Isopropylbenzene	12.255	105	100620	4.683	ug/l	98
74) N-amyl acetate	12.072	43	16953	3.721	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	17416	4.747	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	24261	8.258	ug/l #	100
77) Bromobenzene	12.530	156	27966	5.456	ug/l	95
78) n-propylbenzene	12.597	91	125763	4.917	ug/l	99
79) 2-Chlorotoluene	12.676	91	75037	5.120	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	82972	4.778	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	5425	4.470	ug/l	93
82) 4-Chlorotoluene	12.773	91	74817	4.921	ug/l	97
83) tert-Butylbenzene	12.993	119	74335	4.740	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	79567	4.603	ug/l	99
85) sec-Butylbenzene	13.176	105	110885	4.813	ug/l	99
86) p-Isopropyltoluene	13.292	119	86616	4.530	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	53744	5.317	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	54967	5.482	ug/l	96
89) n-Butylbenzene	13.615	91	78190	4.452	ug/l	99
90) Hexachloroethane	13.877	117	21628	5.525	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	46103	5.201	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2877	5.037	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	24858	4.742	ug/l	99
94) Hexachlorobutadiene	15.023	225	16939	5.499	ug/l	99
95) Naphthalene	15.145	128	34430	3.852	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	21359	4.728	ug/l	96

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Response via : Initial Calibration

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

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

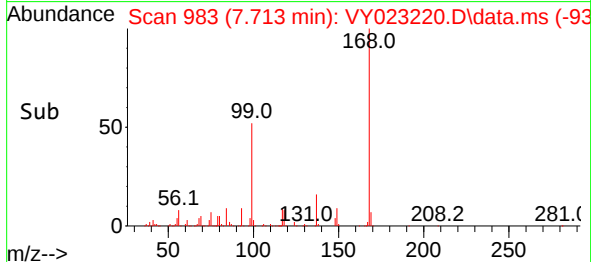
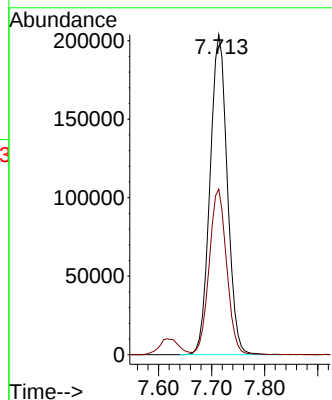
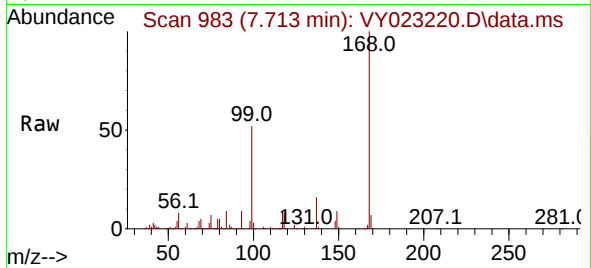
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023220.D
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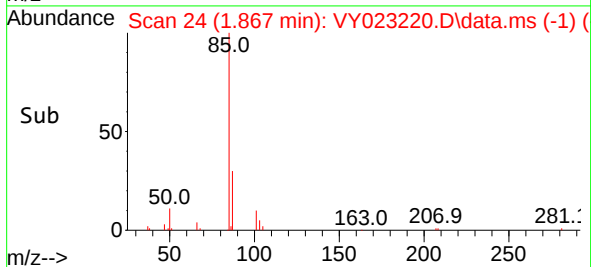
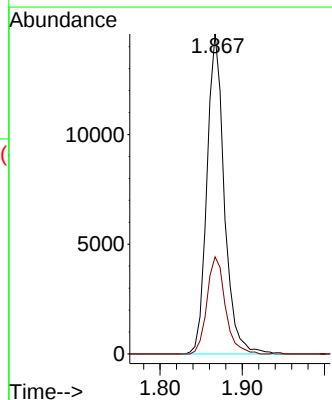
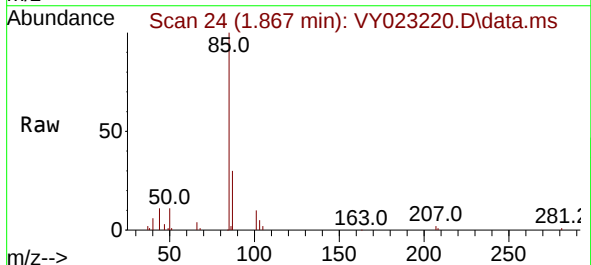
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Tgt Ion:168 Resp: 462195
Ion Ratio Lower Upper
168 100
99 51.7 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 5.670 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion: 85 Resp: 21390
Ion Ratio Lower Upper
85 100
87 30.3 16.6 49.8

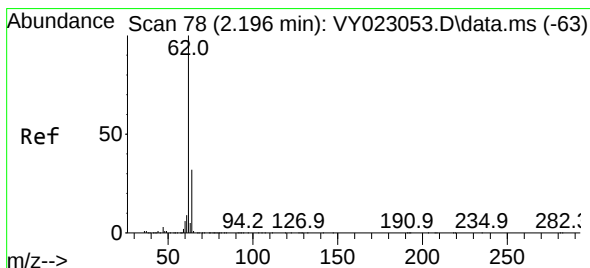
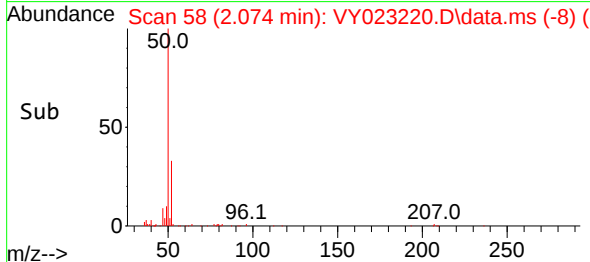
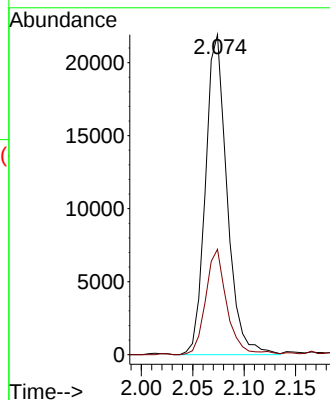
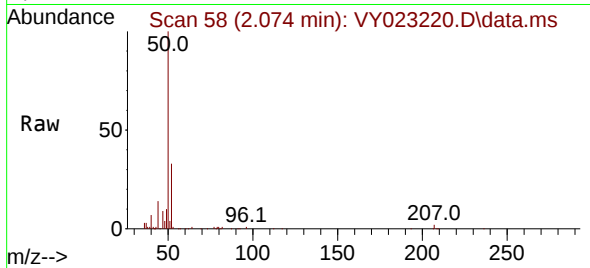




#3
Chloromethane
Concen: 5.251 ug/l
RT: 2.074 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

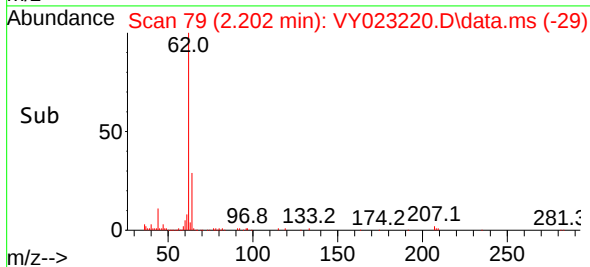
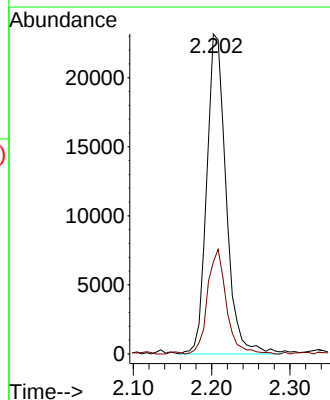
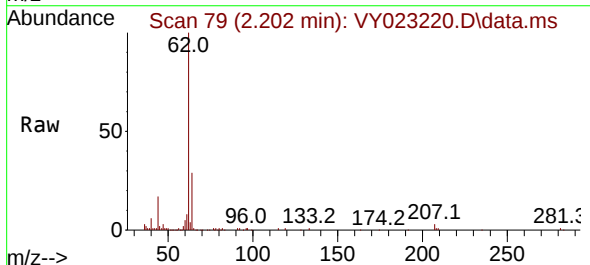
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Tgt Ion: 50 Resp: 32088
Ion Ratio Lower Upper
50 100
52 33.0 26.7 40.1



#4
Vinyl Chloride
Concen: 5.274 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion: 62 Resp: 39840
Ion Ratio Lower Upper
62 100
64 28.8 25.4 38.0

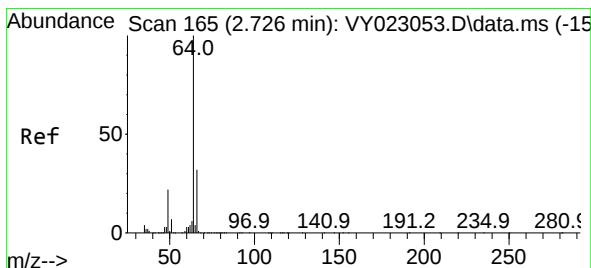
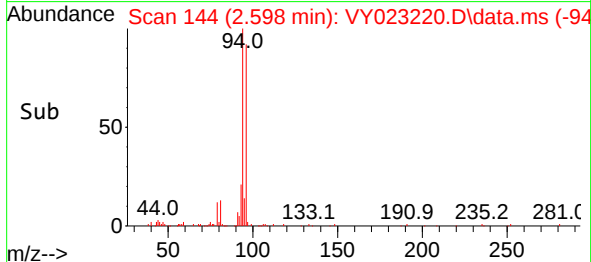
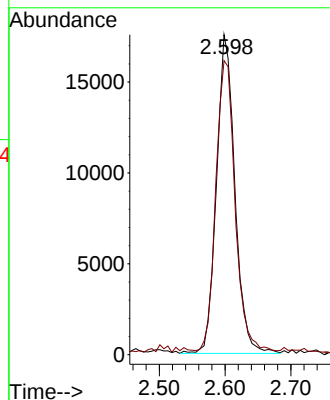
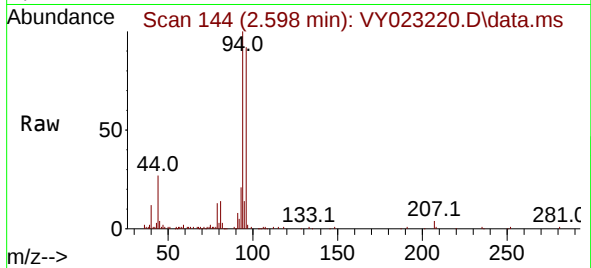




#5
Bromomethane
Concen: 6.070 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

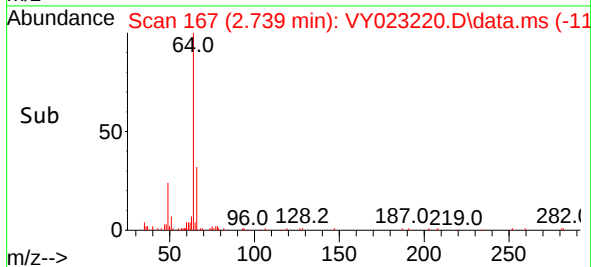
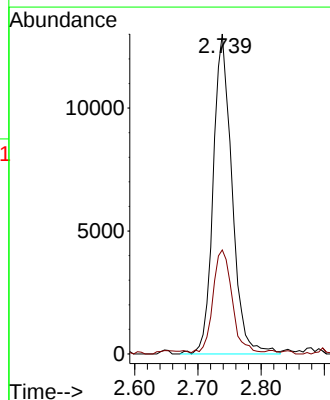
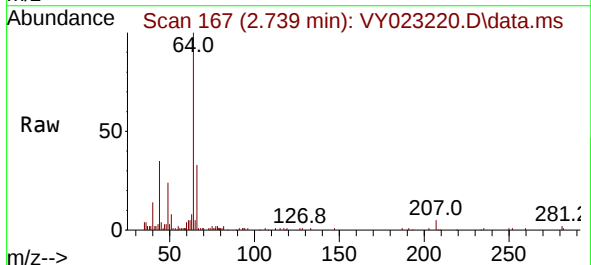
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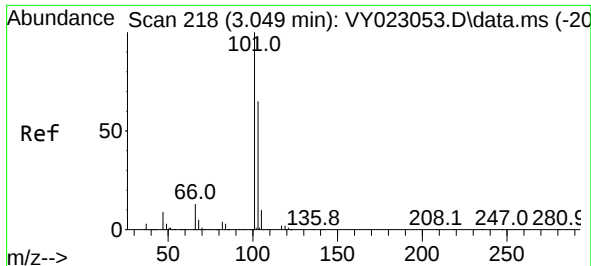
Tgt Ion: 94 Resp: 34244
Ion Ratio Lower Upper
94 100
96 91.0 74.6 112.0



#6
Chloroethane
Concen: 5.360 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.012 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion: 64 Resp: 26916
Ion Ratio Lower Upper
64 100
66 32.0 25.8 38.6

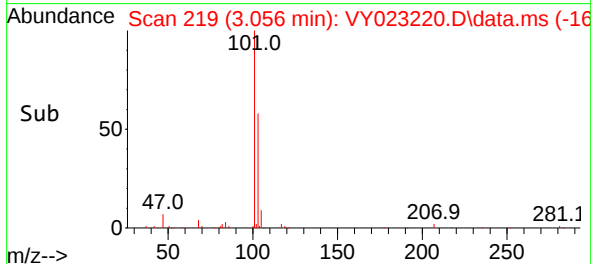
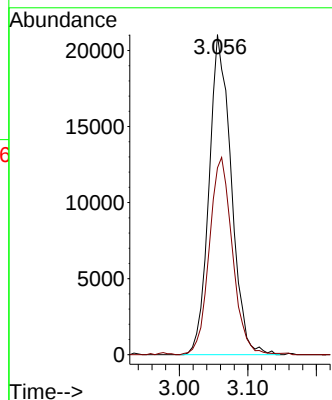
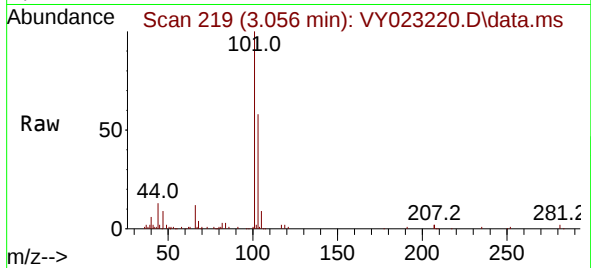




#7
Trichlorofluoromethane
Concen: 5.147 ug/l
RT: 3.056 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

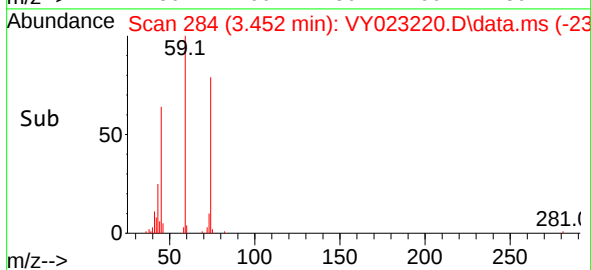
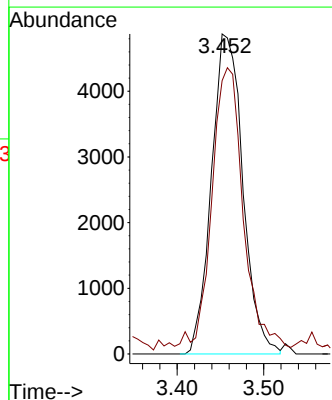
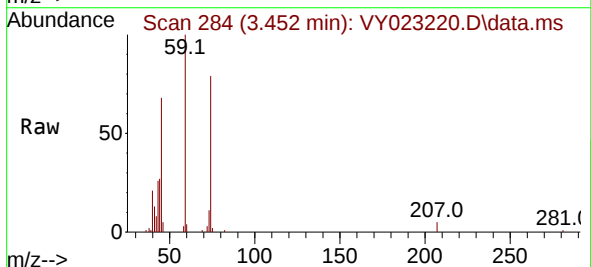
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Tgt Ion:101 Resp: 47272
Ion Ratio Lower Upper
101 100
103 58.4 51.9 77.9



#8
Diethyl Ether
Concen: 5.042 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion: 74 Resp: 12253
Ion Ratio Lower Upper
74 100
45 88.3 44.4 133.2

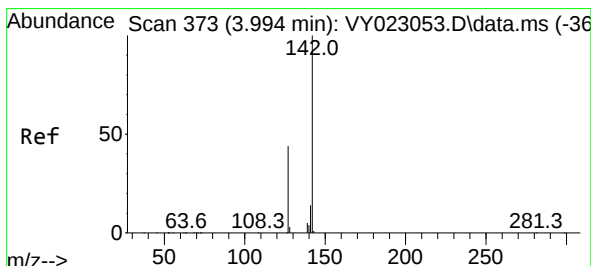
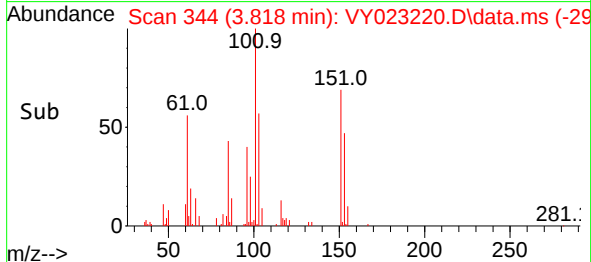
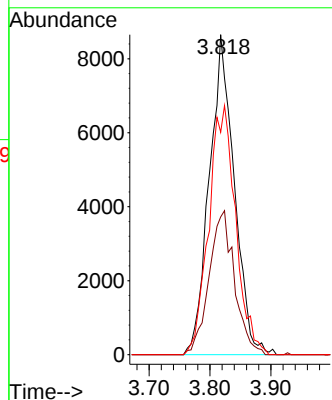
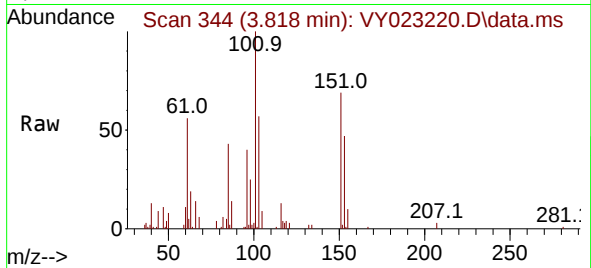




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.423 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

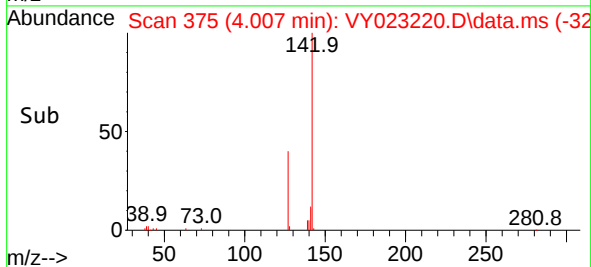
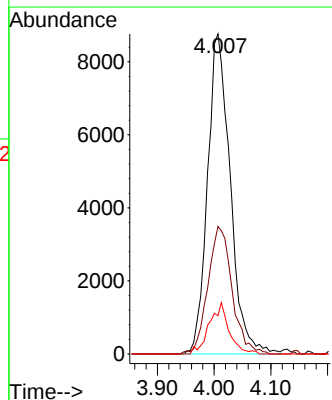
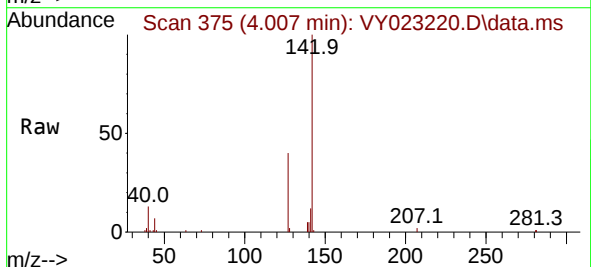
Instrument :
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Tgt Ion:101 Resp: 24574
Ion Ratio Lower Upper
101 100
85 46.0 36.3 54.5
151 84.1 61.5 92.3



#10
Methyl Iodide
Concen: 4.990 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion:142 Resp: 24398
Ion Ratio Lower Upper
142 100
127 42.3 34.9 52.3
141 13.9 11.3 16.9

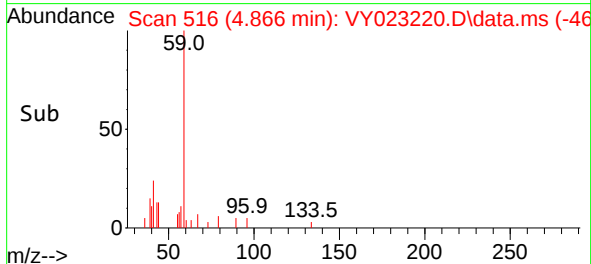
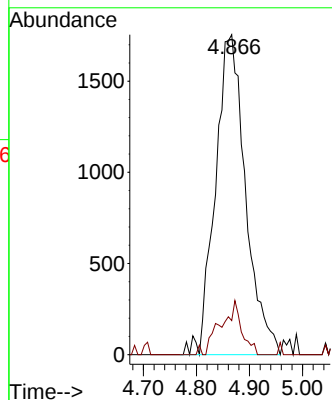
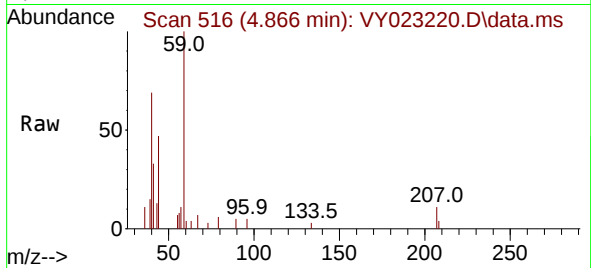




#11
Tert butyl alcohol
Concen: 23.046 ug/l
RT: 4.866 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

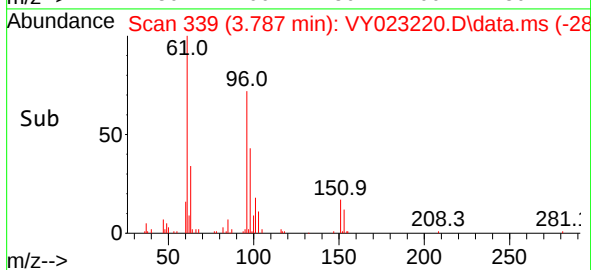
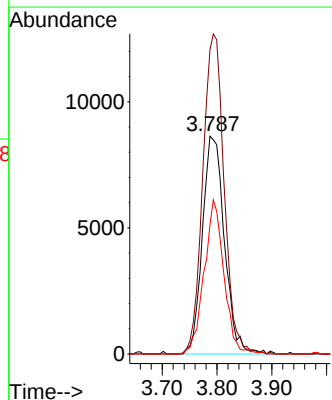
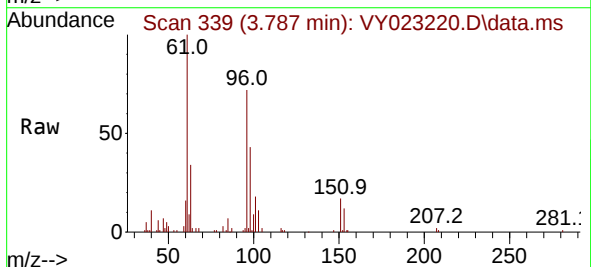
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Tgt Ion: 59 Resp: 6956
Ion Ratio Lower Upper
59 100
57 11.5 8.6 13.0



#12
1,1-Dichloroethene
Concen: 5.411 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion: 96 Resp: 24101
Ion Ratio Lower Upper
96 100
61 139.6 129.4 194.2
98 59.4 52.8 79.2

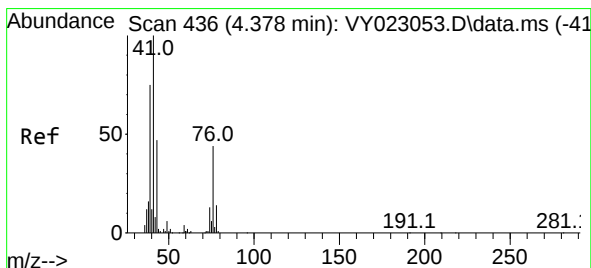
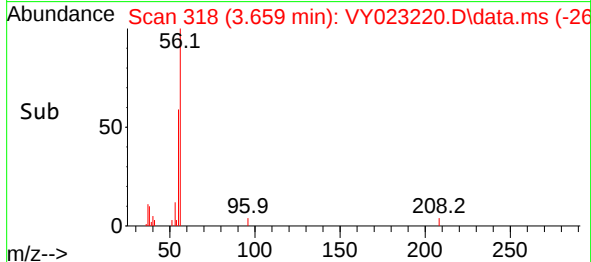
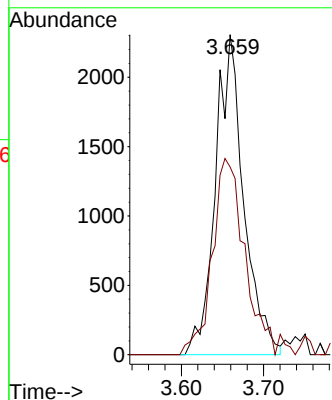
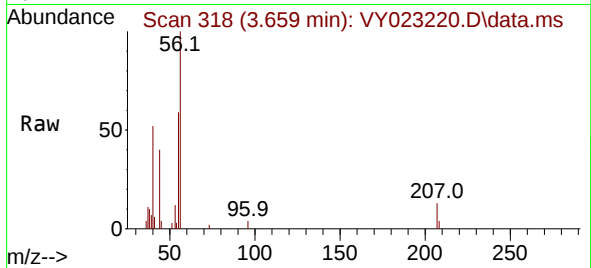




#13
Acrolein
Concen: 12.517 ug/l
RT: 3.659 min Scan# 316
Delta R.T. 0.012 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

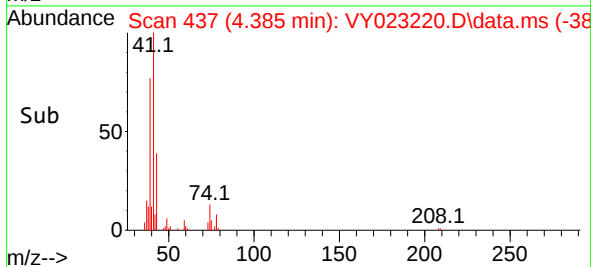
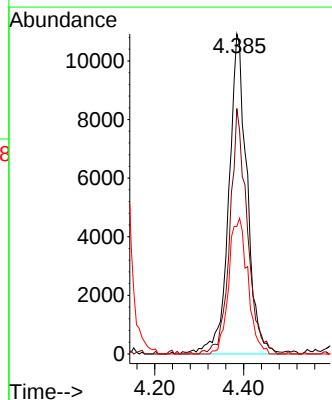
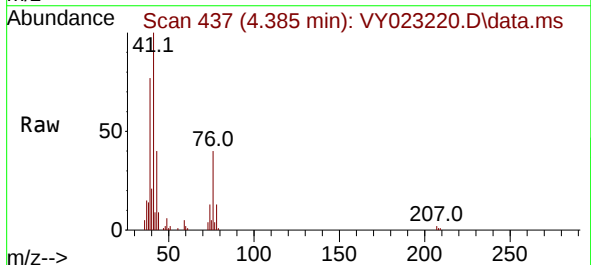
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

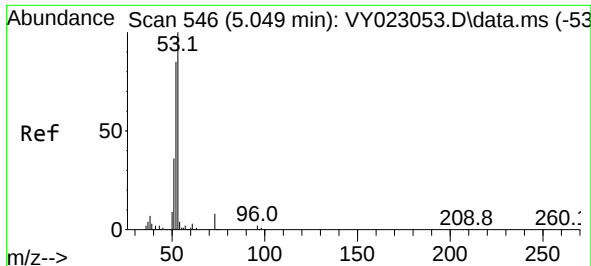
Tgt Ion: 56 Resp: 5533
Ion Ratio Lower Upper
56 100
55 69.4 55.2 82.8



#14
Allyl chloride
Concen: 4.731 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion: 41 Resp: 31007
Ion Ratio Lower Upper
41 100
39 73.2 59.8 89.6
76 44.3 33.7 50.5

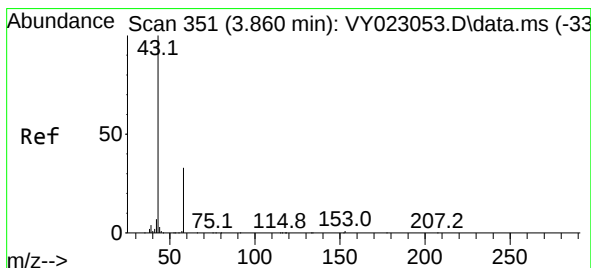
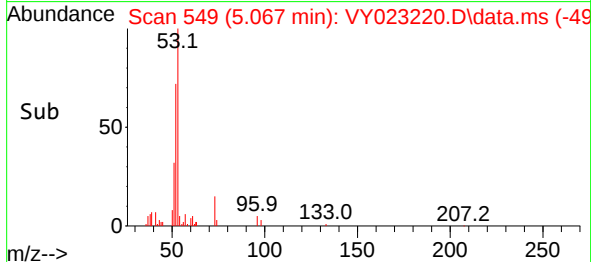
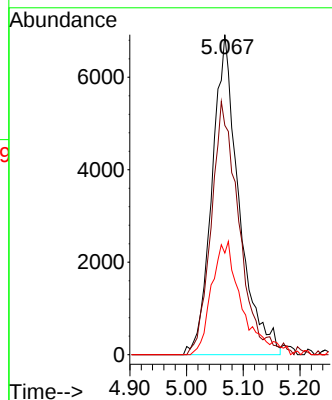
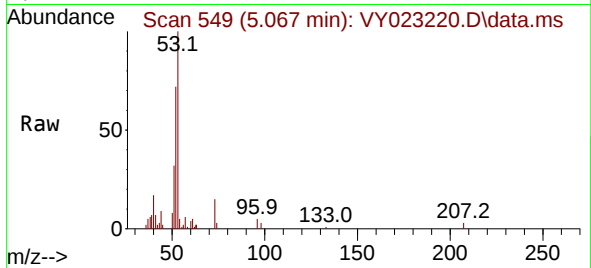




#15
Acrylonitrile
Concen: 23.065 ug/l
RT: 5.067 min Scan# 546
Delta R.T. 0.018 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

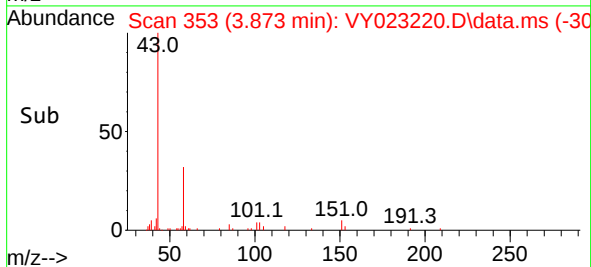
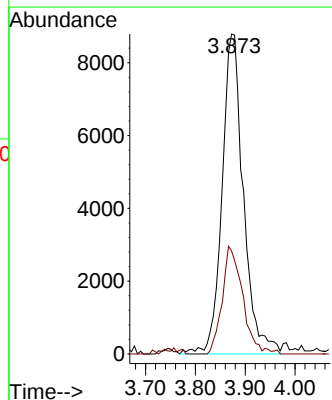
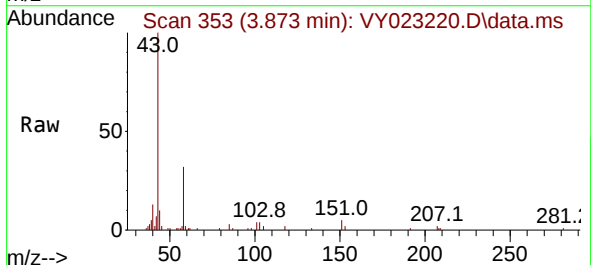
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Tgt Ion: 53	Resp: 22786
Ion Ratio	Lower Upper
53 100	
52 81.2	65.3 97.9
51 38.1	29.5 44.3



#16
Acetone
Concen: 27.400 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion: 43	Resp: 26149
Ion Ratio	Lower Upper
43 100	
58 32.2	27.1 40.7

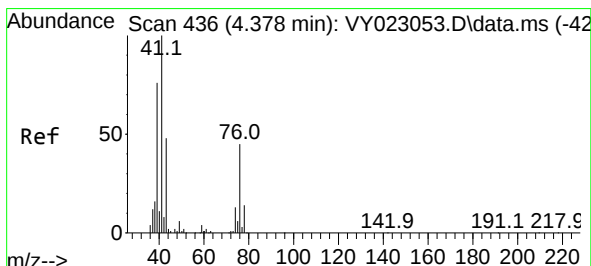
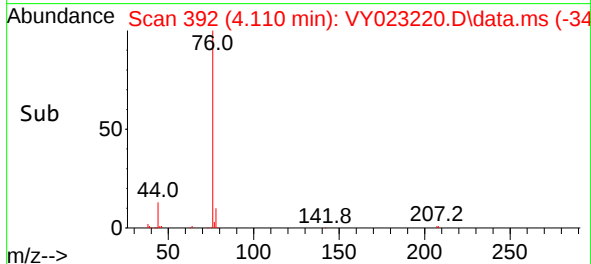
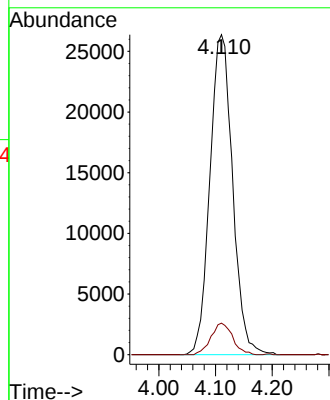
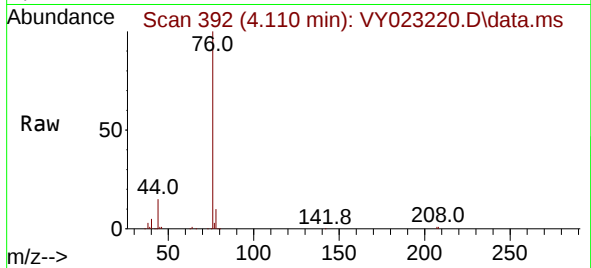




#17
Carbon Disulfide
Concen: 5.049 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

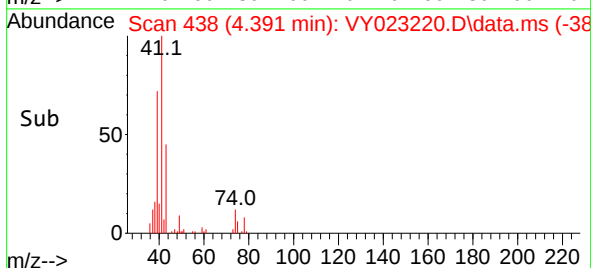
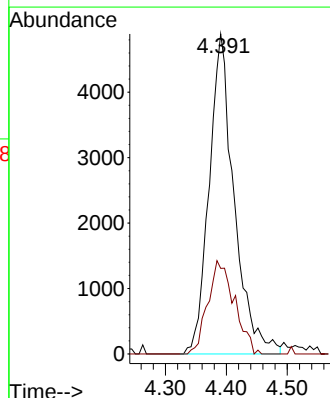
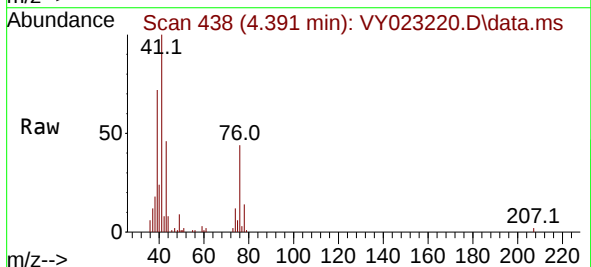
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Tgt Ion: 76 Resp: 73321
Ion Ratio Lower Upper
76 100
78 9.9 7.4 11.2



#18
Methyl Acetate
Concen: 4.905 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.012 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion: 43 Resp: 13931
Ion Ratio Lower Upper
43 100
74 31.0 21.2 31.8

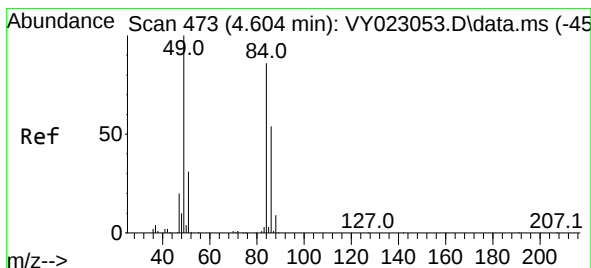
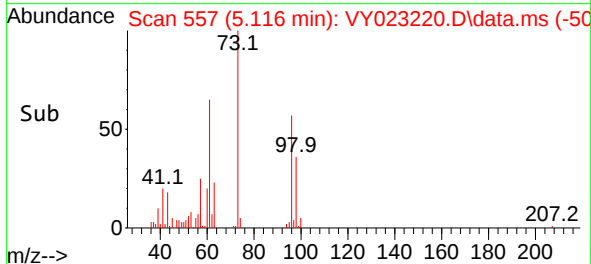
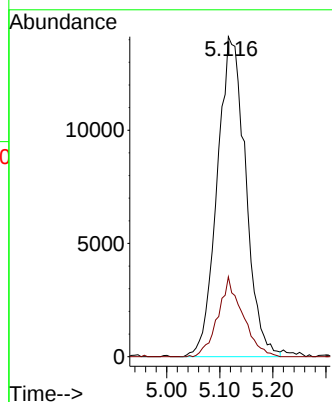
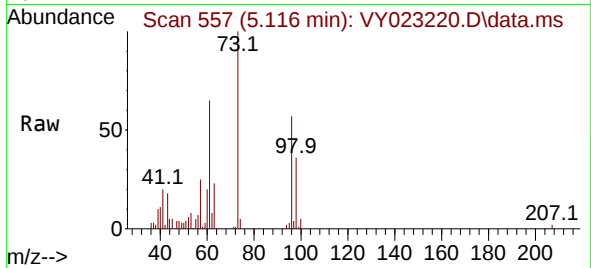




#19
Methyl tert-butyl Ether
Concen: 4.555 ug/l
RT: 5.116 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

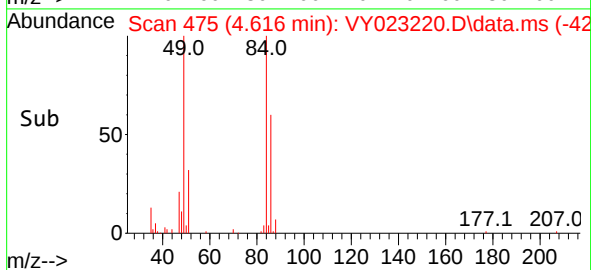
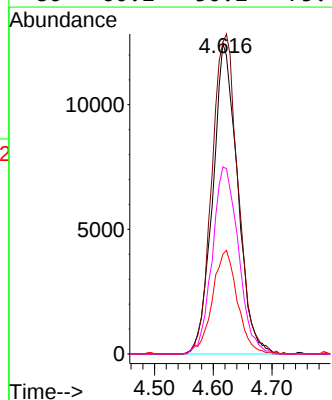
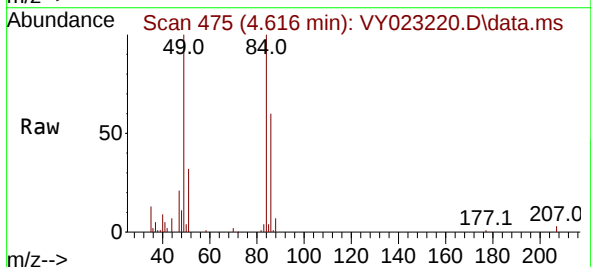
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

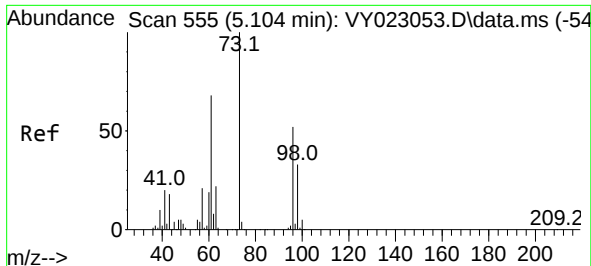
Tgt Ion: 73 Resp: 52567
Ion Ratio Lower Upper
73 100
57 24.9 17.1 25.7



#20
Methylene Chloride
Concen: 6.380 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion: 84 Resp: 36551
Ion Ratio Lower Upper
84 100
49 100.3 93.0 139.6
51 32.1 29.0 43.4
86 60.2 50.2 75.4

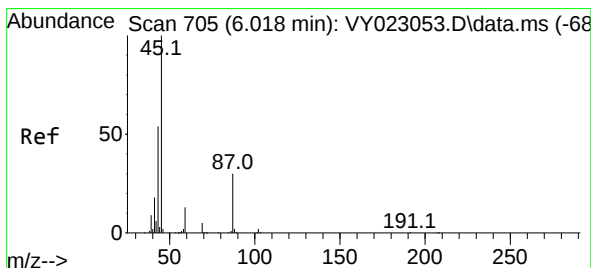
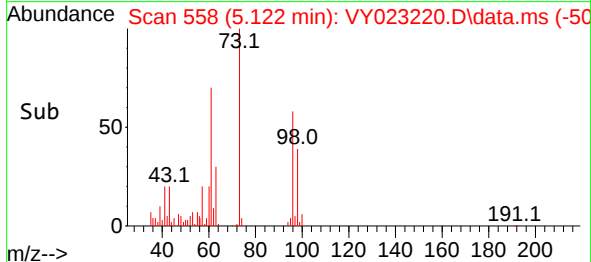
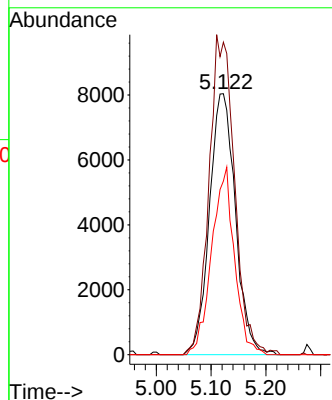
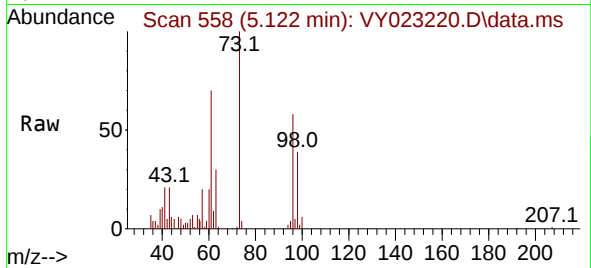




#21
trans-1,2-Dichloroethene
Concen: 5.290 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.018 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

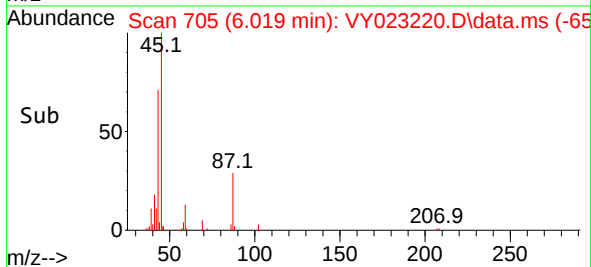
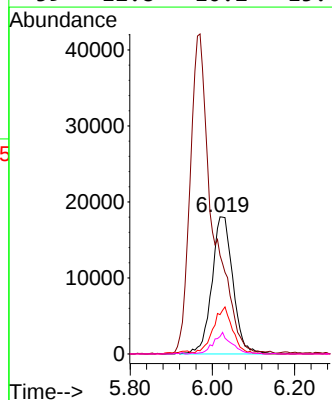
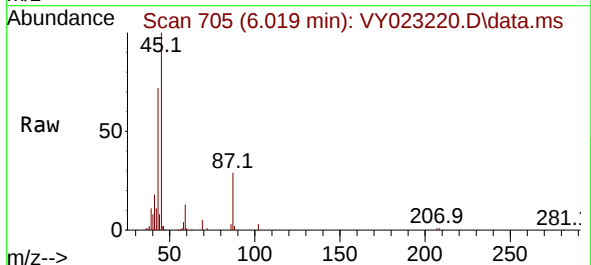
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Tgt Ion: 96 Resp: 26476
Ion Ratio Lower Upper
96 100
61 119.8 104.8 157.2
98 66.6 50.1 75.1



#22
Diisopropyl ether
Concen: 4.512 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion: 45 Resp: 64259
Ion Ratio Lower Upper
45 100
43 70.9 43.4 65.0#
87 28.8 24.4 36.6
59 12.8 10.2 15.4

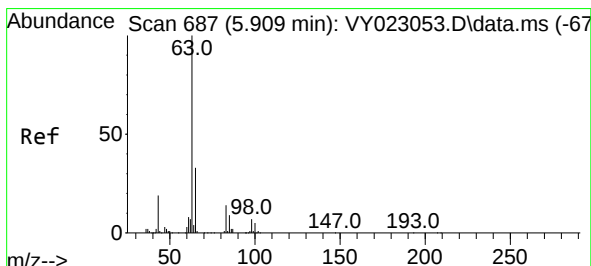
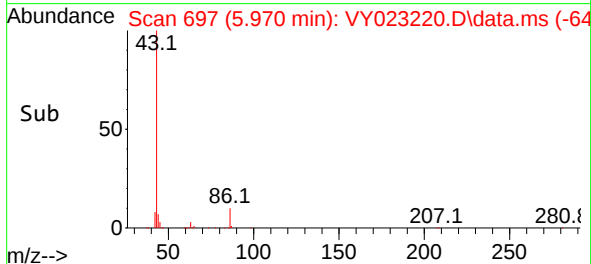
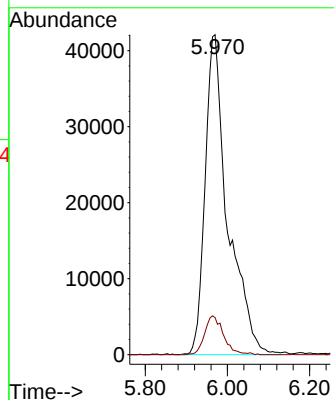
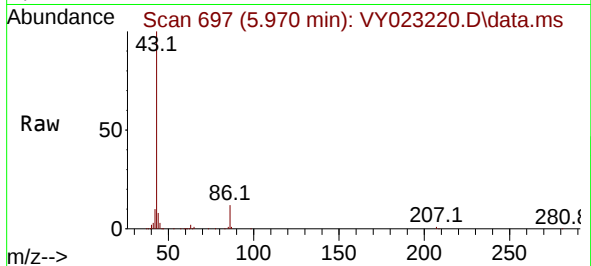




#23
 Vinyl Acetate
 Concen: 20.469 ug/l
 RT: 5.970 min Scan# 694
 Delta R.T. 0.018 min
 Lab File: VY023220.D
 Acq: 28 Aug 2025 12:44

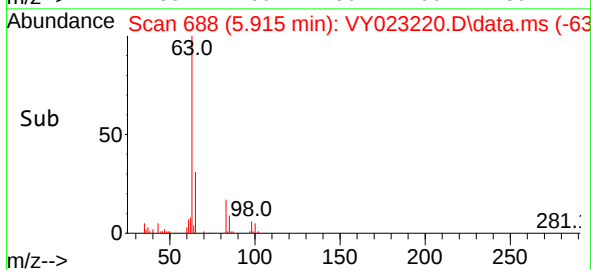
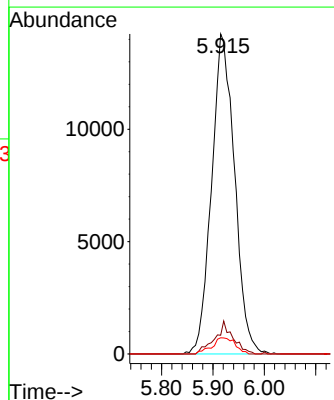
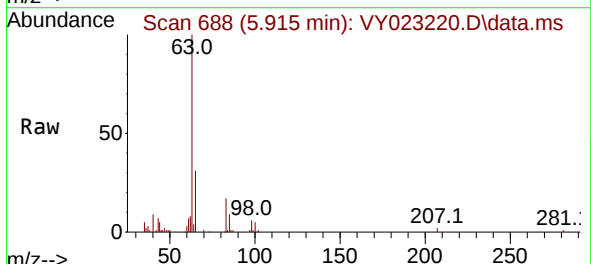
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

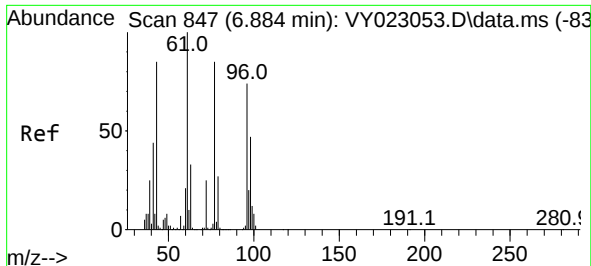
Tgt Ion: 43 Resp: 161185
 Ion Ratio Lower Upper
 43 100
 86 11.6 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 5.075 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.006 min
 Lab File: VY023220.D
 Acq: 28 Aug 2025 12:44

Tgt Ion: 63 Resp: 44186
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.5 10.6
 100 5.1 2.4 7.1

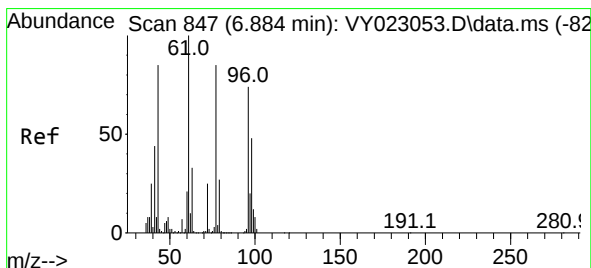
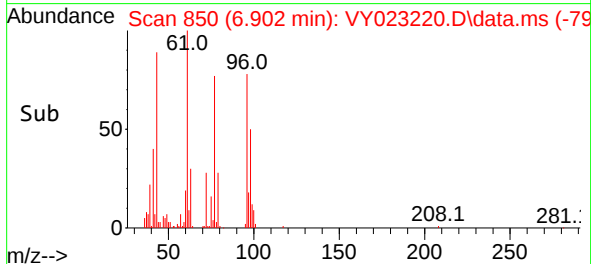
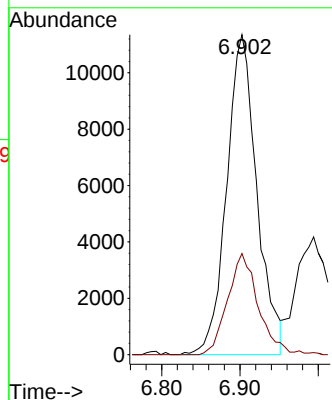
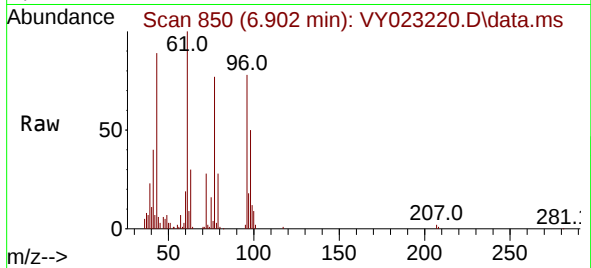




#25
2-Butanone
Concen: 23.416 ug/l
RT: 6.902 min Scan# 848
Delta R.T. 0.018 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

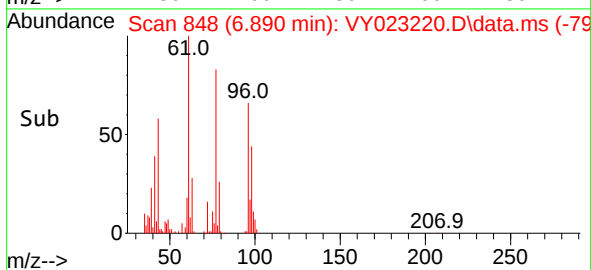
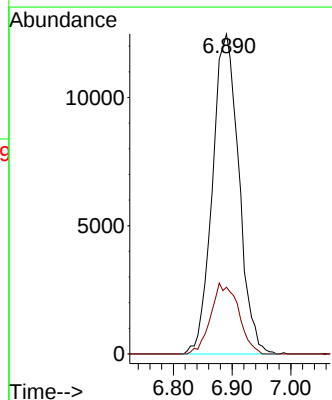
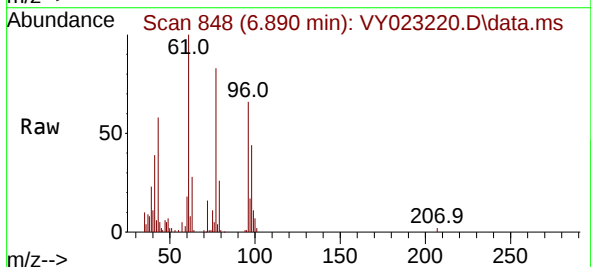
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Tgt Ion: 43 Resp: 30392
Ion Ratio Lower Upper
43 100
72 31.6 23.5 35.3



#26
2,2-Dichloropropane
Concen: 5.175 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion: 77 Resp: 38878
Ion Ratio Lower Upper
77 100
97 23.4 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 5.243 ug/l

RT: 6.896 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2025

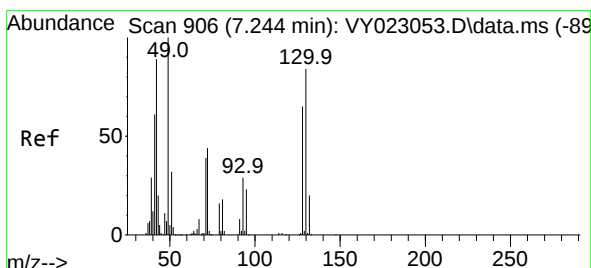
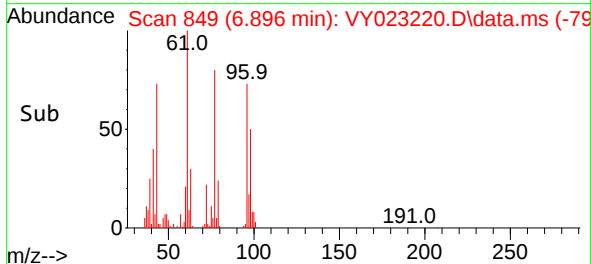
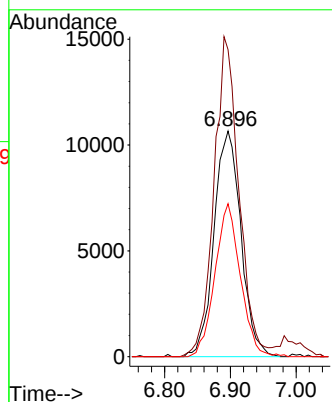
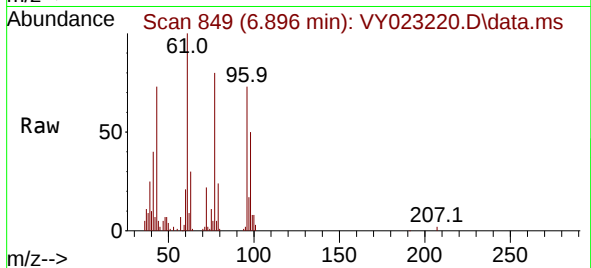
Tgt Ion: 96 Resp: 30338

Ion Ratio Lower Upper

96 100

61 130.9 0.0 278.6

98 64.2 0.0 130.4



#28

Bromochloromethane

Concen: 5.124 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

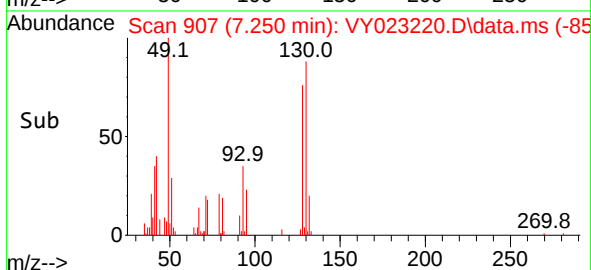
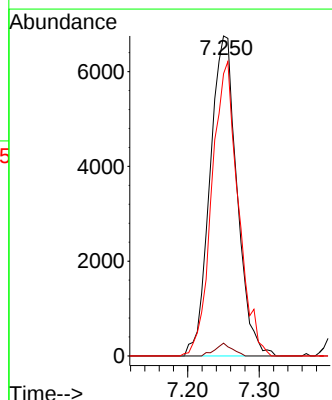
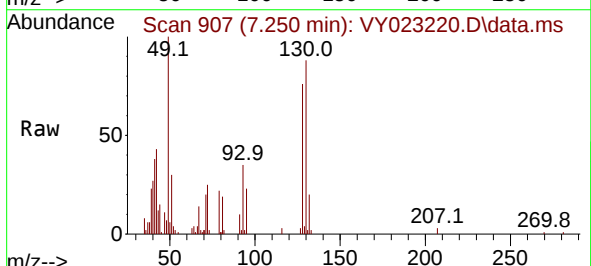
Tgt Ion: 49 Resp: 17700

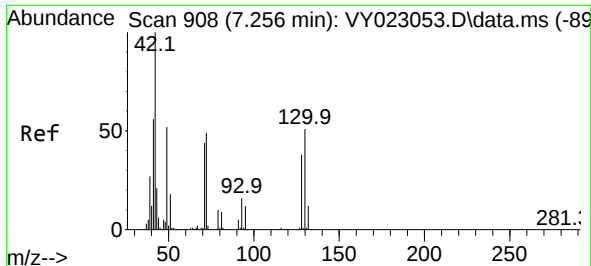
Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.2

130 89.9 66.4 99.6





#29

Tetrahydrofuran

Concen: 20.616 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.012 min

Lab File: VY023220.D

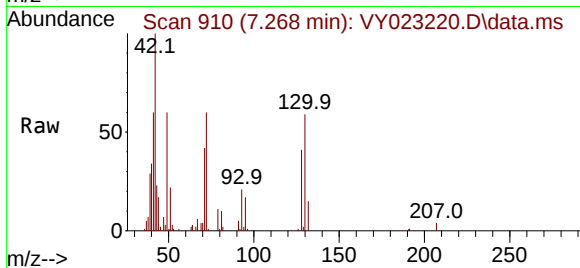
Acq: 28 Aug 2025 12:44

Instrument :

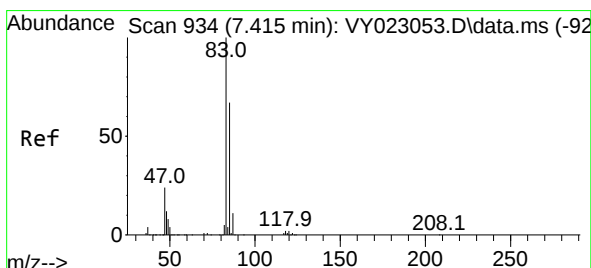
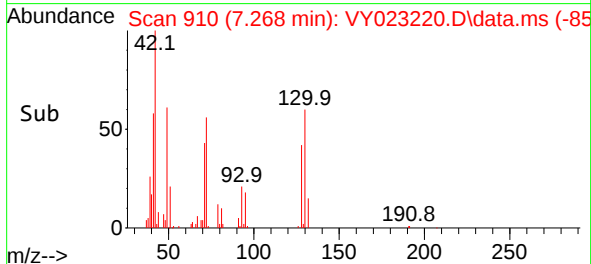
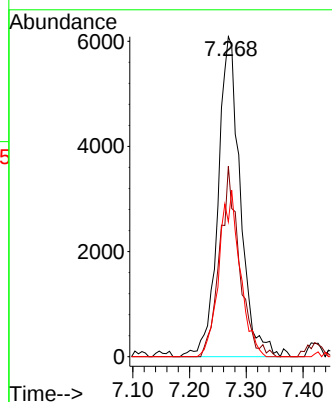
MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2025



Tgt Ion:	42	Resp:	16586
Ion Ratio	Lower	Upper	
42	100		
72	53.1	39.4	59.2
71	49.2	36.5	54.7



#30

Chloroform

Concen: 5.318 ug/l

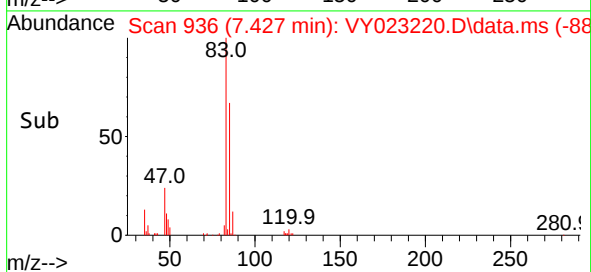
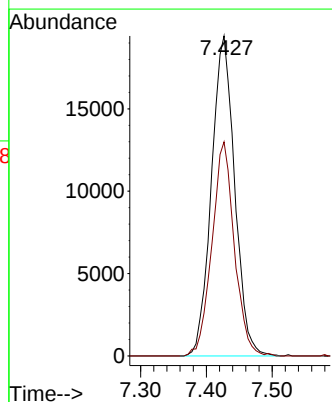
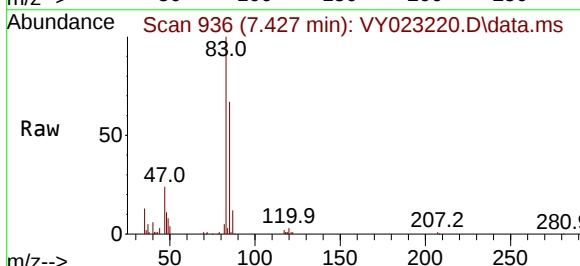
RT: 7.427 min Scan# 936

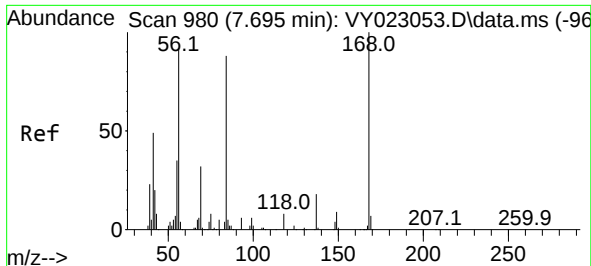
Delta R.T. 0.012 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Tgt Ion:	83	Resp:	47753
Ion Ratio	Lower	Upper	
83	100		
85	66.9	53.8	80.8

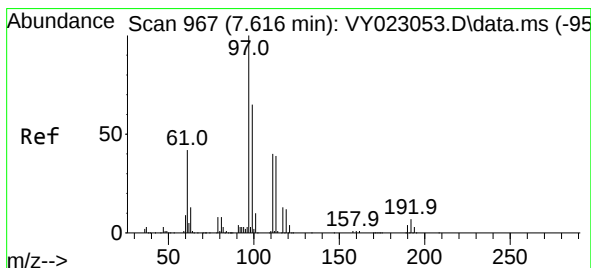
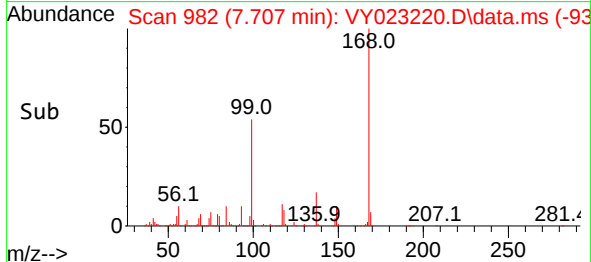
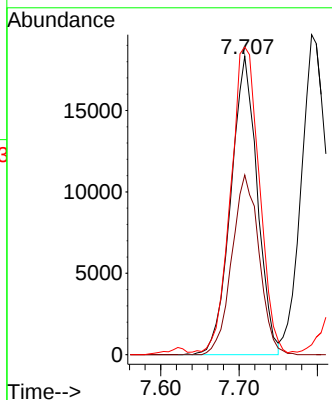
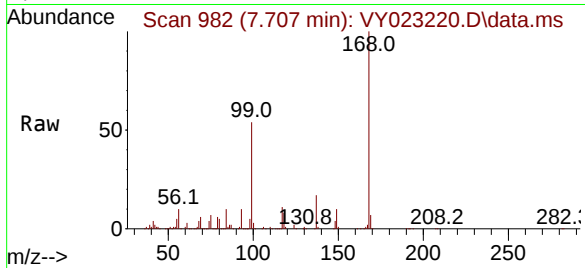




#31
Cyclohexane
Concen: 5.233 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

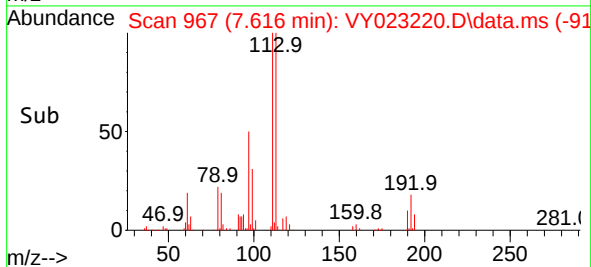
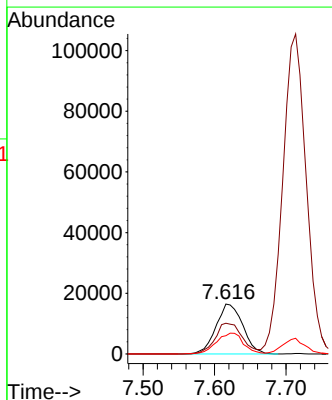
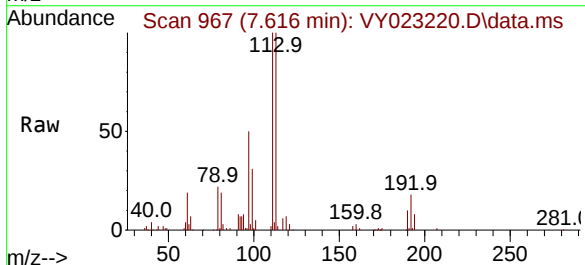
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Tgt Ion: 56 Resp: 42940
Ion Ratio Lower Upper
56 100
69 60.2 28.2 42.2#
84 100.7 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 5.356 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion: 97 Resp: 42678
Ion Ratio Lower Upper
97 100
99 63.1 51.6 77.4
61 42.3 34.2 51.2

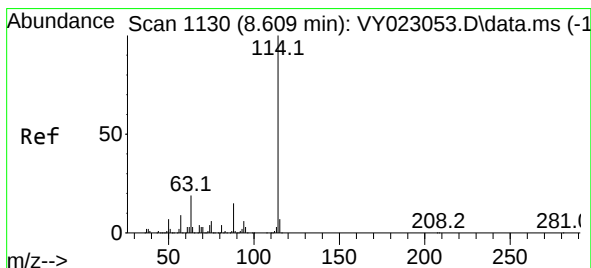
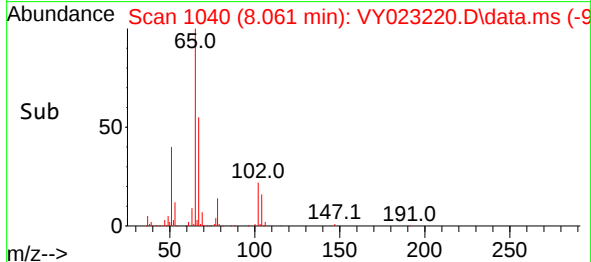
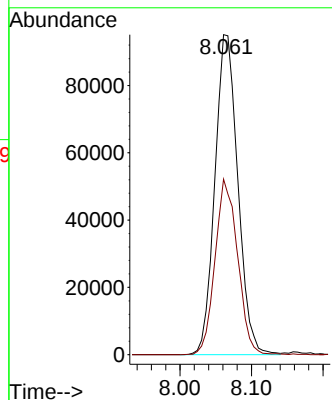
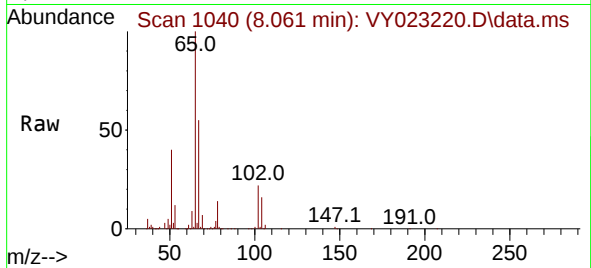




#33
 1,2-Dichloroethane-d4
 Concen: 48.222 ug/l
 RT: 8.061 min Scan# 1103
 Delta R.T. 0.006 min
 Lab File: VY023220.D
 Acq: 28 Aug 2025 12:44

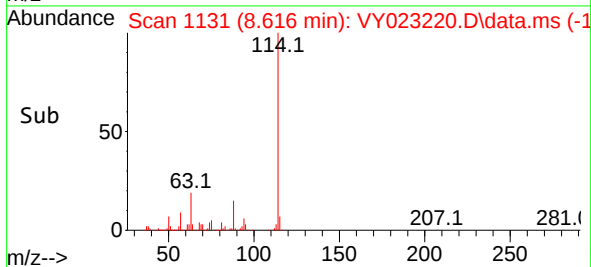
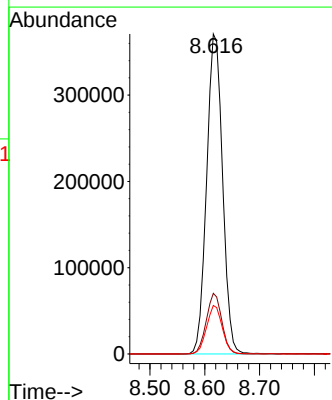
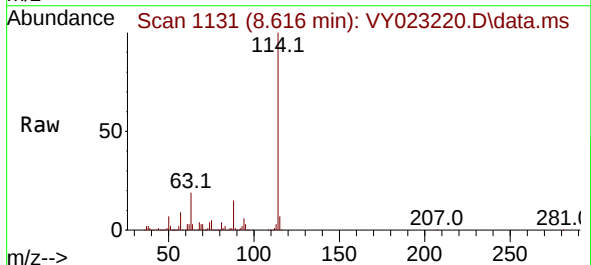
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

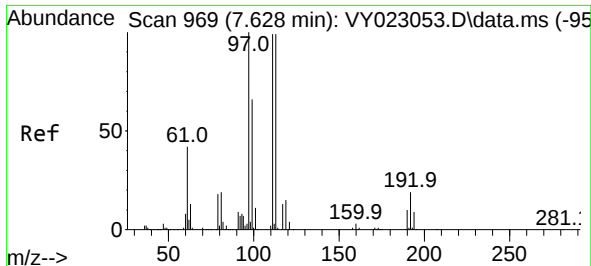
Tgt Ion: 65 Resp: 212418
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.006 min
 Lab File: VY023220.D
 Acq: 28 Aug 2025 12:44

Tgt Ion: 114 Resp: 746256
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.4
 88 15.2 0.0 30.0

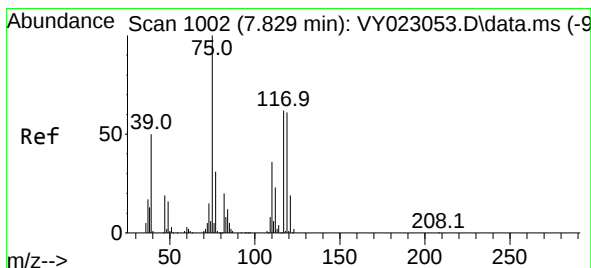
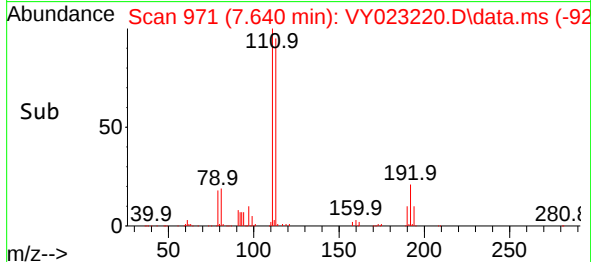
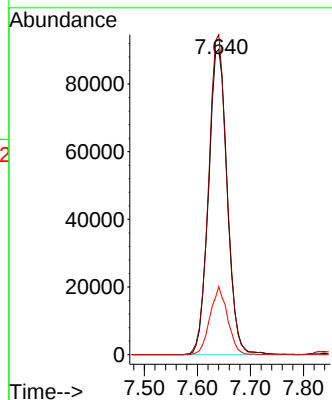
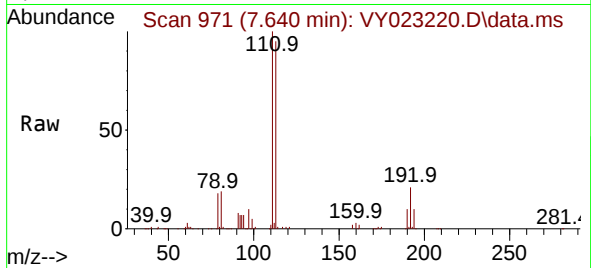




#35
Dibromofluoromethane
Concen: 49.528 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

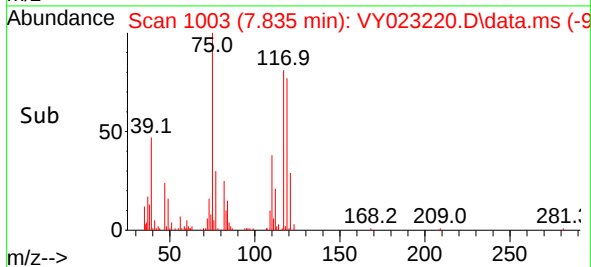
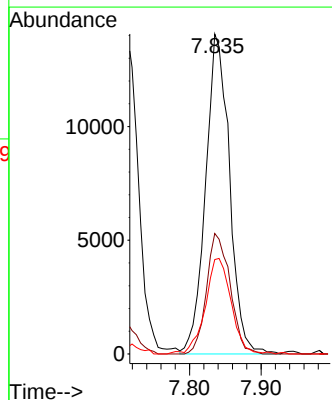
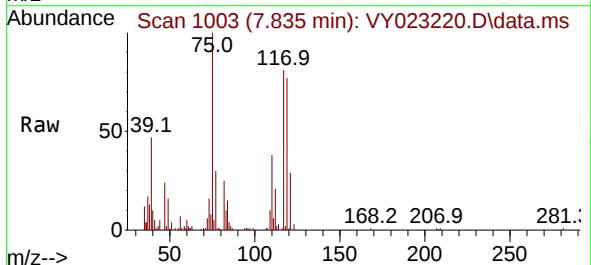
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

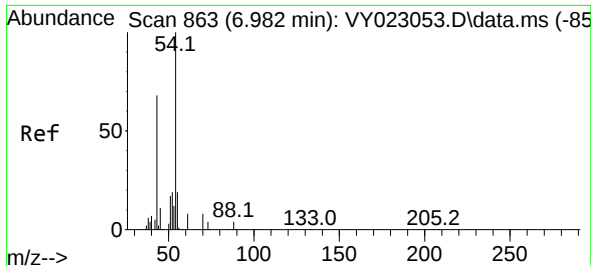
Tgt Ion:113 Resp: 221162
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 20.9 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.933 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion: 75 Resp: 32734
Ion Ratio Lower Upper
75 100
110 37.0 18.1 54.4
77 32.3 24.6 37.0





#37

Ethyl Acetate

Concen: 4.003 ug/l

RT: 6.994 min Scan# 8

Delta R.T. 0.012 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2025

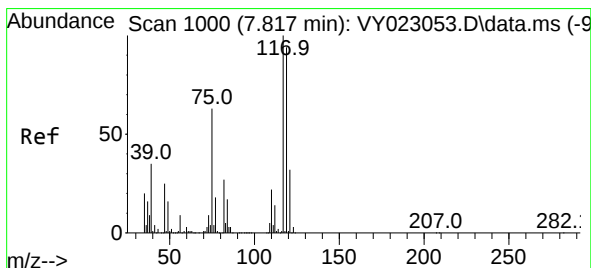
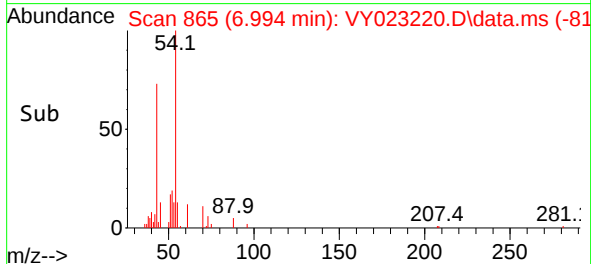
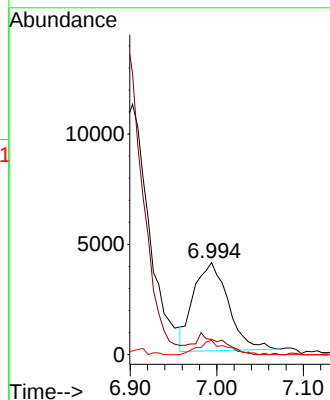
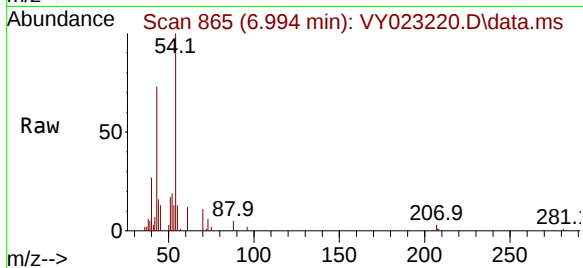
Tgt Ion: 43 Resp: 11159

Ion Ratio Lower Upper

43 100

61 19.3 11.9 17.9#

70 13.3 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.378 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

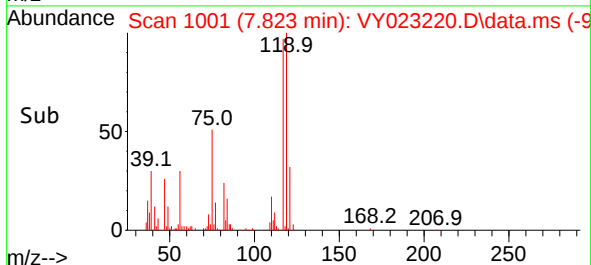
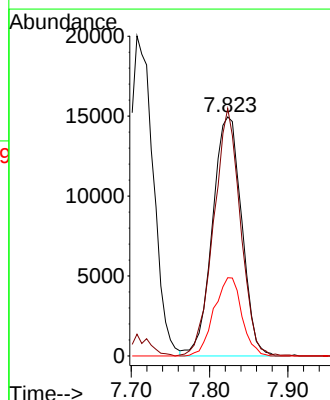
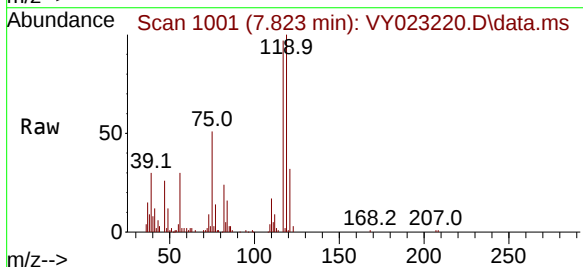
Tgt Ion: 117 Resp: 38764

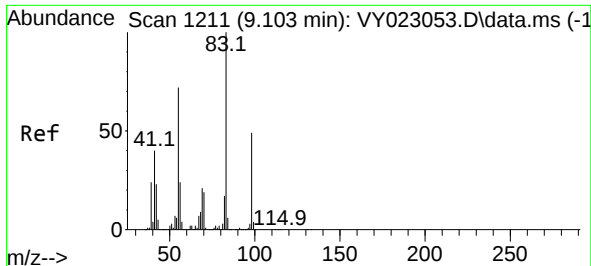
Ion Ratio Lower Upper

117 100

119 103.2 75.6 113.4

121 32.8 25.8 38.8





#39

Methylcyclohexane

Concen: 4.617 ug/l

RT: 9.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2025

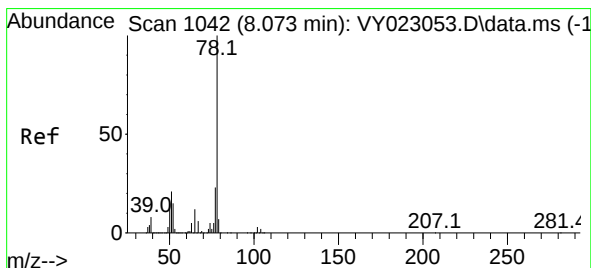
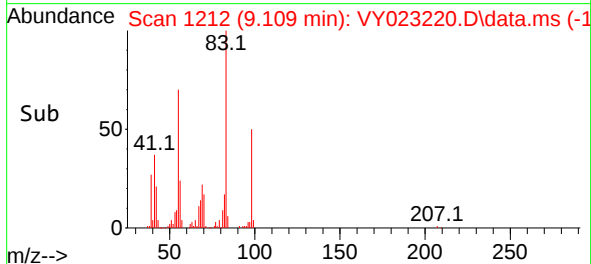
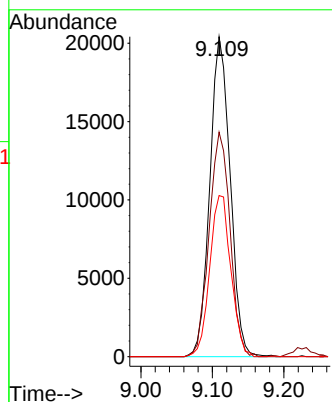
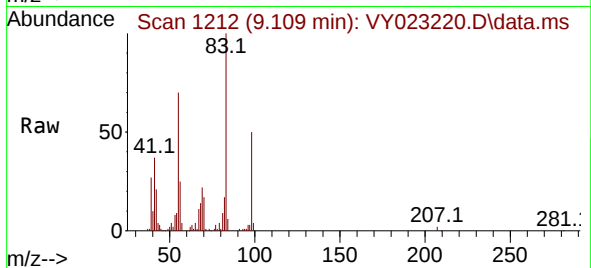
Tgt Ion: 83 Resp: 40351

Ion Ratio Lower Upper

83 100

55 70.2 57.6 86.4

98 50.3 39.2 58.8



#40

Benzene

Concen: 5.105 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY023220.D

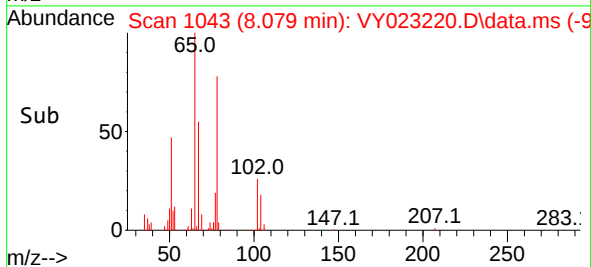
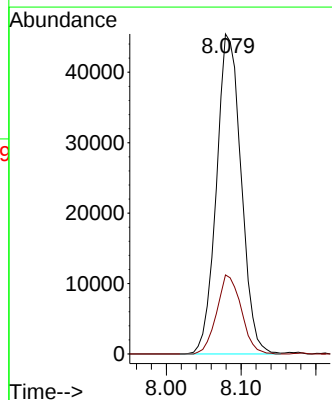
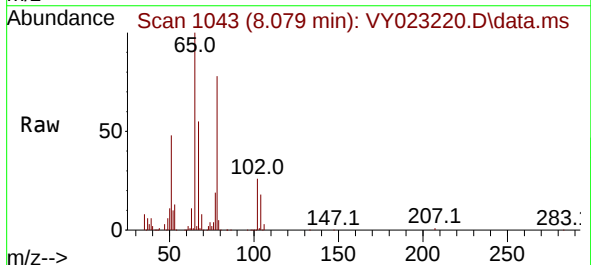
Acq: 28 Aug 2025 12:44

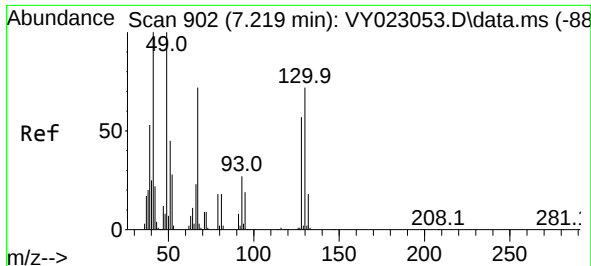
Tgt Ion: 78 Resp: 104423

Ion Ratio Lower Upper

78 100

77 24.7 18.6 28.0

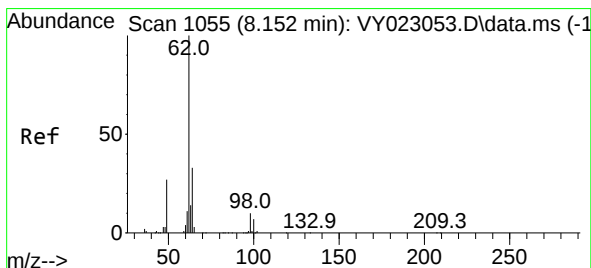
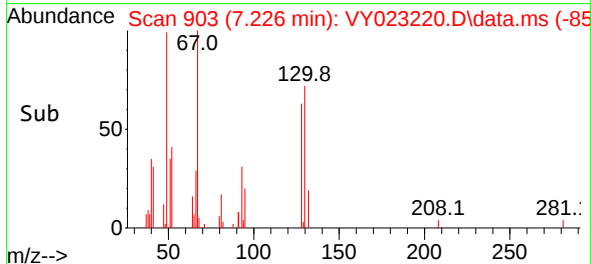
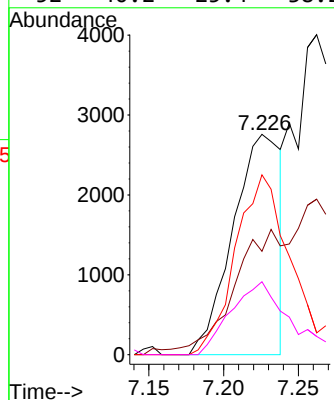
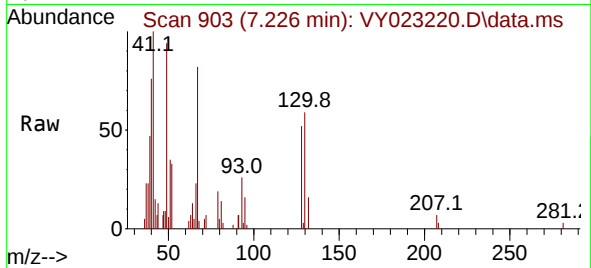




#41
Methacrylonitrile
Concen: 3.808 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

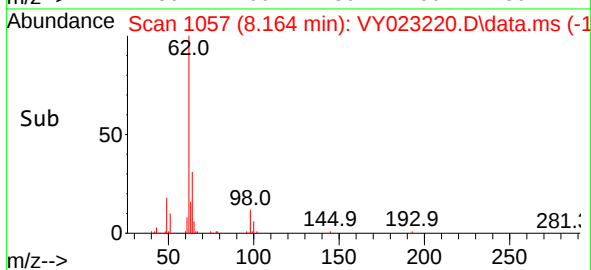
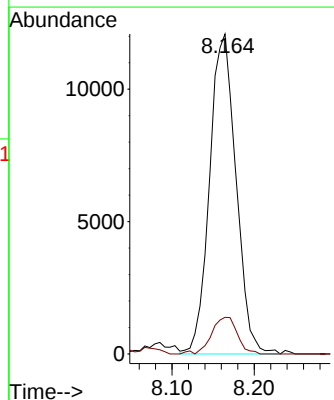
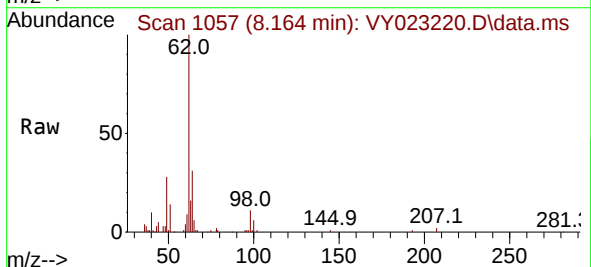
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Tgt Ion:	41	Resp:	6127
Ion	Ratio	Lower	Upper
41	100		
39	56.6	43.4	65.2
67	96.9	63.6	95.4#
52	40.2	25.4	38.2#



#42
1,2-Dichloroethane
Concen: 5.076 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.012 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion:	62	Resp:	27001
Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	20.6

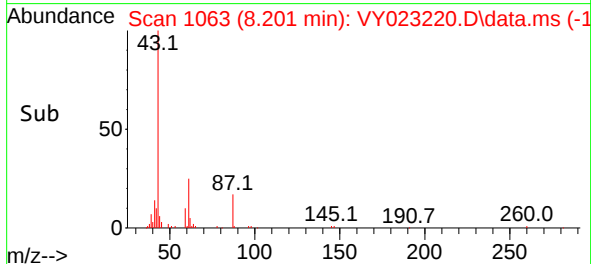
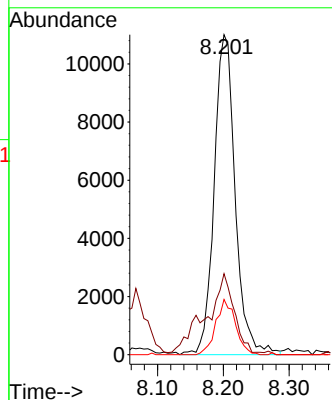
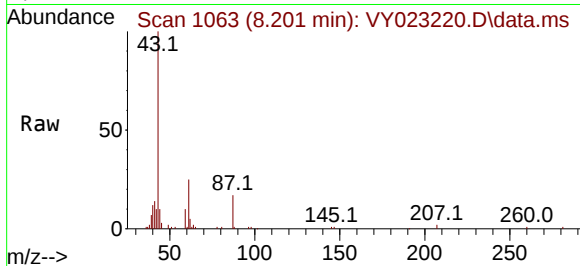




#43
Isopropyl Acetate
Concen: 4.350 ug/l
RT: 8.201 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

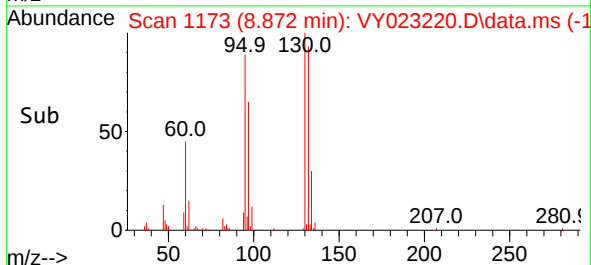
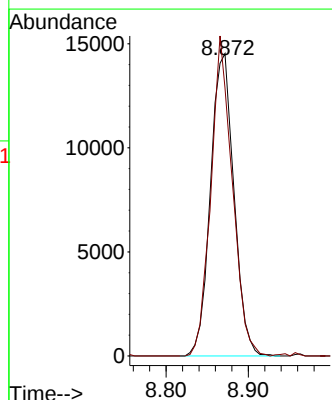
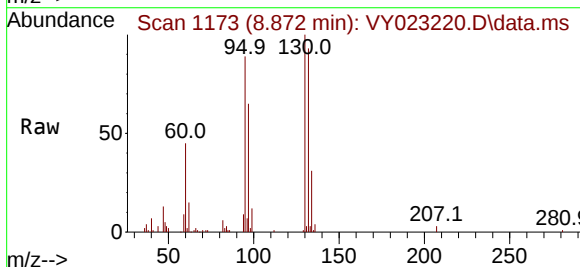
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Tgt Ion: 43 Resp: 24512
Ion Ratio Lower Upper
43 100
61 23.2 16.4 24.6
87 16.1 11.8 17.6



#44
Trichloroethene
Concen: 5.446 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.012 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion:130 Resp: 28787
Ion Ratio Lower Upper
130 100
95 88.6 0.0 190.2





#45

1,2-Dichloropropane

Concen: 5.197 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

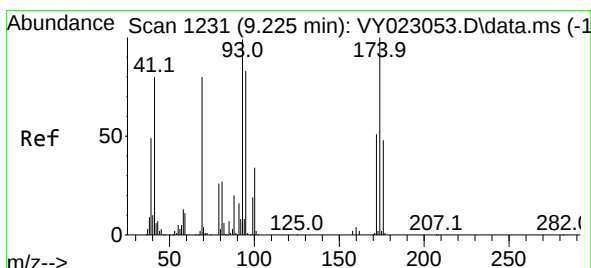
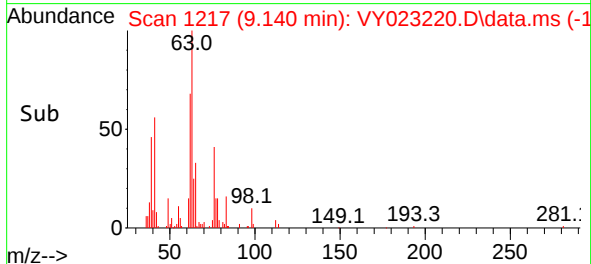
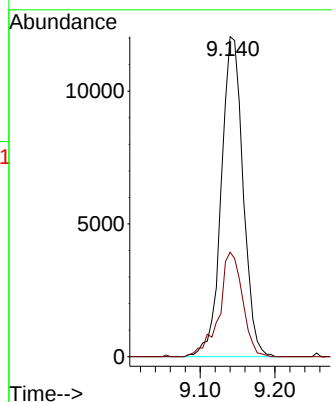
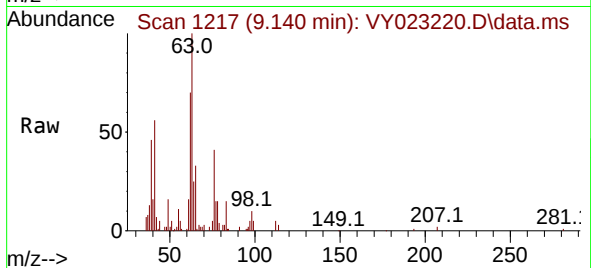
LOQ-SOIL-02-QT3-2025

Tgt Ion: 63 Resp: 24456

Ion Ratio Lower Upper

63 100

65 32.6 25.3 37.9



#46

Dibromomethane

Concen: 5.074 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

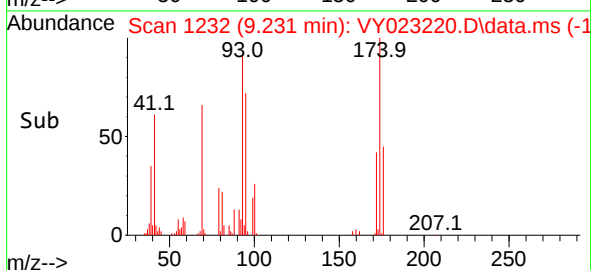
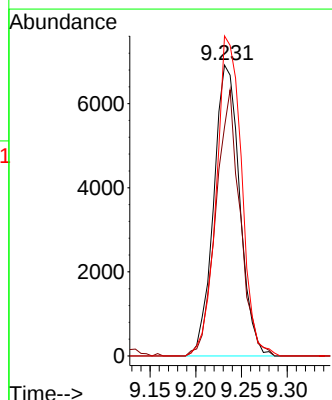
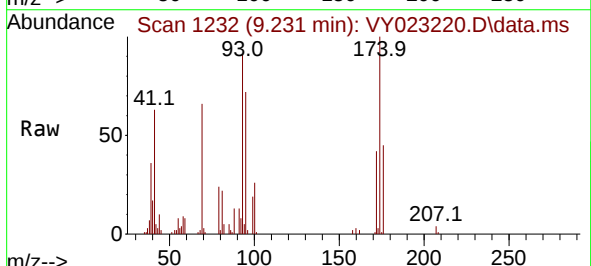
Tgt Ion: 93 Resp: 13706

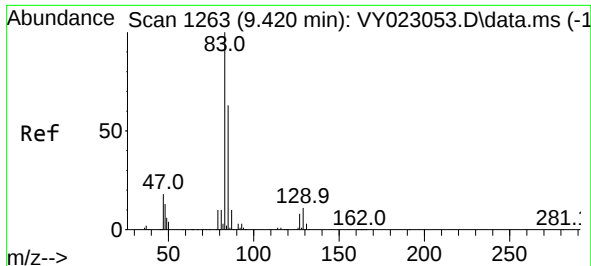
Ion Ratio Lower Upper

93 100

95 84.7 66.5 99.7

174 106.8 81.8 122.8





#47

Bromodichloromethane

Concen: 5.174 ug/l

RT: 9.426 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2025

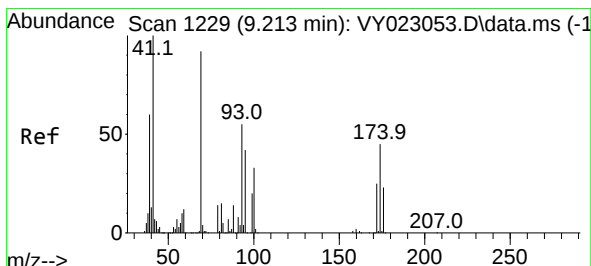
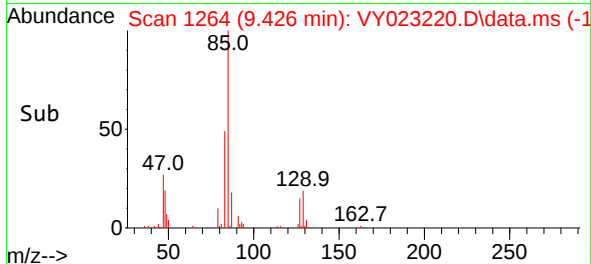
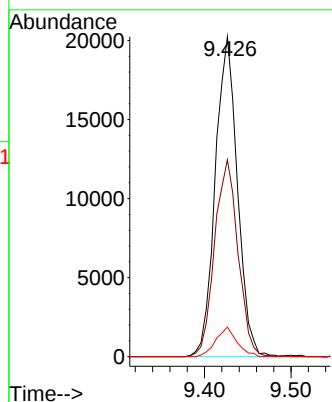
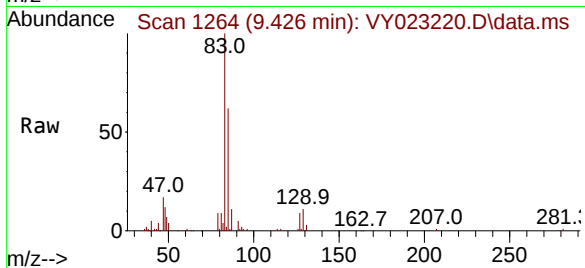
Tgt Ion: 83 Resp: 35964

Ion Ratio Lower Upper

83 100

85 61.6 50.2 75.4

127 9.3 6.6 10.0



#48

Methyl methacrylate

Concen: 3.651 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

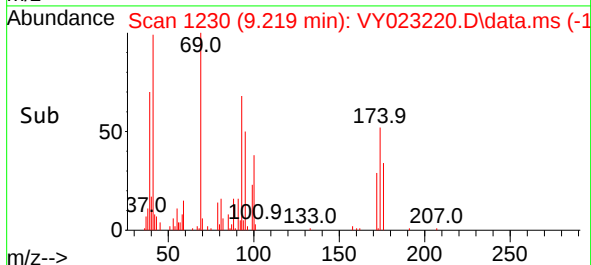
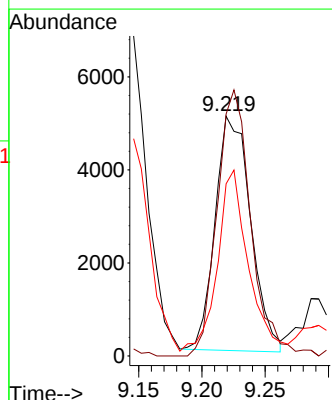
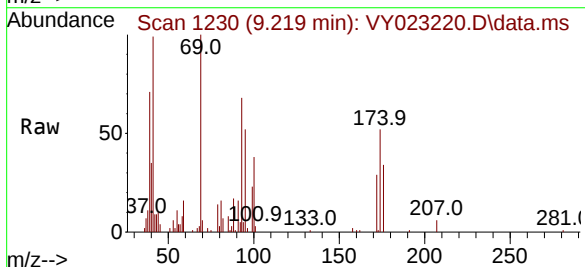
Tgt Ion: 41 Resp: 9843

Ion Ratio Lower Upper

41 100

69 108.5 73.2 109.8

39 69.6 47.0 70.4





#49

1,4-Dioxane

Concen: 89.637 ug/l

RT: 9.237 min Scan# 1231

Delta R.T. 0.012 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2025

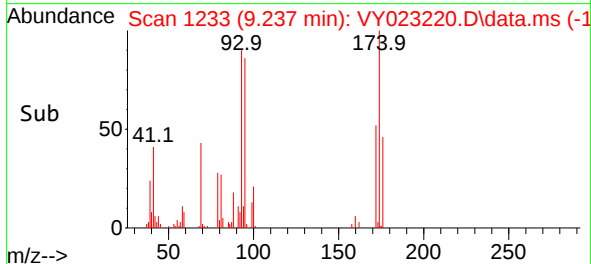
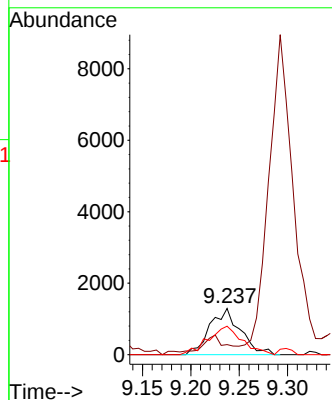
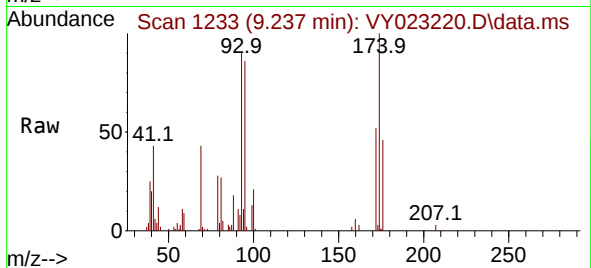
Tgt Ion: 88 Resp: 2839

Ion Ratio Lower Upper

88 100

43 28.4 24.3 36.5

58 67.9 55.4 83.0



#50

Toluene-d8

Concen: 48.438 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023220.D

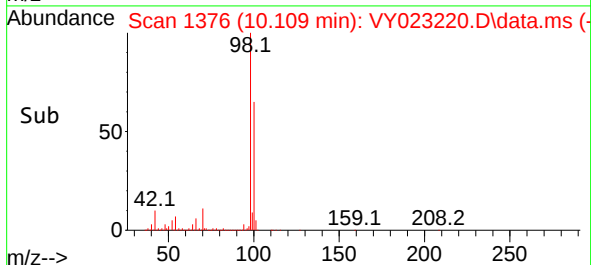
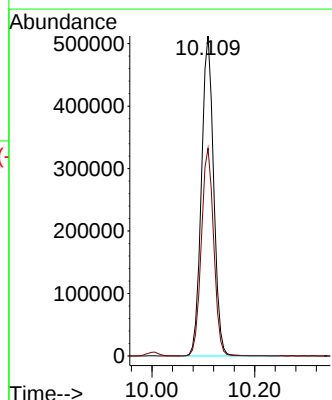
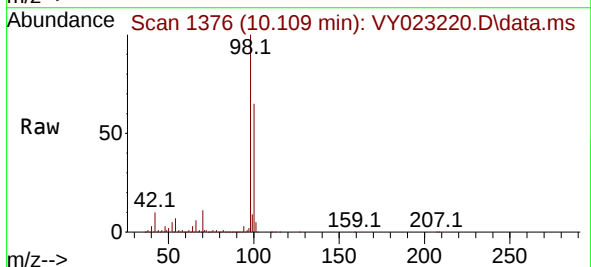
Acq: 28 Aug 2025 12:44

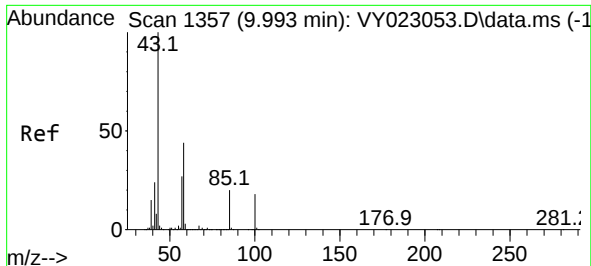
Tgt Ion: 98 Resp: 844964

Ion Ratio Lower Upper

98 100

100 65.6 52.3 78.5

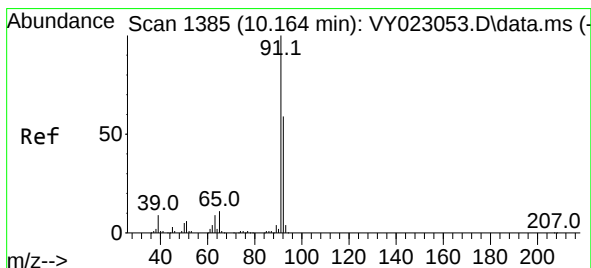
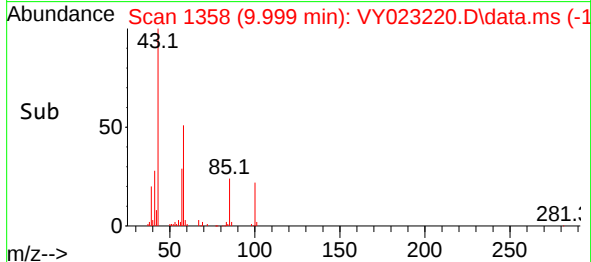
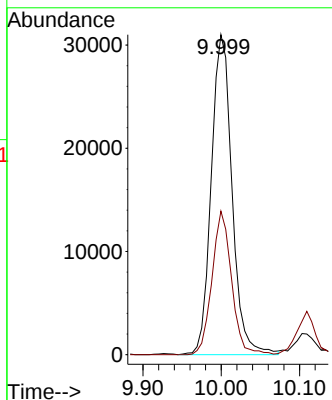
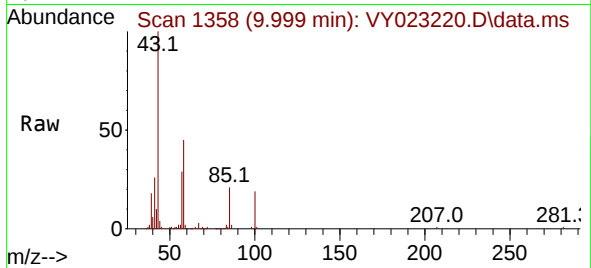




#51
4-Methyl-2-Pentanone
Concen: 19.673 ug/l
RT: 9.999 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

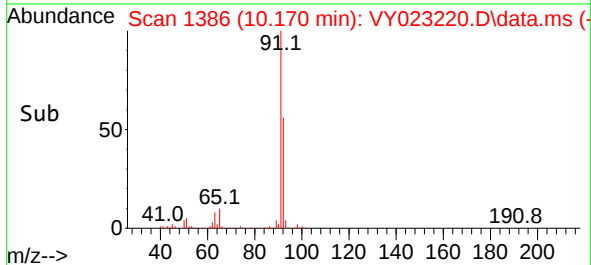
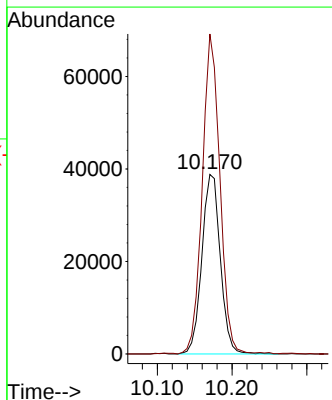
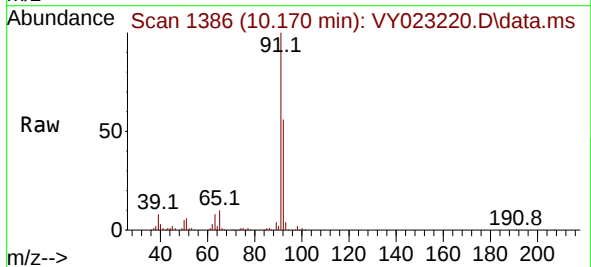
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

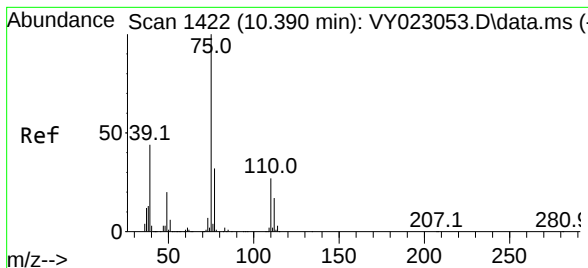
Tgt Ion: 43 Resp: 57177
Ion Ratio Lower Upper
43 100
58 42.2 33.5 50.3



#52
Toluene
Concen: 5.120 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion: 92 Resp: 66510
Ion Ratio Lower Upper
92 100
91 170.1 136.4 204.6

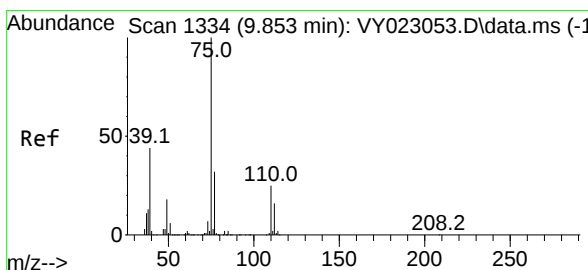
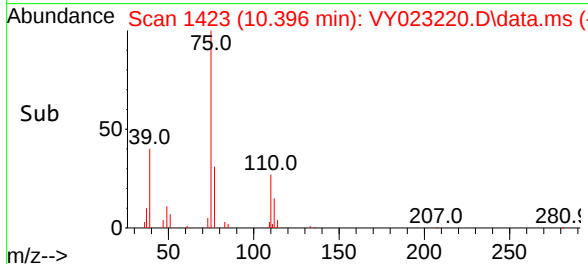
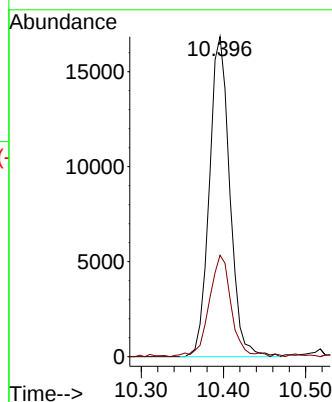
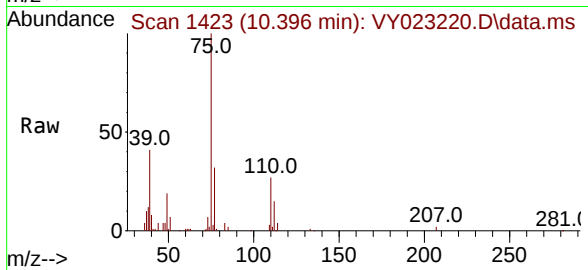




#53
 t-1,3-Dichloropropene
 Concen: 4.619 ug/l
 RT: 10.396 min Scan# 1423
 Delta R.T. 0.006 min
 Lab File: VY023220.D
 Acq: 28 Aug 2025 12:44

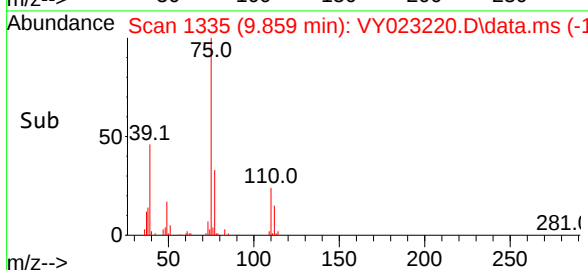
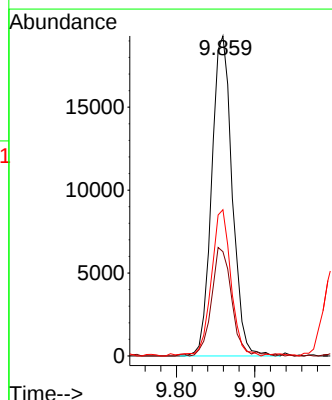
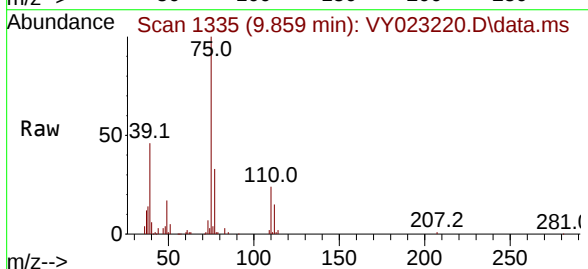
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

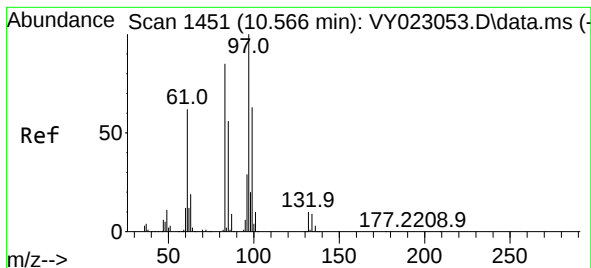
Tgt Ion: 75 Resp: 29069
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 4.717 ug/l
 RT: 9.859 min Scan# 1335
 Delta R.T. 0.006 min
 Lab File: VY023220.D
 Acq: 28 Aug 2025 12:44

Tgt Ion: 75 Resp: 35103
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.0
 39 45.2 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 5.236 ug/l

RT: 10.573 min Scan# 1451

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2025

Tgt Ion: 97 Resp: 18926

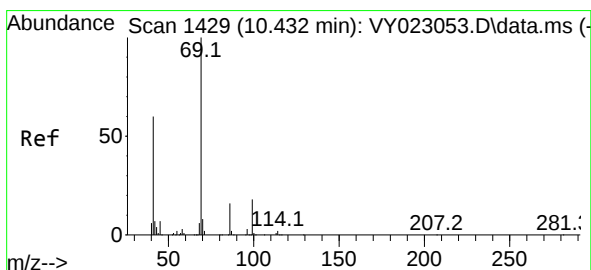
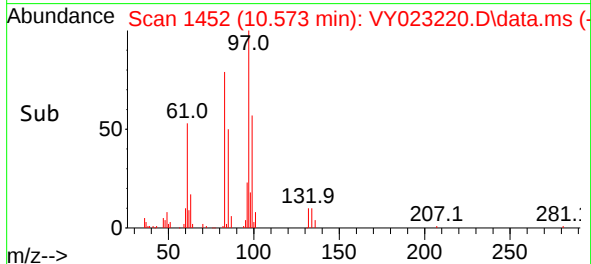
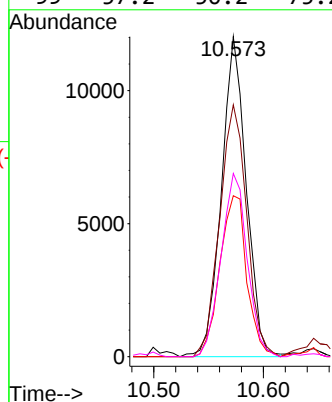
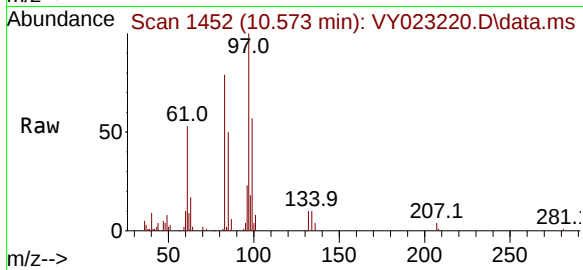
Ion Ratio Lower Upper

97 100

83 78.7 67.7 101.5

85 50.3 44.5 66.7

99 57.2 50.2 75.2



#56

Ethyl methacrylate

Concen: 3.950 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

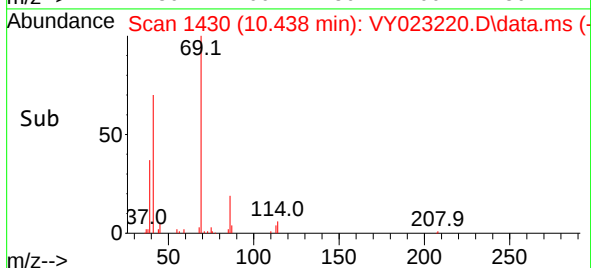
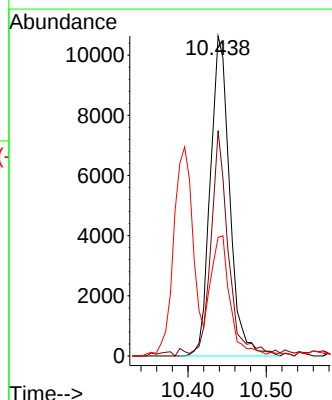
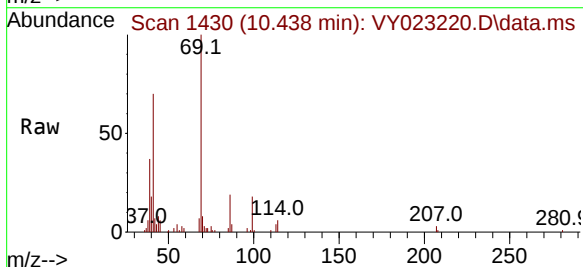
Tgt Ion: 69 Resp: 18269

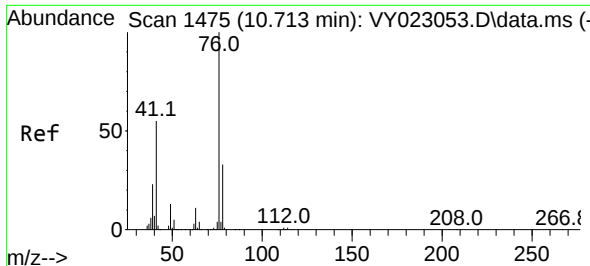
Ion Ratio Lower Upper

69 100

41 59.7 48.6 72.8

39 36.0 27.0 40.4





#57

1,3-Dichloropropane

Concen: 4.971 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

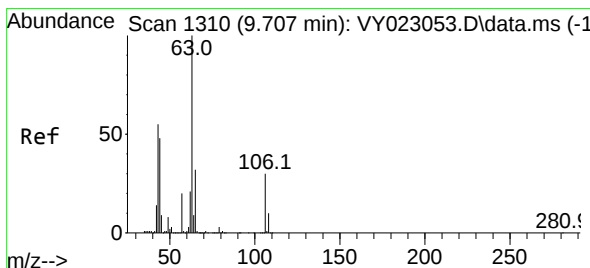
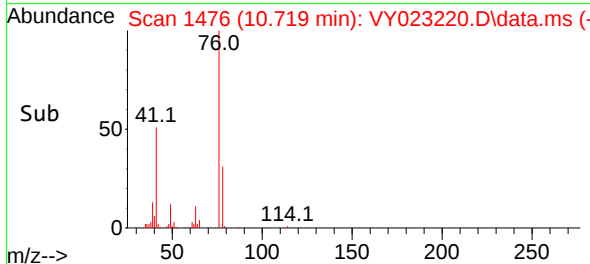
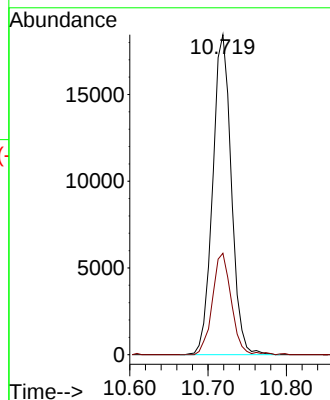
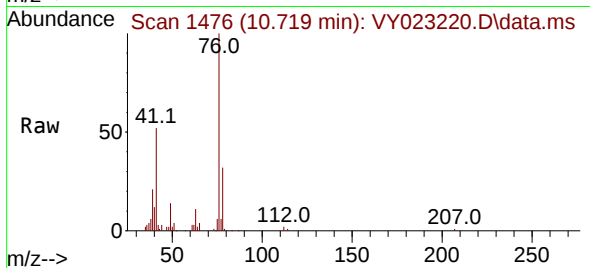
LOQ-SOIL-02-QT3-2025

Tgt Ion: 76 Resp: 30474

Ion Ratio Lower Upper

76 100

78 32.2 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 18.350 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY023220.D

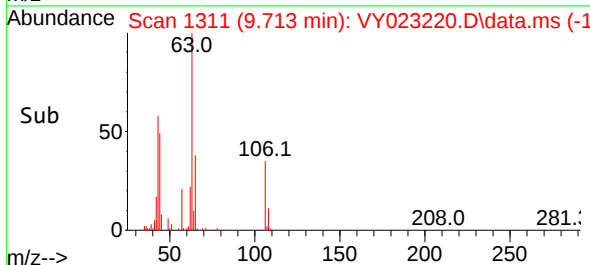
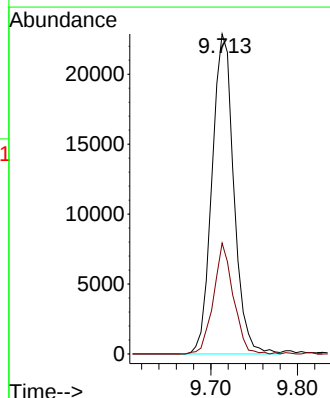
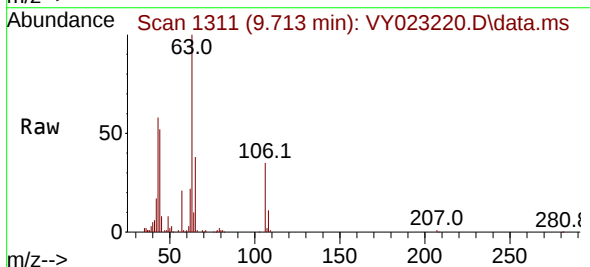
Acq: 28 Aug 2025 12:44

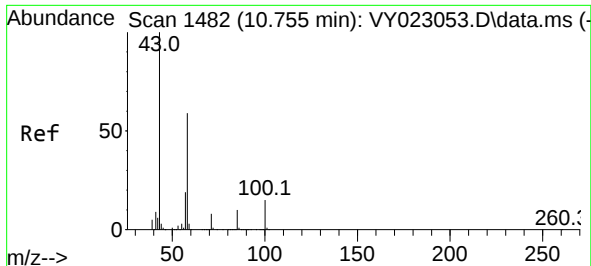
Tgt Ion: 63 Resp: 40034

Ion Ratio Lower Upper

63 100

106 31.5 23.2 34.8

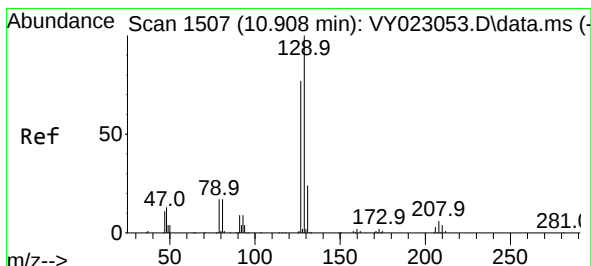
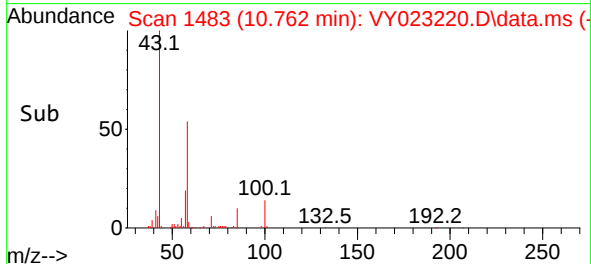
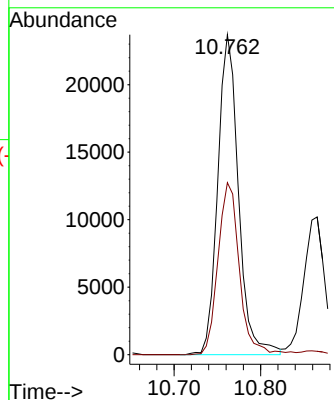
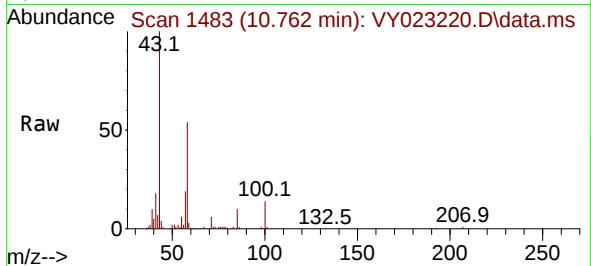




#59
2-Hexanone
Concen: 19.881 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

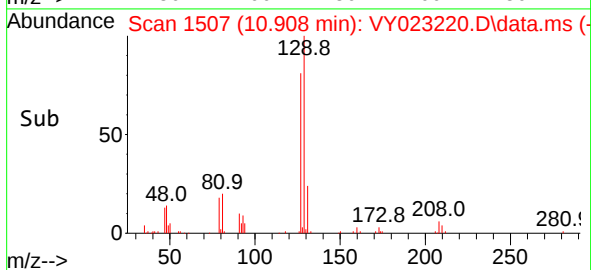
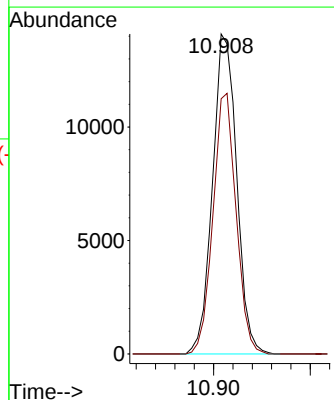
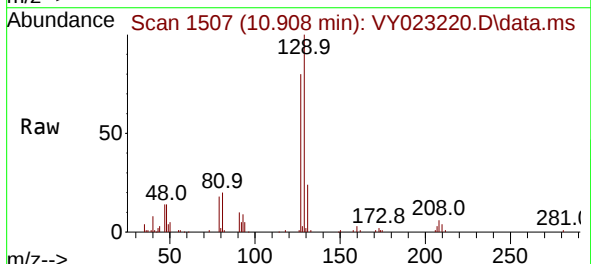
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

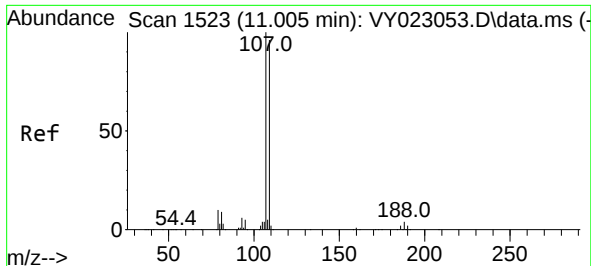
Tgt Ion: 43 Resp: 39345
Ion Ratio Lower Upper
43 100
58 55.9 29.5 88.5



#60
Dibromochloromethane
Concen: 5.116 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion: 129 Resp: 24400
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5

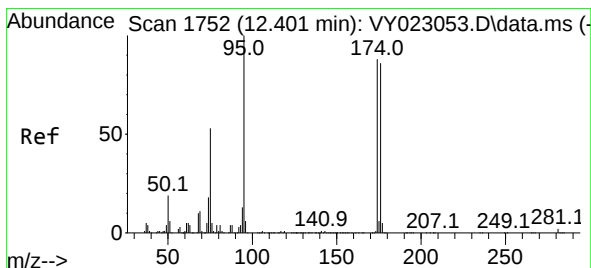
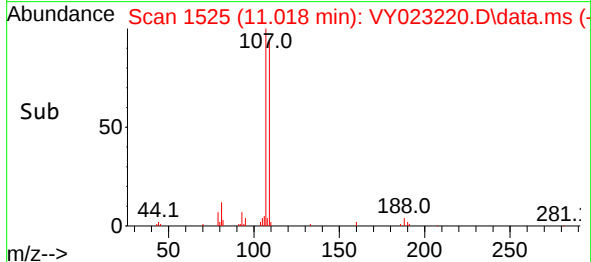
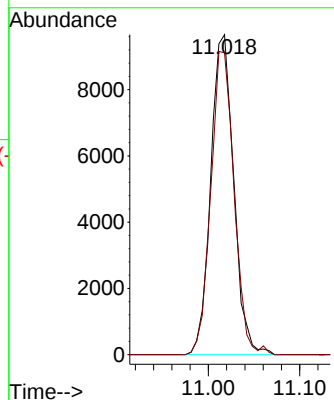
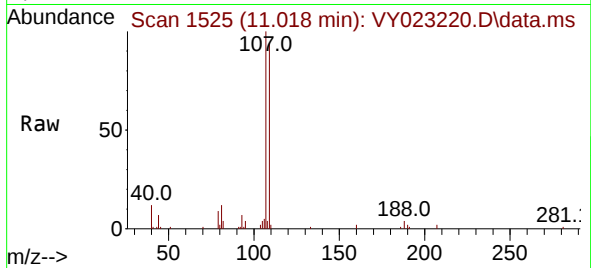




#61
1,2-Dibromoethane
Concen: 4.962 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.012 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

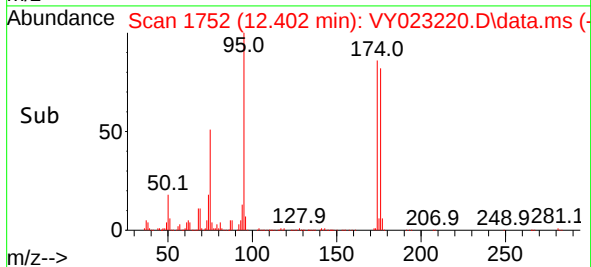
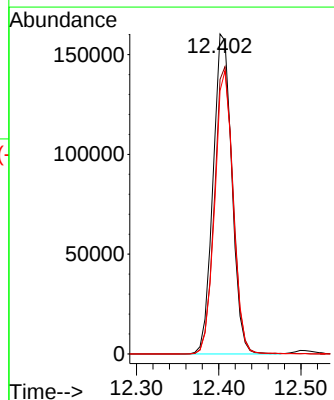
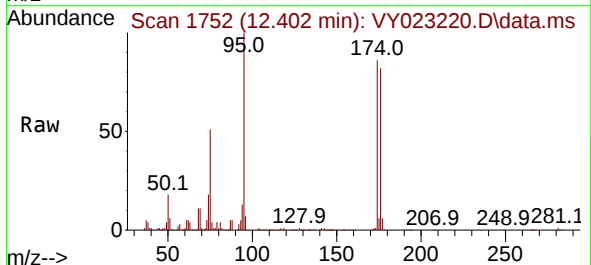
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

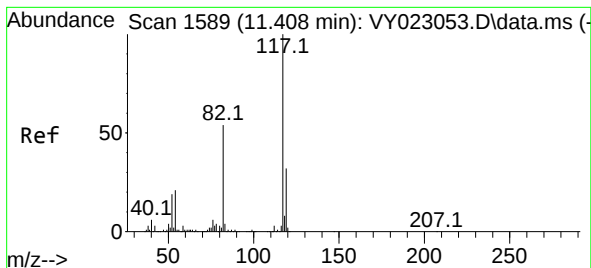
Tgt Ion:107 Resp: 16856
Ion Ratio Lower Upper
107 100
109 96.1 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 45.348 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion: 95 Resp: 254403
Ion Ratio Lower Upper
95 100
174 89.3 0.0 171.6
176 86.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2025

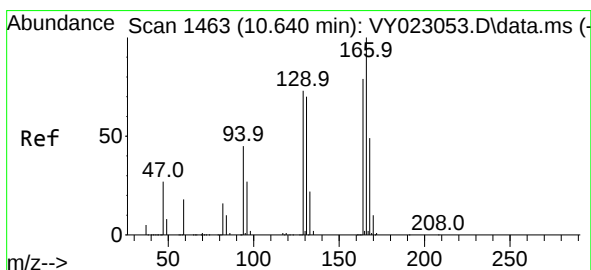
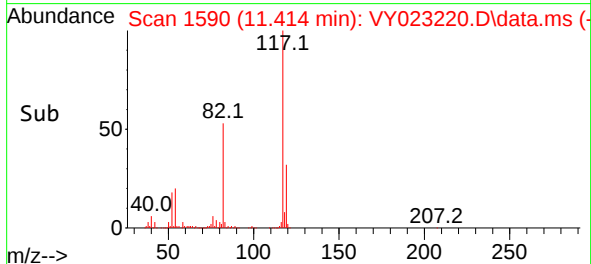
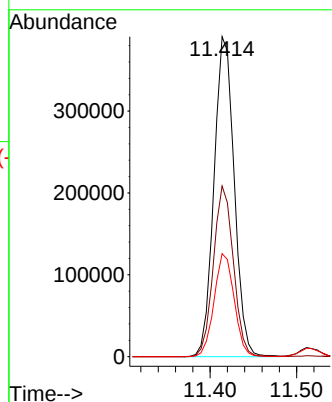
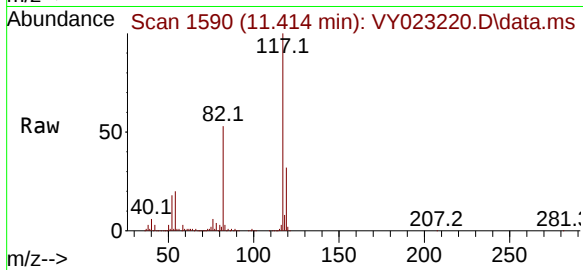
Tgt Ion:117 Resp: 635403

Ion Ratio Lower Upper

117 100

82 53.4 43.4 65.0

119 32.2 25.6 38.4



#64

Tetrachloroethene

Concen: 6.267 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Tgt Ion:164 Resp: 35555

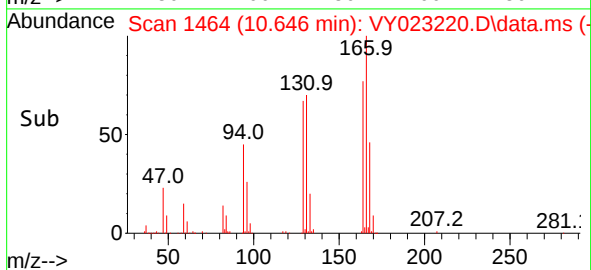
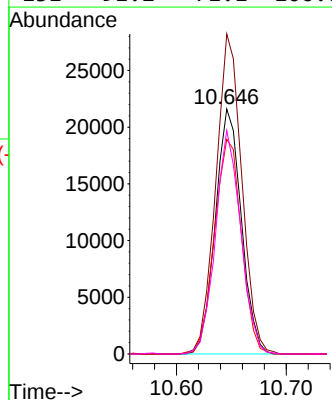
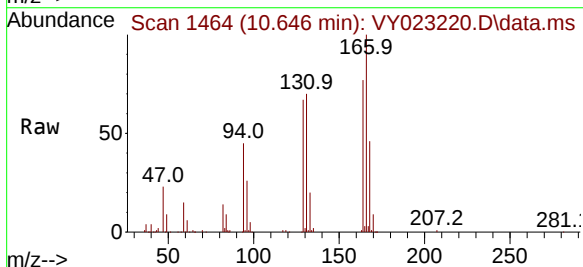
Ion Ratio Lower Upper

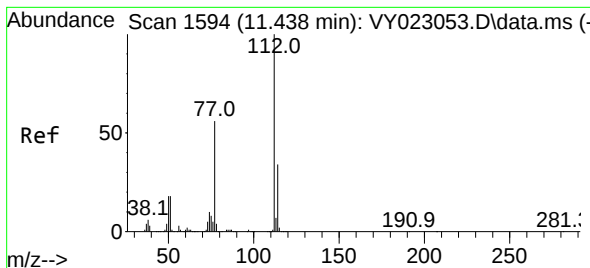
164 100

166 130.7 101.1 151.7

129 87.7 74.0 111.0

131 91.2 71.1 106.7





#65

Chlorobenzene

Concen: 5.362 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

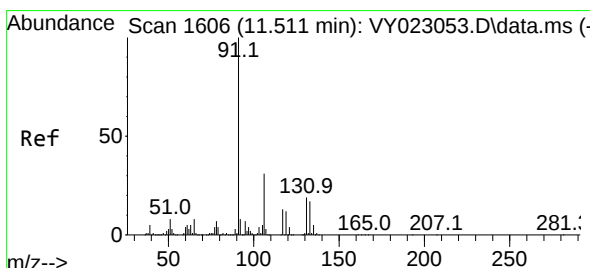
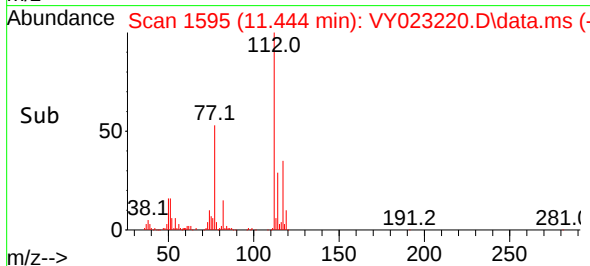
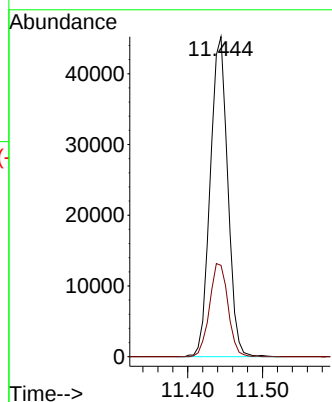
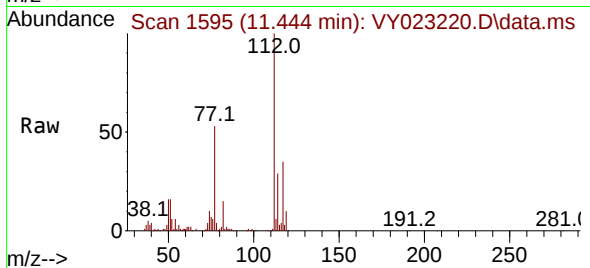
LOQ-SOIL-02-QT3-2025

Tgt Ion:112 Resp: 73485

Ion Ratio Lower Upper

112 100

114 28.5 27.0 40.4



#66

1,1,1,2-Tetrachloroethane

Concen: 5.507 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

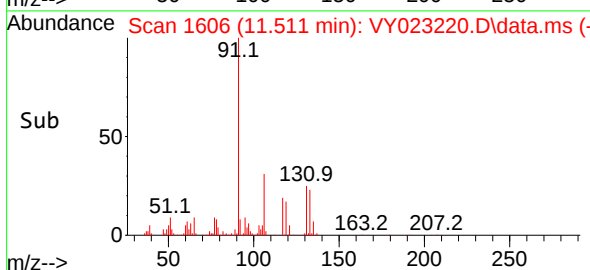
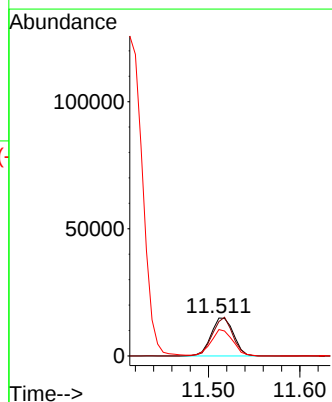
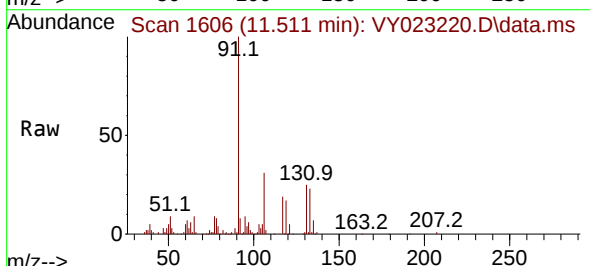
Tgt Ion:131 Resp: 25617

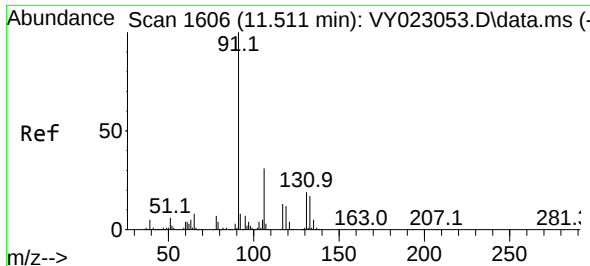
Ion Ratio Lower Upper

131 100

133 92.1 46.9 140.6

119 67.9 33.2 99.6





#67

Ethyl Benzene

Concen: 4.747 ug/l

RT: 11.518 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

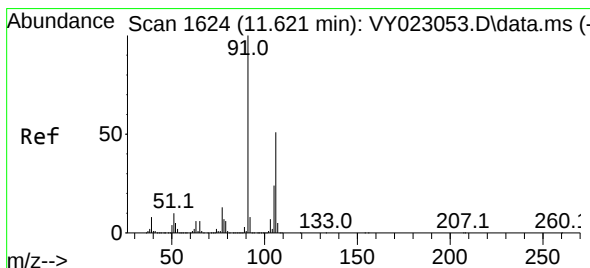
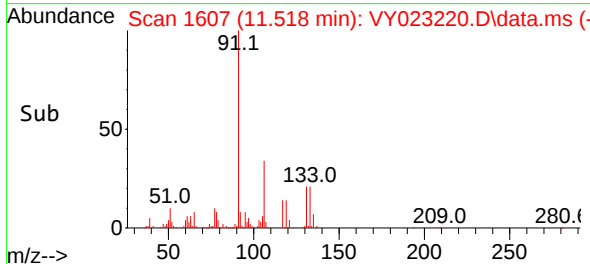
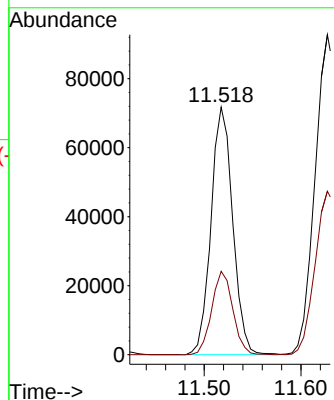
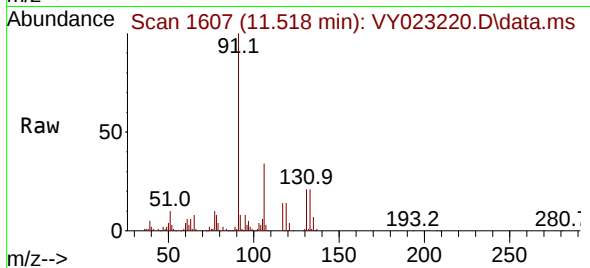
LOQ-SOIL-02-QT3-2025

Tgt Ion: 91 Resp: 111958

Ion Ratio Lower Upper

91 100

106 33.7 25.0 37.4



#68

m/p-Xylenes

Concen: 9.548 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.006 min

Lab File: VY023220.D

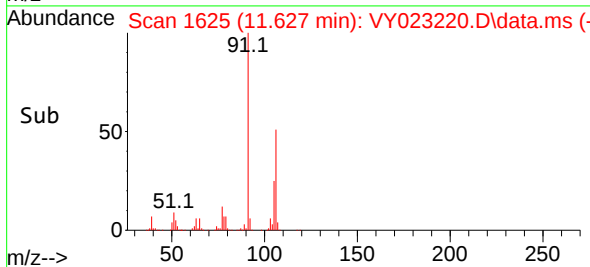
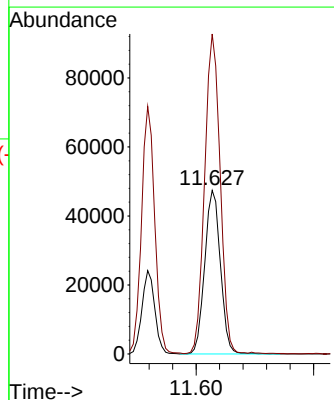
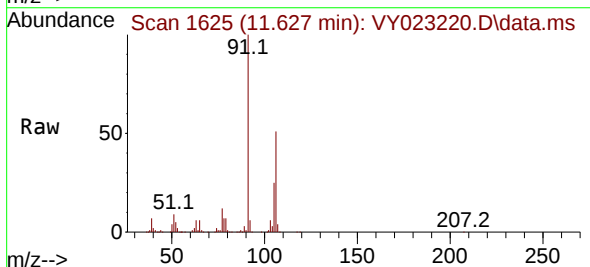
Acq: 28 Aug 2025 12:44

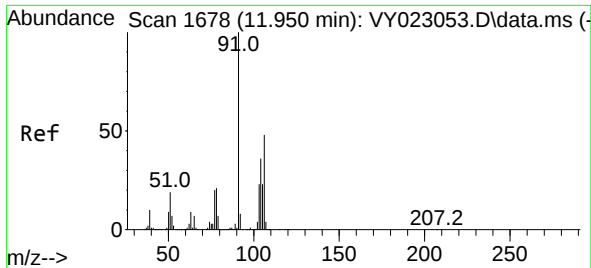
Tgt Ion:106 Resp: 87954

Ion Ratio Lower Upper

106 100

91 192.8 158.6 238.0

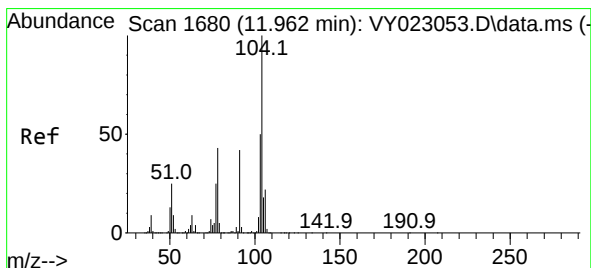
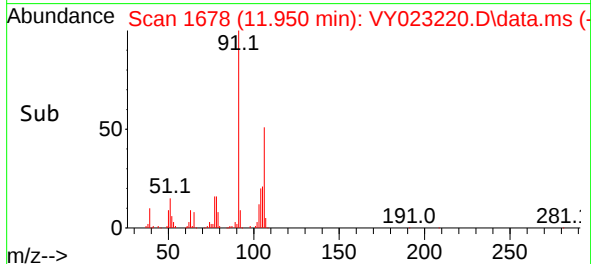
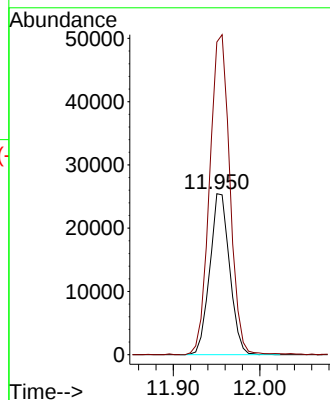
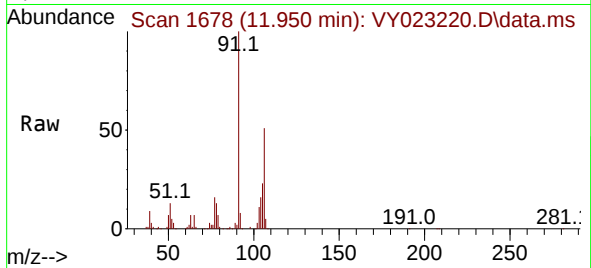




#69
o-Xylene
Concen: 4.682 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

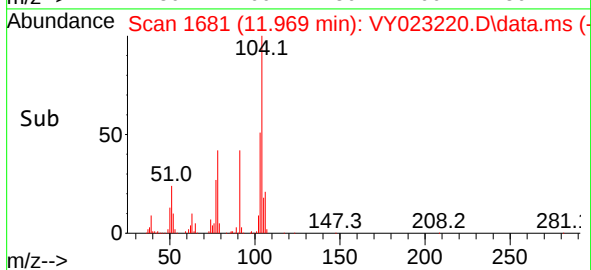
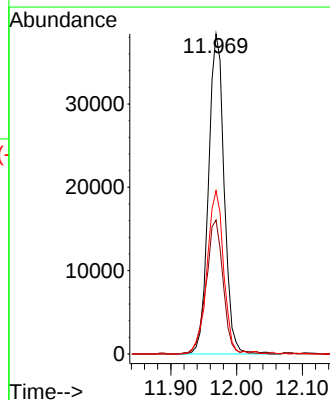
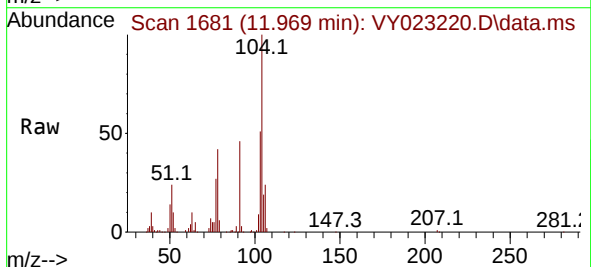
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

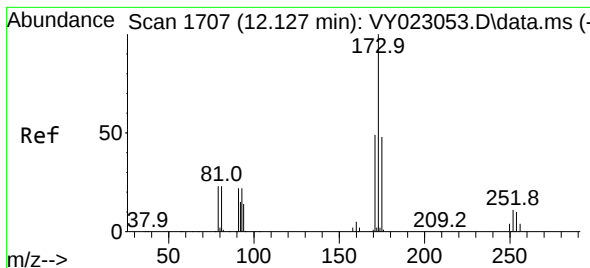
Tgt Ion:106 Resp: 40391
Ion Ratio Lower Upper
106 100
91 203.8 103.2 309.4



#70
Styrene
Concen: 4.509 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion:104 Resp: 63624
Ion Ratio Lower Upper
104 100
78 45.8 38.5 57.7
103 53.8 43.7 65.5





#71

Bromoform

Concen: 5.302 ug/l

RT: 12.133 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2025

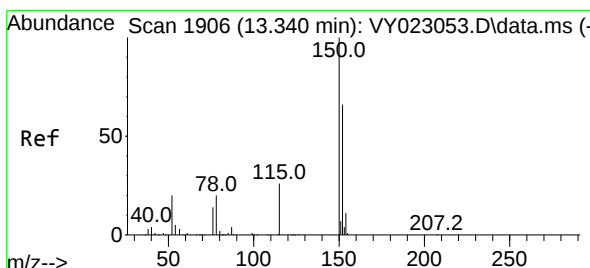
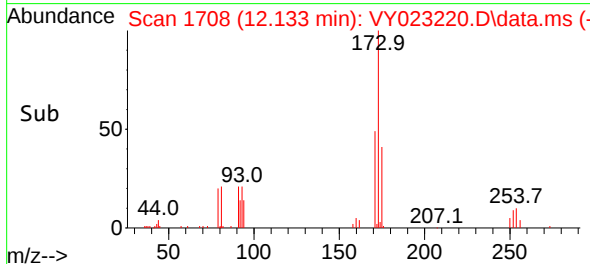
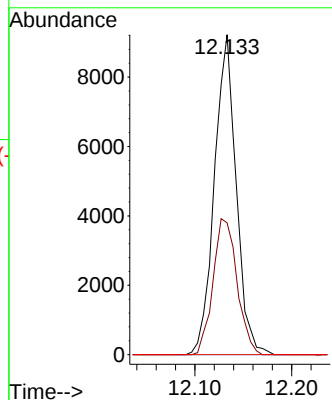
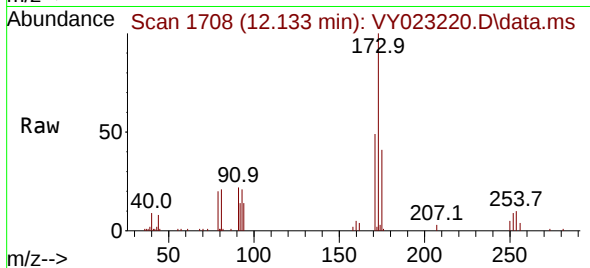
Tgt Ion:173 Resp: 14414

Ion Ratio Lower Upper

173 100

175 46.9 23.9 71.7

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

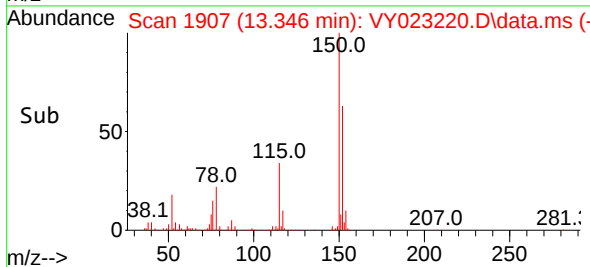
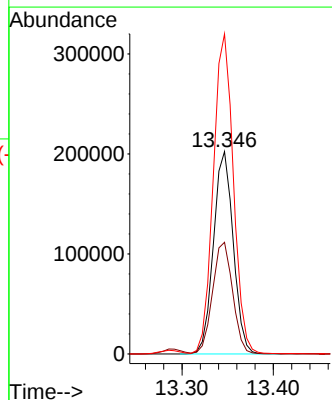
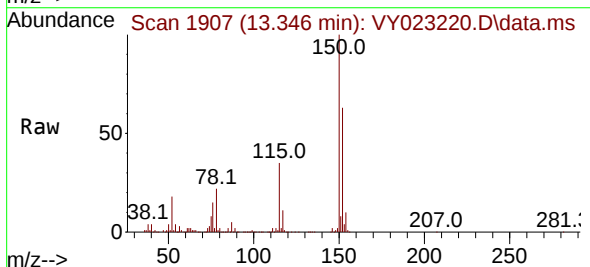
Tgt Ion:152 Resp: 304407

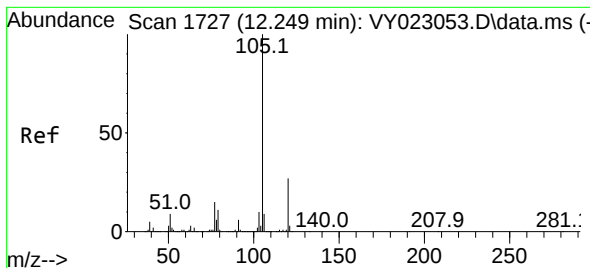
Ion Ratio Lower Upper

152 100

115 55.8 28.2 84.6

150 159.8 0.0 348.0





#73

Isopropylbenzene

Concen: 4.683 ug/l

RT: 12.255 min Scan# 1727

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

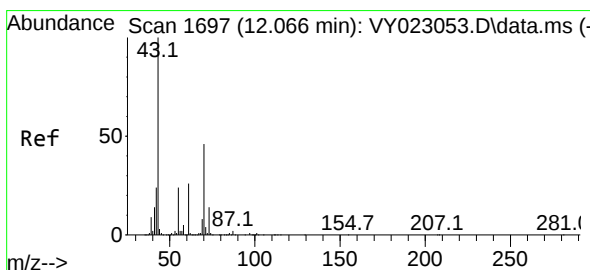
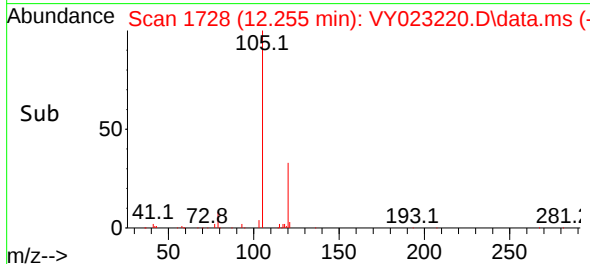
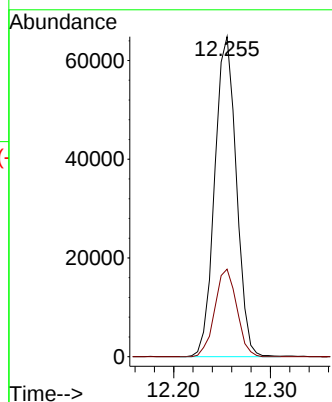
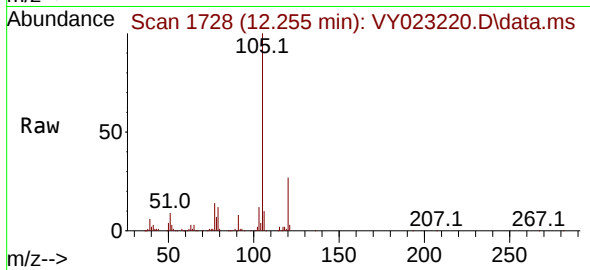
LOQ-SOIL-02-QT3-2025

Tgt Ion:105 Resp: 100620

Ion Ratio Lower Upper

105 100

120 27.8 13.4 40.2



#74

N-ethyl acetate

Concen: 3.721 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Tgt Ion: 43 Resp: 16953

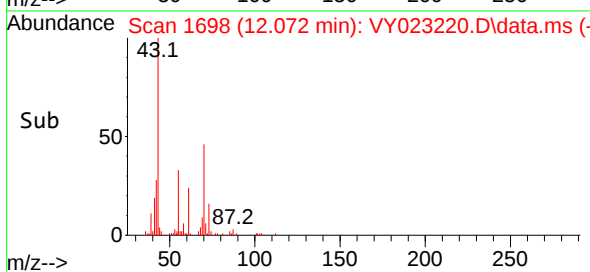
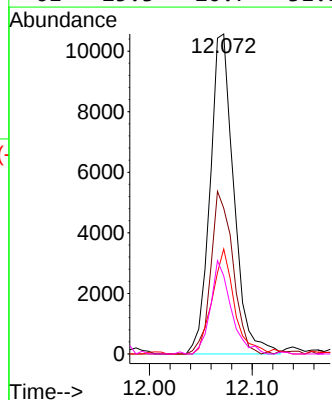
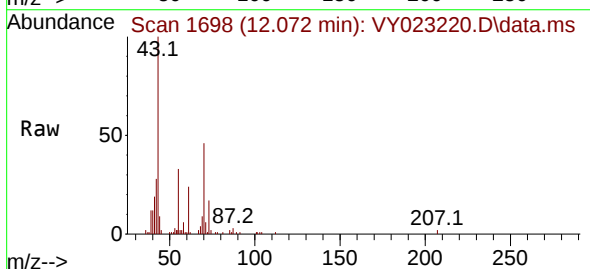
Ion Ratio Lower Upper

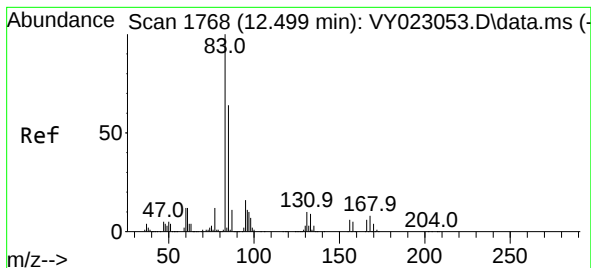
43 100

70 47.2 37.5 56.3

55 31.1 20.7 31.1

61 25.3 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 4.747 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2025

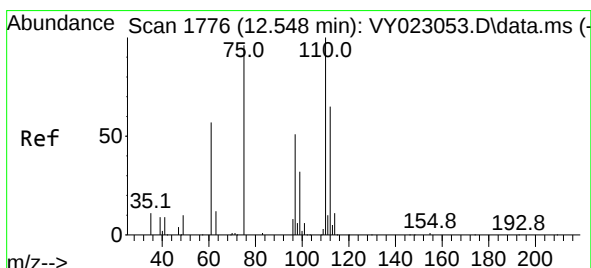
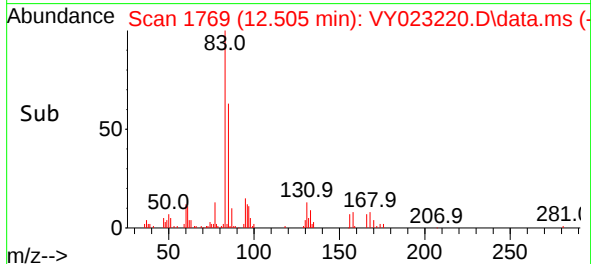
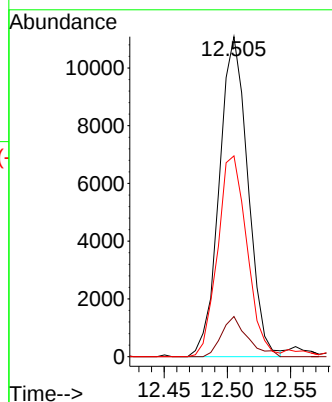
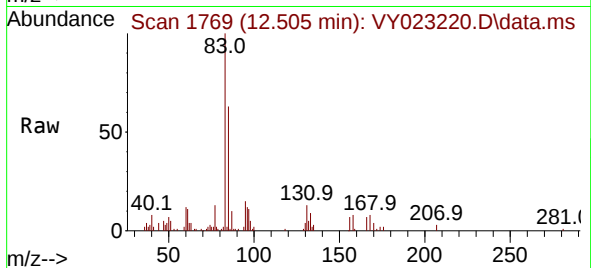
Tgt Ion: 83 Resp: 17416

Ion Ratio Lower Upper

83 100

131 11.3 5.1 15.3

85 64.4 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 8.258 ug/l

RT: 12.554 min Scan# 1777

Delta R.T. 0.006 min

Lab File: VY023220.D

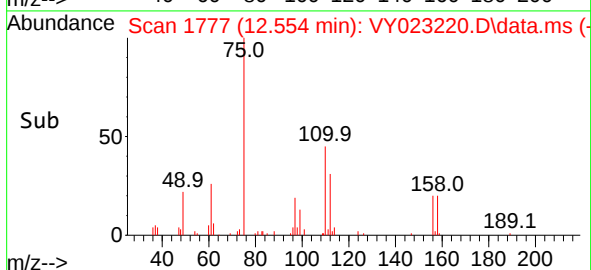
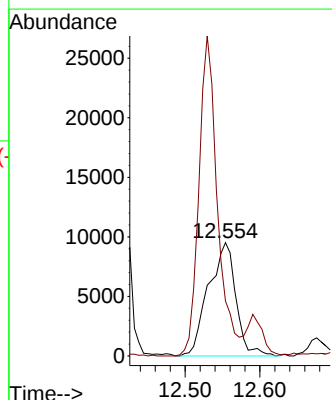
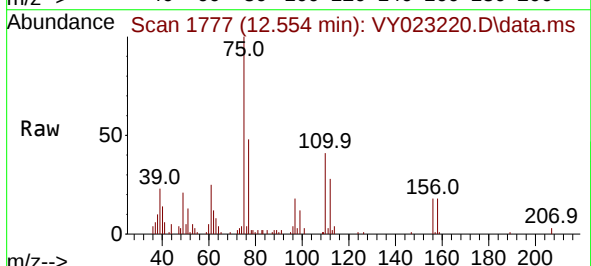
Acq: 28 Aug 2025 12:44

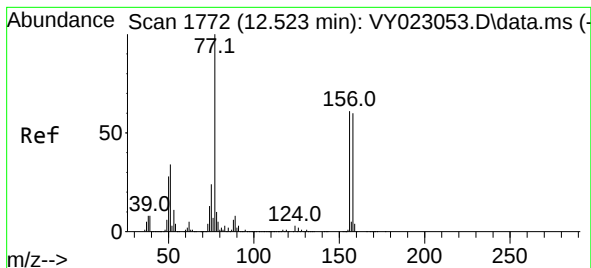
Tgt Ion: 75 Resp: 24261

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 5.456 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2025

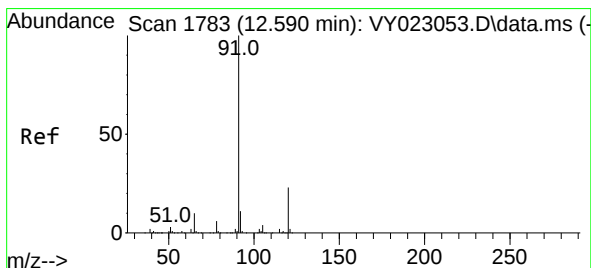
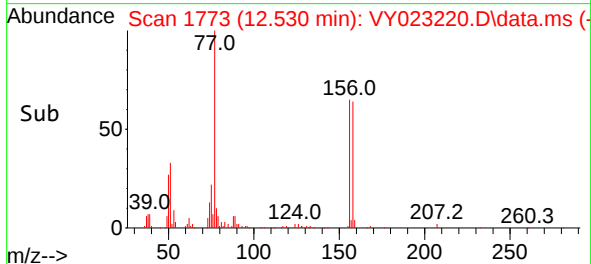
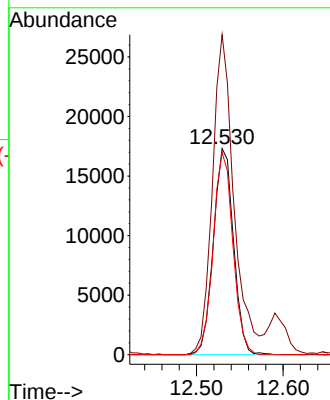
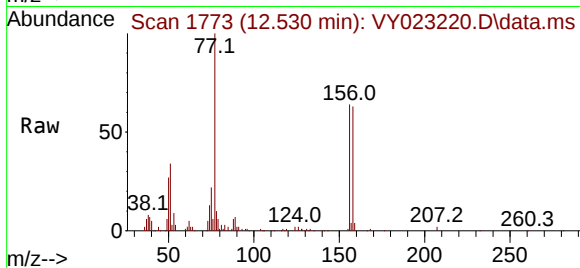
Tgt Ion:156 Resp: 27966

Ion Ratio Lower Upper

156 100

77 164.8 88.1 264.4

158 96.2 48.0 144.0



#78

n-propylbenzene

Concen: 4.917 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.006 min

Lab File: VY023220.D

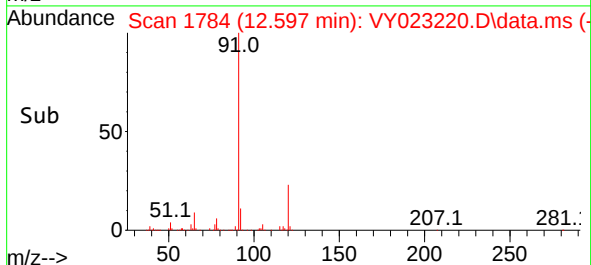
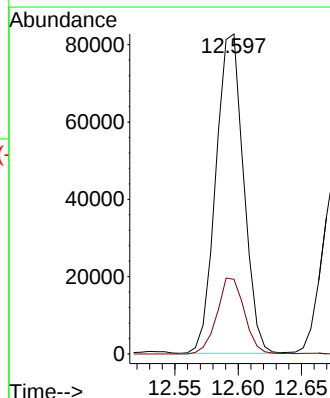
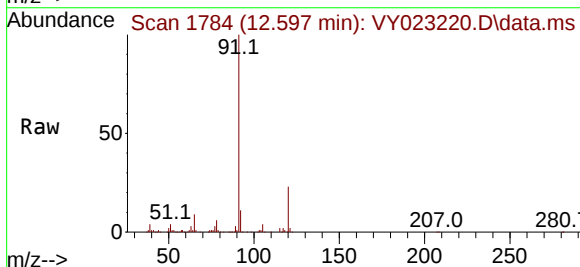
Acq: 28 Aug 2025 12:44

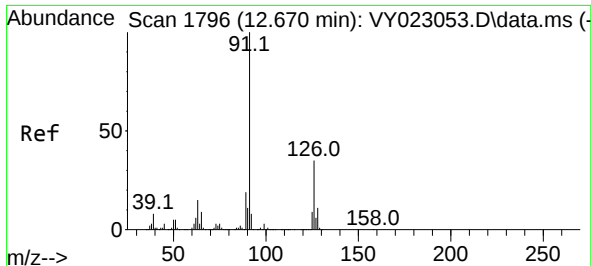
Tgt Ion: 91 Resp: 125763

Ion Ratio Lower Upper

91 100

120 23.6 11.5 34.5

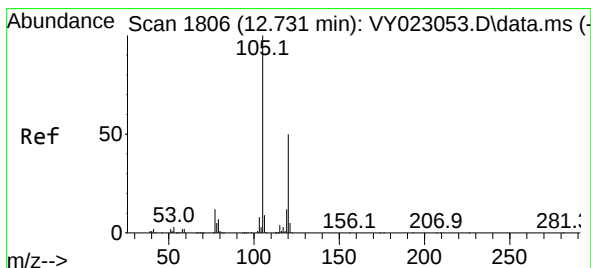
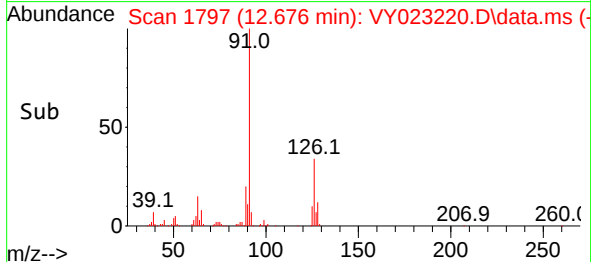
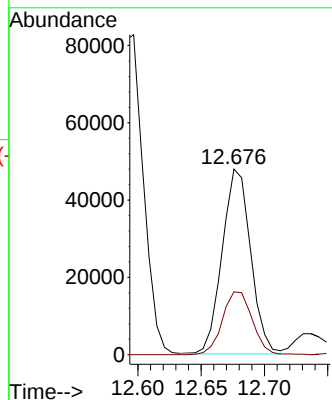
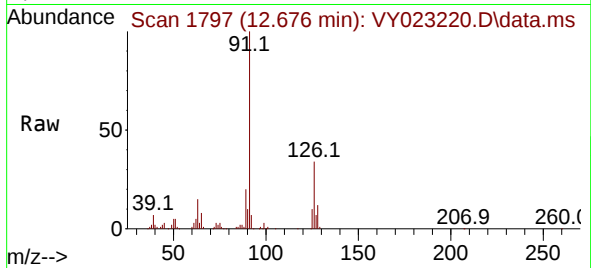




#79
2-Chlorotoluene
Concen: 5.120 ug/l
RT: 12.676 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

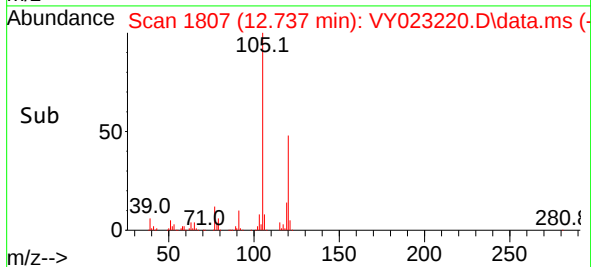
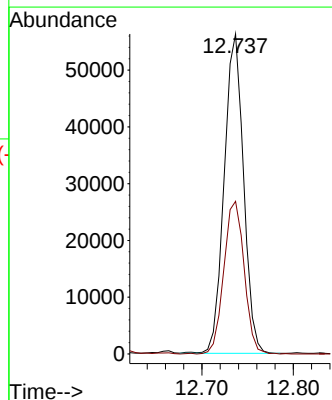
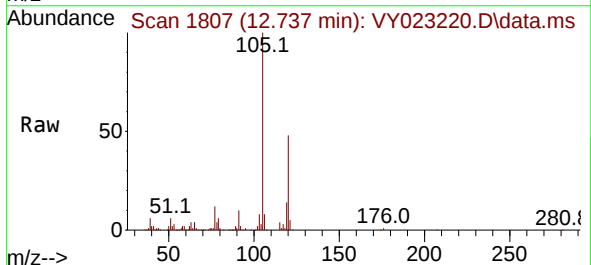
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

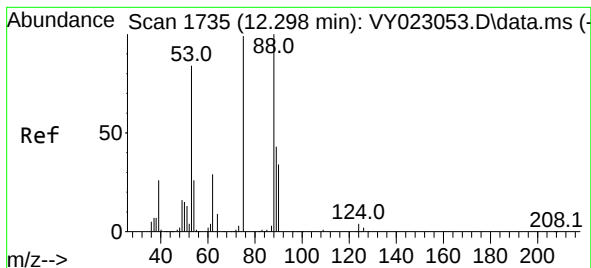
Tgt Ion: 91 Resp: 75037
Ion Ratio Lower Upper
91 100
126 35.6 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 4.778 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion: 105 Resp: 82972
Ion Ratio Lower Upper
105 100
120 50.2 24.8 74.4

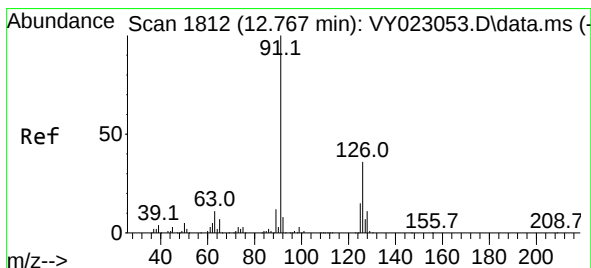
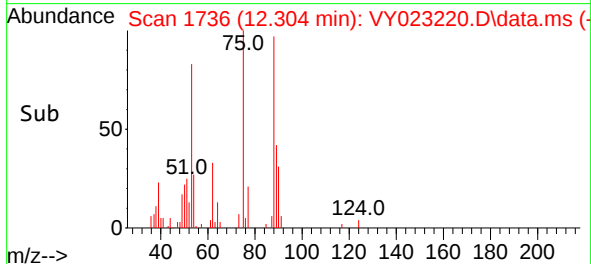
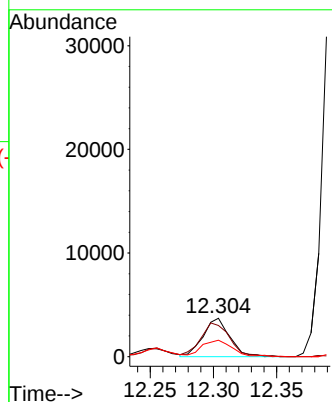
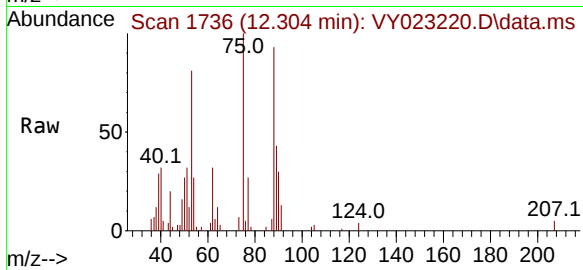




#81
trans-1,4-Dichloro-2-butene
Concen: 4.470 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

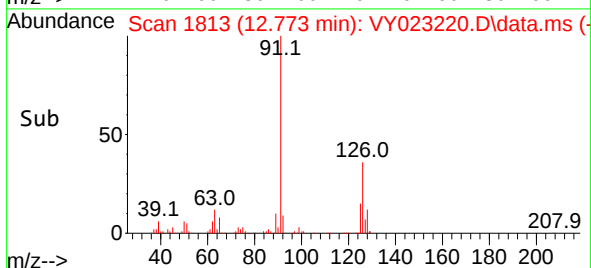
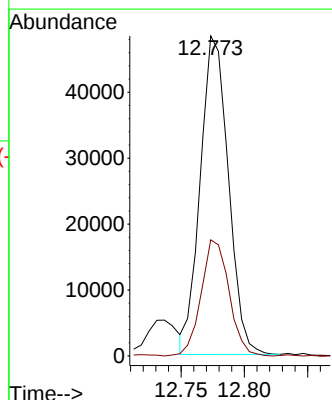
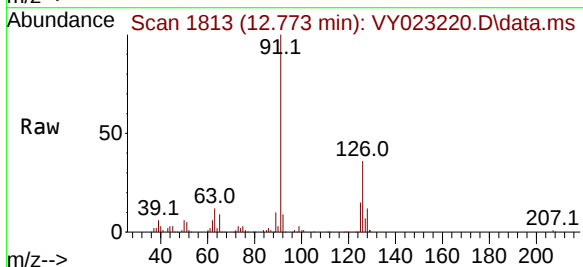
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

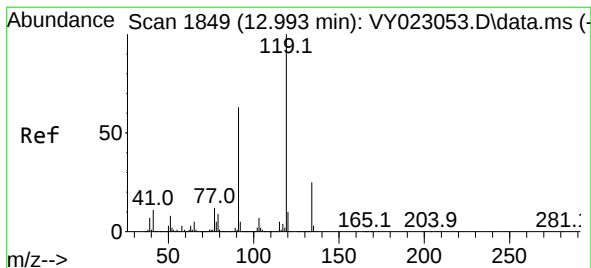
Tgt Ion: 75 Resp: 5425
Ion Ratio Lower Upper
75 100
53 97.1 70.8 106.2
89 48.8 38.1 57.1



#82
4-Chlorotoluene
Concen: 4.921 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion: 91 Resp: 74817
Ion Ratio Lower Upper
91 100
126 36.2 17.3 52.0





#83

tert-Butylbenzene

Concen: 4.740 ug/l

RT: 12.993 min Scan# 119

Delta R.T. 0.000 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2025

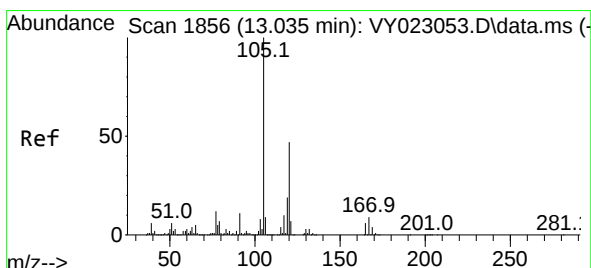
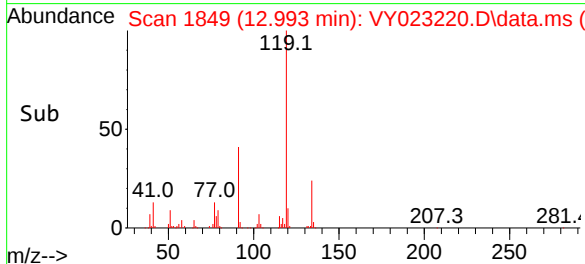
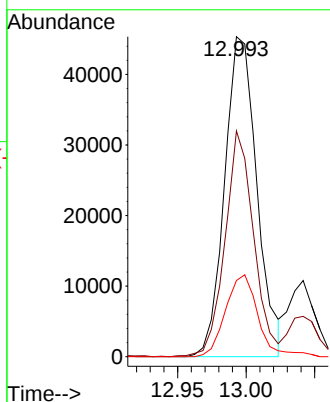
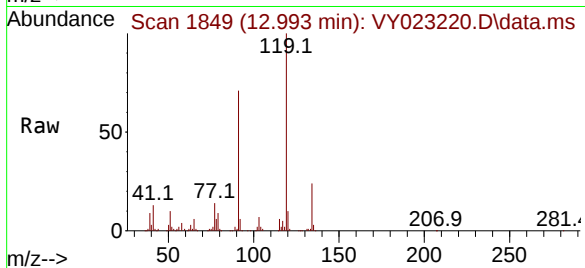
Tgt Ion:119 Resp: 74335

Ion Ratio Lower Upper

119 100

91 62.6 31.6 94.8

134 25.8 12.9 38.7



#84

1,2,4-Trimethylbenzene

Concen: 4.603 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.006 min

Lab File: VY023220.D

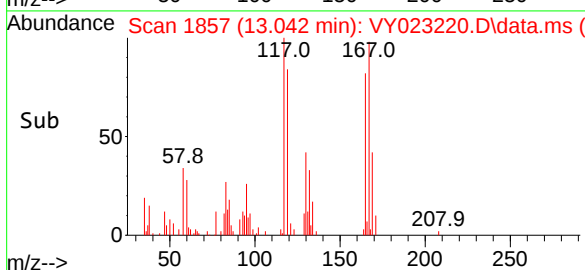
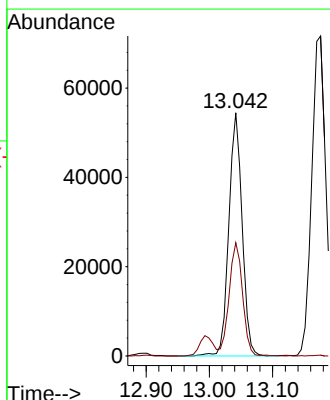
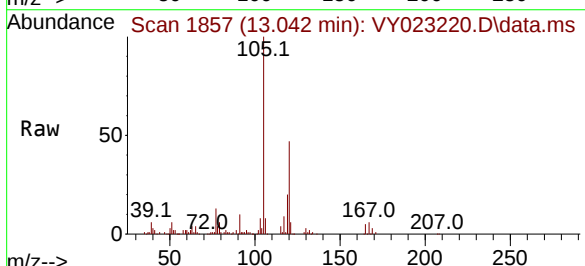
Acq: 28 Aug 2025 12:44

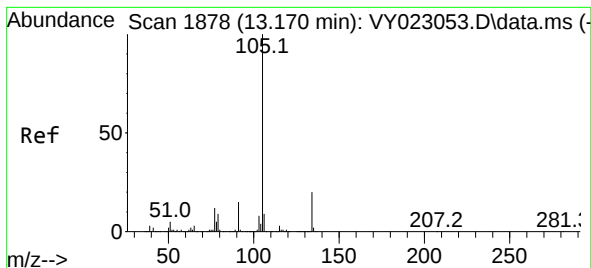
Tgt Ion:105 Resp: 79567

Ion Ratio Lower Upper

105 100

120 47.0 23.0 69.0





#85

sec-Butylbenzene

Concen: 4.813 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

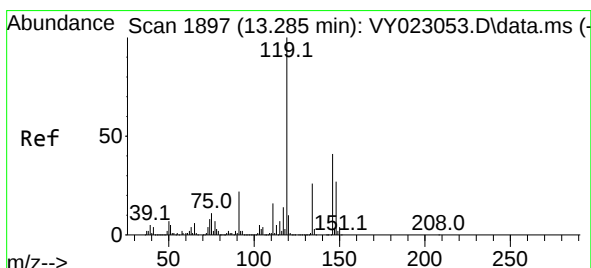
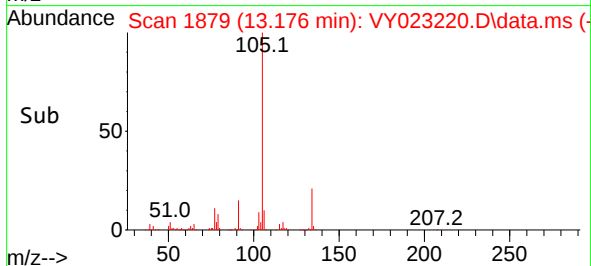
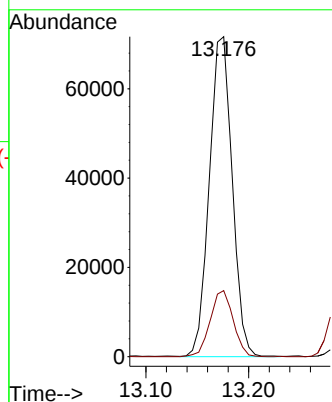
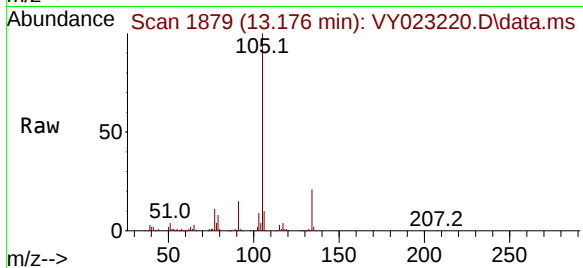
LOQ-SOIL-02-QT3-2025

Tgt Ion:105 Resp: 110885

Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.4



#86

p-Isopropyltoluene

Concen: 4.530 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

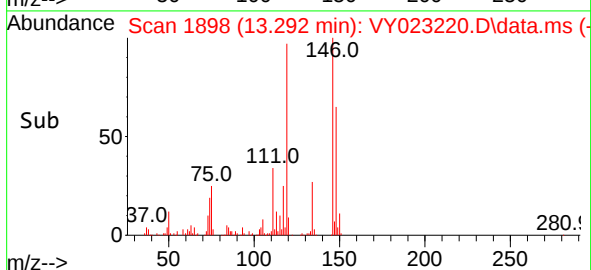
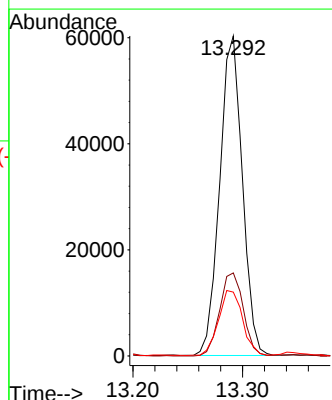
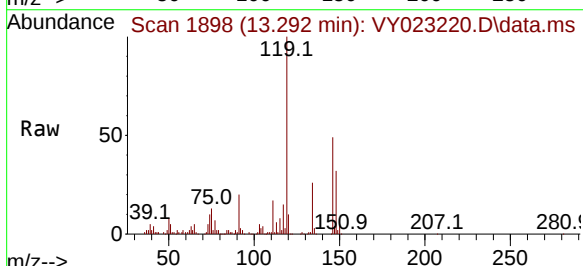
Tgt Ion:119 Resp: 86616

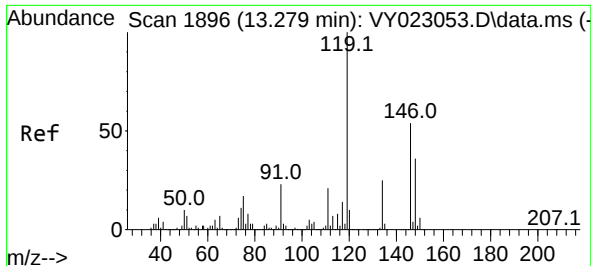
Ion Ratio Lower Upper

119 100

134 27.1 13.2 39.6

91 21.7 11.3 33.8

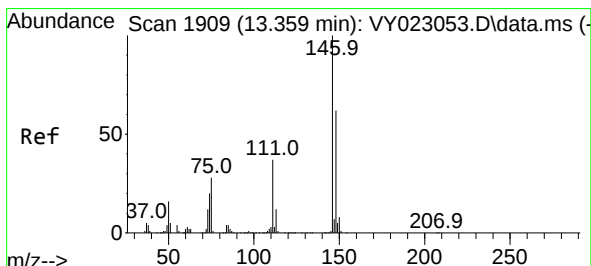
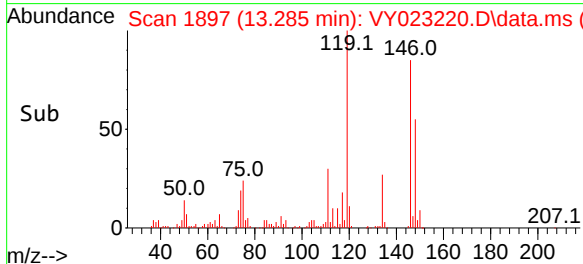
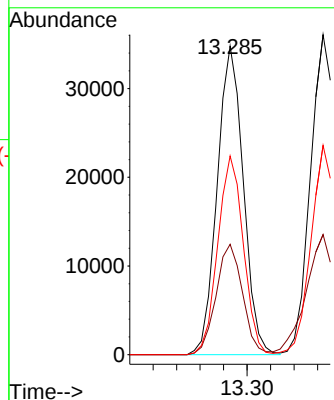
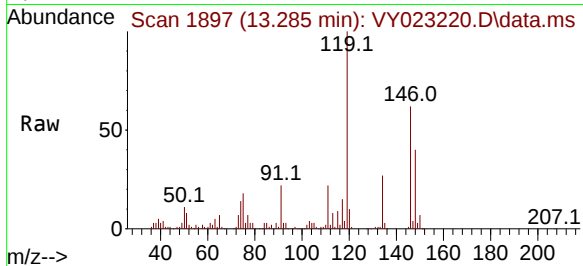




#87
1,3-Dichlorobenzene
Concen: 5.317 ug/l
RT: 13.285 min Scan# 1896
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

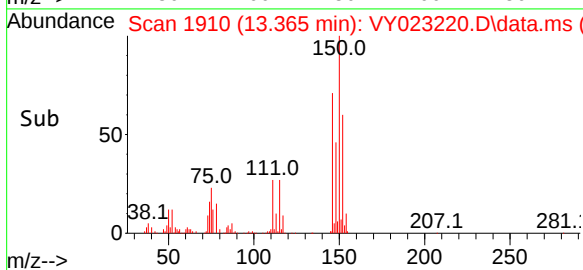
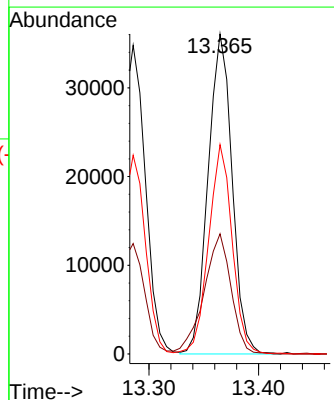
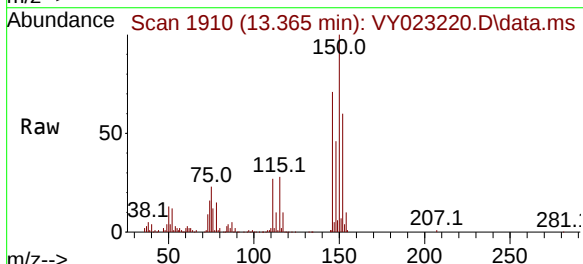
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Tgt Ion:146 Resp: 53744
Ion Ratio Lower Upper
146 100
111 36.4 19.6 58.7
148 63.1 32.5 97.5



#88
1,4-Dichlorobenzene
Concen: 5.482 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion:146 Resp: 54967
Ion Ratio Lower Upper
146 100
111 42.3 19.1 57.1
148 64.5 31.6 94.7





#89

n-Butylbenzene

Concen: 4.452 ug/l

RT: 13.615 min Scan# 1950

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2025

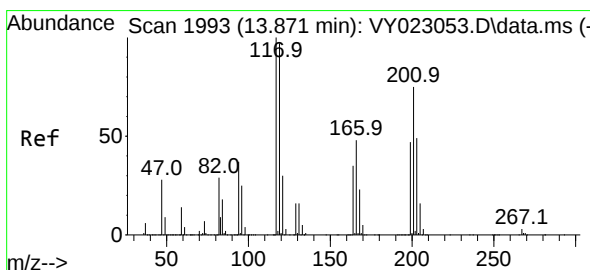
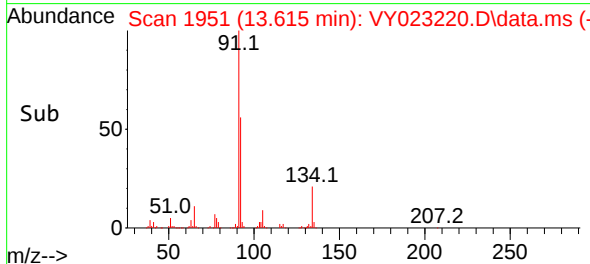
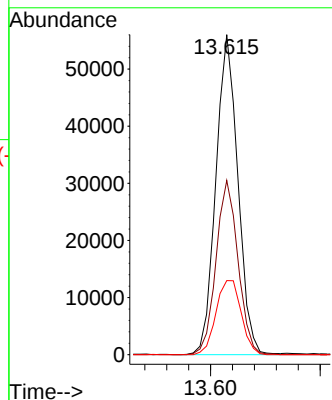
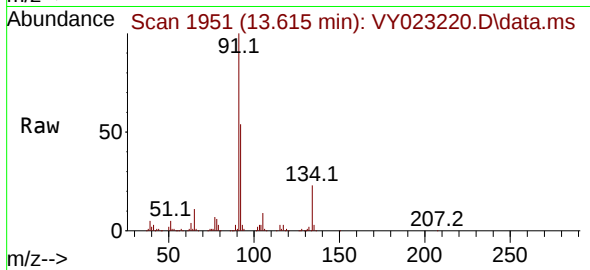
Tgt Ion: 91 Resp: 78190

Ion Ratio Lower Upper

91 100

92 54.4 26.9 80.7

134 26.5 13.2 39.5



#90

Hexachloroethane

Concen: 5.525 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.006 min

Lab File: VY023220.D

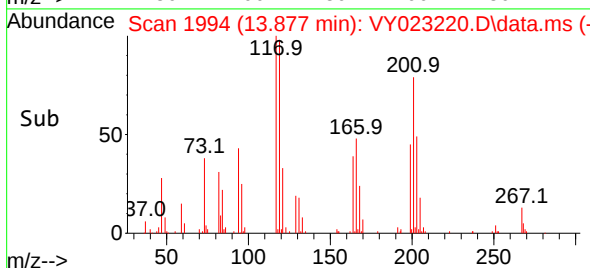
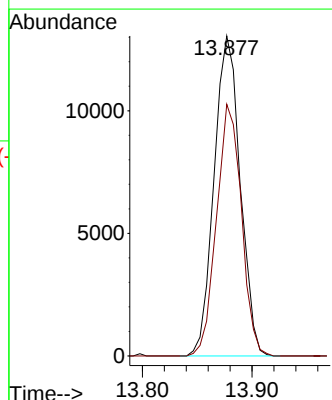
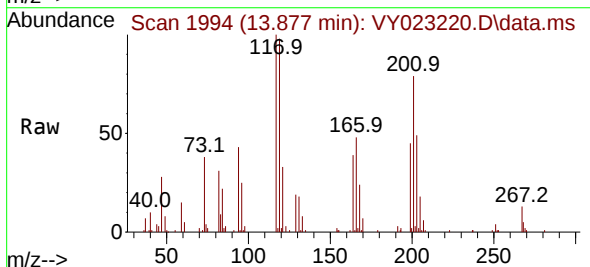
Acq: 28 Aug 2025 12:44

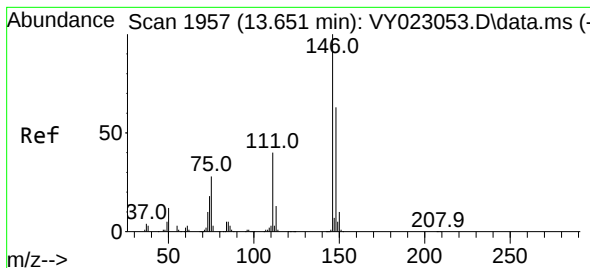
Tgt Ion: 117 Resp: 21628

Ion Ratio Lower Upper

117 100

201 75.0 38.4 115.1





#91

1,2-Dichlorobenzene

Concen: 5.201 ug/l

RT: 13.657 min Scan# 1957

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2025

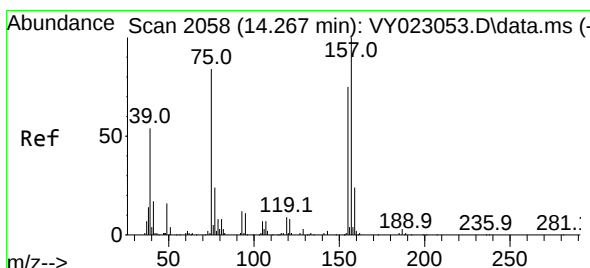
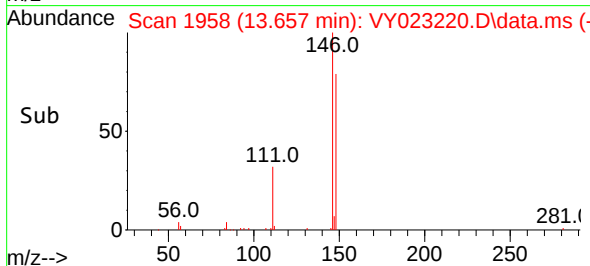
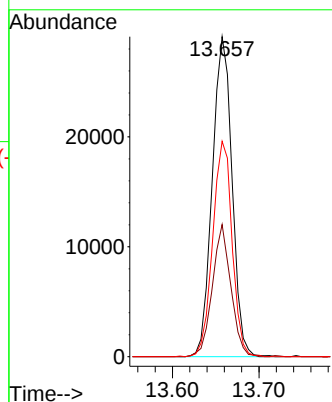
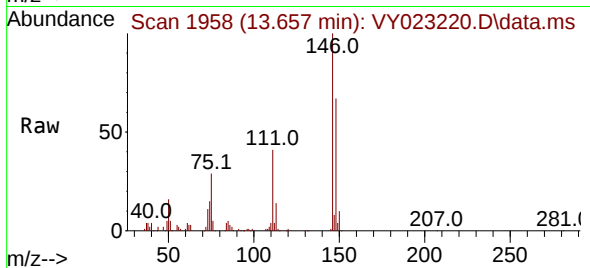
Tgt Ion:146 Resp: 46103

Ion Ratio Lower Upper

146 100

111 38.7 20.3 60.8

148 66.2 32.2 96.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.037 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

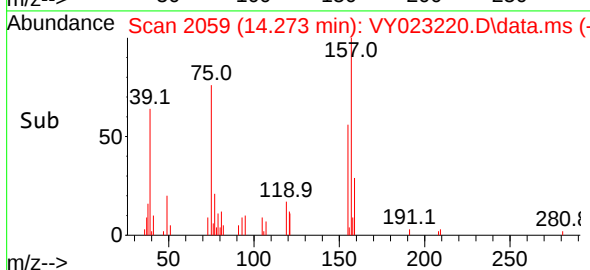
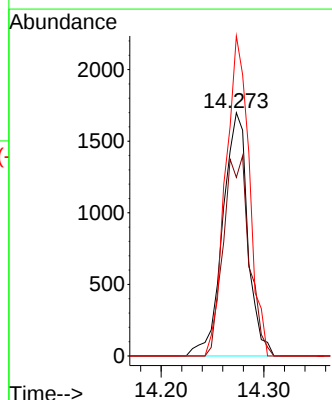
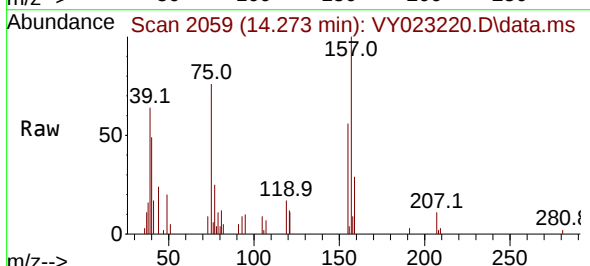
Tgt Ion: 75 Resp: 2877

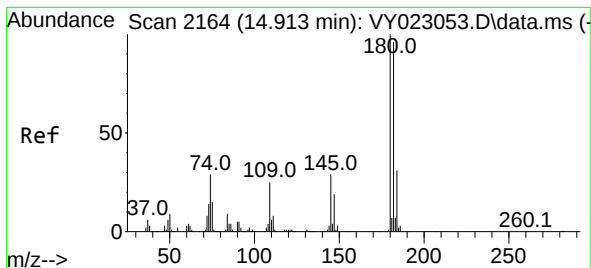
Ion Ratio Lower Upper

75 100

155 84.4 43.9 131.6

157 123.7 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 4.742 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2025

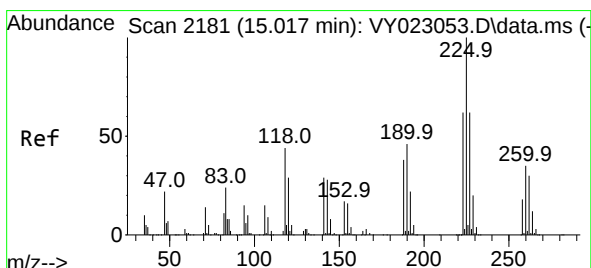
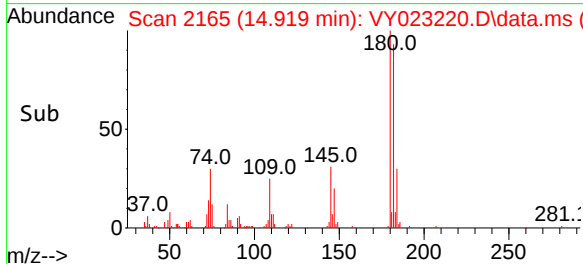
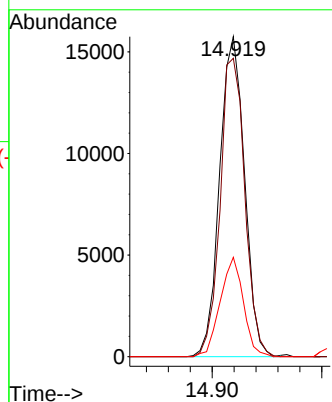
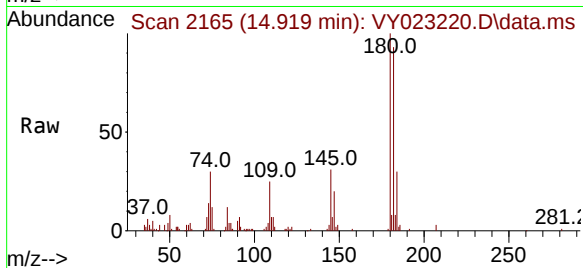
Tgt Ion:180 Resp: 24858

Ion Ratio Lower Upper

180 100

182 92.5 46.8 140.4

145 28.9 14.4 43.4



#94

Hexachlorobutadiene

Concen: 5.499 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.006 min

Lab File: VY023220.D

Acq: 28 Aug 2025 12:44

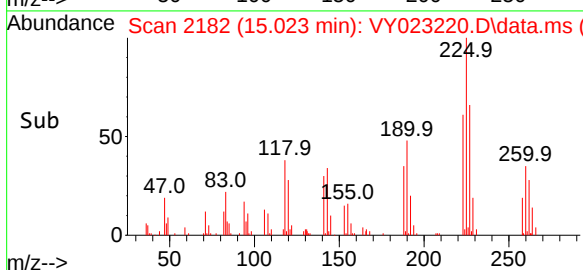
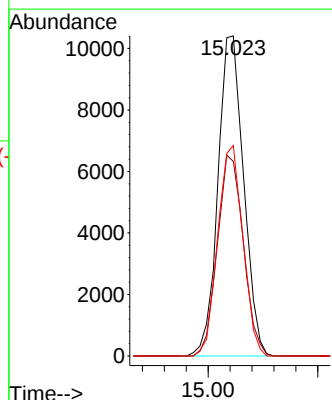
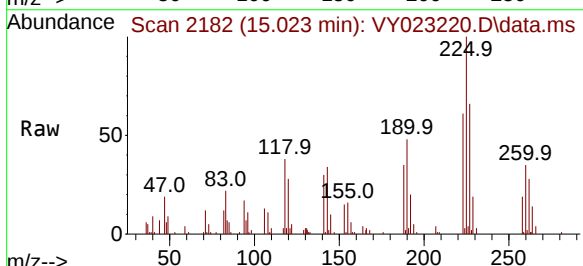
Tgt Ion:225 Resp: 16939

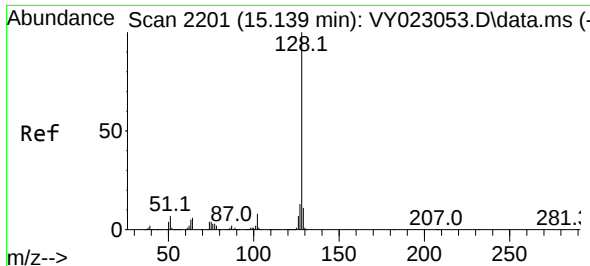
Ion Ratio Lower Upper

225 100

223 63.4 31.3 93.8

227 64.2 31.5 94.5

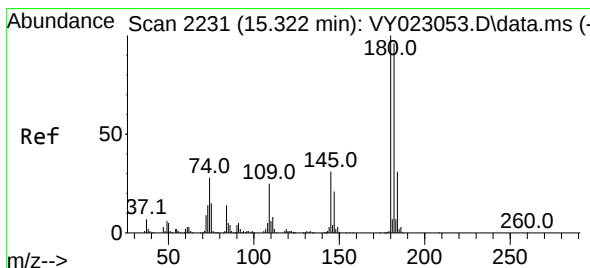
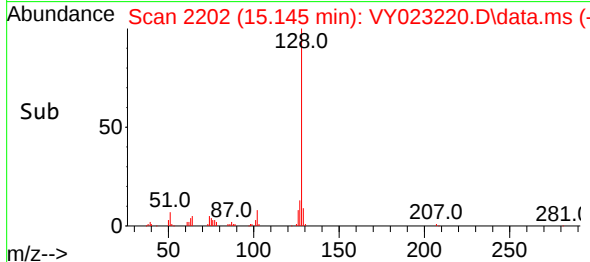
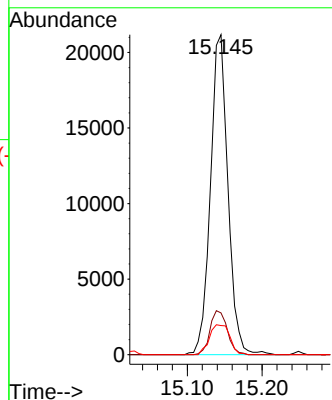
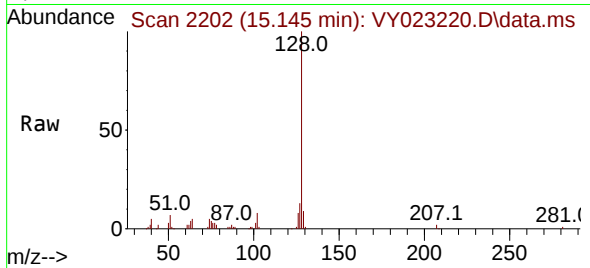




#95
Naphthalene
Concen: 3.852 ug/l
RT: 15.145 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Tgt Ion:128 Resp: 34430
Ion Ratio Lower Upper
128 100
127 13.6 10.4 15.6
129 10.9 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 4.728 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY023220.D
Acq: 28 Aug 2025 12:44

Tgt Ion:180 Resp: 21359
Ion Ratio Lower Upper
180 100
182 91.6 47.9 143.7
145 29.4 15.9 47.7

