

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052825\
 Data File : VY022444.D
 Acq On : 28 May 2025 11:40
 Operator : SY/MD
 Sample : Q2126-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

Quant Time: May 29 01:53:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	217452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	377951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	307961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	132317	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114860	50.148	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.300%	
35) Dibromofluoromethane	7.634	113	108785	49.148	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.300%	
50) Toluene-d8	10.109	98	446562	49.491	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.980%	
62) 4-Bromofluorobenzene	12.408	95	123282	45.169	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.340%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	13209	6.367	ug/l	97
3) Chloromethane	2.068	50	31115	6.097	ug/l	99
4) Vinyl Chloride	2.202	62	35803	5.775	ug/l	99
5) Bromomethane	2.598	94	34297	6.088	ug/l	95
6) Chloroethane	2.739	64	24572	6.065	ug/l	99
7) Trichlorofluoromethane	3.050	101	30439	5.819	ug/l	99
8) Diethyl Ether	3.464	74	6452	5.350	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.818	101	13487	5.877	ug/l	99
10) Methyl Iodide	4.007	142	12205	4.714	ug/l	98
11) Tert butyl alcohol	4.872	59	2539	15.727	ug/l #	93
12) 1,1-Dichloroethene	3.787	96	12818	5.626	ug/l	94
13) Acrolein	3.659	56	5915	24.452	ug/l #	82
14) Allyl chloride	4.391	41	19615	5.723	ug/l	98
15) Acrylonitrile	5.055	53	5588	11.495	ug/l #	5
16) Acetone	3.873	43	10914	28.998	ug/l	94
17) Carbon Disulfide	4.110	76	41767	5.745	ug/l	98
18) Methyl Acetate	4.385	43	6496	4.607	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	32273	5.336	ug/l #	86
20) Methylene Chloride	4.616	84	19475	7.328	ug/l #	91
21) trans-1,2-Dichloroethene	5.116	96	14311	5.754	ug/l	90
22) Diisopropyl ether	6.019	45	40914	5.409	ug/l #	95
23) Vinyl Acetate	5.964	43	113437	26.120	ug/l	100
24) 1,1-Dichloroethane	5.915	63	24838	5.557	ug/l	99
25) 2-Butanone	6.903	43	15953	25.451	ug/l	95
26) 2,2-Dichloropropane	6.890	77	22491	5.557	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	15880	5.515	ug/l	98
28) Bromochloromethane	7.250	49	9836	5.270	ug/l	96
29) Tetrahydrofuran	7.262	42	10660	25.500	ug/l	99
30) Chloroform	7.421	83	24872	5.648	ug/l	94
31) Cyclohexane	7.701	56	28815	6.540	ug/l #	81
32) 1,1,1-Trichloroethane	7.610	97	21920	5.484	ug/l	98
36) 1,1-Dichloropropene	7.841	75	19339	5.506	ug/l	99
37) Ethyl Acetate	6.988	43	7989	5.352	ug/l #	93
38) Carbon Tetrachloride	7.829	117	19265	5.265	ug/l	96
39) Methylcyclohexane	9.109	83	25646	5.493	ug/l	96
40) Benzene	8.079	78	56318	5.389	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.262	41	5408	5.969	ug/l #	31
42) 1,2-Dichloroethane	8.152	62	14647	5.306	ug/l	96
43) Isopropyl Acetate	8.195	43	16520	5.065	ug/l	98
44) Trichloroethene	8.866	130	14085	5.452	ug/l	88
45) 1,2-Dichloropropane	9.146	63	13177	5.366	ug/l #	89
46) Dibromomethane	9.231	93	6817	4.970	ug/l	99
47) Bromodichloromethane	9.426	83	17281	4.899	ug/l	91
48) Methyl methacrylate	9.225	41	7161	4.730	ug/l	98
49) 1,4-Dioxane	9.244	88	1514	99.927	ug/l #	79
51) 4-Methyl-2-Pentanone	10.000	43	36445	22.646	ug/l	99
52) Toluene	10.170	92	34138	5.230	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	15395	4.685	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	18822	4.875	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	8886	5.124	ug/l	94
56) Ethyl methacrylate	10.438	69	12484	5.016	ug/l	99
57) 1,3-Dichloropropane	10.719	76	15466	5.060	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	25126	20.257	ug/l	97
59) 2-Hexanone	10.762	43	23569	22.347	ug/l	96
60) Dibromochloromethane	10.914	129	10507	4.743	ug/l	96
61) 1,2-Dibromoethane	11.018	107	7373	4.648	ug/l	93
64) Tetrachloroethene	10.652	164	15120	5.765	ug/l	91
65) Chlorobenzene	11.444	112	36034	5.487	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.518	131	11605	5.216	ug/l	97
67) Ethyl Benzene	11.524	91	64645	5.302	ug/l	98
68) m/p-Xylenes	11.633	106	46249	10.005	ug/l	100
69) o-Xylene	11.957	106	22035	5.072	ug/l	98
70) Styrene	11.975	104	35874	4.959	ug/l	98
71) Bromoform	12.133	173	5718	4.907	ug/l #	96
73) Isopropylbenzene	12.255	105	57689	5.540	ug/l	100
74) N-amyl acetate	12.072	43	12426	4.876	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	9024	5.500	ug/l	96
76) 1,2,3-Trichloropropane	12.560	75	11556	8.719	ug/l #	100
77) Bromobenzene	12.536	156	12721	5.676	ug/l	98
78) n-propylbenzene	12.597	91	72456	5.798	ug/l	99
79) 2-Chlorotoluene	12.682	91	38079	5.629	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	45653	5.611	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	2756	4.703	ug/l	94
82) 4-Chlorotoluene	12.780	91	40147	5.762	ug/l	97
83) tert-Butylbenzene	12.999	119	40945	5.570	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	44267	5.406	ug/l	99
85) sec-Butylbenzene	13.176	105	63628	5.836	ug/l	100
86) p-Isopropyltoluene	13.292	119	48843	5.365	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	24879	5.517	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	24930	5.782	ug/l	94
89) n-Butylbenzene	13.621	91	48231	5.650	ug/l	100
90) Hexachloroethane	13.877	117	9924	5.478	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	20784	5.518	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1228	4.844	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	11847	5.674	ug/l	97
94) Hexachlorobutadiene	15.029	225	6939	6.333	ug/l	95
95) Naphthalene	15.145	128	19728	5.111	ug/l	97
96) 1,2,3-Trichlorobenzene	15.328	180	9635	5.627	ug/l	95

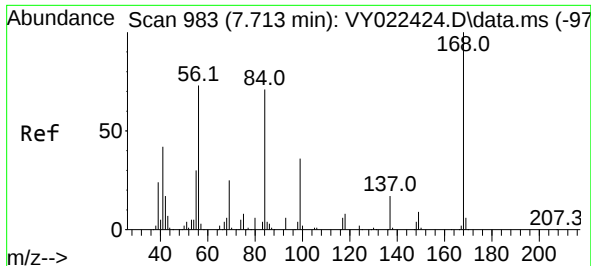
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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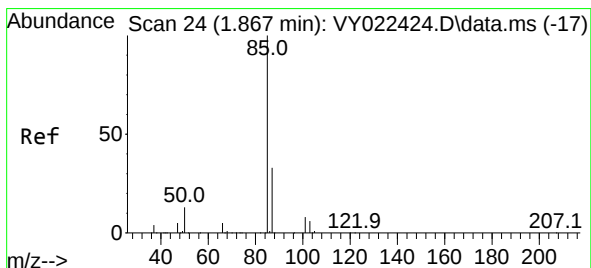
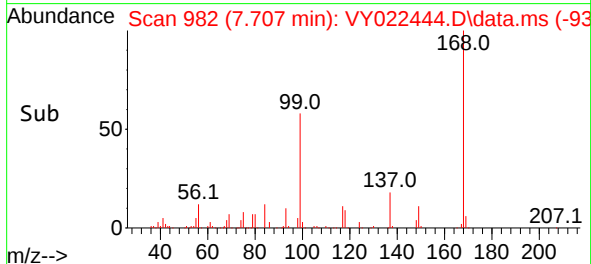
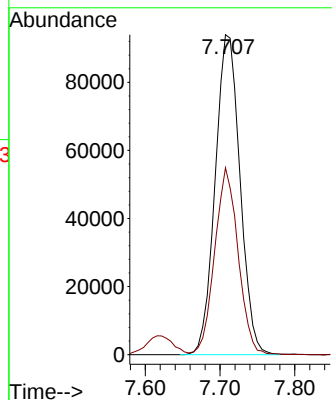
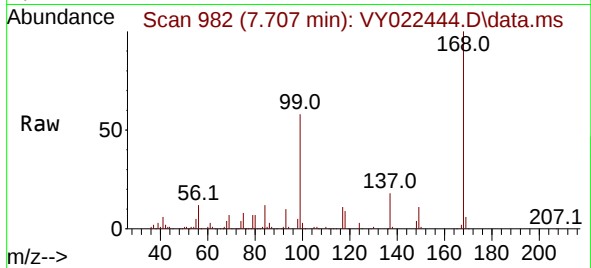
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

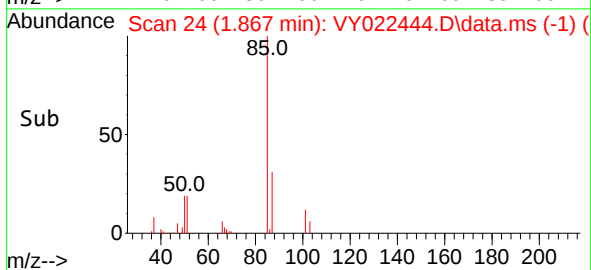
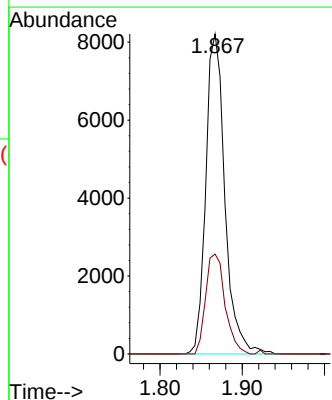
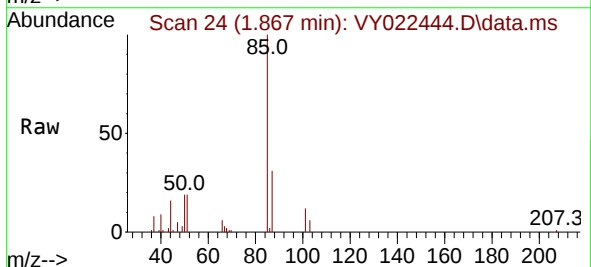
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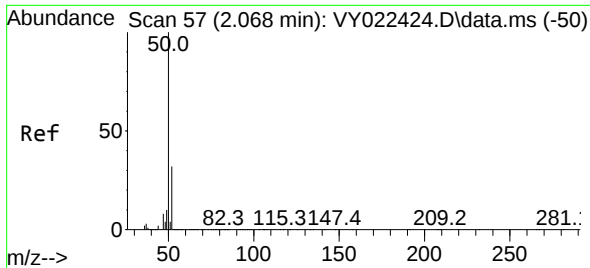
Tgt Ion:168 Resp: 217452
Ion Ratio Lower Upper
168 100
99 58.2 44.7 67.1



#2
Dichlorodifluoromethane
Concen: 6.367 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion: 85 Resp: 13209
Ion Ratio Lower Upper
85 100
87 31.2 16.4 49.2

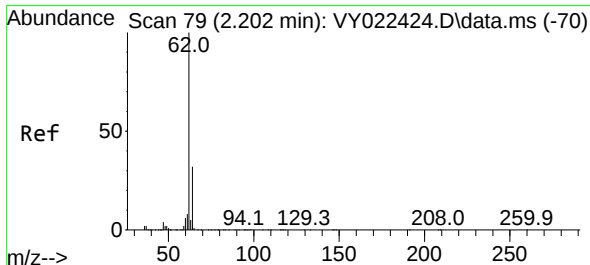
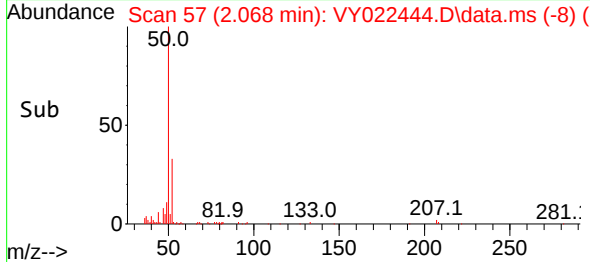
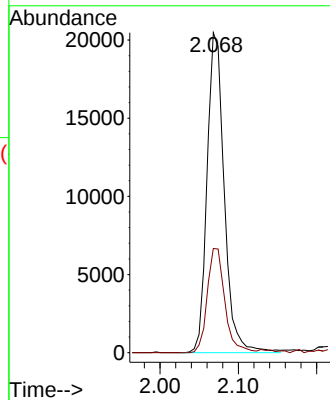
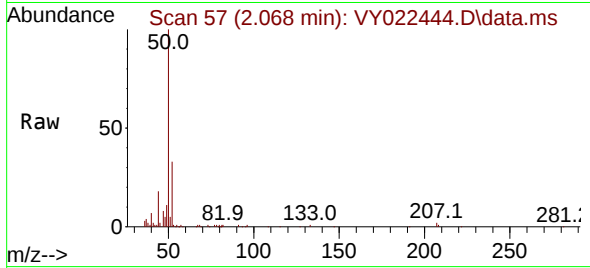




#3
Chloromethane
Concen: 6.097 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

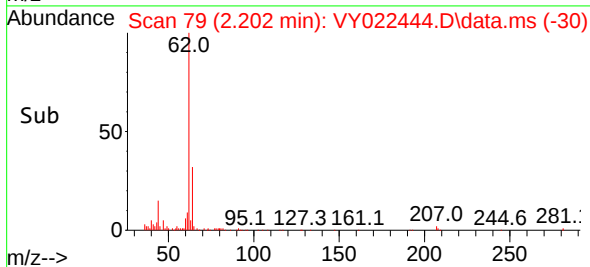
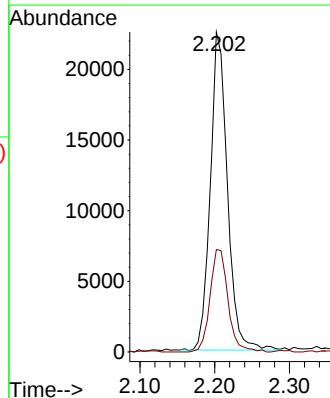
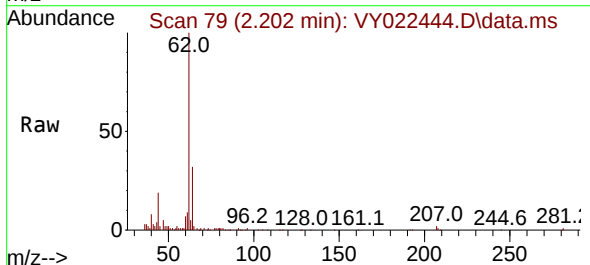
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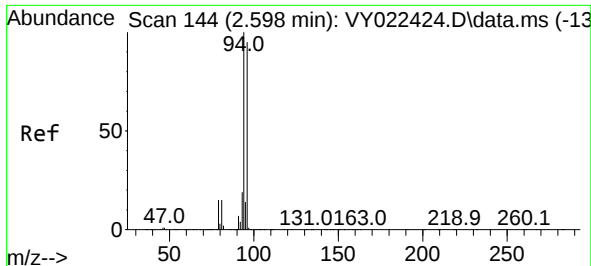
Tgt Ion: 50 Resp: 31115
Ion Ratio Lower Upper
50 100
52 32.6 25.5 38.3



#4
Vinyl Chloride
Concen: 5.775 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion: 62 Resp: 35803
Ion Ratio Lower Upper
62 100
64 32.2 26.0 39.0

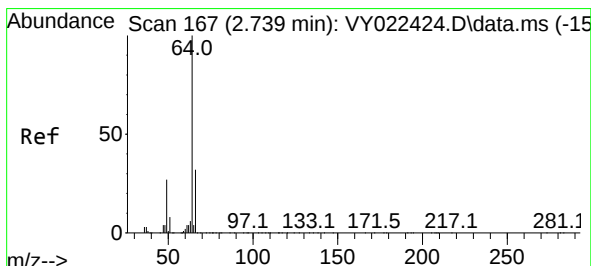
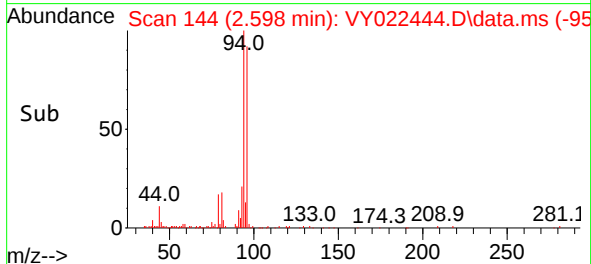
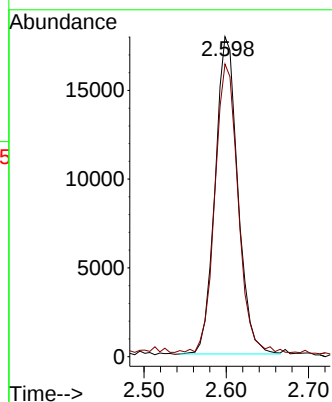
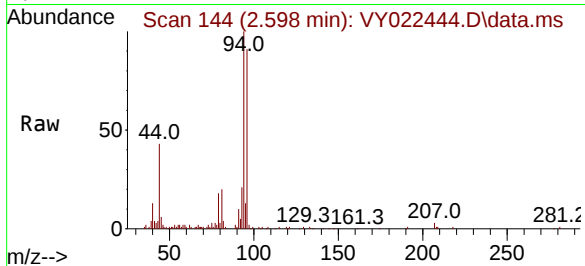




#5
Bromomethane
Concen: 6.088 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

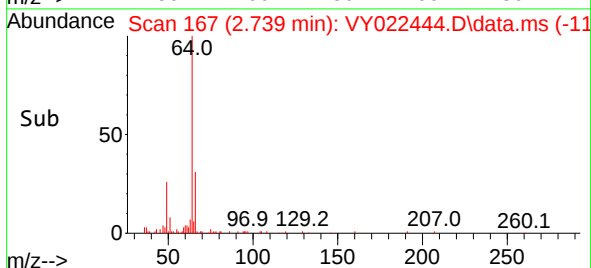
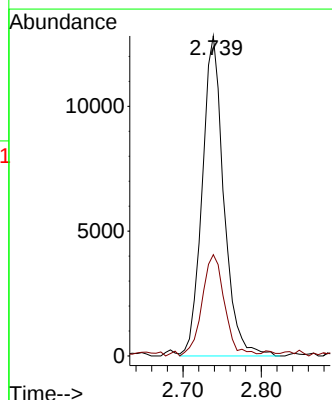
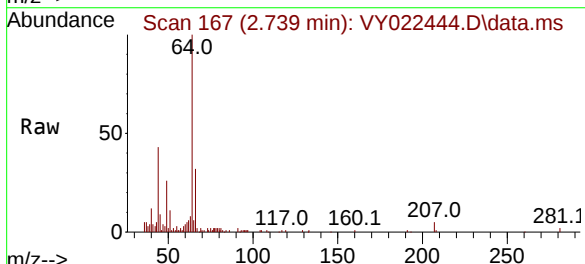
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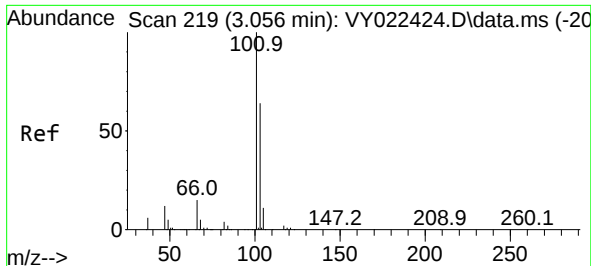
Tgt Ion: 94 Resp: 34297
Ion Ratio Lower Upper
94 100
96 90.3 76.0 114.0



#6
Chloroethane
Concen: 6.065 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion: 64 Resp: 24572
Ion Ratio Lower Upper
64 100
66 31.7 25.9 38.9

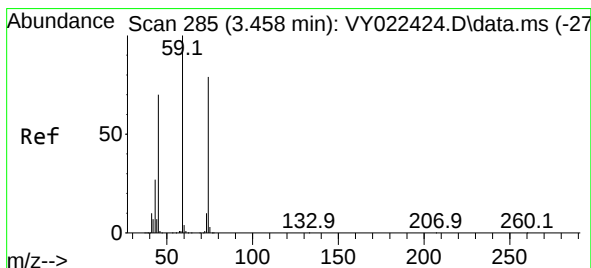
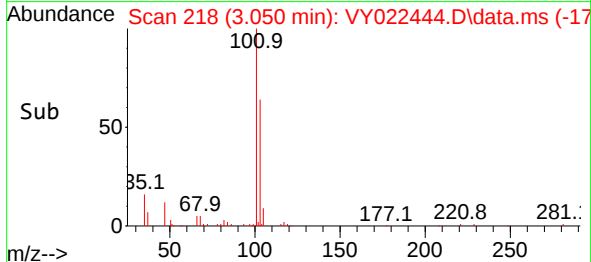
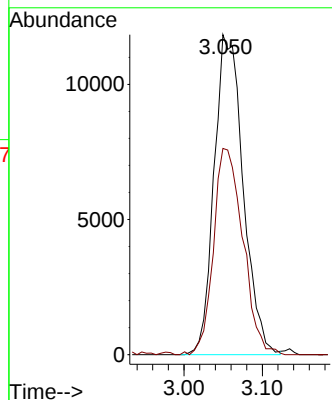
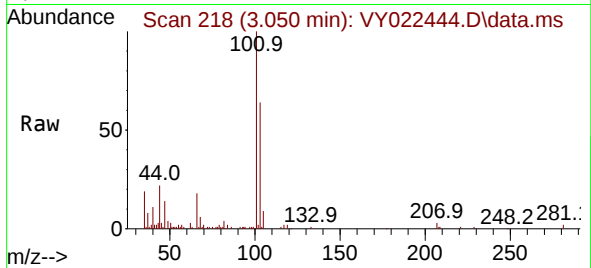




#7
 Trichlorofluoromethane
 Concen: 5.819 ug/l
 RT: 3.050 min Scan# 219
 Delta R.T. -0.006 min
 Lab File: VY022444.D
 Acq: 28 May 2025 11:40

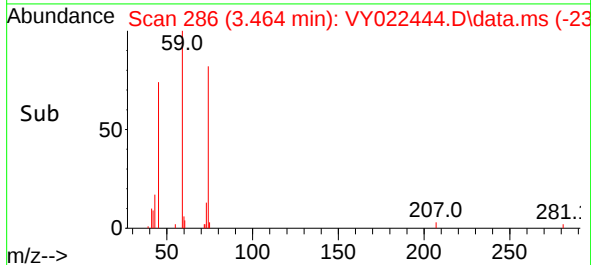
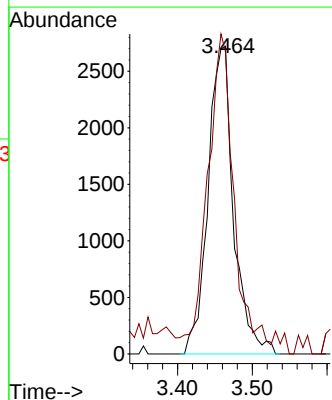
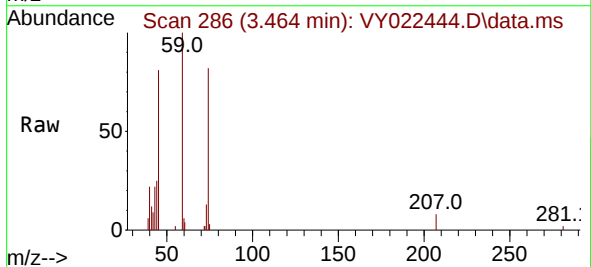
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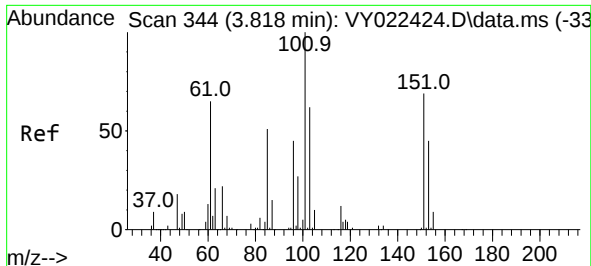
Tgt Ion:101 Resp: 30439
 Ion Ratio Lower Upper
 101 100
 103 64.4 50.9 76.3



#8
 Diethyl Ether
 Concen: 5.350 ug/l
 RT: 3.464 min Scan# 286
 Delta R.T. 0.006 min
 Lab File: VY022444.D
 Acq: 28 May 2025 11:40

Tgt Ion: 74 Resp: 6452
 Ion Ratio Lower Upper
 74 100
 45 98.7 44.9 134.5

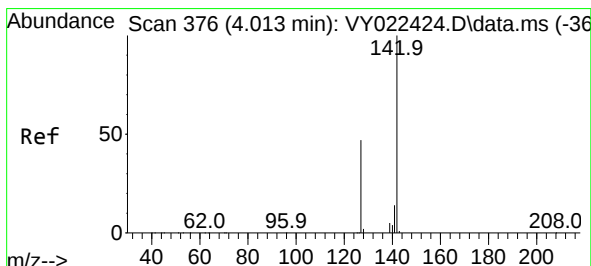
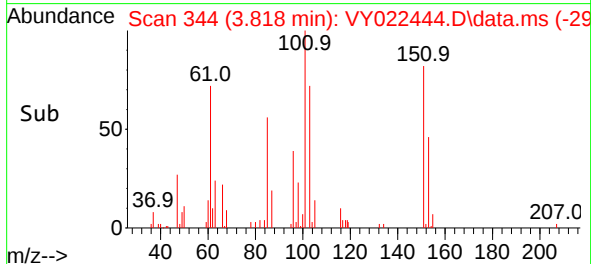
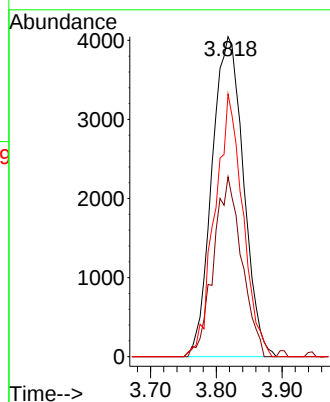
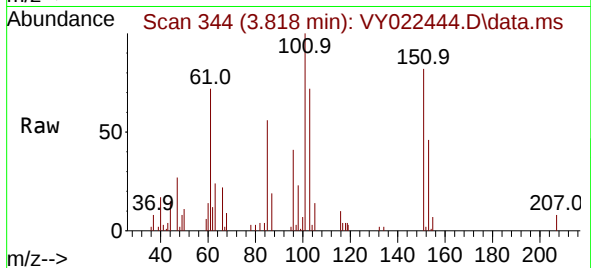




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.877 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY022444.D
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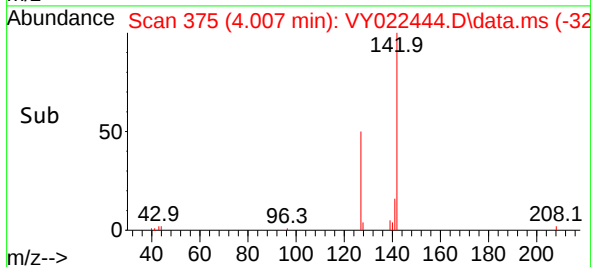
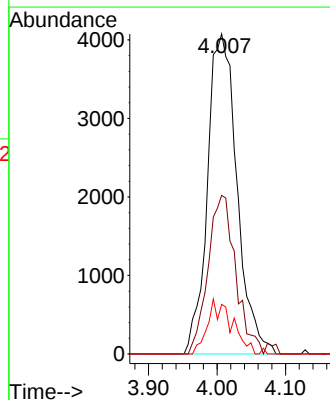
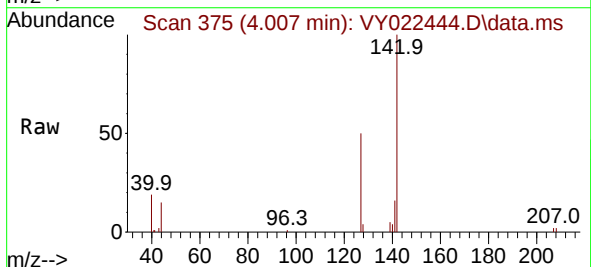
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

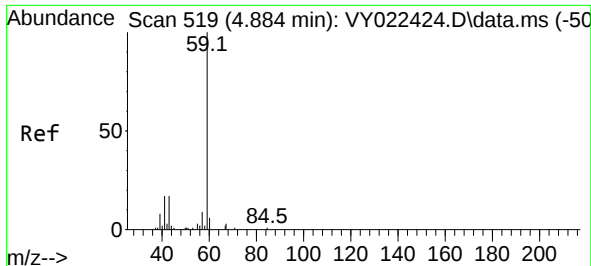
Tgt Ion:	101	Resp:	13487
Ion	Ratio	Lower	Upper
101	100		
85	50.4	39.2	58.8
151	72.7	58.8	88.2



#10
Methyl Iodide
Concen: 4.714 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion:	142	Resp:	12205
Ion	Ratio	Lower	Upper
142	100		
127	46.4	36.2	54.4
141	14.2	11.6	17.4

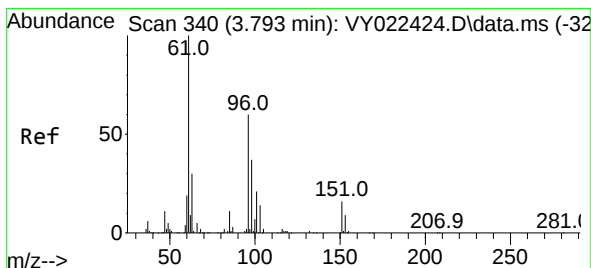
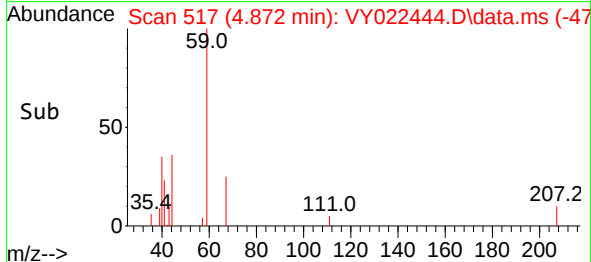
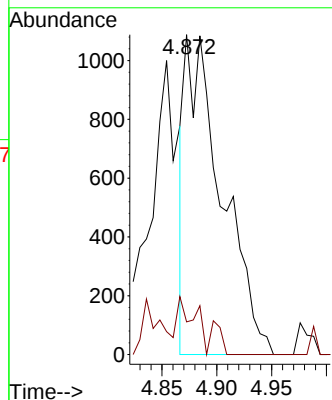
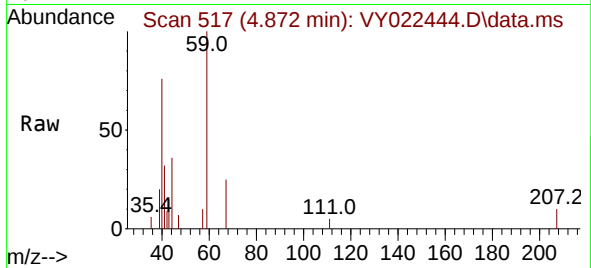




#11
Tert butyl alcohol
Concen: 15.727 ug/l
RT: 4.872 min Scan# 519
Delta R.T. -0.012 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

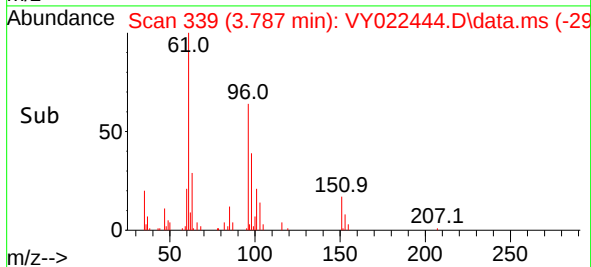
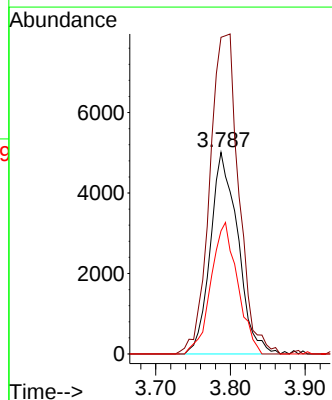
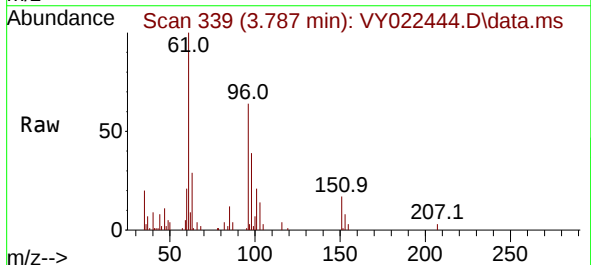
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

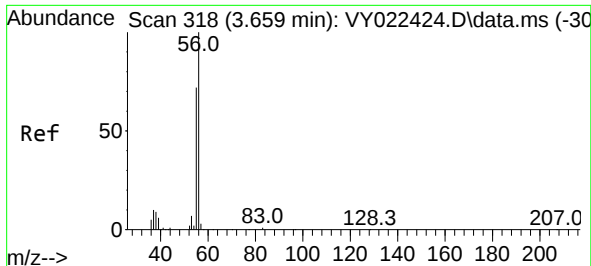
Tgt Ion: 59 Resp: 2539
Ion Ratio Lower Upper
59 100
57 8.5 9.1 13.7#



#12
1,1-Dichloroethene
Concen: 5.626 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion: 96 Resp: 12818
Ion Ratio Lower Upper
96 100
61 157.0 134.1 201.1
98 61.0 50.2 75.2

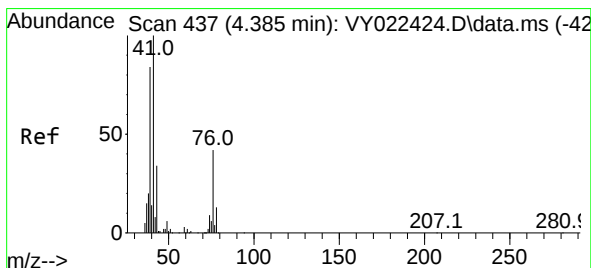
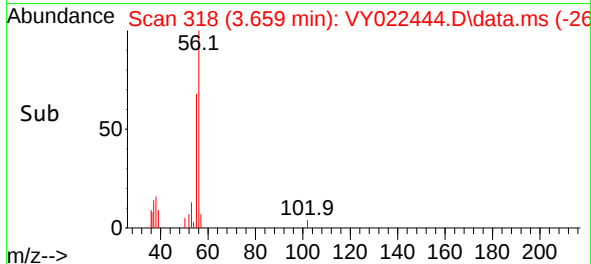
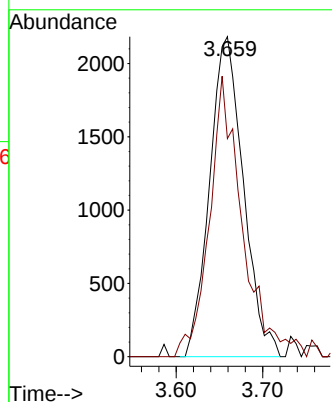
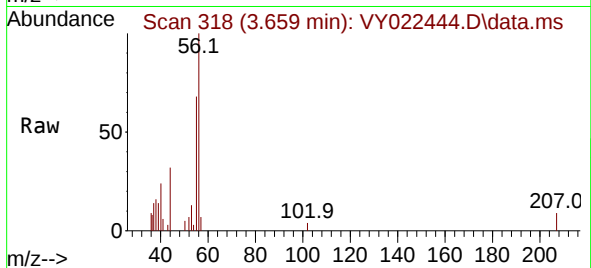




#13
Acrolein
Concen: 24.452 ug/l
RT: 3.659 min Scan# 318
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

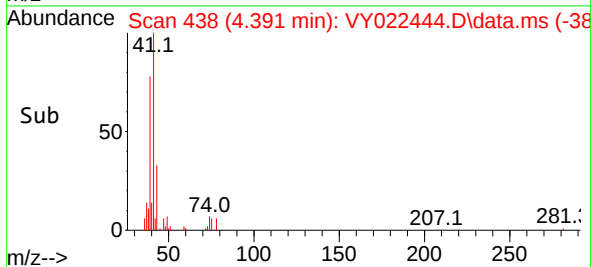
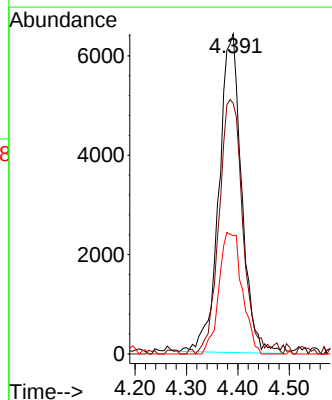
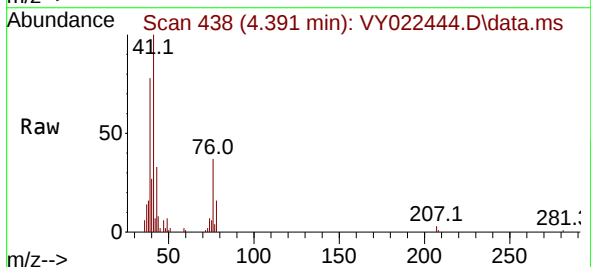
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

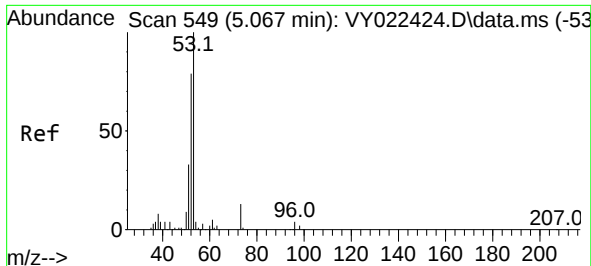
Tgt Ion: 56 Resp: 5915
Ion Ratio Lower Upper
56 100
55 85.2 56.5 84.7#



#14
Allyl chloride
Concen: 5.723 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion: 41 Resp: 19615
Ion Ratio Lower Upper
41 100
39 83.5 66.6 100.0
76 39.1 33.7 50.5

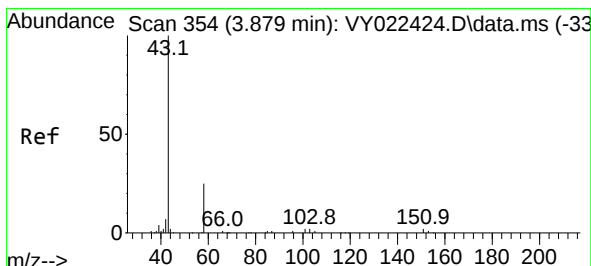
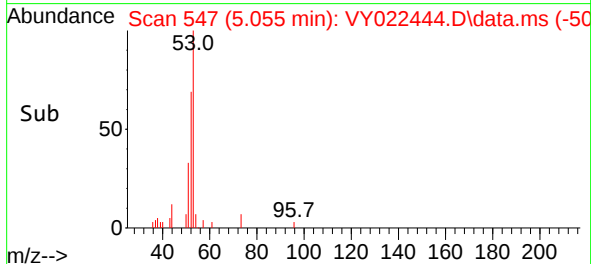
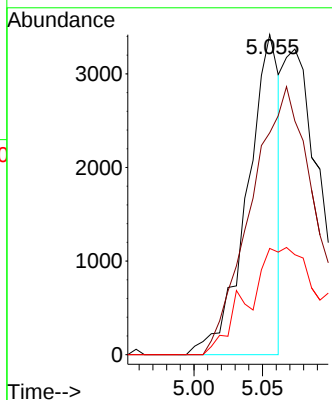
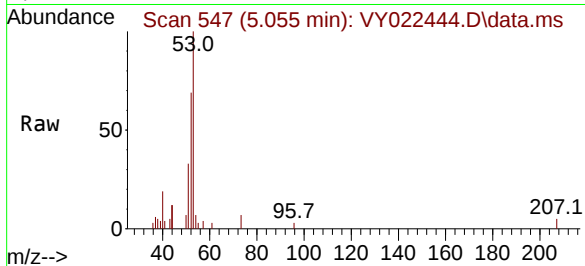




#15
Acrylonitrile
Concen: 11.495 ug/l
RT: 5.055 min Scan# 549
Delta R.T. -0.012 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

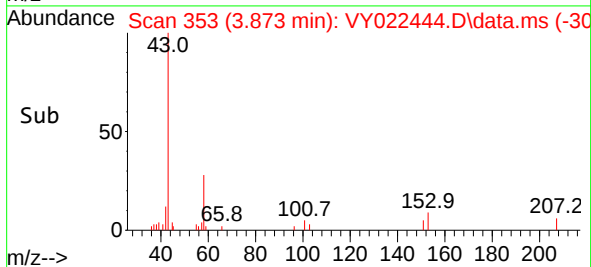
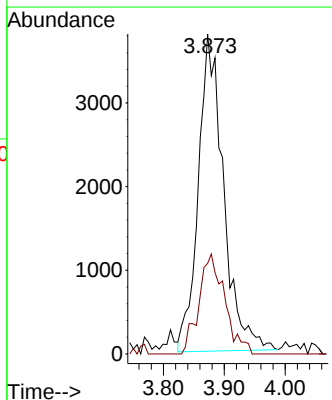
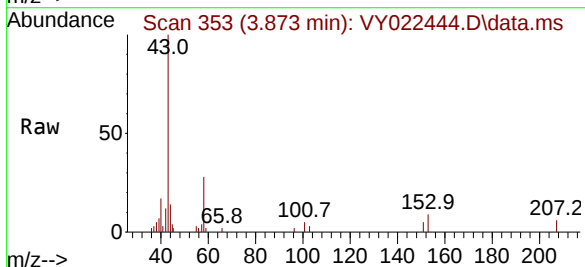
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

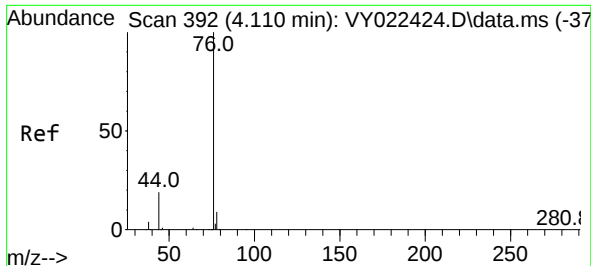
Tgt Ion: 53 Resp: 5588
Ion Ratio Lower Upper
53 100
52 173.8 65.1 97.7#
51 83.1 30.0 45.0#



#16
Acetone
Concen: 28.998 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion: 43 Resp: 10914
Ion Ratio Lower Upper
43 100
58 28.7 20.6 30.8

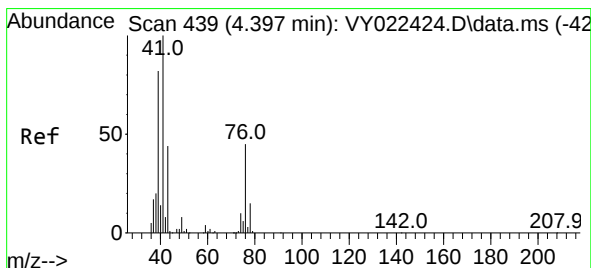
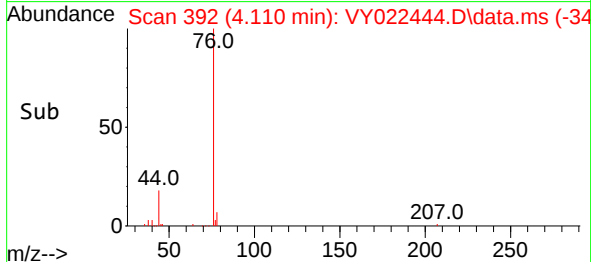
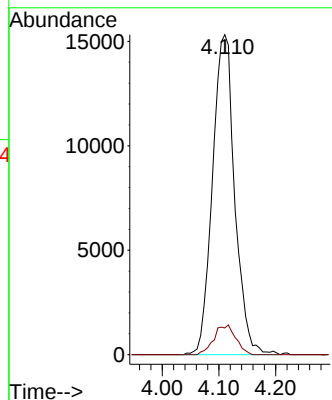
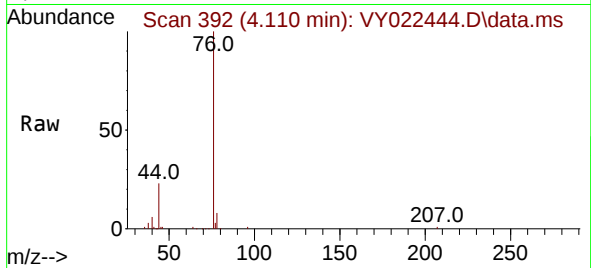




#17
Carbon Disulfide
Concen: 5.745 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

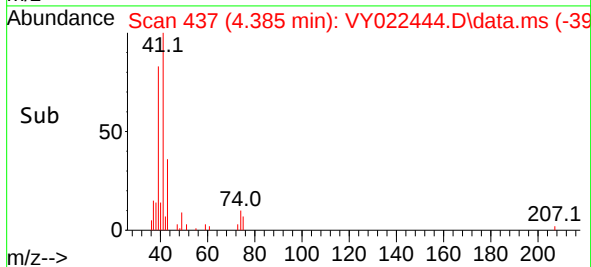
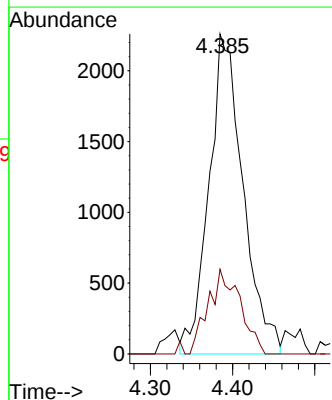
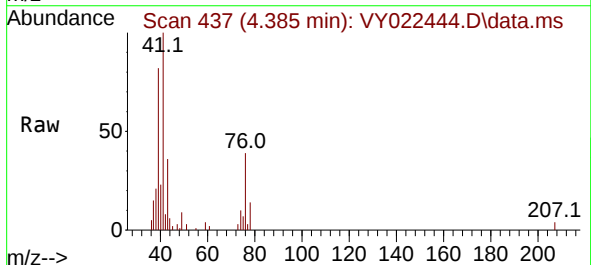
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

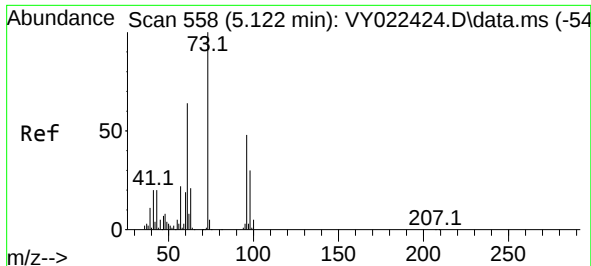
Tgt Ion: 76 Resp: 41767
Ion Ratio Lower Upper
76 100
78 8.3 7.2 10.8



#18
Methyl Acetate
Concen: 4.607 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.012 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion: 43 Resp: 6496
Ion Ratio Lower Upper
43 100
74 24.9 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 5.336 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

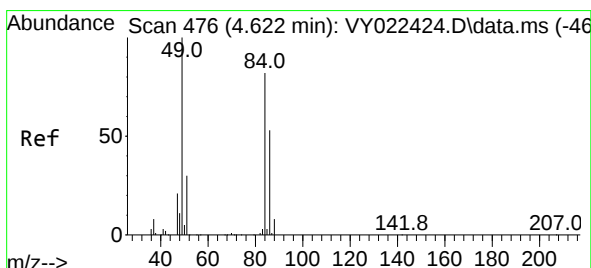
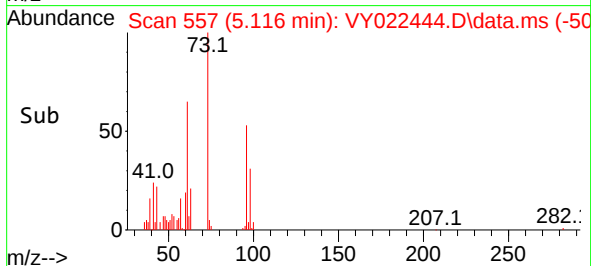
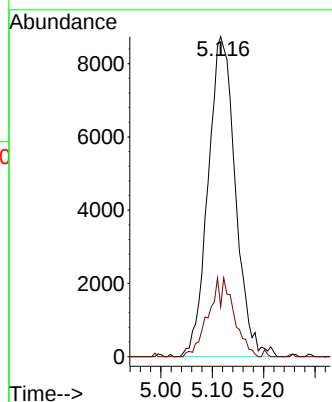
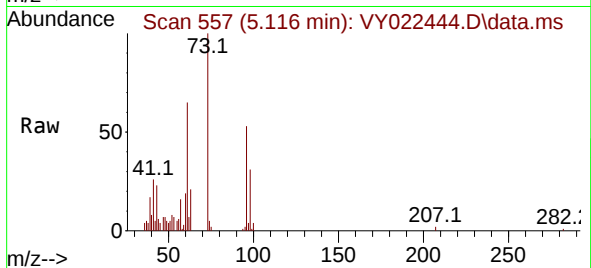
LOQ-SOIL-02-QT2-2025

Tgt Ion: 73 Resp: 32273

Ion Ratio Lower Upper

73 100

57 15.6 17.7 26.5#



#20

Methylene Chloride

Concen: 7.328 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.006 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Tgt Ion: 84 Resp: 19475

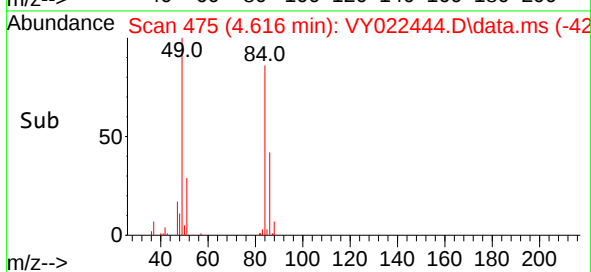
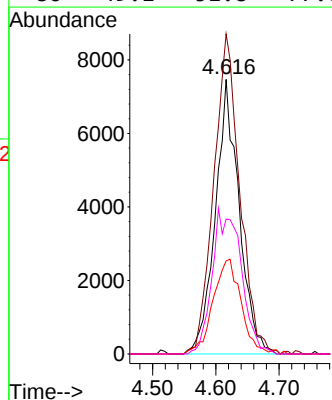
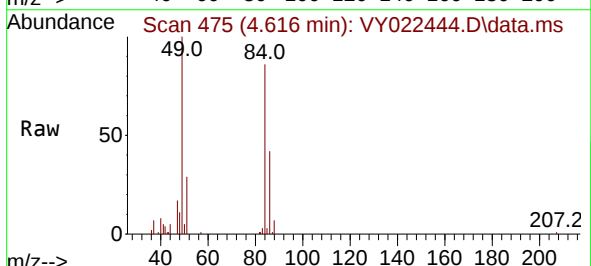
Ion Ratio Lower Upper

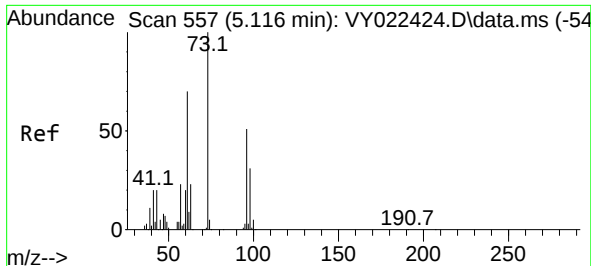
84 100

49 116.5 97.8 146.8

51 33.9 29.5 44.3

86 49.1 51.8 77.6#

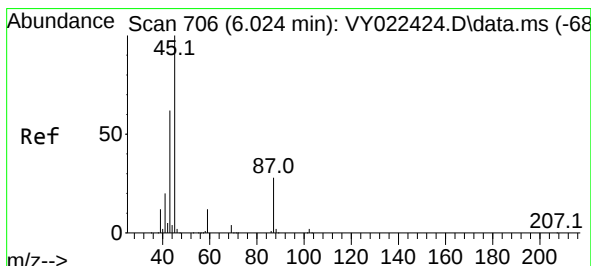
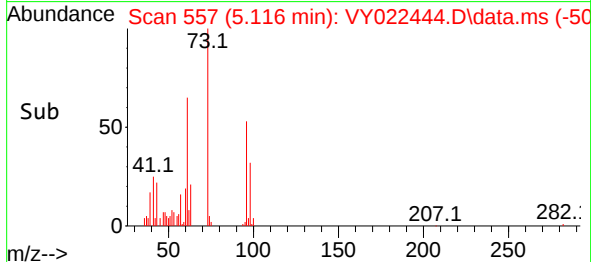
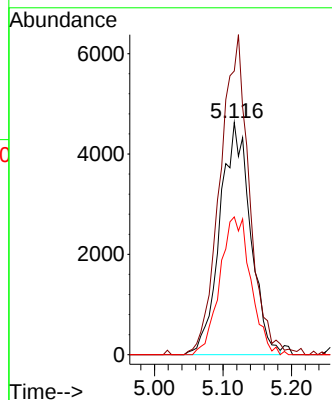
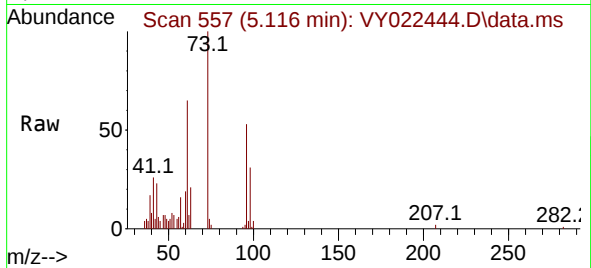




#21
trans-1,2-Dichloroethene
Concen: 5.754 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

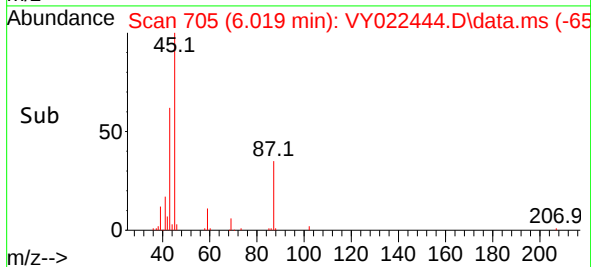
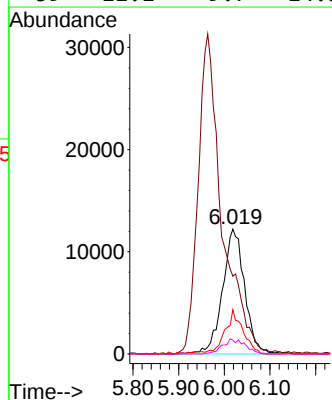
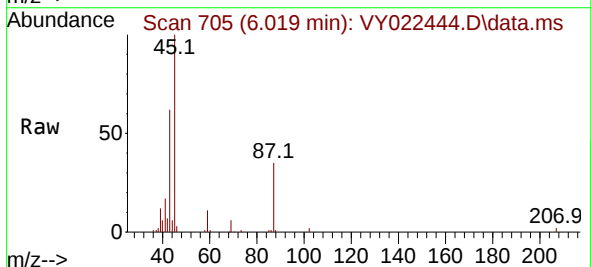
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

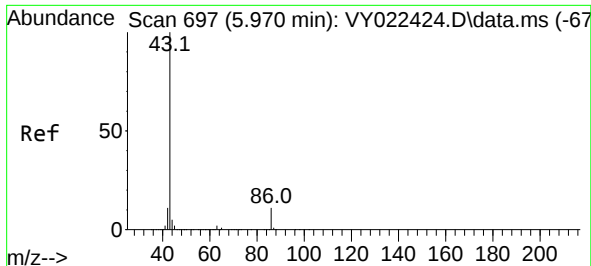
Tgt Ion: 96 Resp: 14311
Ion Ratio Lower Upper
96 100
61 122.2 110.4 165.6
98 59.3 48.6 73.0



#22
Diisopropyl ether
Concen: 5.409 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion: 45 Resp: 40914
Ion Ratio Lower Upper
45 100
43 60.5 49.8 74.8
87 35.4 23.0 34.6#
59 11.1 9.7 14.5

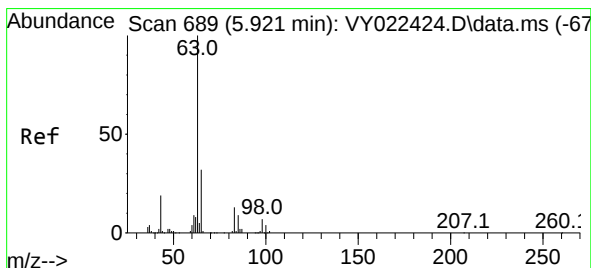
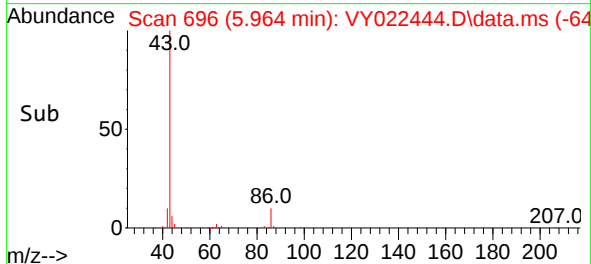
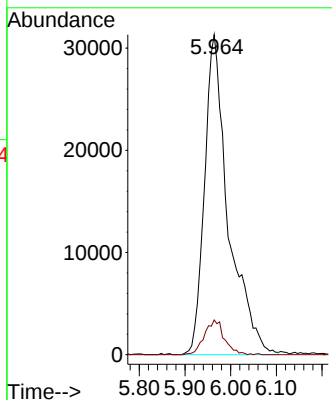
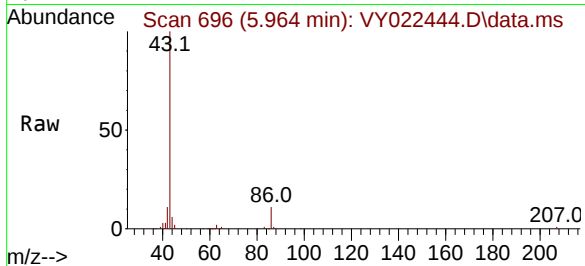




#23
 Vinyl Acetate
 Concen: 26.120 ug/l
 RT: 5.964 min Scan# 696
 Delta R.T. -0.006 min
 Lab File: VY022444.D
 Acq: 28 May 2025 11:40

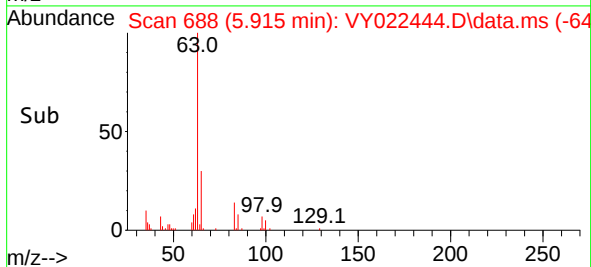
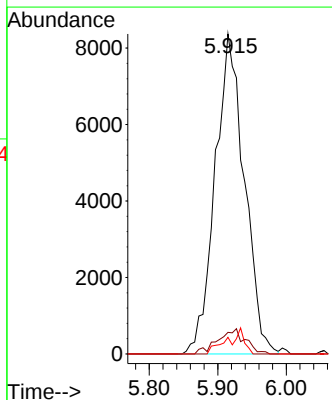
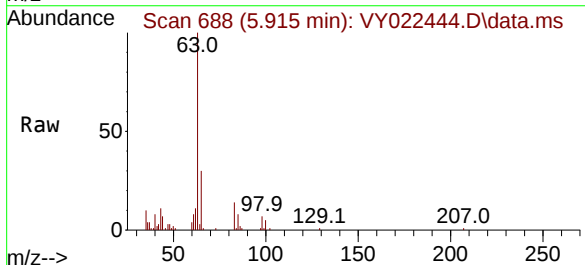
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

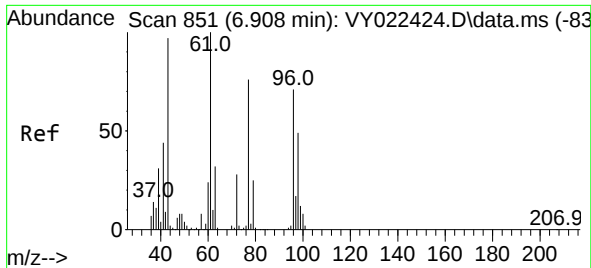
Tgt Ion: 43 Resp: 113437
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.8 13.2



#24
 1,1-Dichloroethane
 Concen: 5.557 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. -0.006 min
 Lab File: VY022444.D
 Acq: 28 May 2025 11:40

Tgt Ion: 63 Resp: 24838
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.5 10.5
 100 5.2 2.1 6.5

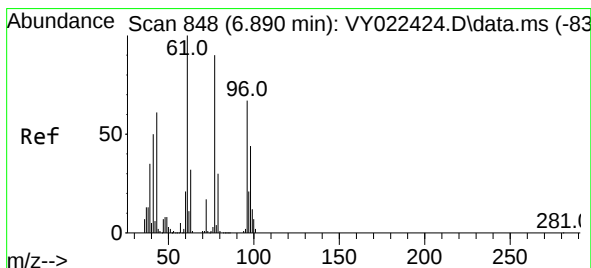
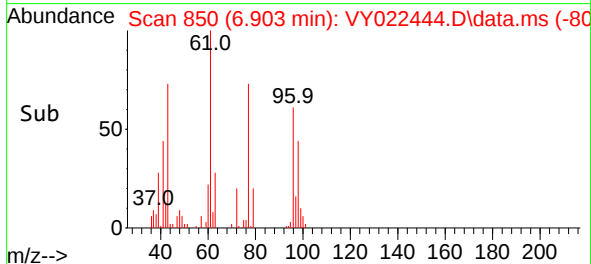
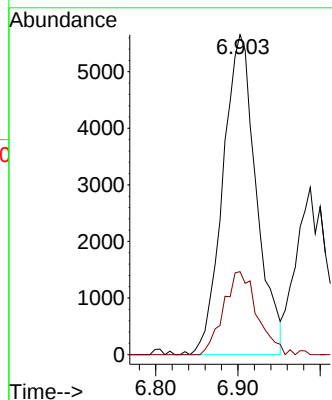
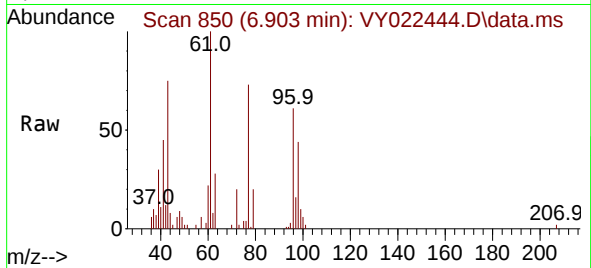




#25
2-Butanone
Concen: 25.451 ug/l
RT: 6.903 min Scan# 851
Delta R.T. -0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

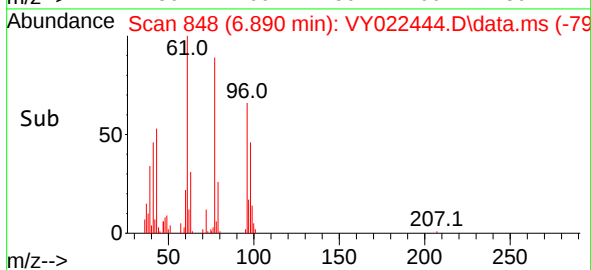
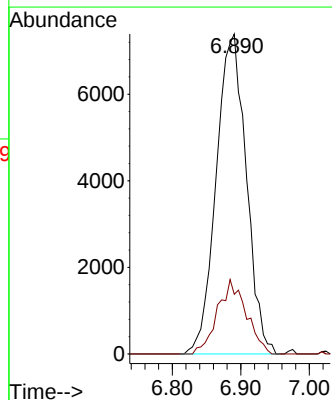
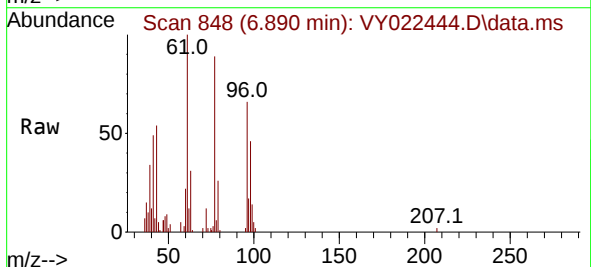
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

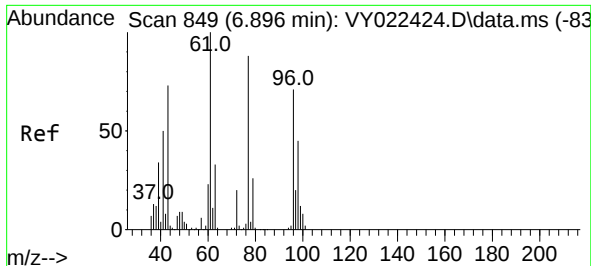
Tgt Ion: 43 Resp: 15953
Ion Ratio Lower Upper
43 100
72 26.0 22.8 34.2



#26
2,2-Dichloropropane
Concen: 5.557 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion: 77 Resp: 22491
Ion Ratio Lower Upper
77 100
97 22.3 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 5.515 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2025

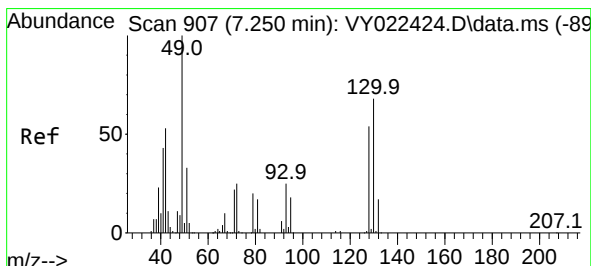
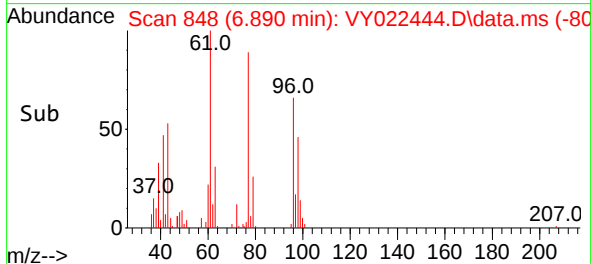
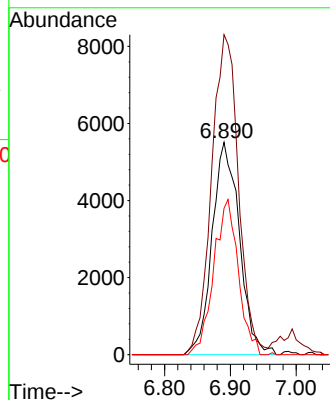
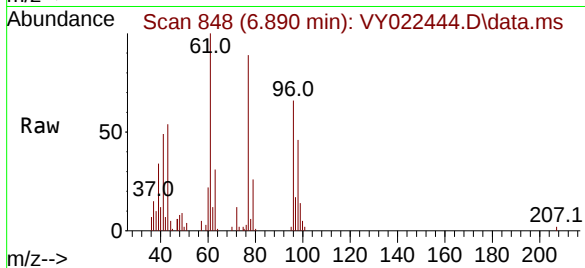
Tgt Ion: 96 Resp: 15880

Ion Ratio Lower Upper

96 100

61 148.9 0.0 292.0

98 65.9 0.0 131.0



#28

Bromochloromethane

Concen: 5.270 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

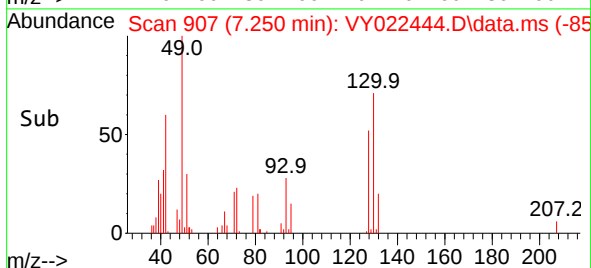
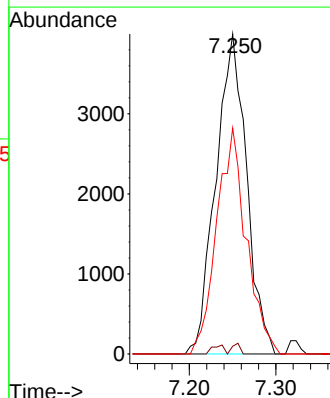
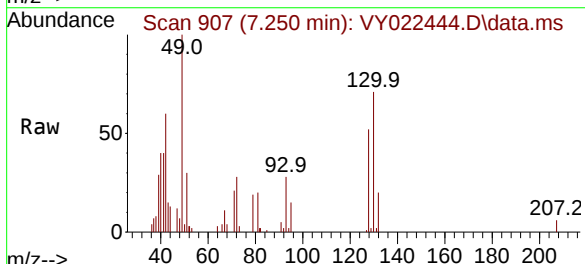
Tgt Ion: 49 Resp: 9836

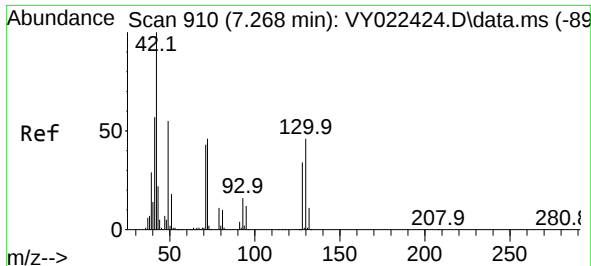
Ion Ratio Lower Upper

49 100

129 0.8 0.0 4.0

130 68.0 56.9 85.3

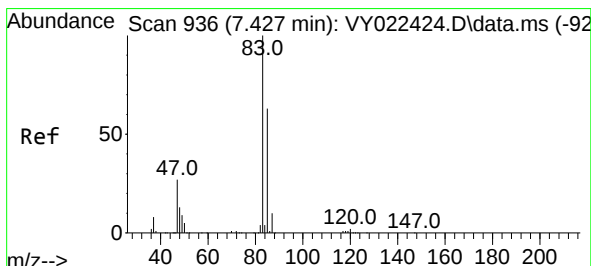
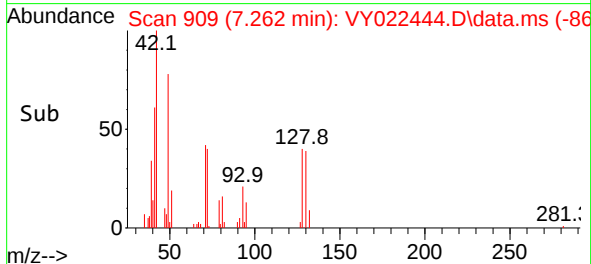
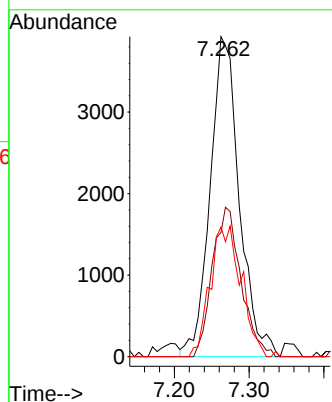
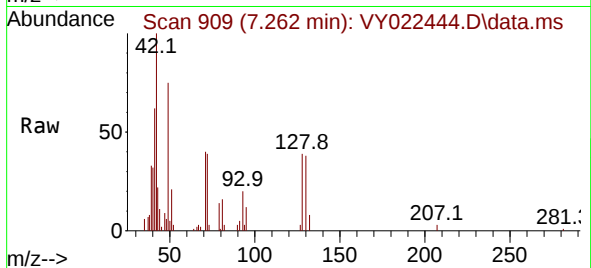




#29
Tetrahydrofuran
Concen: 25.500 ug/l
RT: 7.262 min Scan# 909
Delta R.T. -0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

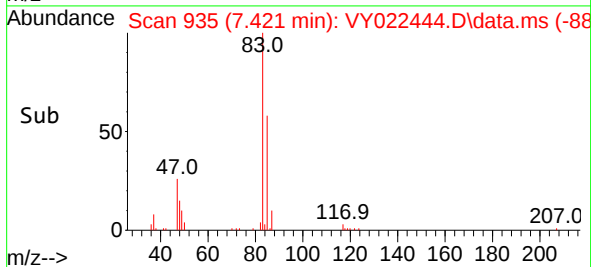
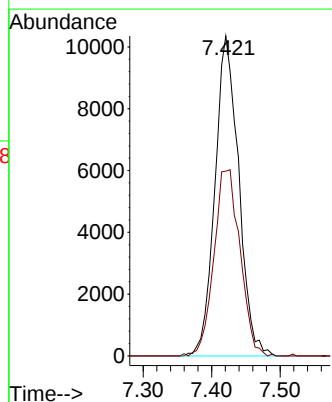
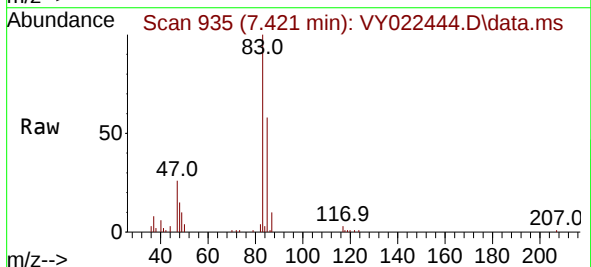
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

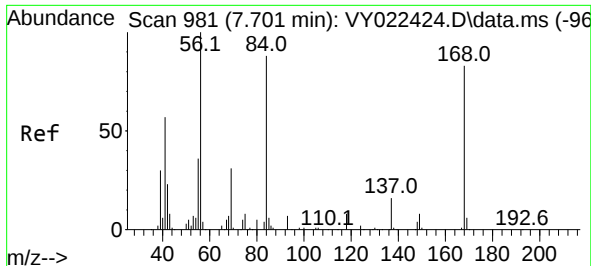
Tgt Ion: 42 Resp: 10660
Ion Ratio Lower Upper
42 100
72 45.9 37.7 56.5
71 43.3 34.7 52.1



#30
Chloroform
Concen: 5.648 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion: 83 Resp: 24872
Ion Ratio Lower Upper
83 100
85 57.8 50.1 75.1

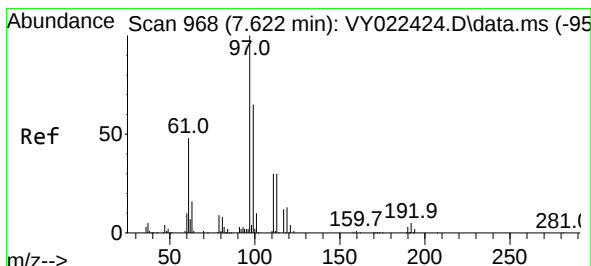
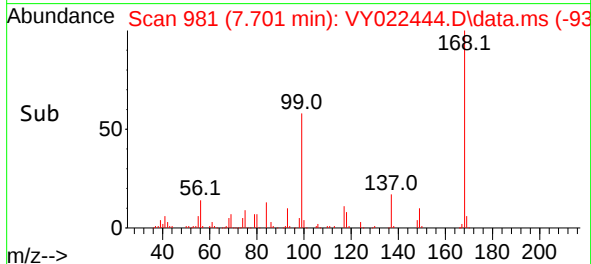
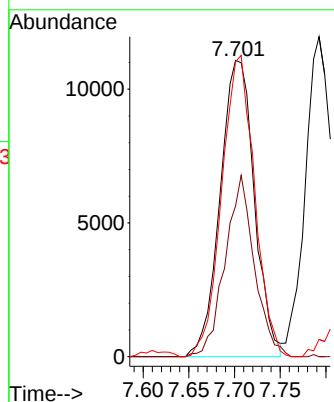
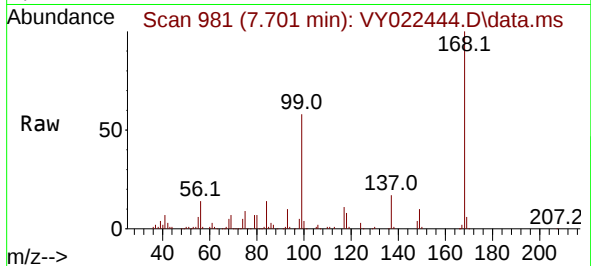




#31
Cyclohexane
Concen: 6.540 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

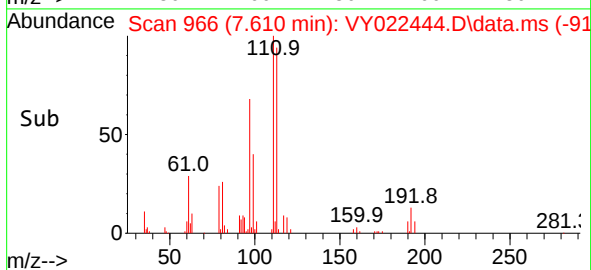
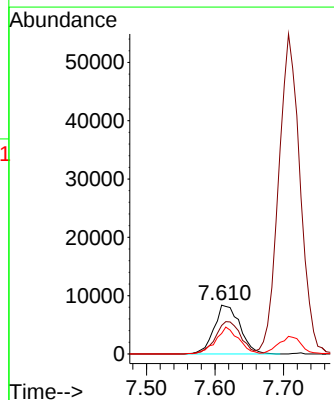
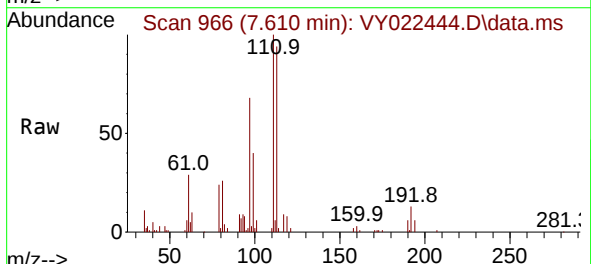
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

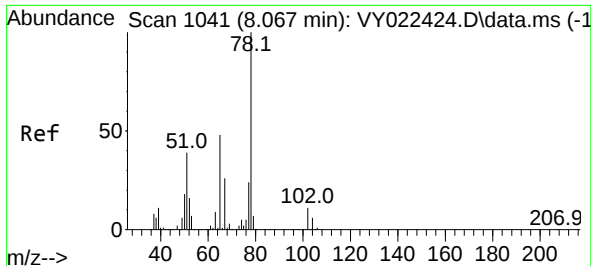
Tgt Ion: 56 Resp: 28815
Ion Ratio Lower Upper
56 100
69 50.9 24.6 36.8#
84 99.5 70.4 105.6



#32
1,1,1-Trichloroethane
Concen: 5.484 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.012 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion: 97 Resp: 21920
Ion Ratio Lower Upper
97 100
99 64.8 51.3 76.9
61 48.7 37.3 55.9





#33

1,2-Dichloroethane-d4

Concen: 50.148 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.006 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

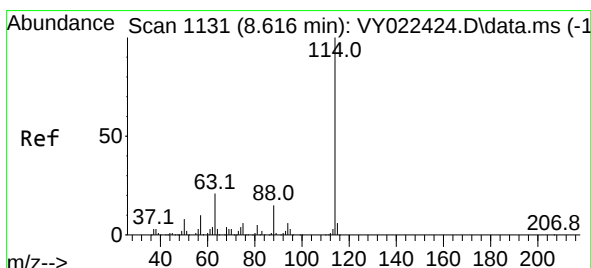
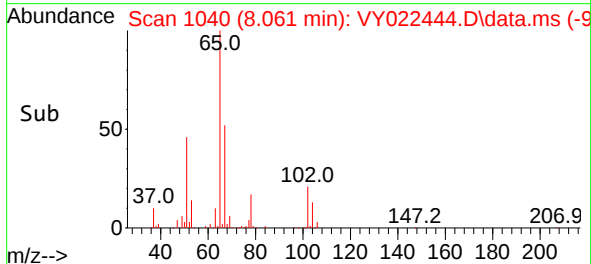
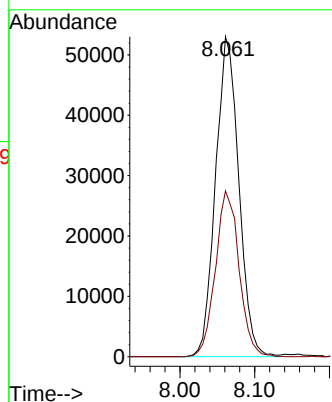
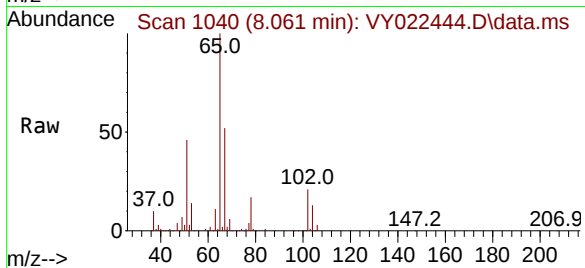
LOQ-SOIL-02-QT2-2025

Tgt Ion: 65 Resp: 114860

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

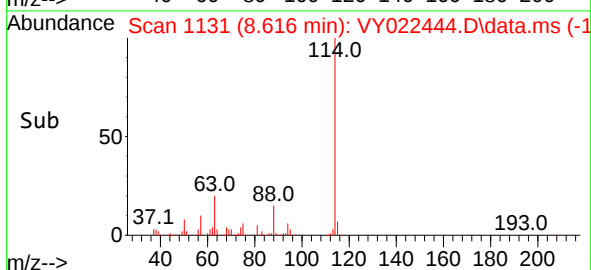
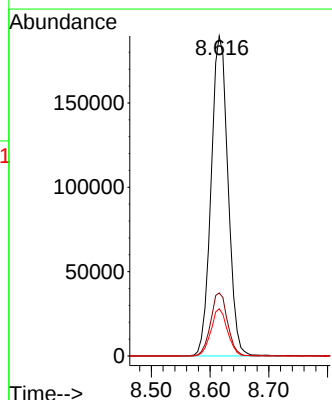
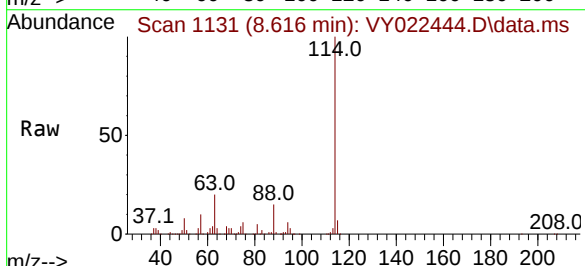
Tgt Ion: 114 Resp: 377951

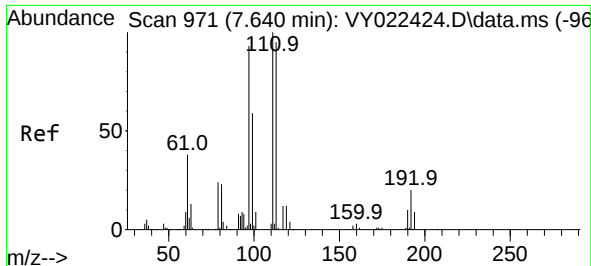
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

88 14.7 0.0 29.4





#35

Dibromofluoromethane

Concen: 49.148 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2025

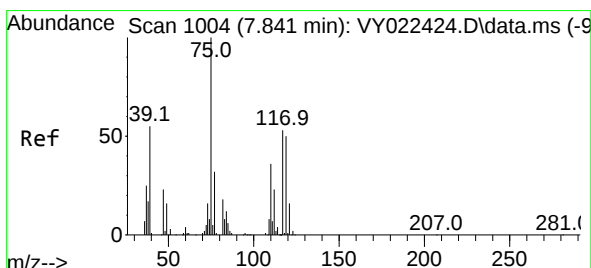
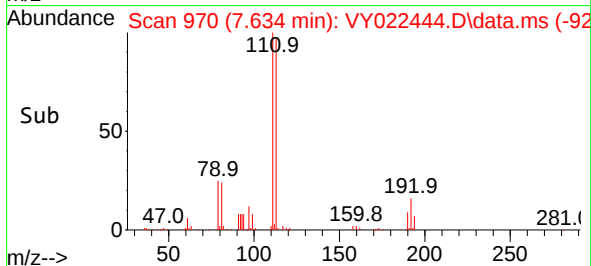
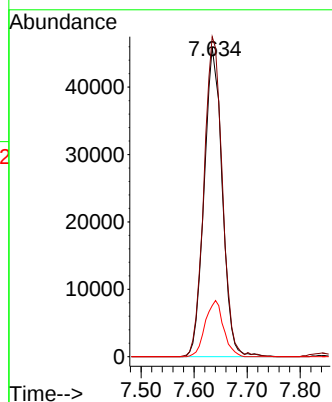
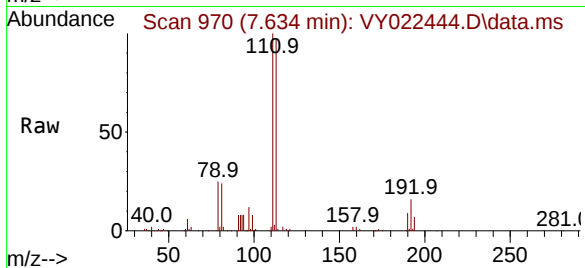
Tgt Ion:113 Resp: 108785

Ion Ratio Lower Upper

113 100

111 104.9 82.4 123.6

192 18.4 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.506 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

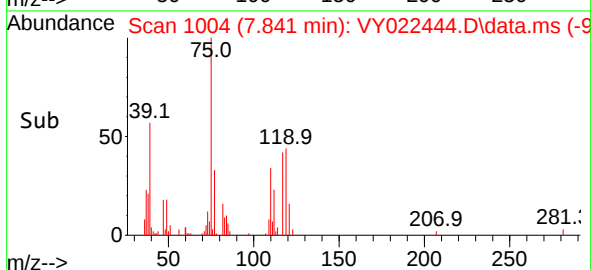
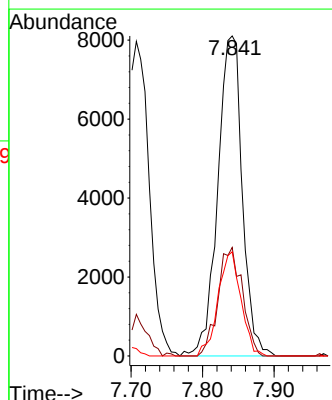
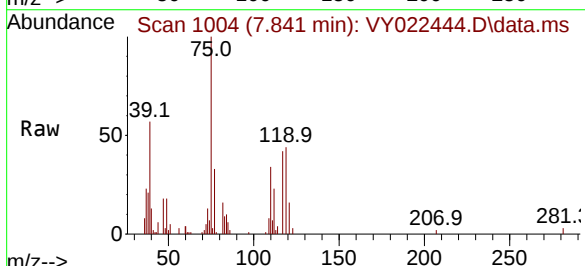
Tgt Ion: 75 Resp: 19339

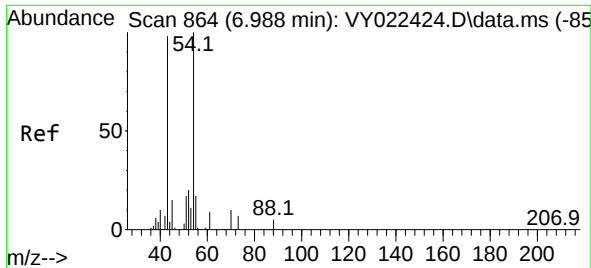
Ion Ratio Lower Upper

75 100

110 33.7 17.1 51.2

77 30.4 25.1 37.7

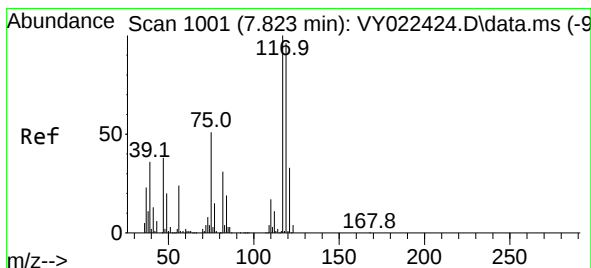
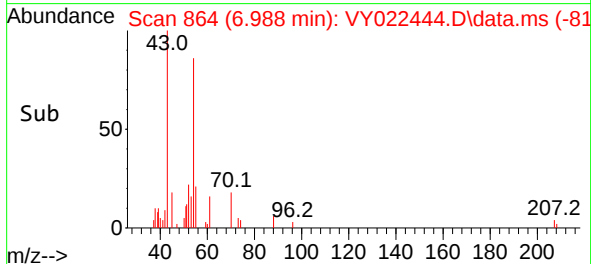
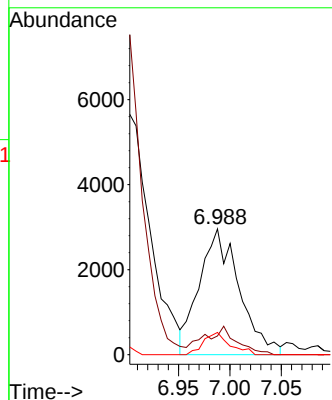
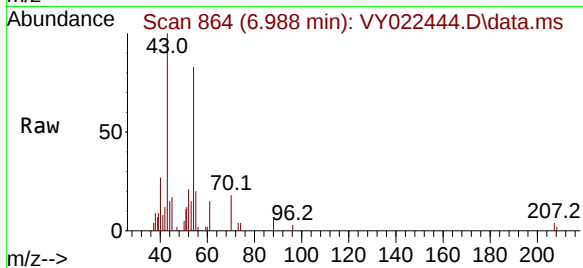




#37
Ethyl Acetate
Concen: 5.352 ug/l
RT: 6.988 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

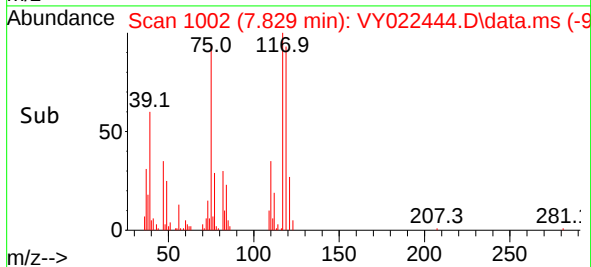
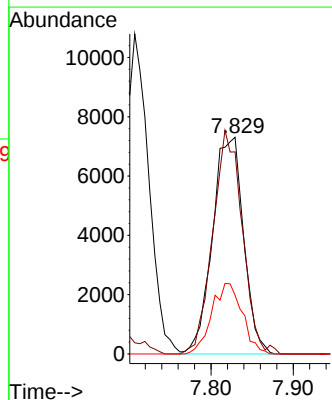
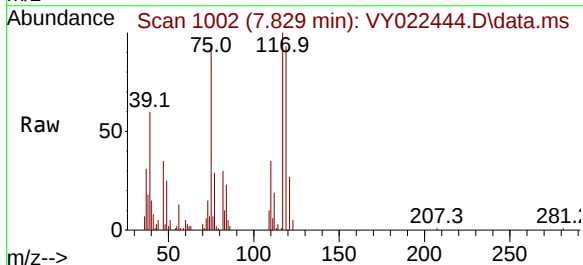
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

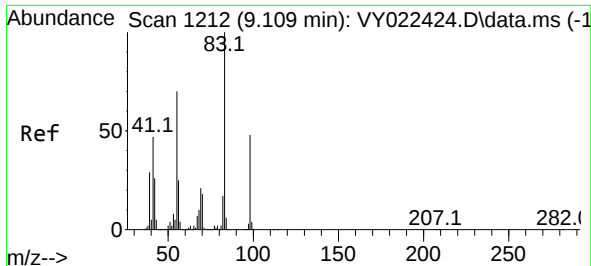
Tgt Ion: 43 Resp: 7989
Ion Ratio Lower Upper
43 100
61 18.2 11.7 17.5#
70 11.6 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 5.265 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion: 117 Resp: 19265
Ion Ratio Lower Upper
117 100
119 93.3 76.3 114.5
121 27.1 26.1 39.1

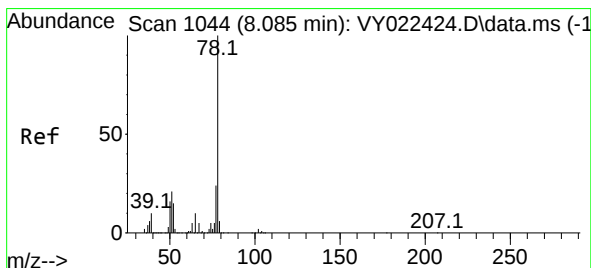
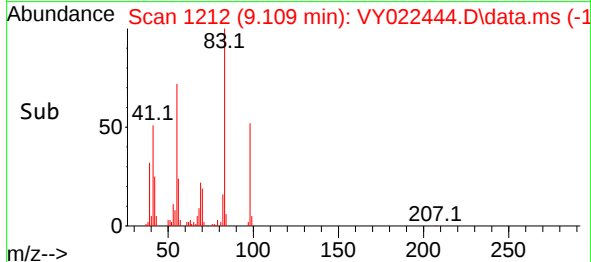
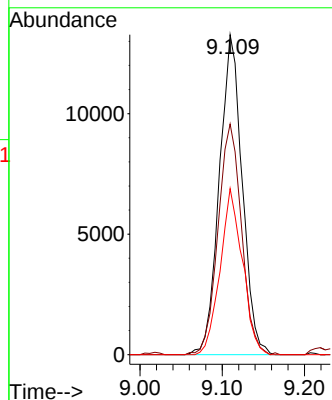
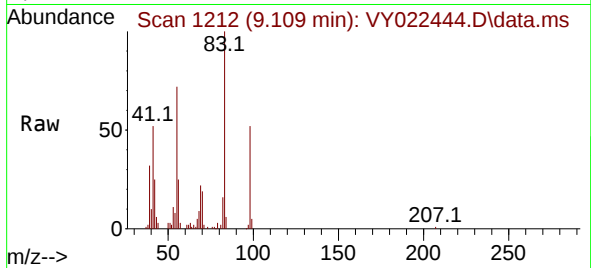




#39
Methylcyclohexane
Concen: 5.493 ug/l
RT: 9.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

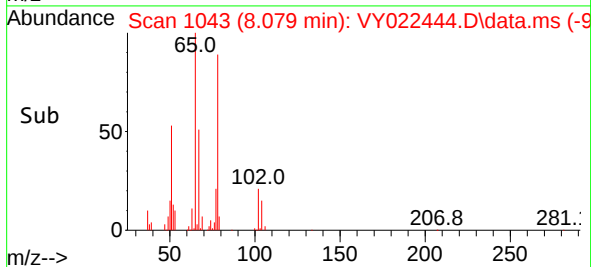
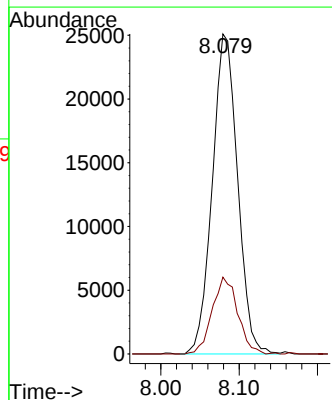
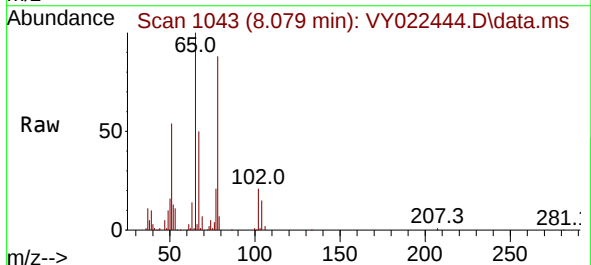
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

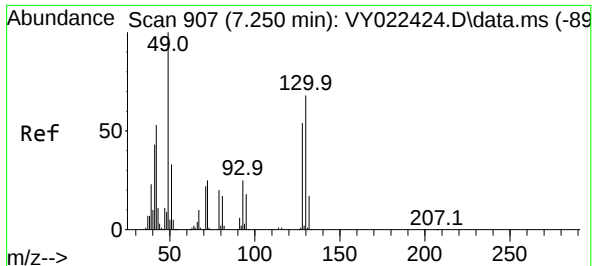
Tgt Ion: 83 Resp: 25646
Ion Ratio Lower Upper
83 100
55 72.1 56.2 84.2
98 51.9 38.4 57.6



#40
Benzene
Concen: 5.389 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion: 78 Resp: 56318
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.2

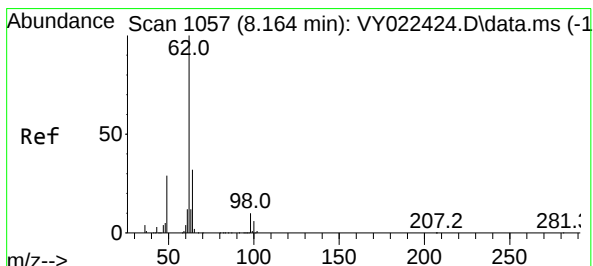
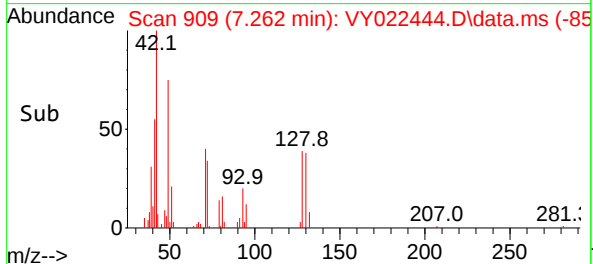
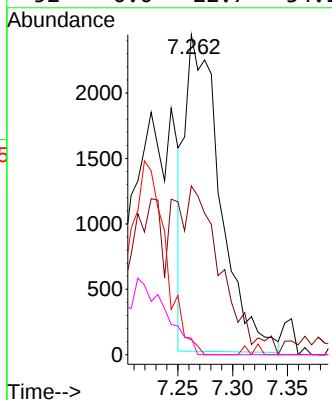
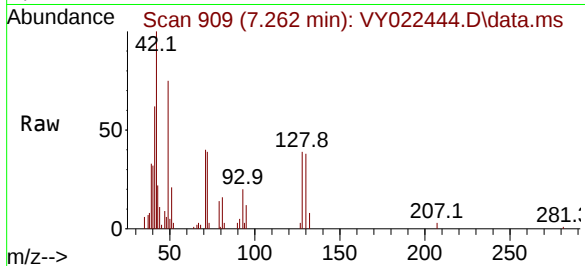




#41
Methacrylonitrile
Concen: 5.969 ug/l
RT: 7.262 min Scan# 907
Delta R.T. 0.012 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

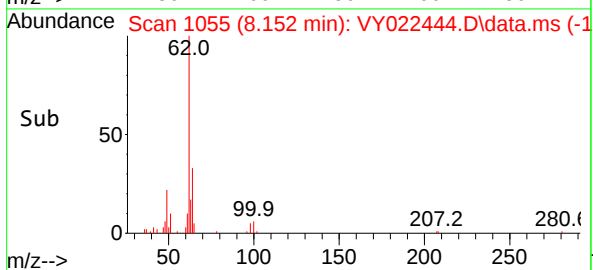
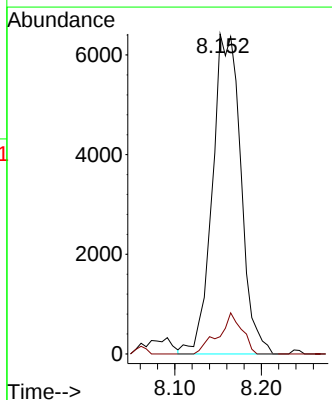
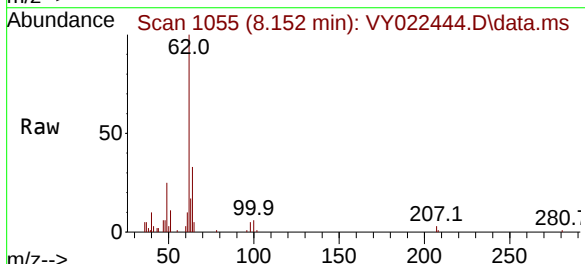
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

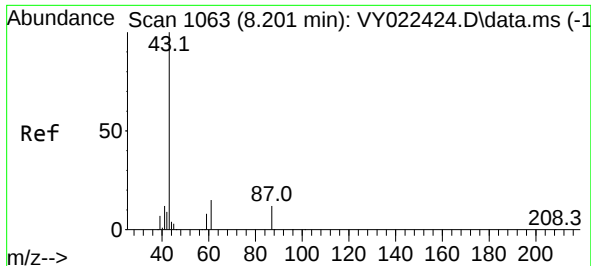
Tgt Ion	41	Resp	5408
Ion	Ratio	Lower	Upper
41	100		
39	10.4	40.4	60.6#
67	0.0	53.0	79.4#
52	0.0	22.7	34.1#



#42
1,2-Dichloroethane
Concen: 5.306 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.012 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion	62	Resp	14647
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	18.4

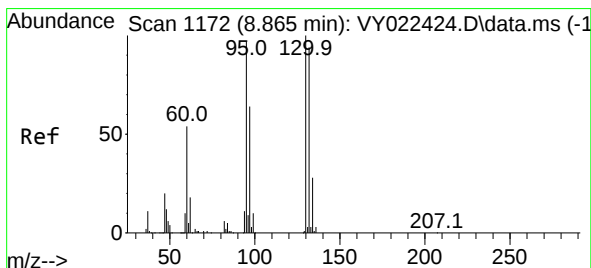
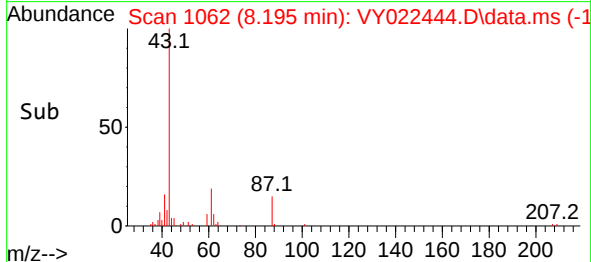
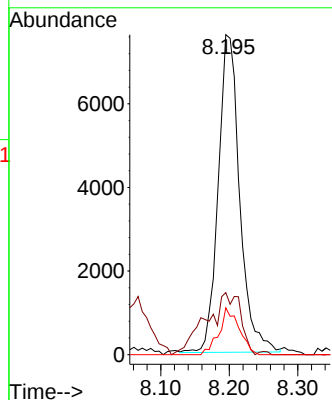
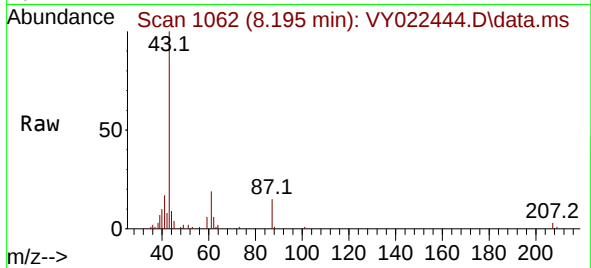




#43
Isopropyl Acetate
Concen: 5.065 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

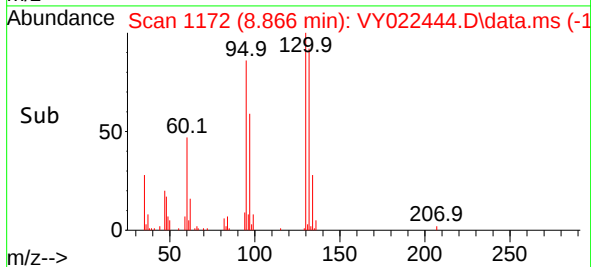
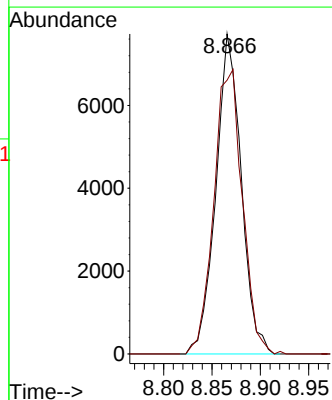
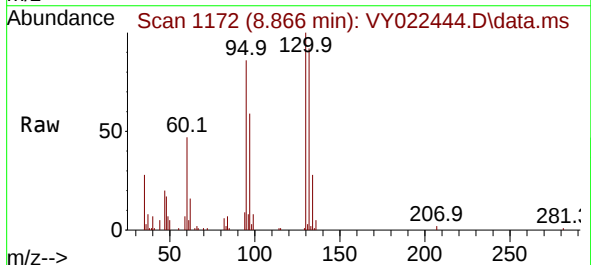
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

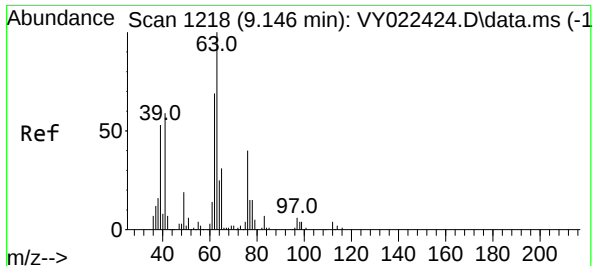
Tgt Ion: 43 Resp: 16520
Ion Ratio Lower Upper
43 100
61 17.8 15.4 23.0
87 13.8 10.6 15.8



#44
Trichloroethene
Concen: 5.452 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion:130 Resp: 14085
Ion Ratio Lower Upper
130 100
95 85.6 0.0 194.8





#45

1,2-Dichloropropane

Concen: 5.366 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

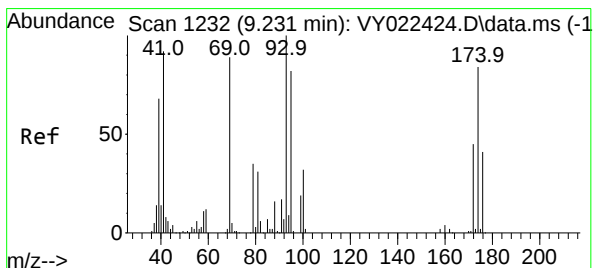
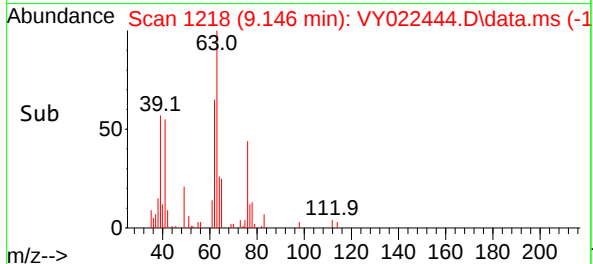
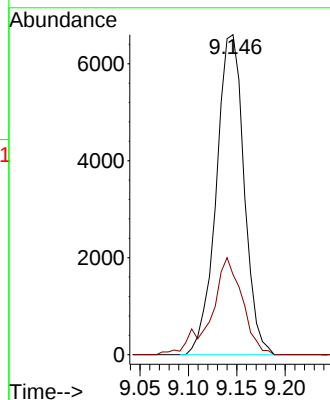
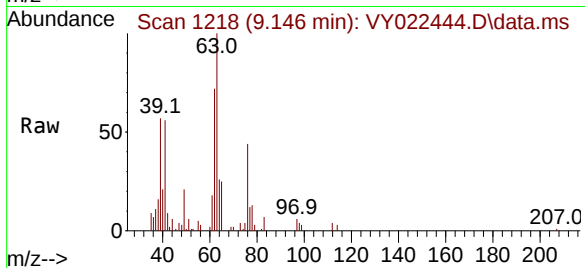
LOQ-SOIL-02-QT2-2025

Tgt Ion: 63 Resp: 13177

Ion Ratio Lower Upper

63 100

65 25.0 25.1 37.7#



#46

Dibromomethane

Concen: 4.970 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

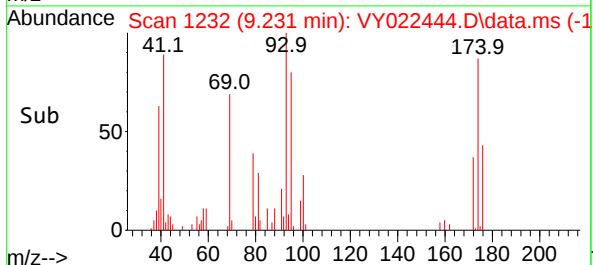
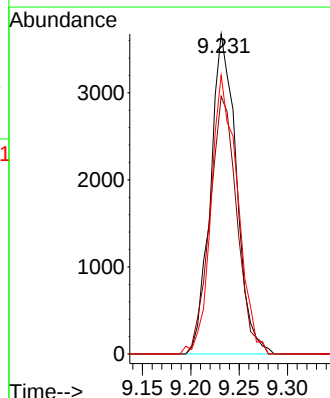
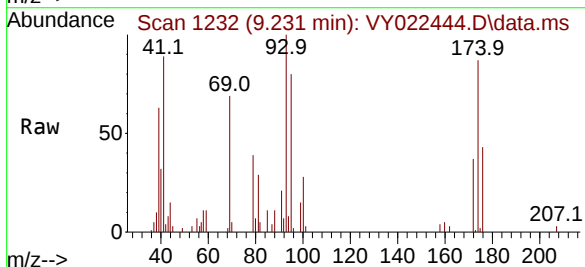
Tgt Ion: 93 Resp: 6817

Ion Ratio Lower Upper

93 100

95 84.2 66.2 99.2

174 89.1 71.1 106.7

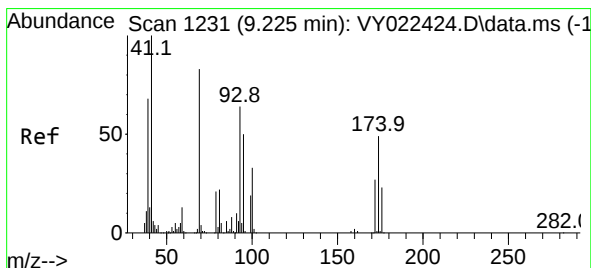
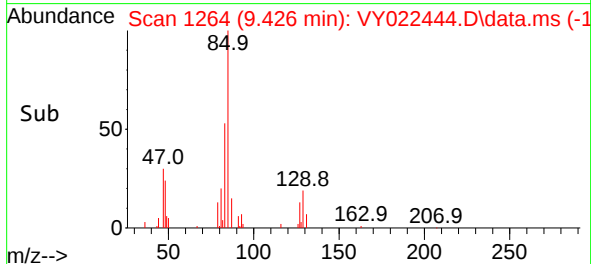
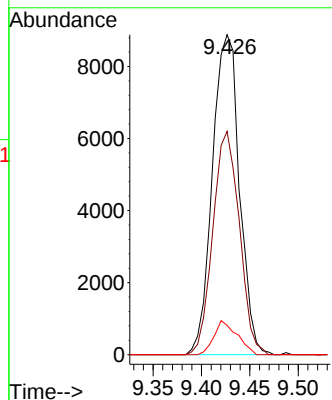
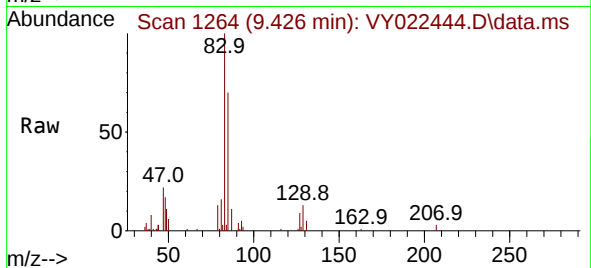




#47
Bromodichloromethane
Concen: 4.899 ug/l
RT: 9.426 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

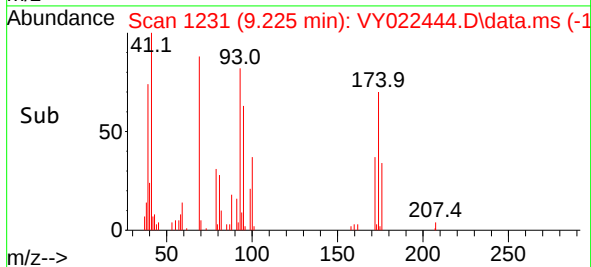
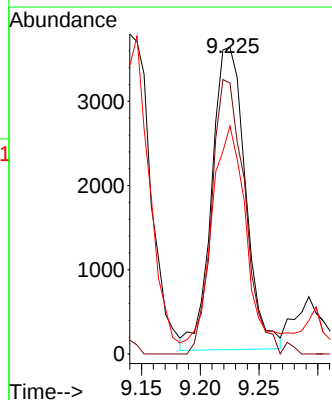
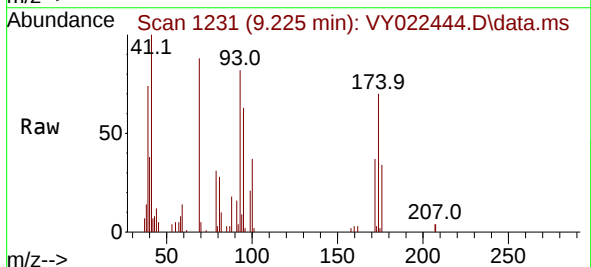
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2025

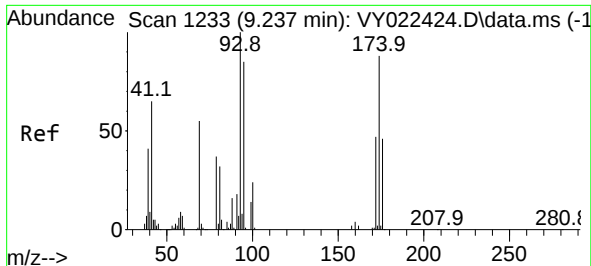
Tgt Ion: 83	Resp: 17281
Ion Ratio	Lower Upper
83 100	
85 69.8	49.8 74.6
127 9.2	6.6 9.8



#48
Methyl methacrylate
Concen: 4.730 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion: 41	Resp: 7161
Ion Ratio	Lower Upper
41 100	
69 89.8	70.3 105.5
39 71.1	55.4 83.0





#49

1,4-Dioxane

Concen: 99.927 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2025

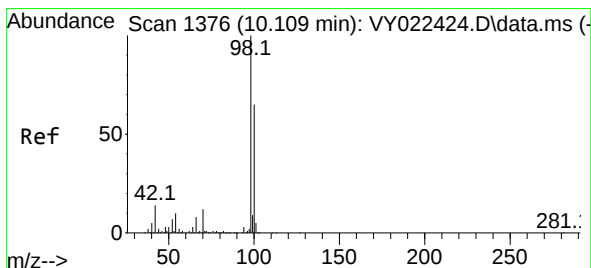
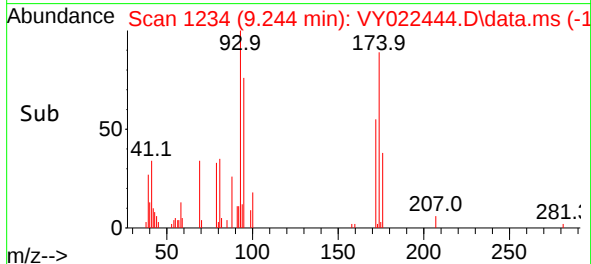
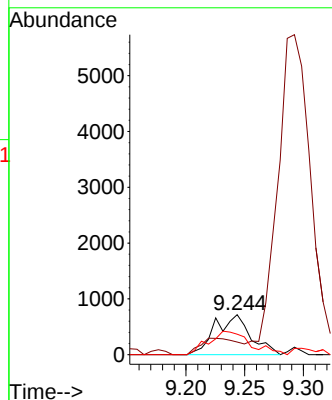
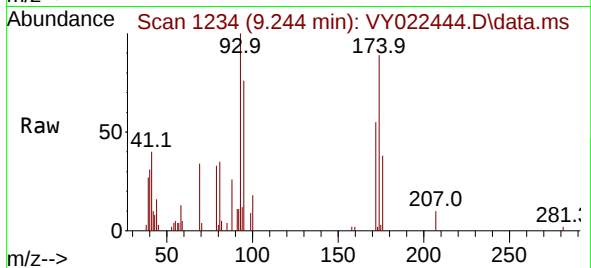
Tgt Ion: 88 Resp: 1514

Ion Ratio Lower Upper

88 100

43 0.0 26.9 40.3#

58 67.9 55.8 83.6



#50

Toluene-d8

Concen: 49.491 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY022444.D

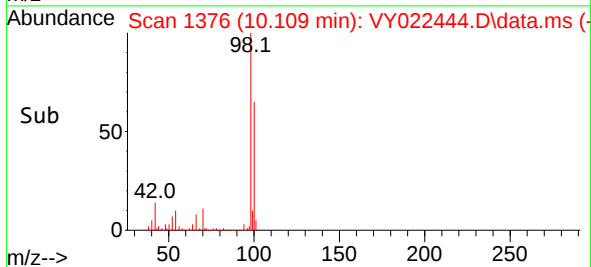
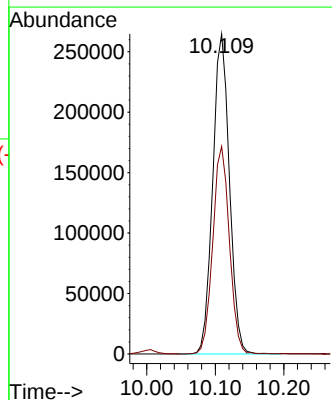
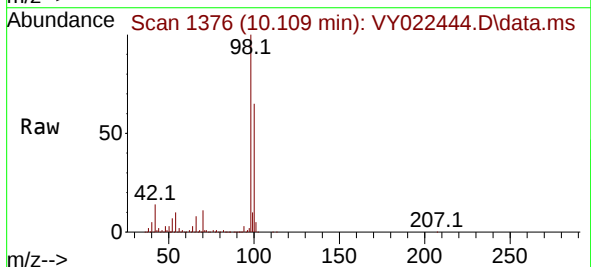
Acq: 28 May 2025 11:40

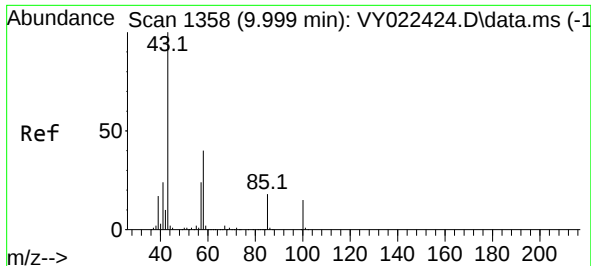
Tgt Ion: 98 Resp: 446562

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 22.646 ug/l

RT: 10.000 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

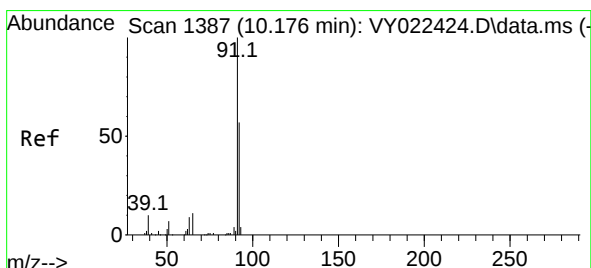
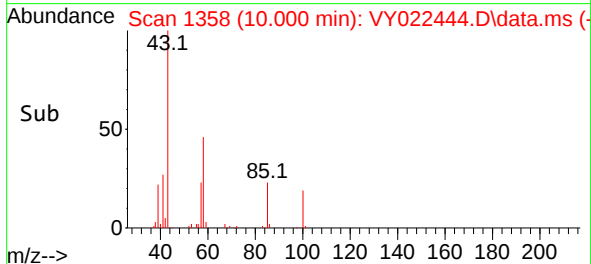
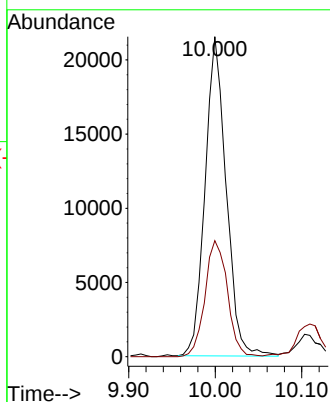
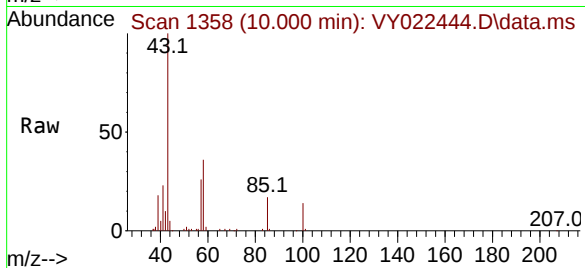
LOQ-SOIL-02-QT2-2025

Tgt Ion: 43 Resp: 36445

Ion Ratio Lower Upper

43 100

58 38.6 31.2 46.8



#52

Toluene

Concen: 5.230 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. -0.006 min

Lab File: VY022444.D

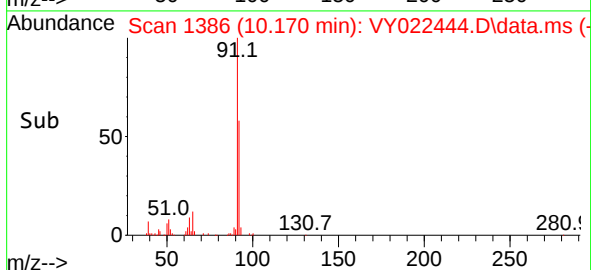
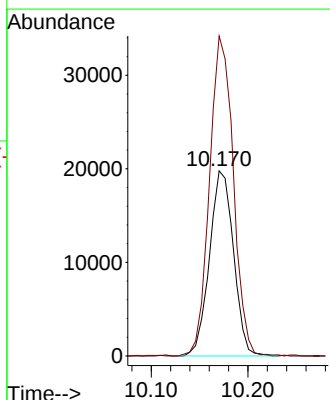
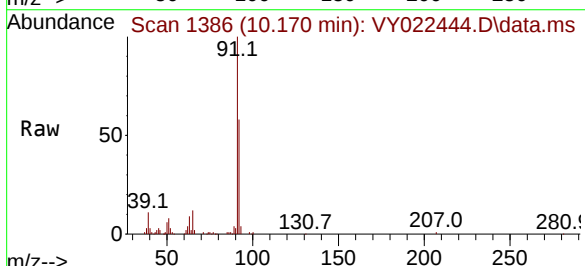
Acq: 28 May 2025 11:40

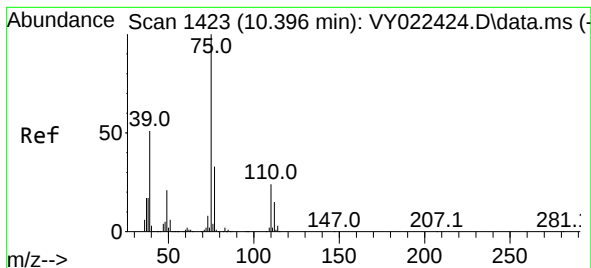
Tgt Ion: 92 Resp: 34138

Ion Ratio Lower Upper

92 100

91 171.4 139.8 209.6

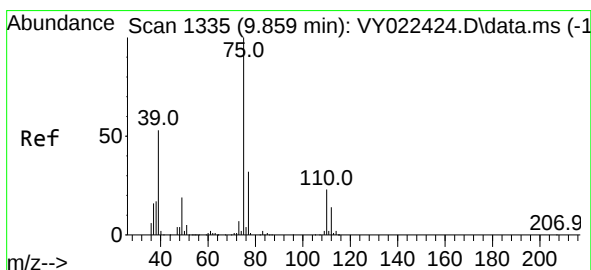
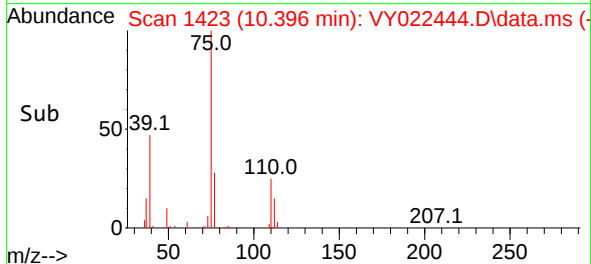
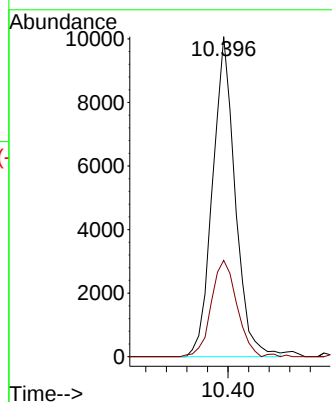
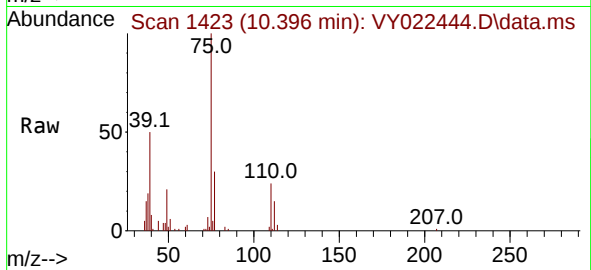




#53
 t-1,3-Dichloropropene
 Concen: 4.685 ug/l
 RT: 10.396 min Scan# 1423
 Delta R.T. 0.000 min
 Lab File: VY022444.D
 Acq: 28 May 2025 11:40

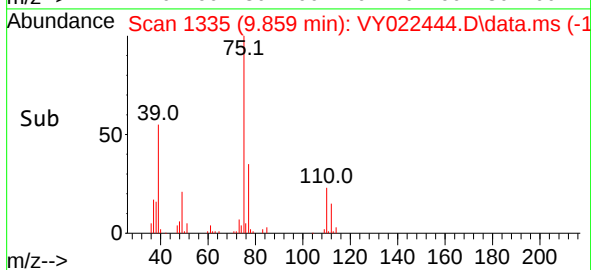
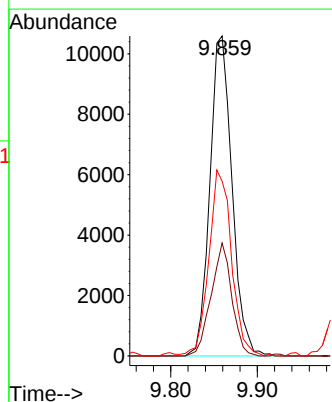
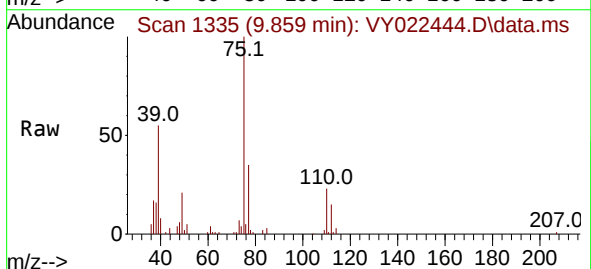
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

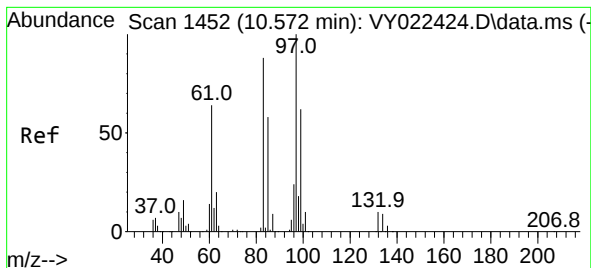
Tgt Ion: 75 Resp: 15395
 Ion Ratio Lower Upper
 75 100
 77 30.1 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 4.875 ug/l
 RT: 9.859 min Scan# 1335
 Delta R.T. 0.000 min
 Lab File: VY022444.D
 Acq: 28 May 2025 11:40

Tgt Ion: 75 Resp: 18822
 Ion Ratio Lower Upper
 75 100
 77 35.3 25.4 38.2
 39 54.6 42.5 63.7





#55

1,1,2-Trichloroethane

Concen: 5.124 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion: 97 Resp: 8886

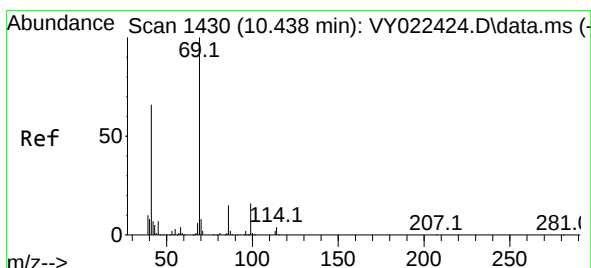
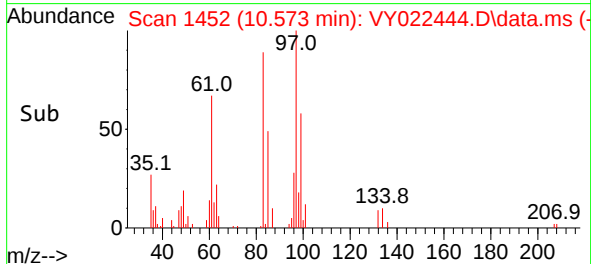
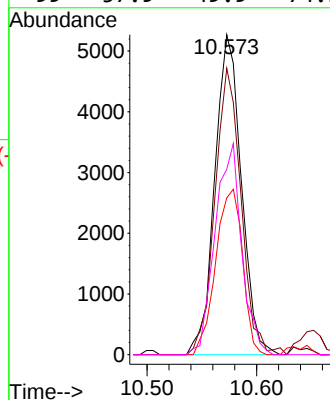
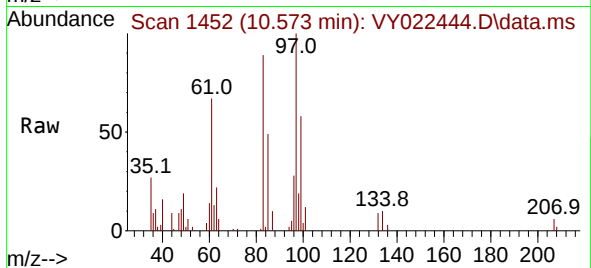
Ion Ratio Lower Upper

97 100

83 89.5 70.2 105.4

85 49.0 46.1 69.1

99 57.9 49.9 74.9



#56

Ethyl methacrylate

Concen: 5.016 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

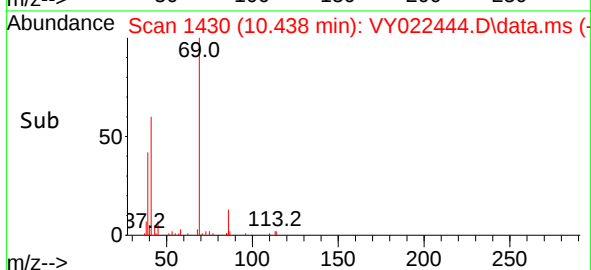
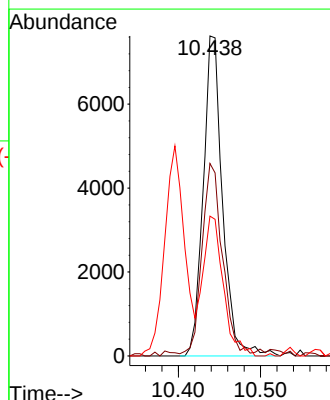
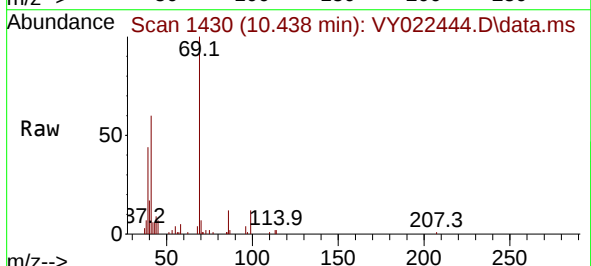
Tgt Ion: 69 Resp: 12484

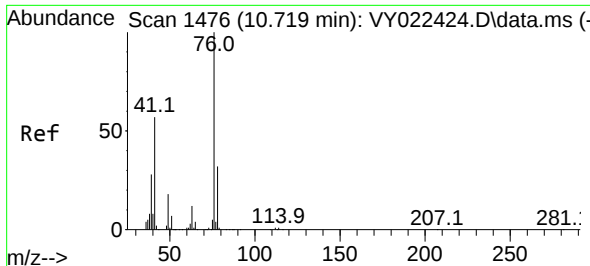
Ion Ratio Lower Upper

69 100

41 63.9 51.2 76.8

39 45.9 35.2 52.8





#57

1,3-Dichloropropane

Concen: 5.060 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

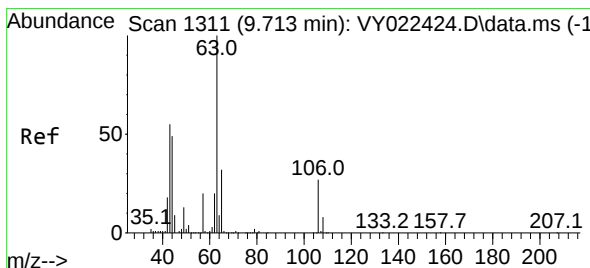
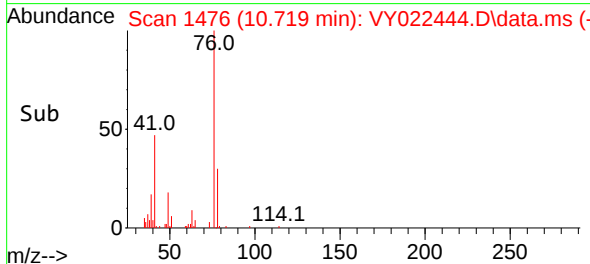
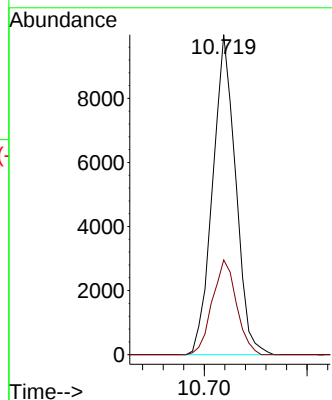
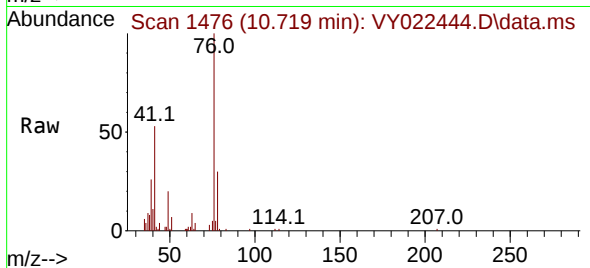
LOQ-SOIL-02-QT2-2025

Tgt Ion: 76 Resp: 15466

Ion Ratio Lower Upper

76 100

78 31.2 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 20.257 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY022444.D

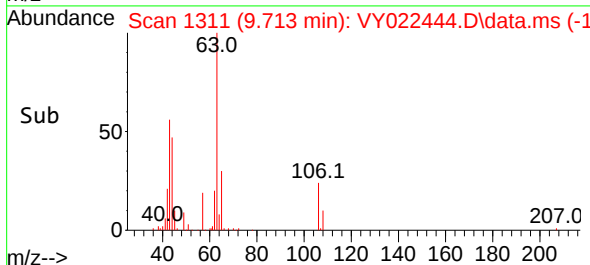
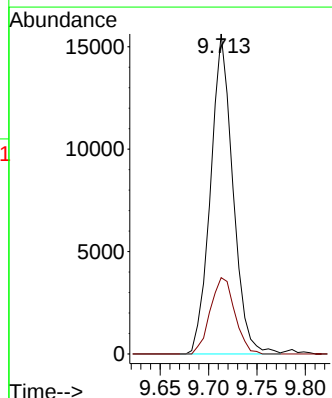
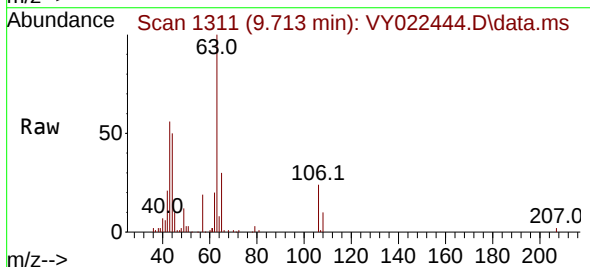
Acq: 28 May 2025 11:40

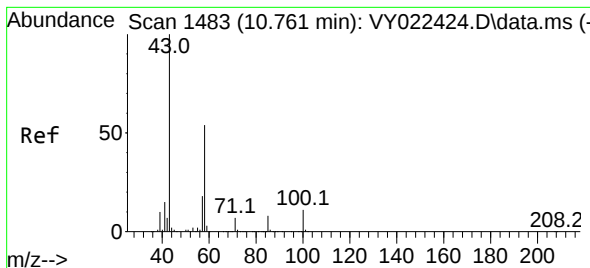
Tgt Ion: 63 Resp: 25126

Ion Ratio Lower Upper

63 100

106 26.1 22.2 33.2





#59

2-Hexanone

Concen: 22.347 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

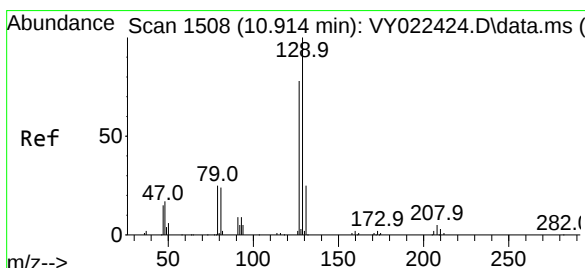
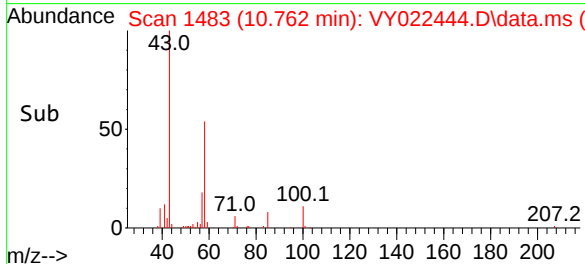
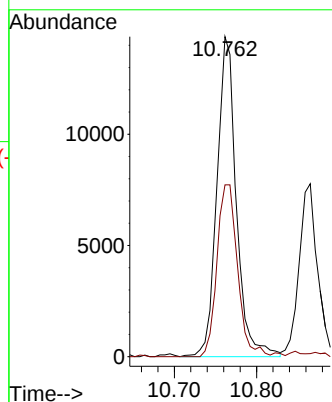
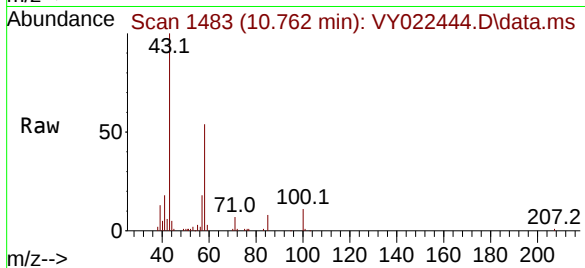
LOQ-SOIL-02-QT2-2025

Tgt Ion: 43 Resp: 23569

Ion Ratio Lower Upper

43 100

58 57.0 27.1 81.2



#60

Dibromochloromethane

Concen: 4.743 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.000 min

Lab File: VY022444.D

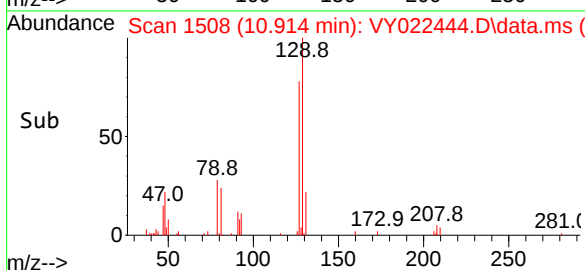
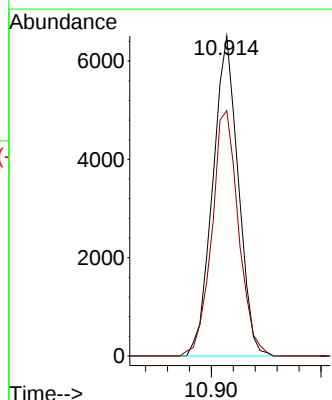
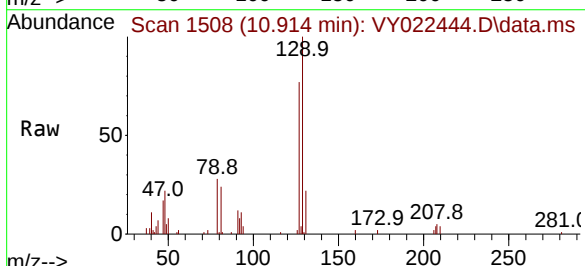
Acq: 28 May 2025 11:40

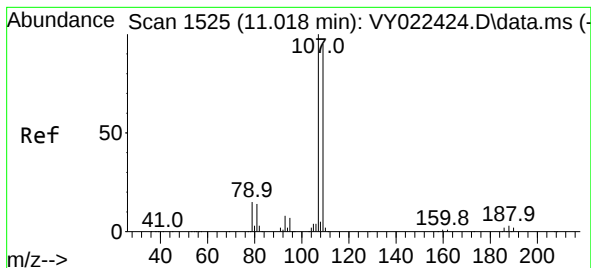
Tgt Ion: 129 Resp: 10507

Ion Ratio Lower Upper

129 100

127 80.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 4.648 ug/l

RT: 11.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

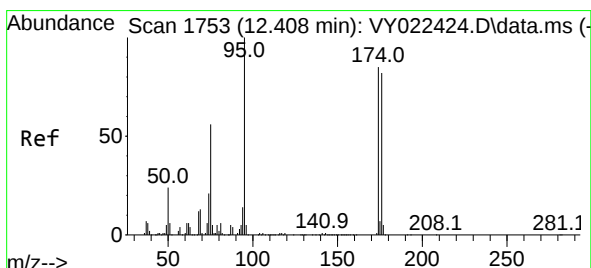
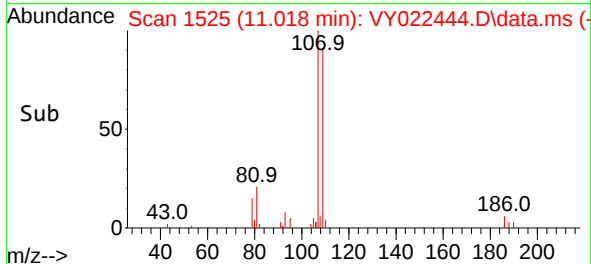
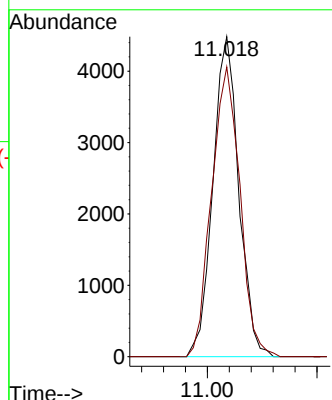
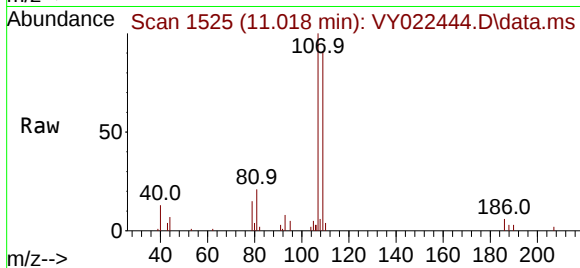
LOQ-SOIL-02-QT2-2025

Tgt Ion:107 Resp: 7373

Ion Ratio Lower Upper

107 100

109 98.8 74.0 111.0



#62

4-Bromofluorobenzene

Concen: 45.169 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

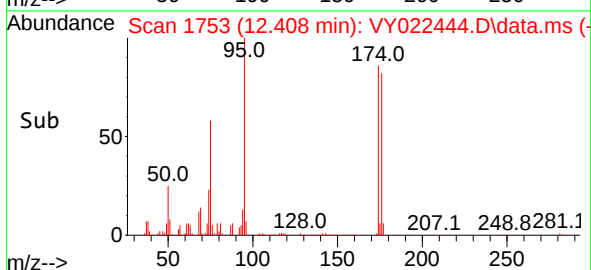
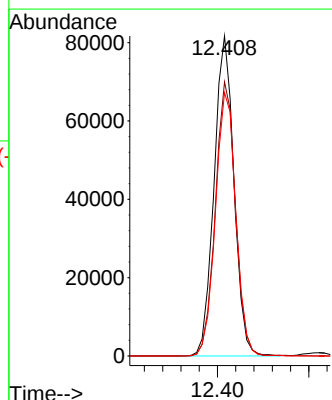
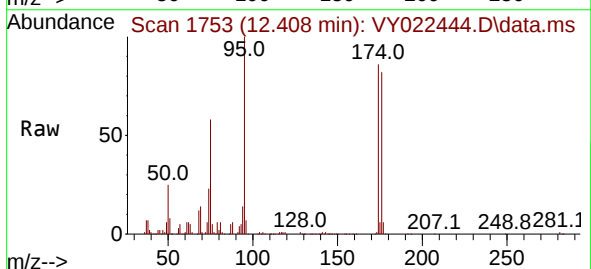
Tgt Ion: 95 Resp: 123282

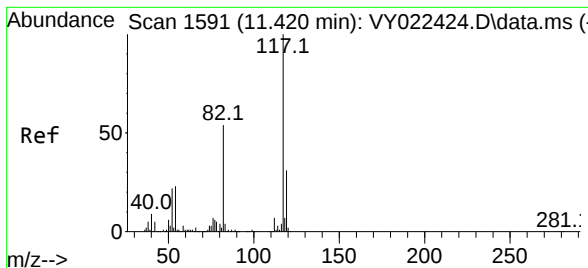
Ion Ratio Lower Upper

95 100

174 86.9 0.0 171.6

176 84.3 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2025

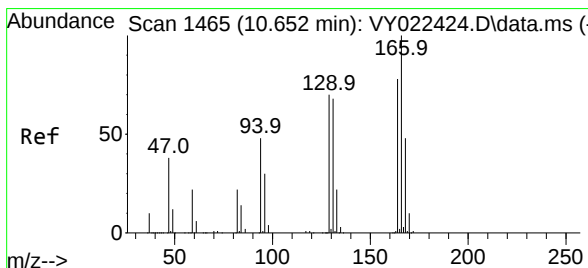
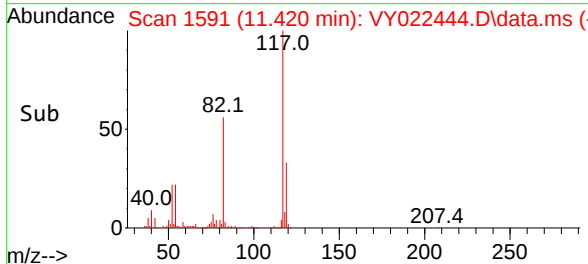
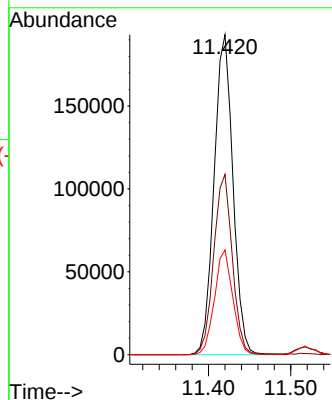
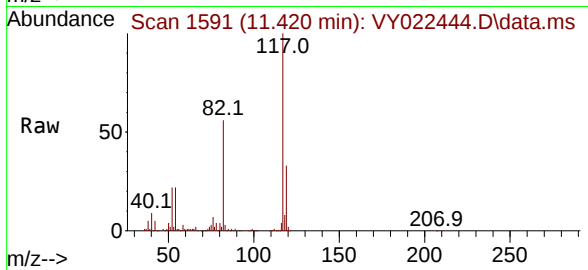
Tgt Ion:117 Resp: 307961

Ion Ratio Lower Upper

117 100

82 56.4 43.3 64.9

119 32.7 24.5 36.7



#64

Tetrachloroethene

Concen: 5.765 ug/l

RT: 10.652 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Tgt Ion:164 Resp: 15120

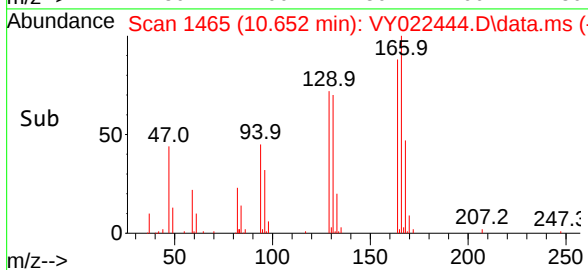
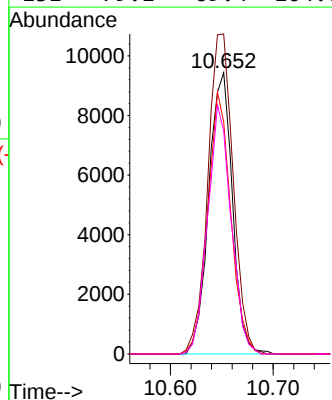
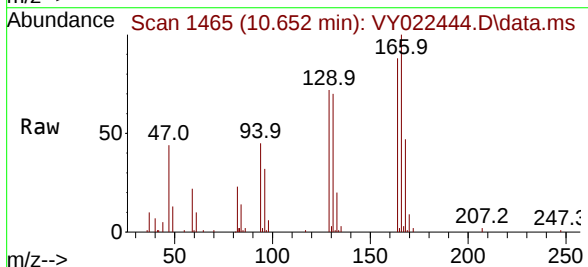
Ion Ratio Lower Upper

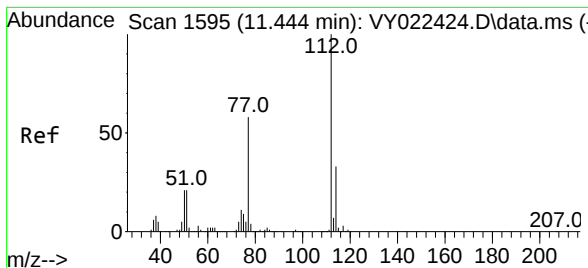
164 100

166 113.8 102.0 153.0

129 82.4 71.3 106.9

131 79.1 69.4 104.0





#65

Chlorobenzene

Concen: 5.487 ug/l

RT: 11.444 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

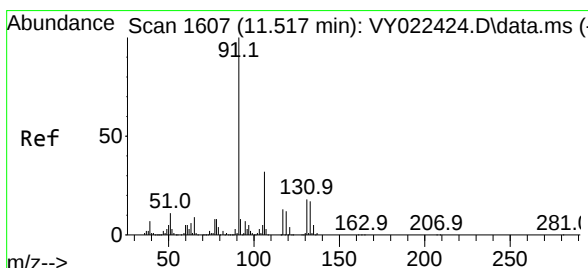
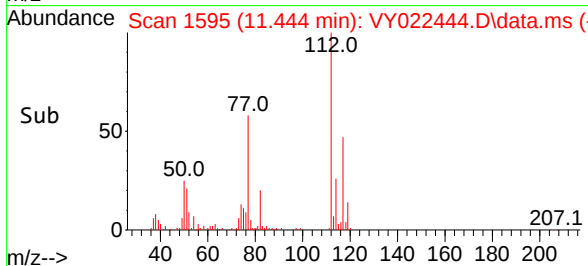
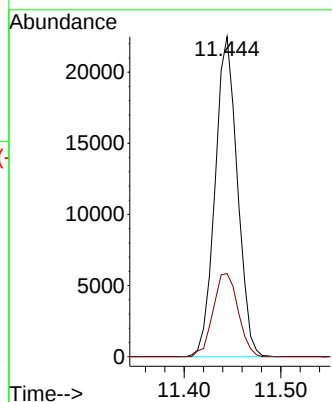
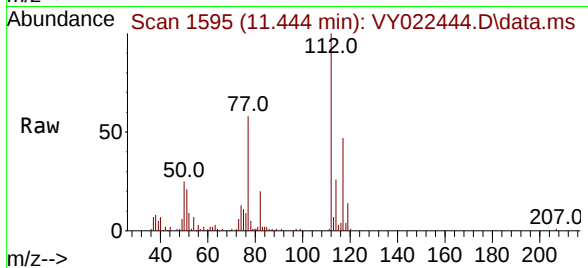
LOQ-SOIL-02-QT2-2025

Tgt Ion:112 Resp: 36034

Ion Ratio Lower Upper

112 100

114 26.0 26.1 39.1#



#66

1,1,1,2-Tetrachloroethane

Concen: 5.216 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

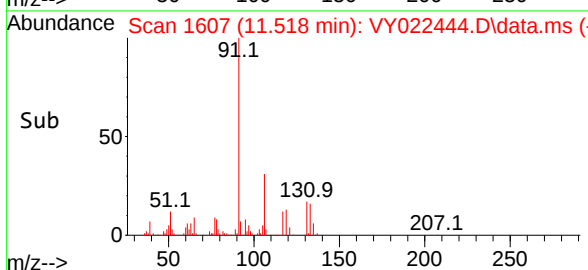
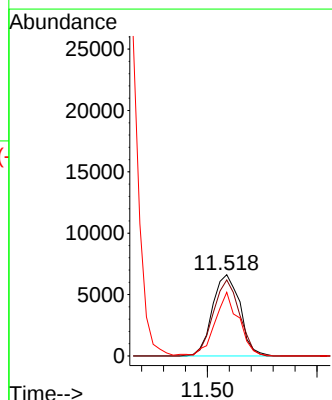
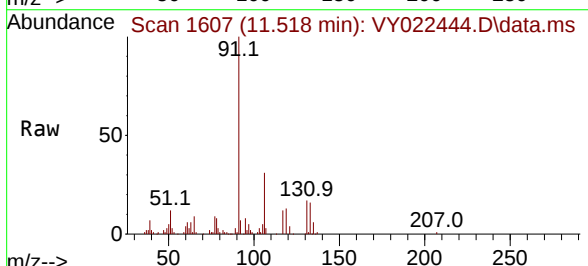
Tgt Ion:131 Resp: 11605

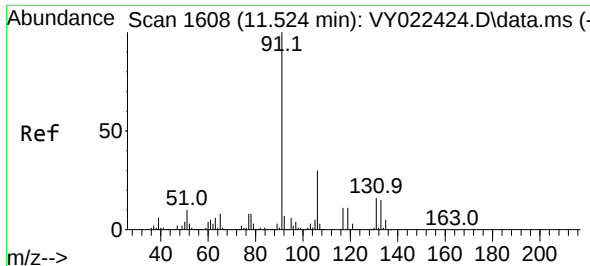
Ion Ratio Lower Upper

131 100

133 88.8 46.6 139.8

119 67.3 33.3 99.8

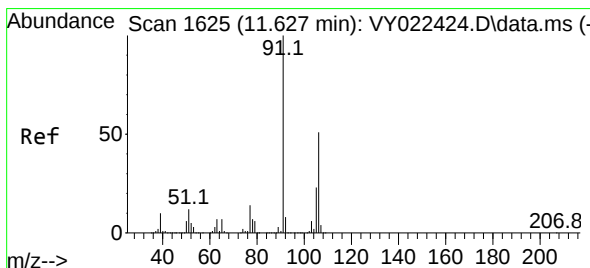
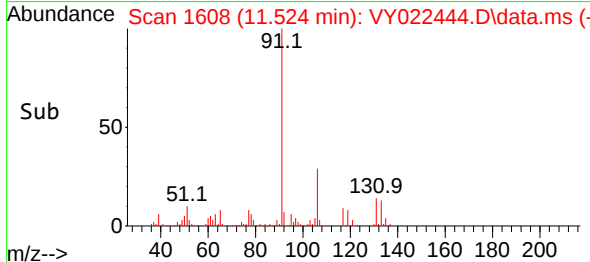
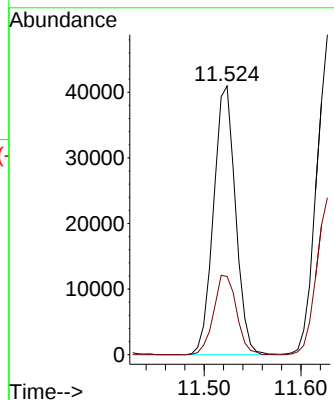
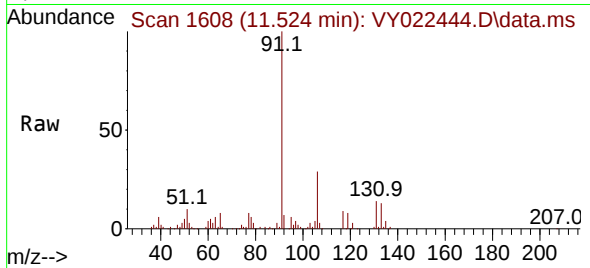




#67
Ethyl Benzene
Concen: 5.302 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

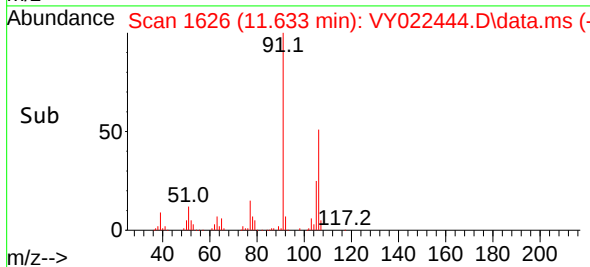
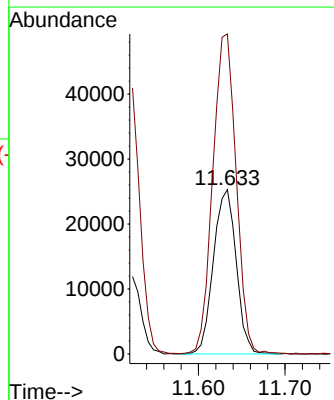
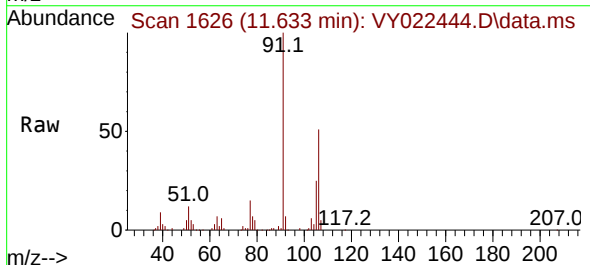
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

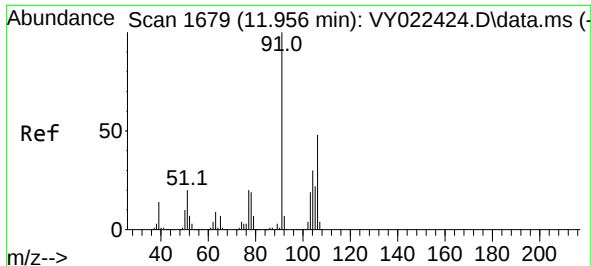
Tgt Ion: 91 Resp: 64645
Ion Ratio Lower Upper
91 100
106 29.1 24.4 36.6



#68
m/p-Xylenes
Concen: 10.005 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion: 106 Resp: 46249
Ion Ratio Lower Upper
106 100
91 200.0 159.8 239.8

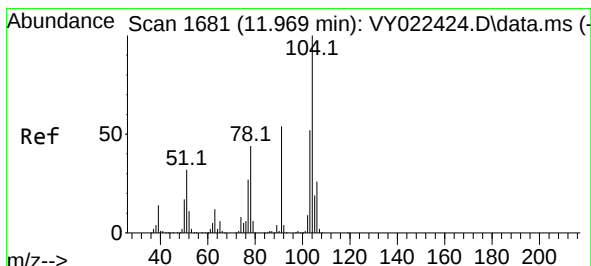
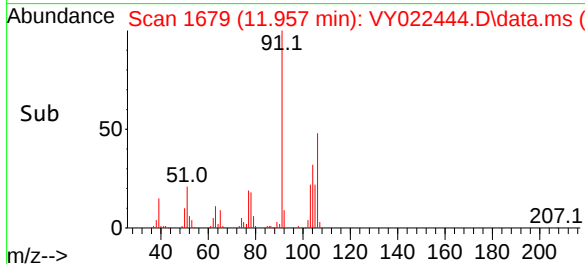
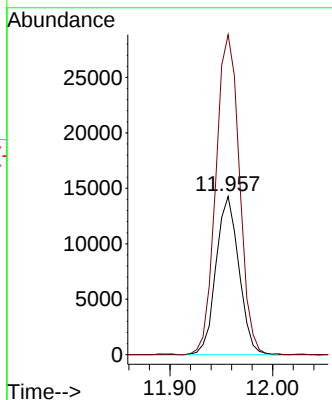
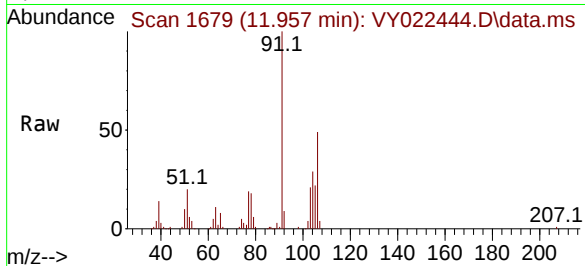




#69
o-Xylene
Concen: 5.072 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

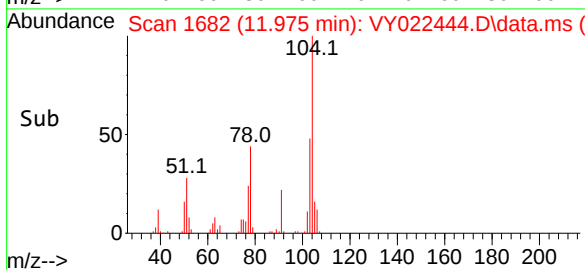
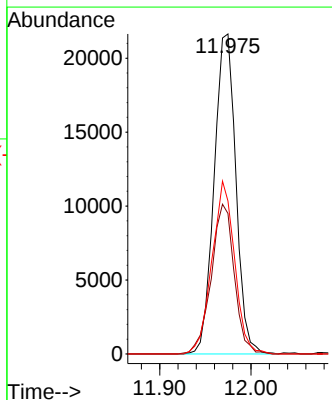
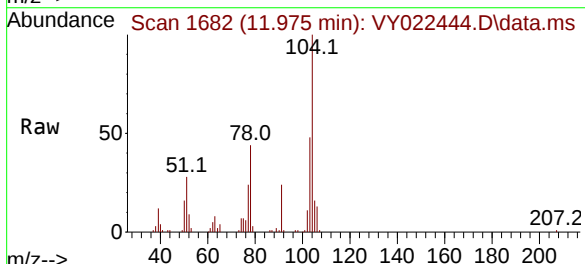
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

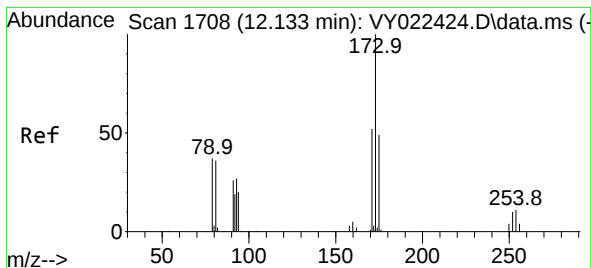
Tgt Ion:106 Resp: 22035
Ion Ratio Lower Upper
106 100
91 208.7 106.3 318.9



#70
Styrene
Concen: 4.959 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion:104 Resp: 35874
Ion Ratio Lower Upper
104 100
78 49.6 38.8 58.2
103 56.2 43.4 65.2





#71

Bromoform

Concen: 4.907 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2025

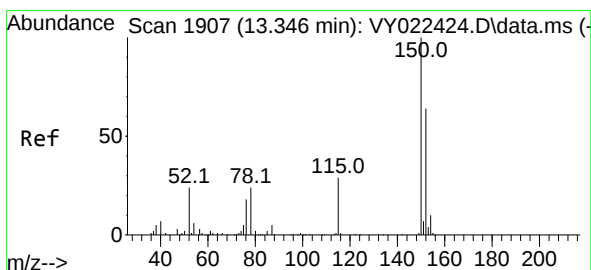
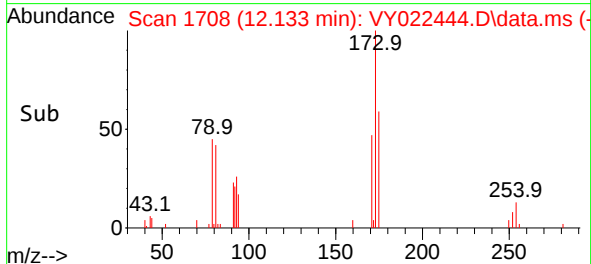
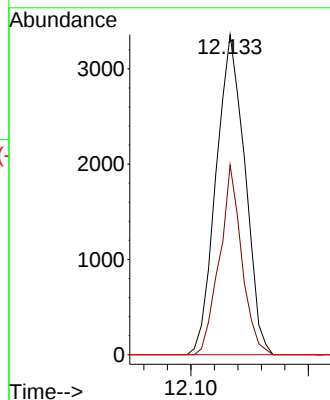
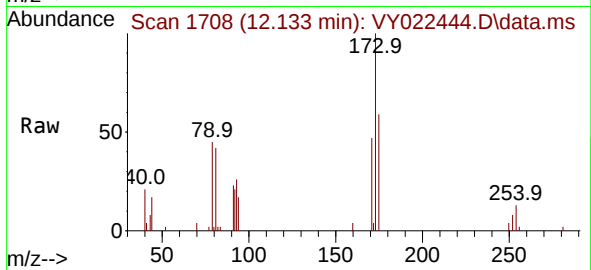
Tgt Ion:173 Resp: 5718

Ion Ratio Lower Upper

173 100

175 45.8 24.3 73.0

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

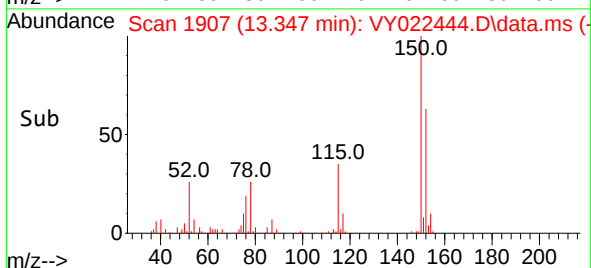
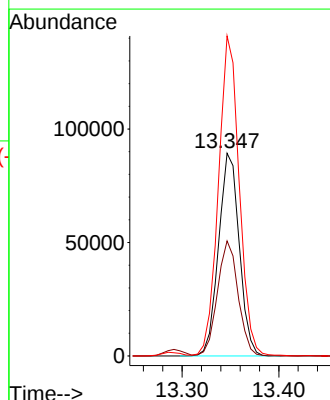
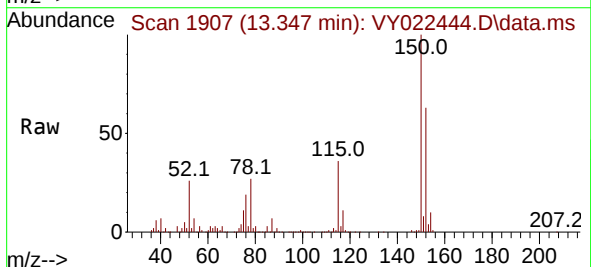
Tgt Ion:152 Resp: 132317

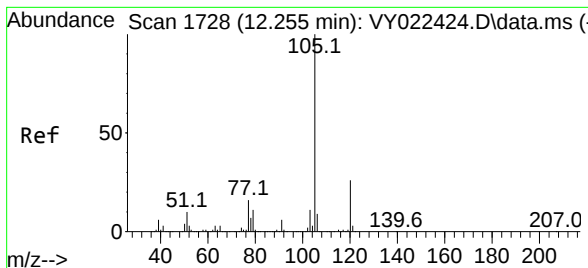
Ion Ratio Lower Upper

152 100

115 56.8 28.4 85.3

150 158.8 0.0 345.8





#73

Isopropylbenzene

Concen: 5.540 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

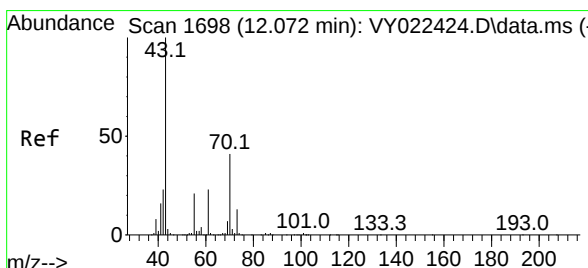
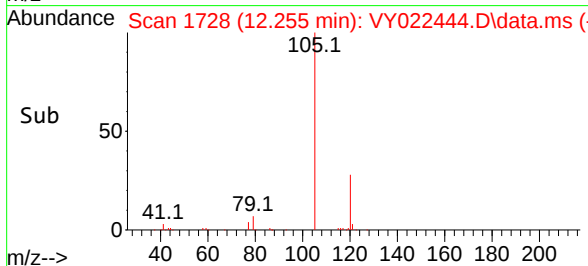
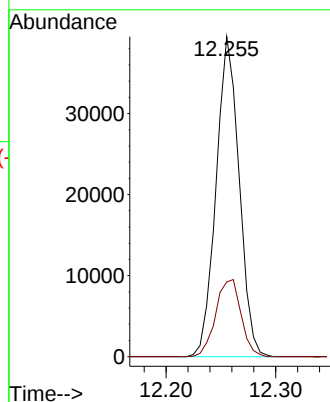
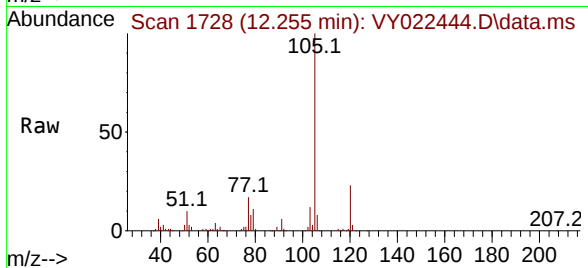
LOQ-SOIL-02-QT2-2025

Tgt Ion:105 Resp: 57689

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.5



#74

N-ethyl acetate

Concen: 4.876 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Tgt Ion: 43 Resp: 12426

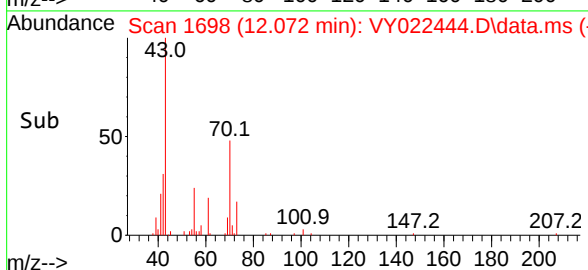
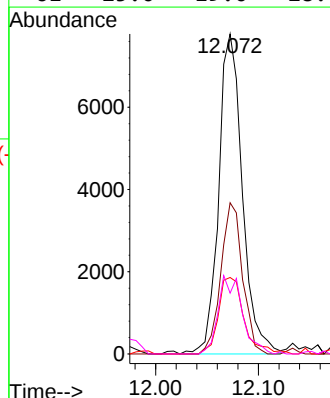
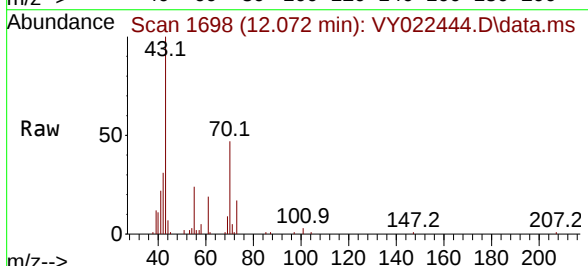
Ion Ratio Lower Upper

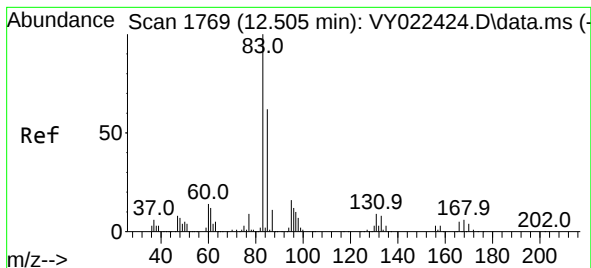
43 100

70 43.3 33.0 49.4

55 25.8 17.5 26.3

61 25.0 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.500 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2025

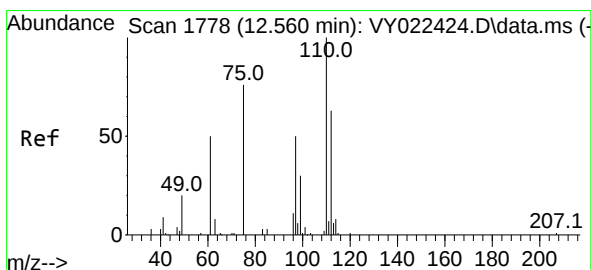
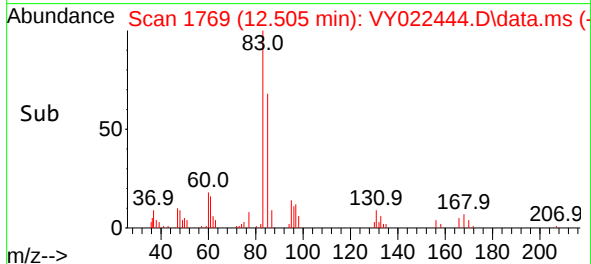
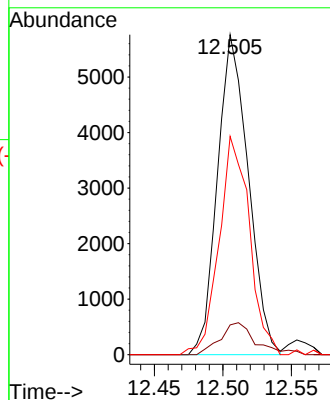
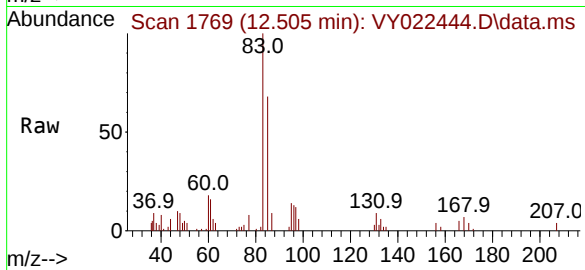
Tgt Ion: 83 Resp: 9024

Ion Ratio Lower Upper

83 100

131 11.5 4.8 14.4

85 67.1 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 8.719 ug/l

RT: 12.560 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VY022444.D

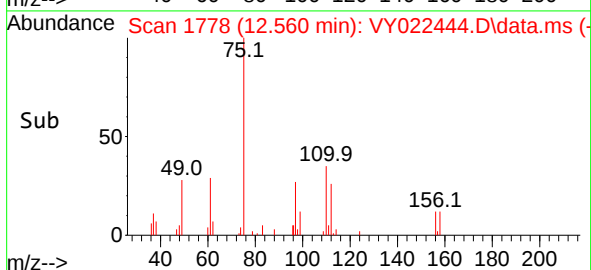
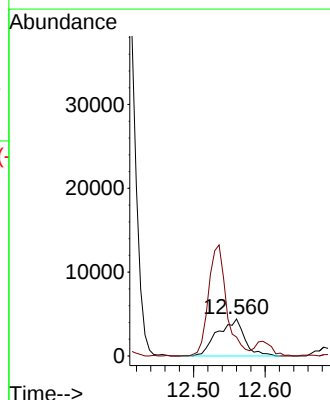
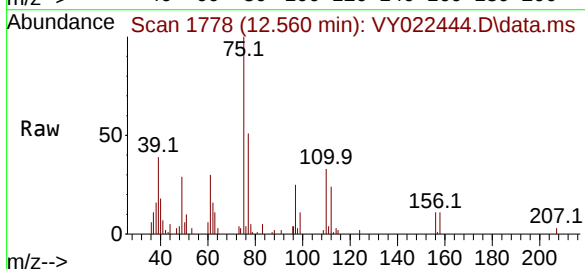
Acq: 28 May 2025 11:40

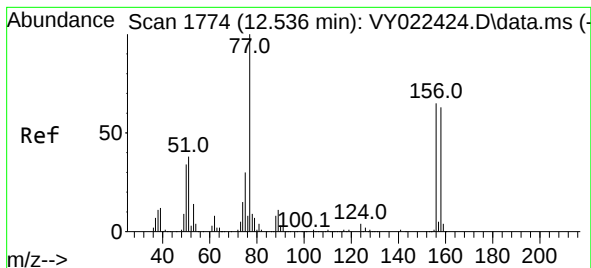
Tgt Ion: 75 Resp: 11556

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 5.676 ug/l

RT: 12.536 min Scan# 1774

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2025

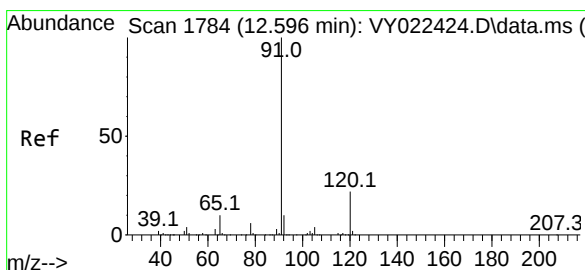
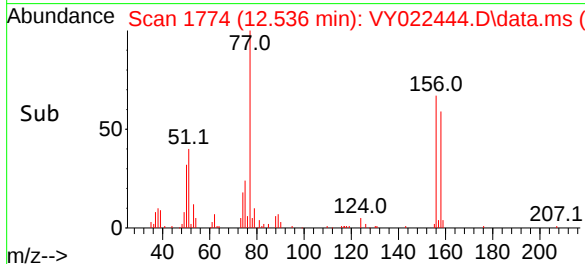
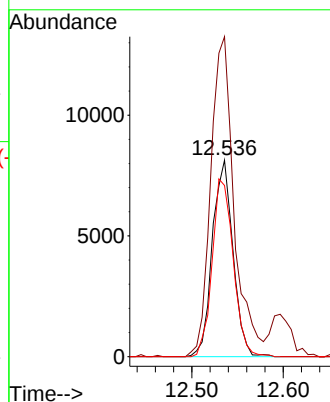
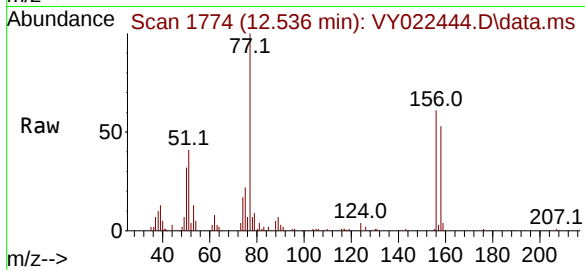
Tgt Ion:156 Resp: 12721

Ion Ratio Lower Upper

156 100

77 184.3 91.4 274.2

158 92.8 48.1 144.3



#78

n-propylbenzene

Concen: 5.798 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY022444.D

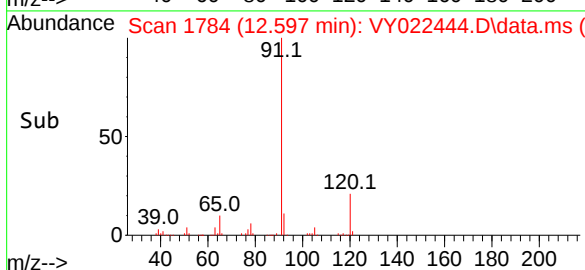
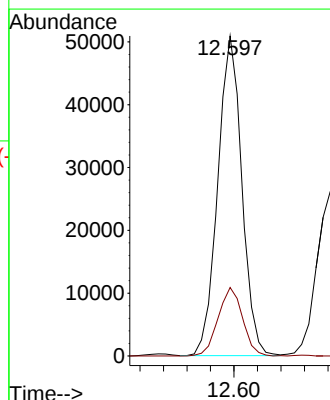
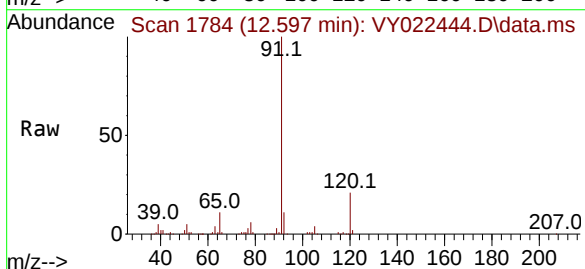
Acq: 28 May 2025 11:40

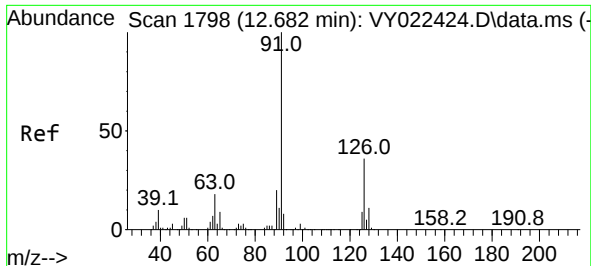
Tgt Ion: 91 Resp: 72456

Ion Ratio Lower Upper

91 100

120 21.7 11.2 33.5

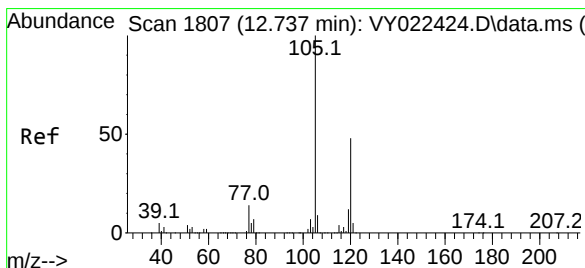
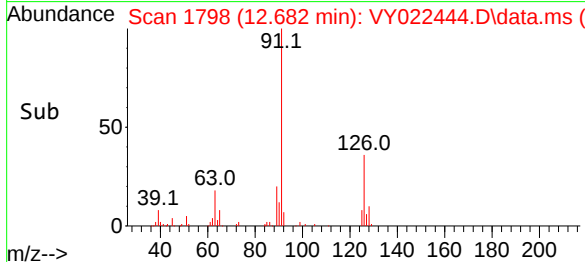
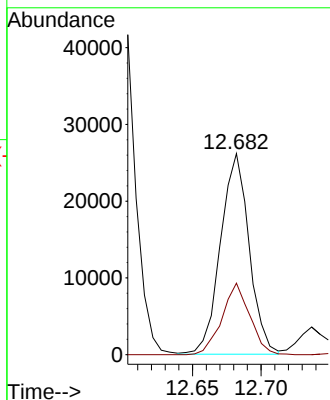
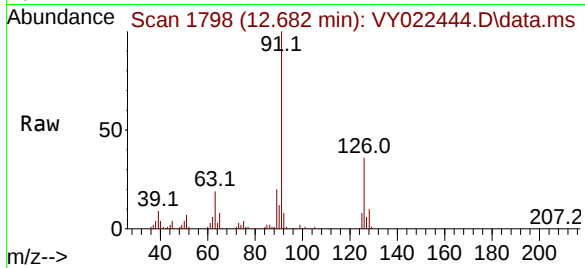




#79
2-Chlorotoluene
Concen: 5.629 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

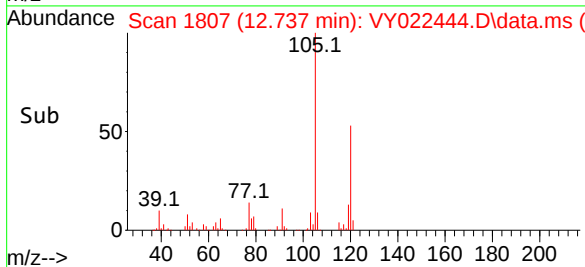
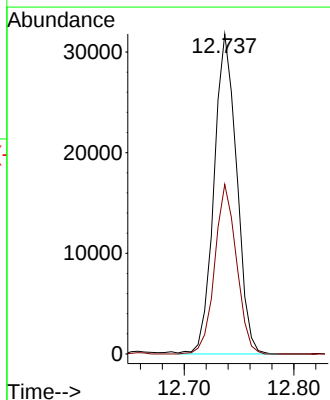
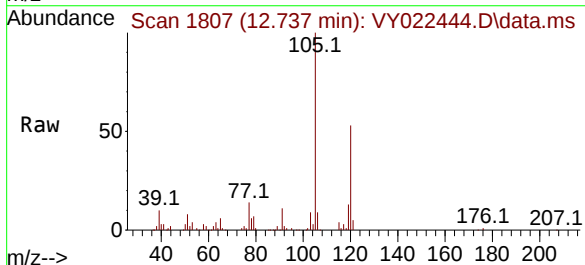
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

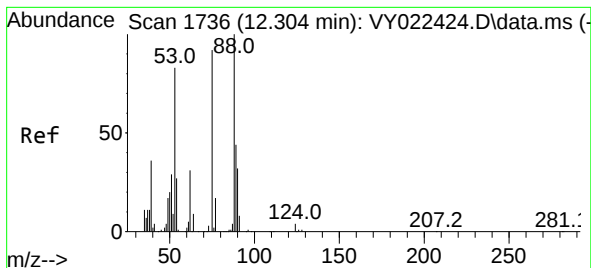
Tgt Ion: 91 Resp: 38079
Ion Ratio Lower Upper
91 100
126 34.5 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 5.611 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion: 105 Resp: 45653
Ion Ratio Lower Upper
105 100
120 50.8 24.3 73.0

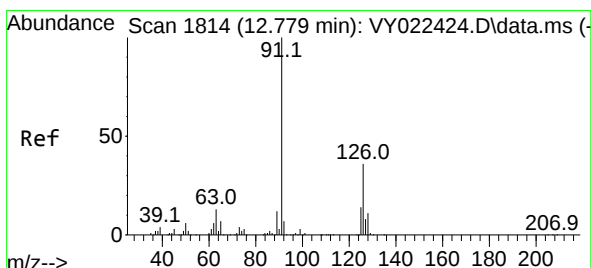
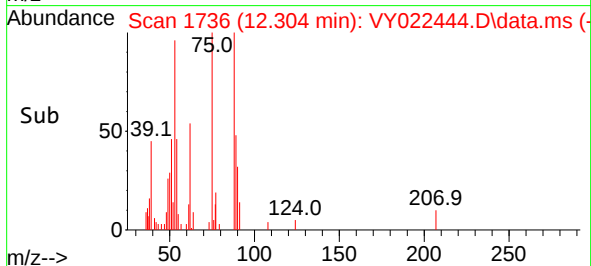
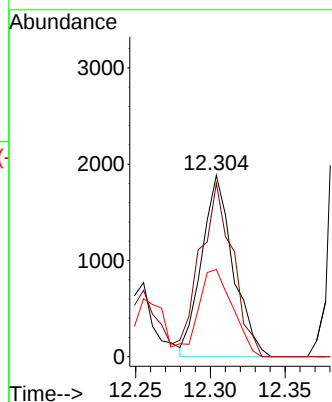
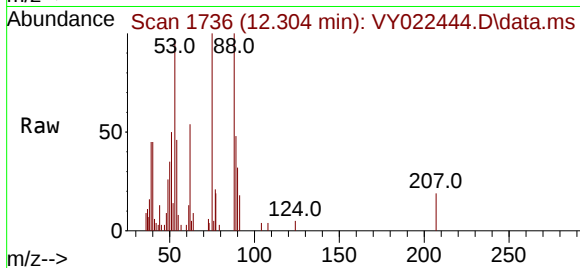




#81
trans-1,4-Dichloro-2-butene
Concen: 4.703 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

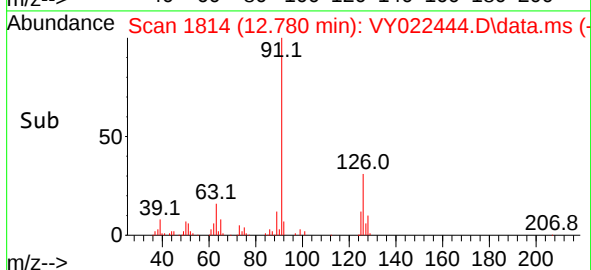
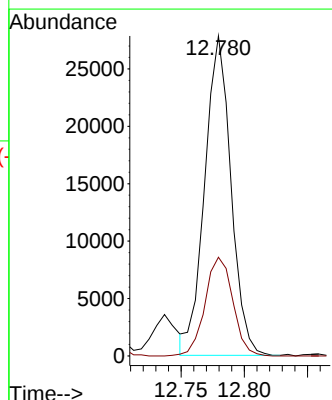
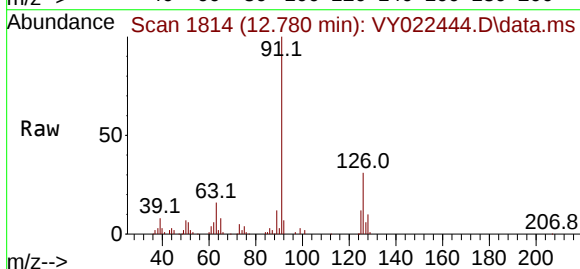
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

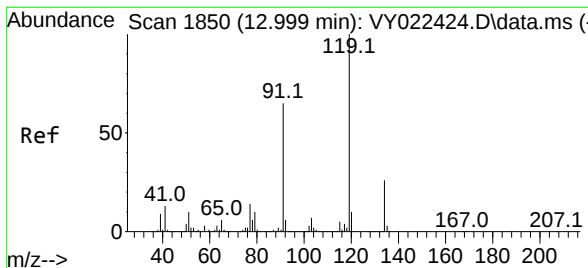
Tgt Ion: 75 Resp: 2756
Ion Ratio Lower Upper
75 100
53 100.8 75.1 112.7
89 49.6 37.4 56.0



#82
4-Chlorotoluene
Concen: 5.762 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion: 91 Resp: 40147
Ion Ratio Lower Upper
91 100
126 32.7 17.2 51.6





#83

tert-Butylbenzene

Concen: 5.570 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2025

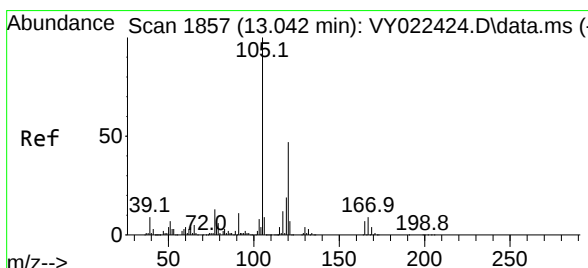
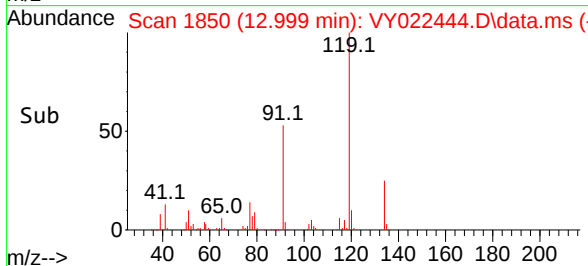
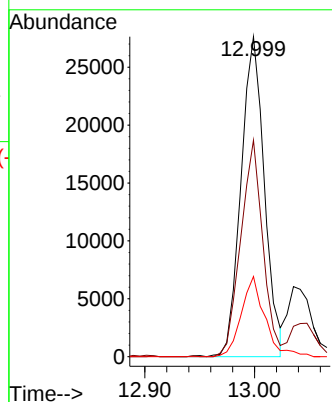
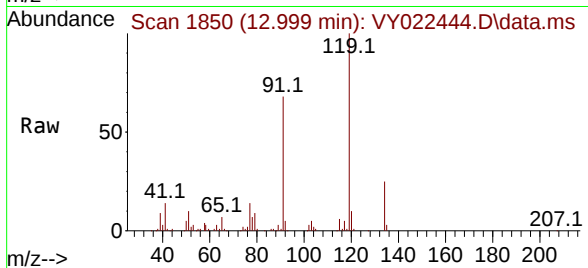
Tgt Ion:119 Resp: 40945

Ion Ratio Lower Upper

119 100

91 64.0 31.8 95.3

134 25.4 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 5.406 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY022444.D

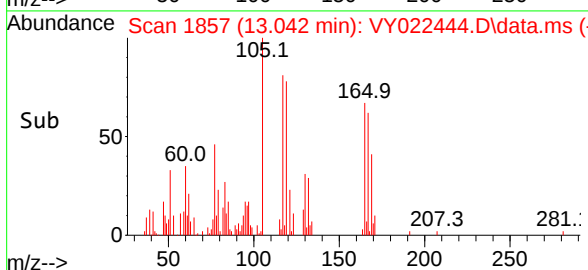
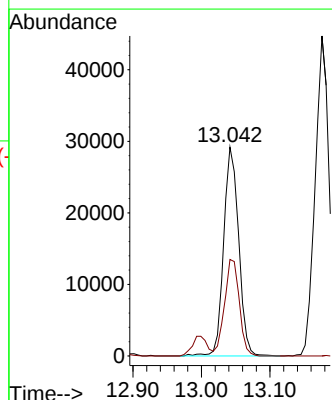
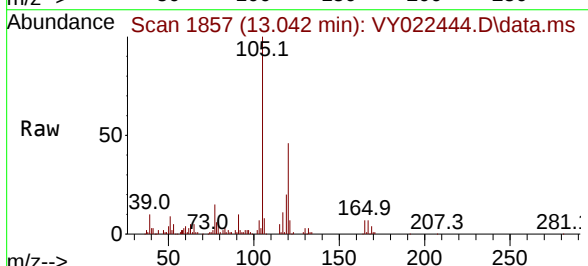
Acq: 28 May 2025 11:40

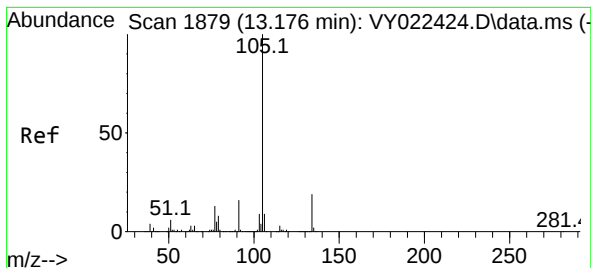
Tgt Ion:105 Resp: 44267

Ion Ratio Lower Upper

105 100

120 45.3 22.9 68.5





#85

sec-Butylbenzene

Concen: 5.836 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

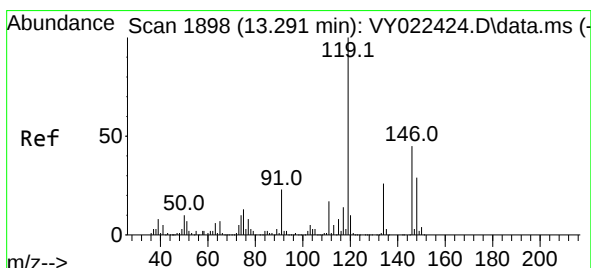
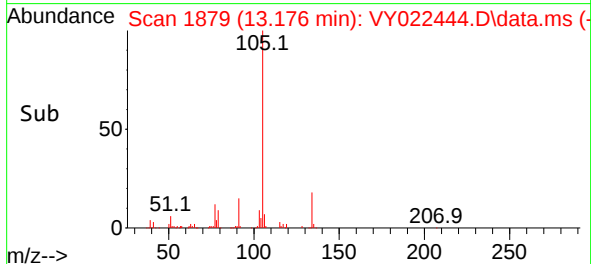
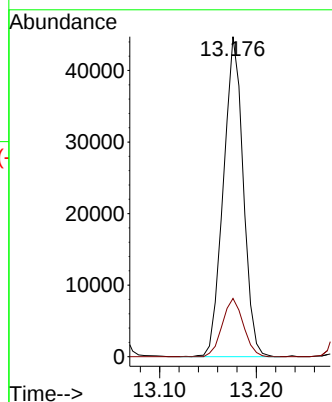
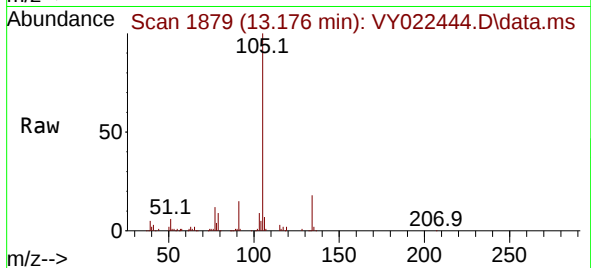
LOQ-SOIL-02-QT2-2025

Tgt Ion:105 Resp: 63628

Ion Ratio Lower Upper

105 100

134 19.3 9.7 29.1



#86

p-Isopropyltoluene

Concen: 5.365 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

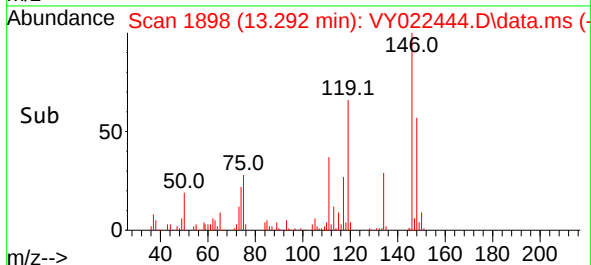
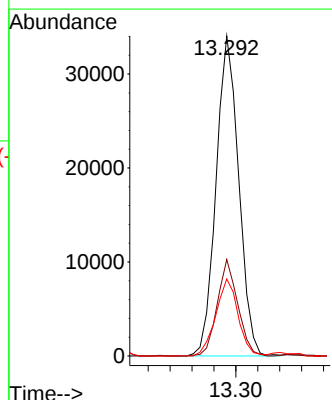
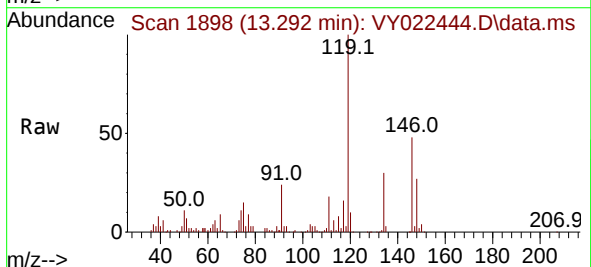
Tgt Ion:119 Resp: 48843

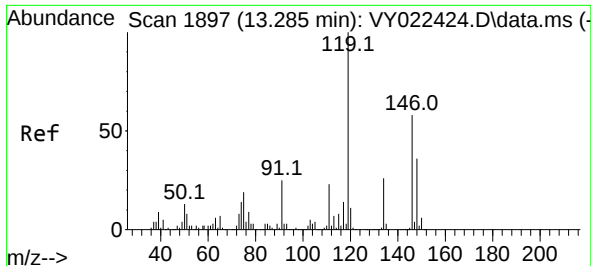
Ion Ratio Lower Upper

119 100

134 27.2 13.0 39.0

91 23.7 11.6 34.8

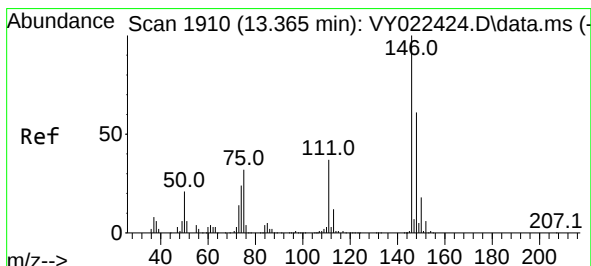
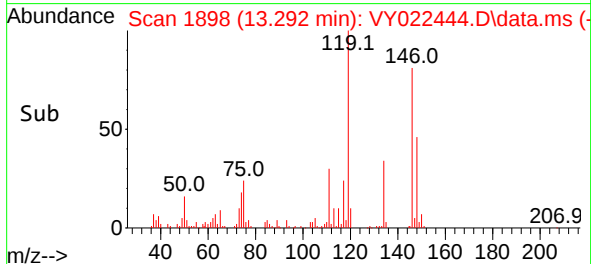
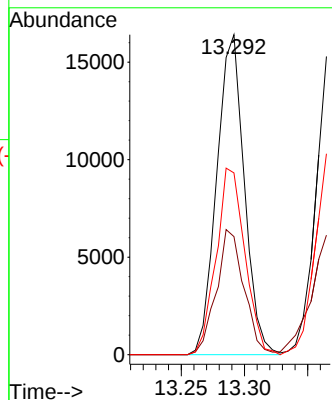
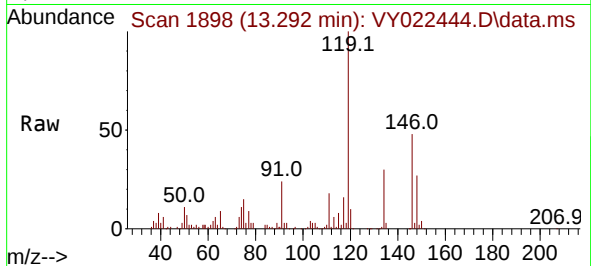




#87
1,3-Dichlorobenzene
Concen: 5.517 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

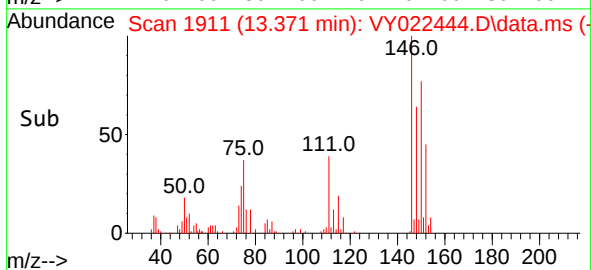
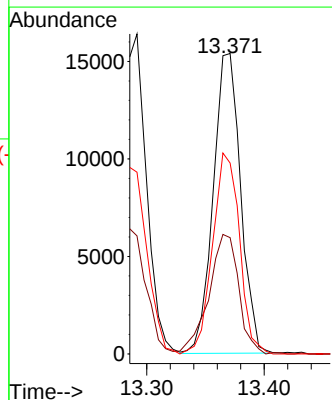
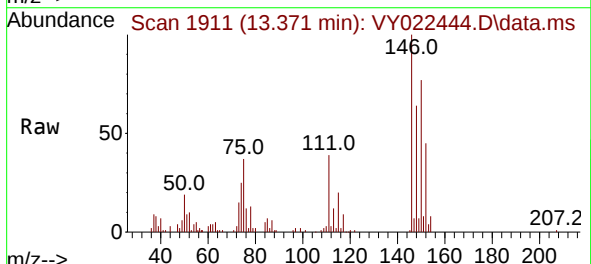
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

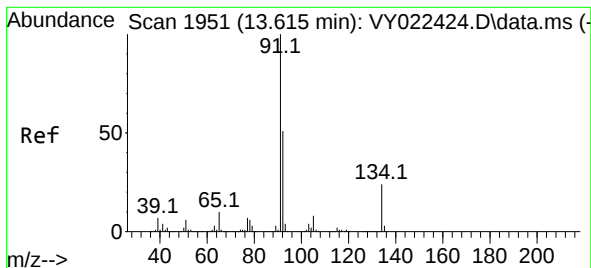
Tgt Ion:146 Resp: 24879
Ion Ratio Lower Upper
146 100
111 39.2 19.6 58.8
148 60.7 31.7 95.1



#88
1,4-Dichlorobenzene
Concen: 5.782 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion:146 Resp: 24930
Ion Ratio Lower Upper
146 100
111 43.8 18.7 56.1
148 65.9 31.4 94.3





#89

n-Butylbenzene

Concen: 5.650 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2025

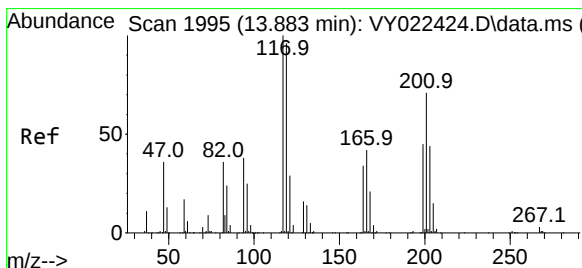
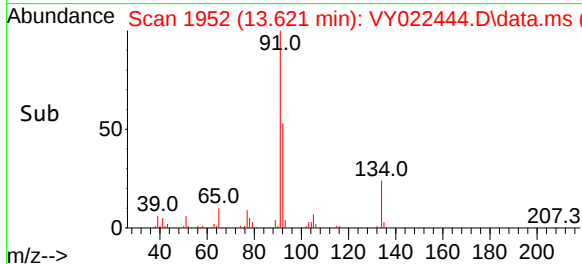
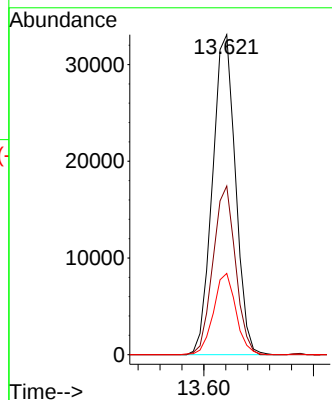
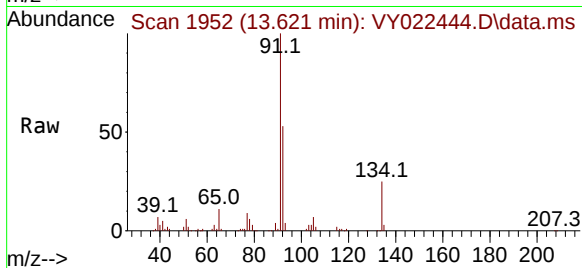
Tgt Ion: 91 Resp: 48231

Ion Ratio Lower Upper

91 100

92 51.5 25.9 77.6

134 24.9 12.4 37.0



#90

Hexachloroethane

Concen: 5.478 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.006 min

Lab File: VY022444.D

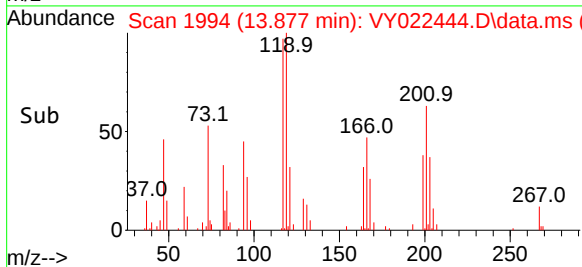
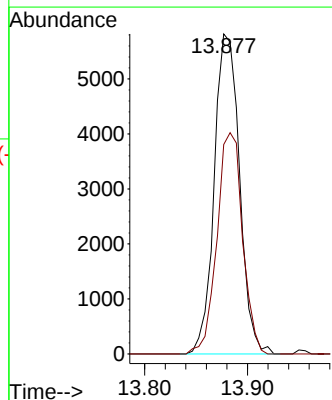
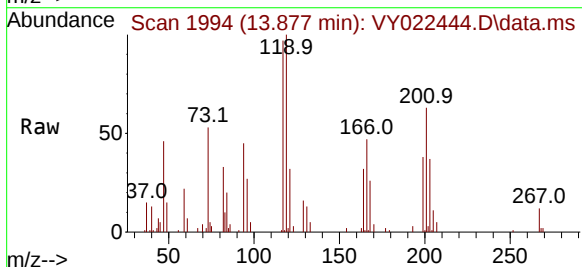
Acq: 28 May 2025 11:40

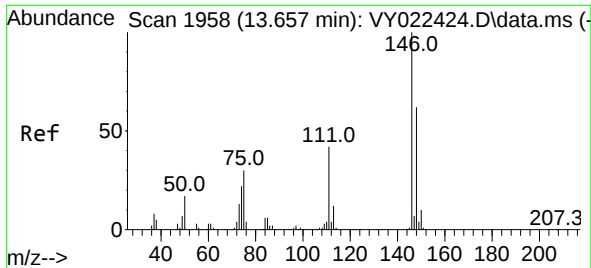
Tgt Ion: 117 Resp: 9924

Ion Ratio Lower Upper

117 100

201 70.0 35.0 105.0

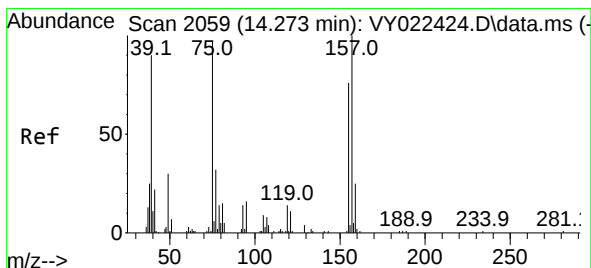
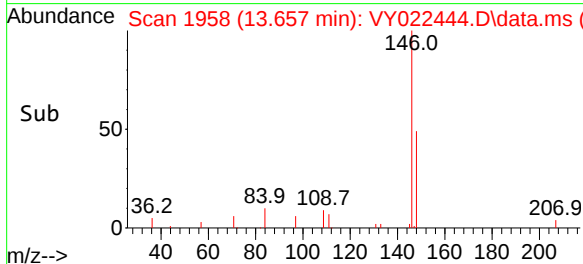
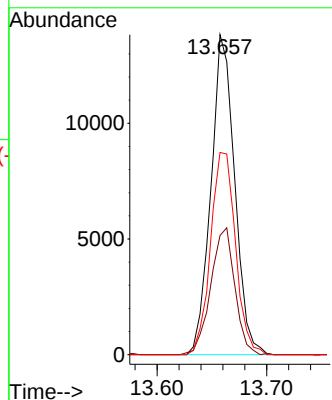
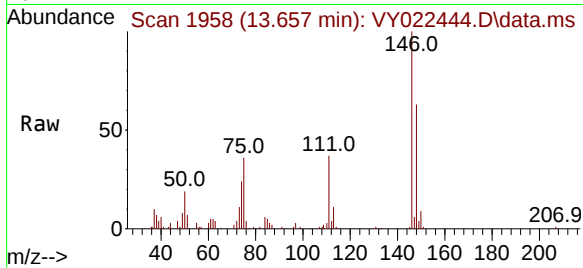




#91
1,2-Dichlorobenzene
Concen: 5.518 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

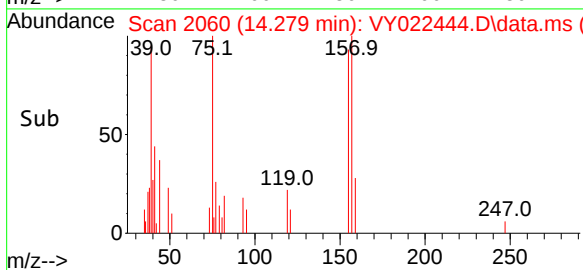
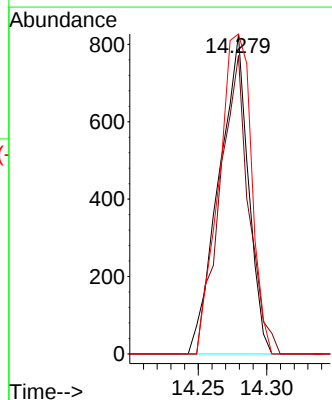
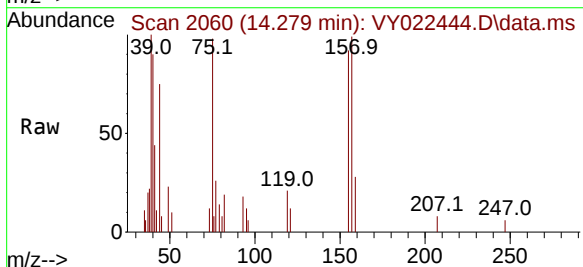
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

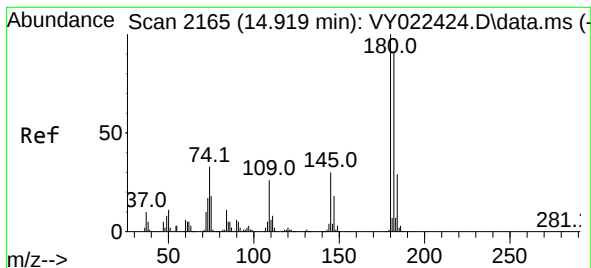
Tgt Ion:	146	Resp:	20784
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.5	61.6
148	66.6	31.9	95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.844 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion:	75	Resp:	1228
Ion Ratio	Lower	Upper	
75	100		
155	91.9	42.3	126.8
157	111.9	54.4	163.3





#93

1,2,4-Trichlorobenzene

Concen: 5.674 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2025

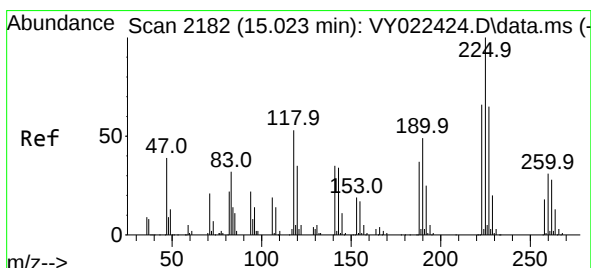
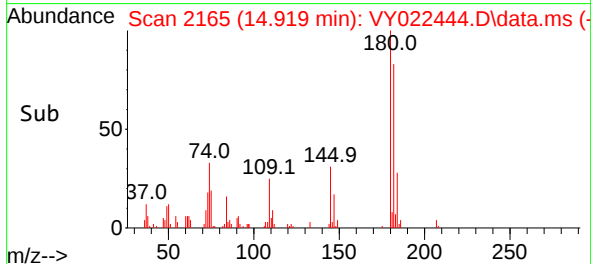
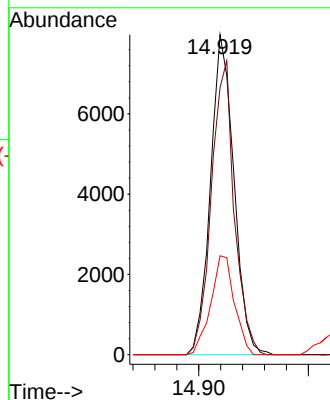
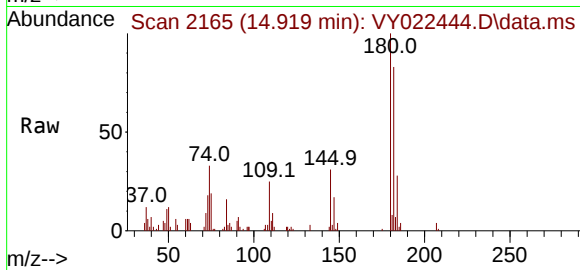
Tgt Ion:180 Resp: 11847

Ion Ratio Lower Upper

180 100

182 89.6 46.2 138.6

145 31.3 14.2 42.8



#94

Hexachlorobutadiene

Concen: 6.333 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. 0.006 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

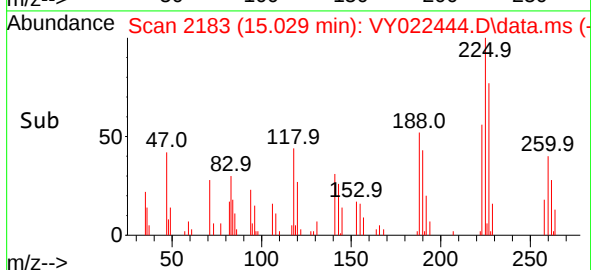
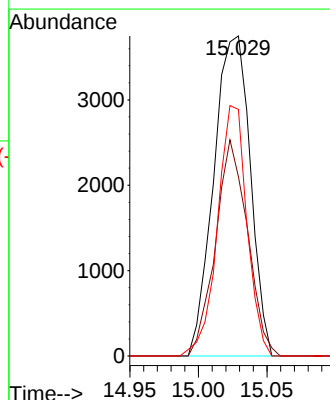
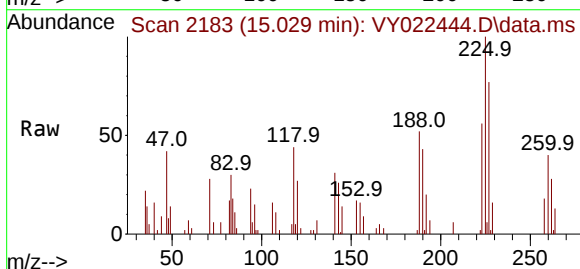
Tgt Ion:225 Resp: 6939

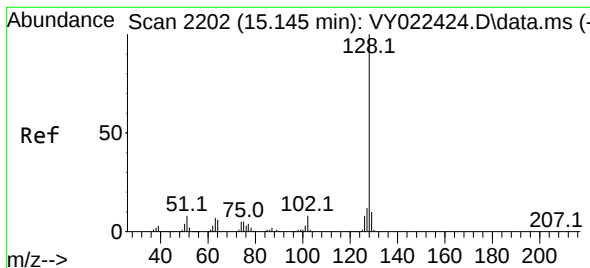
Ion Ratio Lower Upper

225 100

223 59.3 32.6 97.7

227 63.2 33.0 99.0





#95

Naphthalene

Concen: 5.111 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2025

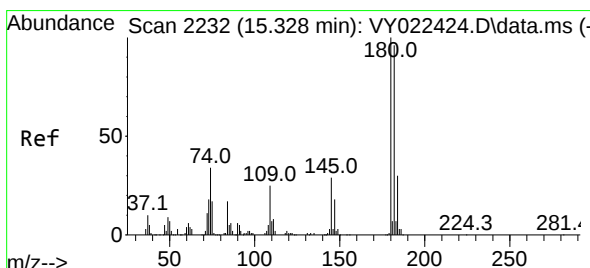
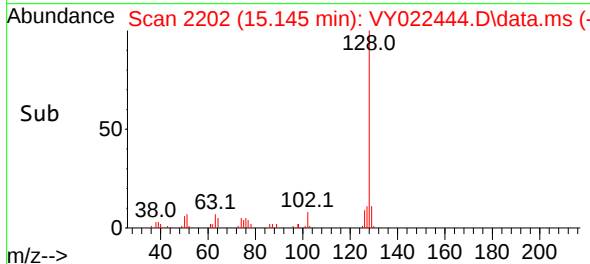
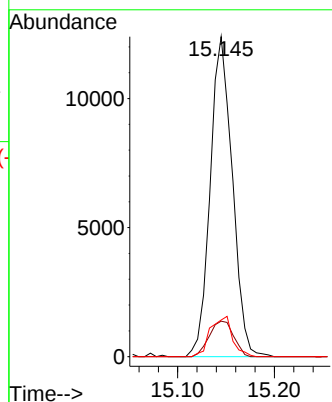
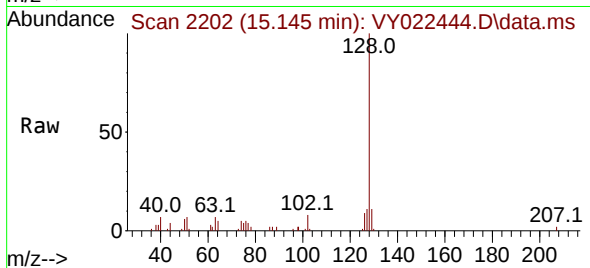
Tgt Ion:128 Resp: 19728

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.4

129 12.6 8.5 12.7



#96

1,2,3-Trichlorobenzene

Concen: 5.627 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Tgt Ion:180 Resp: 9635

Ion Ratio Lower Upper

180 100

182 100.2 48.1 144.3

145 34.5 14.9 44.5

