

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023673.D
 Acq On : 04 Nov 2025 14:53
 Operator : SY/MD
 Sample : Q3530-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

Quant Time: Nov 05 04:52:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	530604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	827084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	709567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	335353	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	246162	54.387	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.780%
35) Dibromofluoromethane	7.640	113	269671	52.174	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.340%
50) Toluene-d8	10.109	98	985744	51.197	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.400%
62) 4-Bromofluorobenzene	12.408	95	306141	49.167	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.340%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	20100	5.771	ug/l	100
3) Chloromethane	2.074	50	28904	5.930	ug/l	99
4) Vinyl Chloride	2.208	62	35167	5.545	ug/l	97
5) Bromomethane	2.604	94	33066	6.198	ug/l	94
6) Chloroethane	2.739	64	24749	5.646	ug/l	96
7) Trichlorofluoromethane	3.062	101	48782	5.461	ug/l	98
8) Diethyl Ether	3.452	74	13075	5.458	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.824	101	26991	5.484	ug/l	99
10) Methyl Iodide	4.013	142	26971	4.641	ug/l	97
11) Tert butyl alcohol	4.866	59	9249	31.691	ug/l #	89
12) 1,1-Dichloroethene	3.793	96	25386	5.355	ug/l	98
13) Acrolein	3.653	56	11217	29.903	ug/l	97
14) Allyl chloride	4.391	41	30104	5.217	ug/l	99
15) Acrylonitrile	5.067	53	25407	27.755	ug/l	96
16) Acetone	3.873	43	31891	28.346	ug/l	95
17) Carbon Disulfide	4.110	76	80708	5.547	ug/l	99
18) Methyl Acetate	4.391	43	12963	5.224	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	56811	5.168	ug/l	99
20) Methylene Chloride	4.622	84	33481	6.165	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	28664	5.362	ug/l	93
22) Diisopropyl ether	6.025	45	65558	5.099	ug/l #	87
23) Vinyl Acetate	5.970	43	174118	25.376	ug/l	98
24) 1,1-Dichloroethane	5.921	63	46815	5.465	ug/l	98
25) 2-Butanone	6.902	43	34765	26.726	ug/l	90
26) 2,2-Dichloropropane	6.884	77	42275	5.365	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	31810	5.211	ug/l	98
28) Bromochloromethane	7.250	49	18124	5.526	ug/l	96
29) Tetrahydrofuran	7.274	42	18678	26.962	ug/l	96
30) Chloroform	7.427	83	51648	5.404	ug/l	99
31) Cyclohexane	7.707	56	43773	5.868	ug/l #	74
32) 1,1,1-Trichloroethane	7.616	97	45754	5.356	ug/l	99
36) 1,1-Dichloropropene	7.835	75	33834	4.899	ug/l	96
37) Ethyl Acetate	7.000	43	12892	4.822	ug/l #	91
38) Carbon Tetrachloride	7.823	117	42644	5.240	ug/l	98
39) Methylcyclohexane	9.115	83	42546	4.821	ug/l	98
40) Benzene	8.085	78	111697	5.131	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.268	41	18303	12.541	ug/l #	34
42) 1,2-Dichloroethane	8.164	62	29463	5.349	ug/l	100
43) Isopropyl Acetate	8.201	43	26616	5.298	ug/l	99
44) Trichloroethene	8.872	130	32002	5.118	ug/l	100
45) 1,2-Dichloropropane	9.146	63	25015	5.206	ug/l	98
46) Dibromomethane	9.237	93	16052	5.392	ug/l	97
47) Bromodichloromethane	9.426	83	38554	5.136	ug/l	99
48) Methyl methacrylate	9.225	41	11609	4.891	ug/l	96
49) 1,4-Dioxane	9.231	88	2951	96.859	ug/l #	92
51) 4-Methyl-2-Pentanone	9.999	43	62652	23.451	ug/l	99
52) Toluene	10.176	92	70784	5.093	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	30229	4.760	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	36918	4.852	ug/l	95
55) 1,1,2-Trichloroethane	10.573	97	20980	5.273	ug/l	92
56) Ethyl methacrylate	10.444	69	20021	4.567	ug/l	94
57) 1,3-Dichloropropane	10.719	76	32687	5.180	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	42206	20.982	ug/l	99
59) 2-Hexanone	10.762	43	45182	23.180	ug/l	96
60) Dibromochloromethane	10.914	129	27924	5.108	ug/l	100
61) 1,2-Dibromoethane	11.018	107	19999	5.356	ug/l	94
64) Tetrachloroethene	10.652	164	38209	5.174	ug/l	97
65) Chlorobenzene	11.444	112	79912	5.173	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	28216	5.166	ug/l	97
67) Ethyl Benzene	11.517	91	118648	4.746	ug/l	98
68) m/p-Xylenes	11.627	106	91486	9.159	ug/l	98
69) o-Xylene	11.956	106	42098	4.559	ug/l	97
70) Styrene	11.969	104	66580	4.370	ug/l	99
71) Bromoform	12.133	173	16639	5.216	ug/l #	100
73) Isopropylbenzene	12.255	105	110328	4.919	ug/l	99
74) N-amyl acetate	12.072	43	17636	4.644	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	20083	5.606	ug/l	95
76) 1,2,3-Trichloropropane	12.554	75	27684	10.200	ug/l #	100
77) Bromobenzene	12.529	156	31046	5.336	ug/l	95
78) n-propylbenzene	12.597	91	134412	5.095	ug/l	99
79) 2-Chlorotoluene	12.682	91	78615	5.135	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	89448	4.908	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	6144	5.116	ug/l	96
82) 4-Chlorotoluene	12.773	91	83470	5.287	ug/l	98
83) tert-Butylbenzene	12.993	119	81764	4.926	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	85155	4.718	ug/l	100
85) sec-Butylbenzene	13.176	105	116760	4.877	ug/l	98
86) p-Isopropyltoluene	13.292	119	93357	4.607	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	57948	5.061	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	60108	5.344	ug/l	95
89) n-Butylbenzene	13.615	91	82812	4.699	ug/l	99
90) Hexachloroethane	13.883	117	23023	5.287	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	52913	5.362	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3267	5.923	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	26269	4.654	ug/l	99
94) Hexachlorobutadiene	15.023	225	18977	5.131	ug/l	95
95) Naphthalene	15.145	128	34860	8.423	ug/l	97
96) 1,2,3-Trichlorobenzene	15.328	180	22842	4.844	ug/l	99

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Response via : Initial Calibration

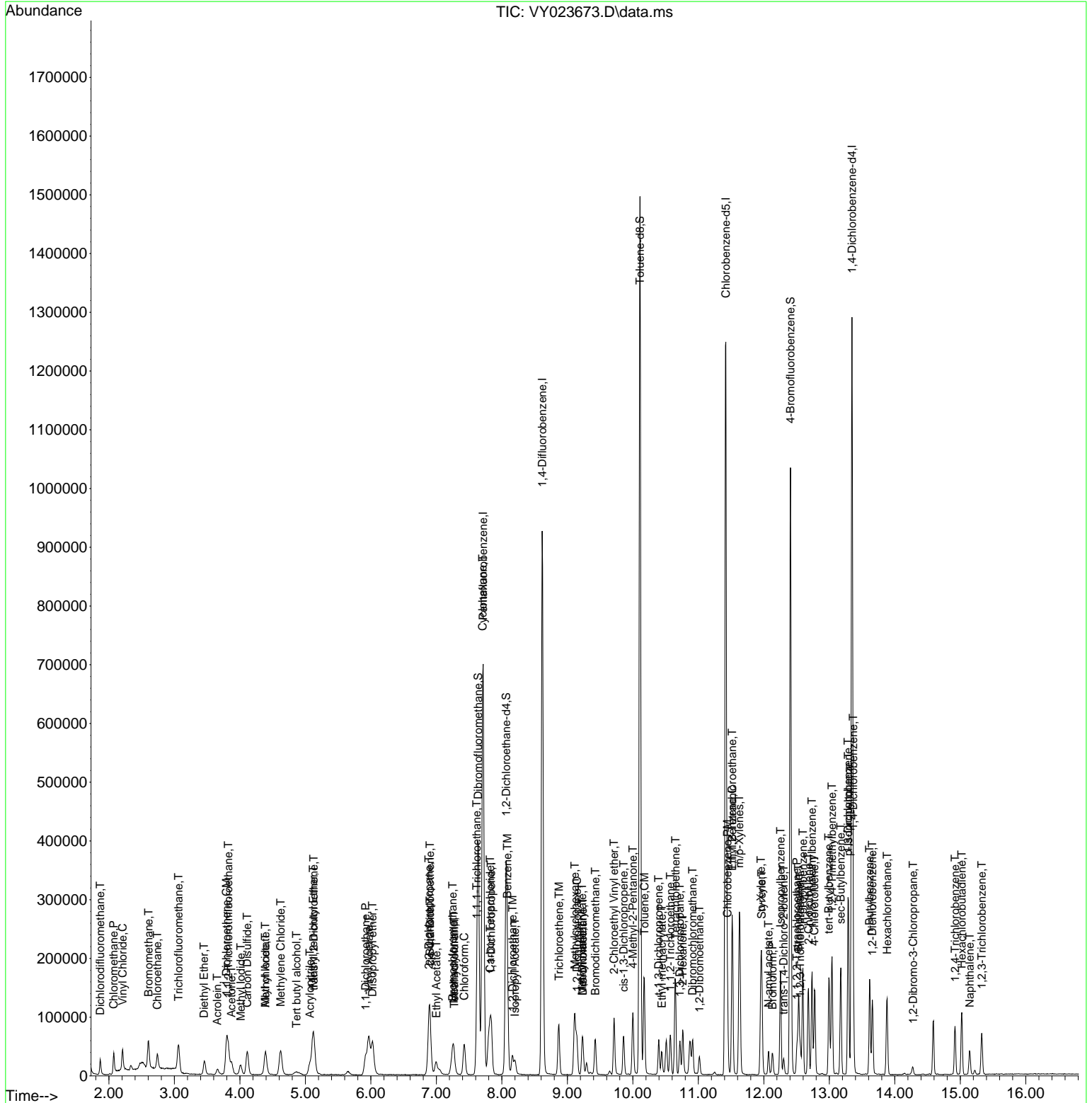
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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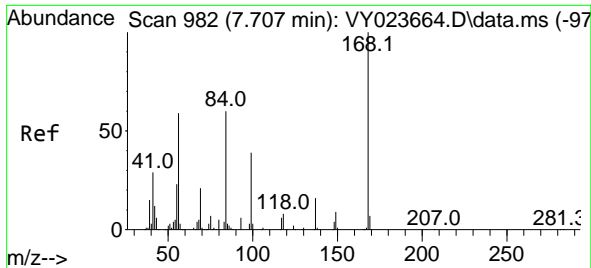
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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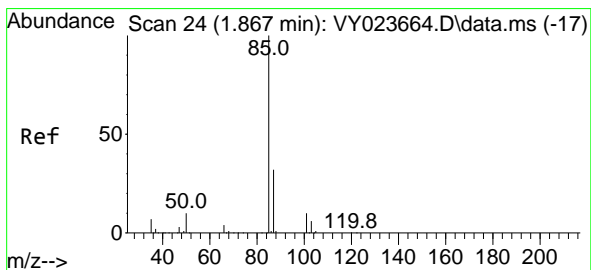
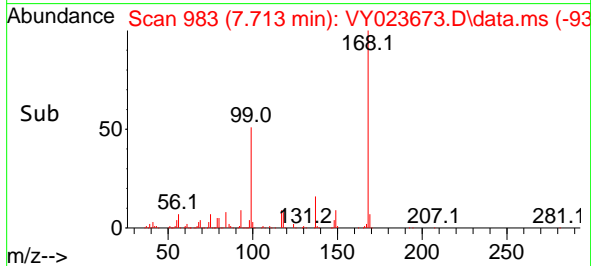
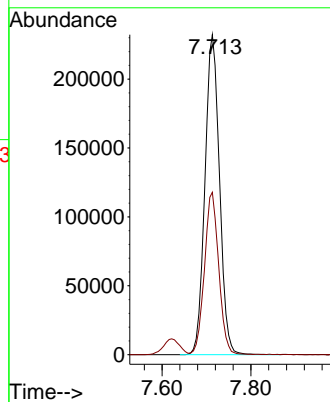
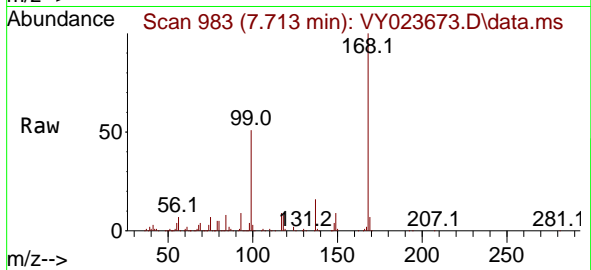




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.713 min Scan# 99
 Delta R.T. 0.006 min
 Lab File: VY023673.D
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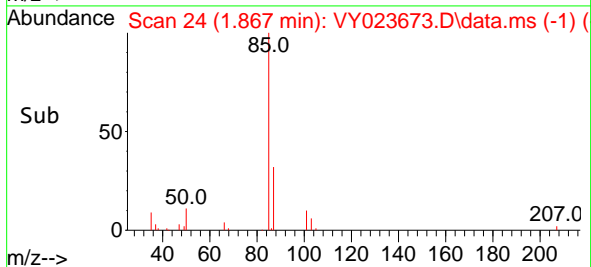
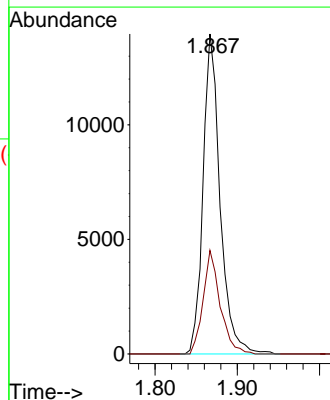
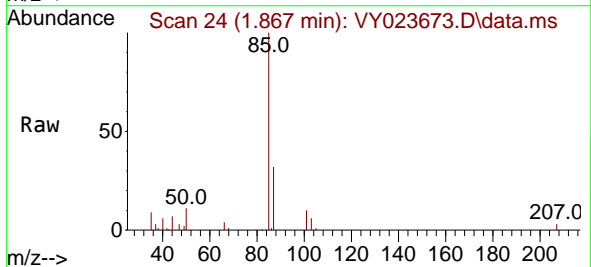
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

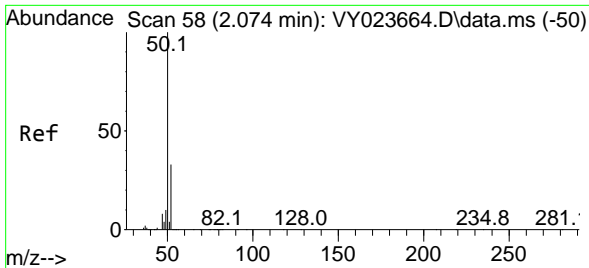
Tgt Ion:168 Resp: 530604
 Ion Ratio Lower Upper
 168 100
 99 50.7 41.0 61.4



#2
 Dichlorodifluoromethane
 Concen: 5.771 ug/l
 RT: 1.867 min Scan# 24
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion: 85 Resp: 20100
 Ion Ratio Lower Upper
 85 100
 87 32.4 16.2 48.6

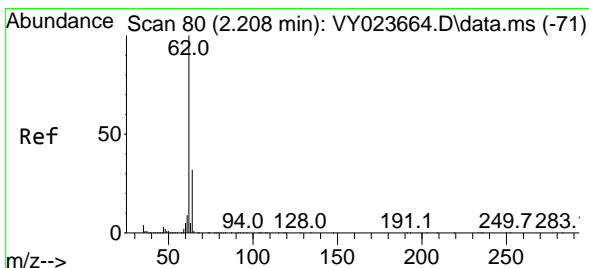
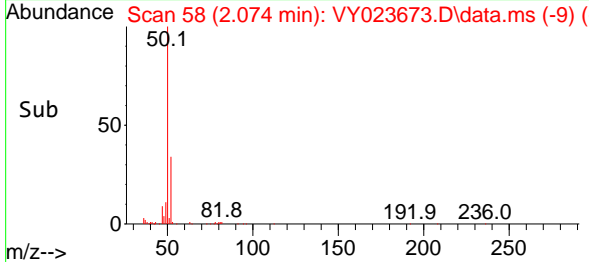
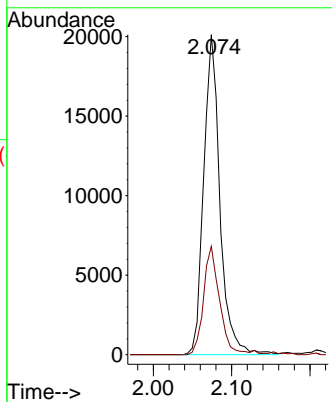
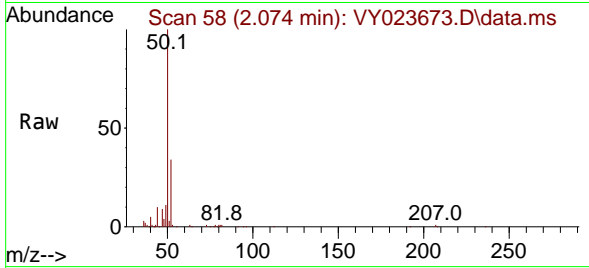




#3
 Chloromethane
 Concen: 5.930 ug/l
 RT: 2.074 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

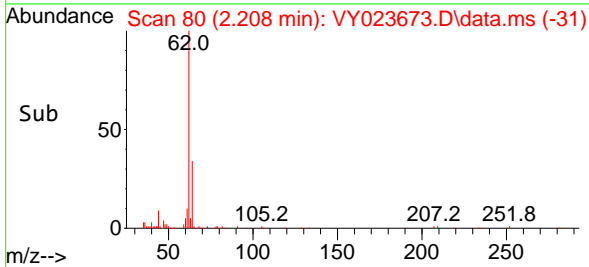
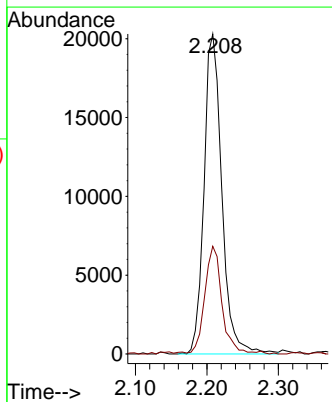
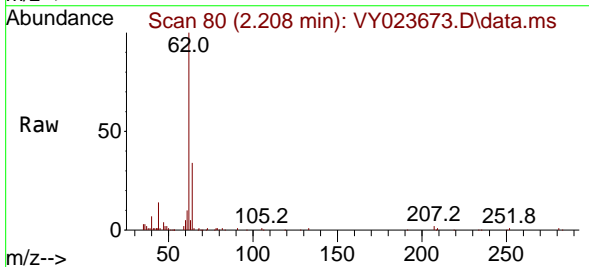
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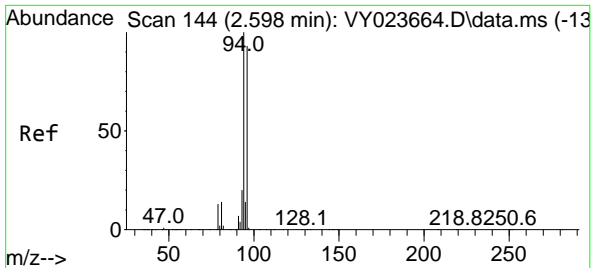
Tgt Ion: 50 Resp: 28904
 Ion Ratio Lower Upper
 50 100
 52 33.9 26.5 39.7



#4
 Vinyl Chloride
 Concen: 5.545 ug/l
 RT: 2.208 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion: 62 Resp: 35167
 Ion Ratio Lower Upper
 62 100
 64 33.6 25.7 38.5

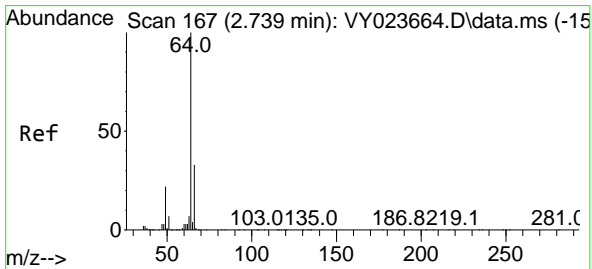
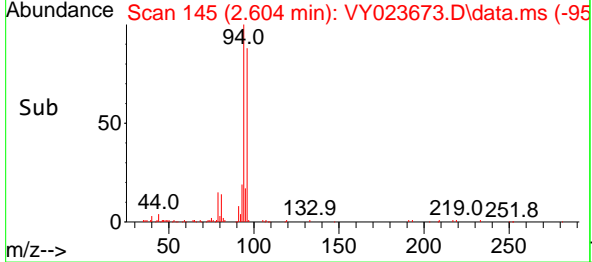
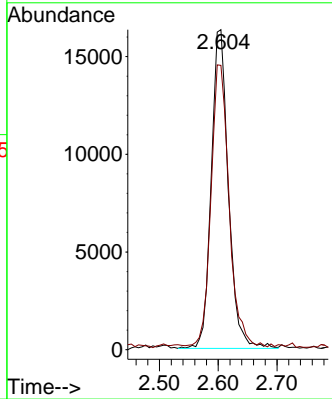
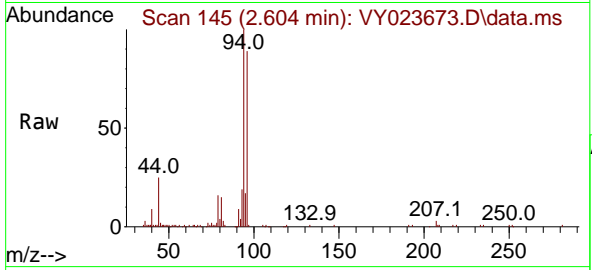




#5
 Bromomethane
 Concen: 6.198 ug/l
 RT: 2.604 min Scan# 14
 Delta R.T. 0.006 min
 Lab File: VY023673.D
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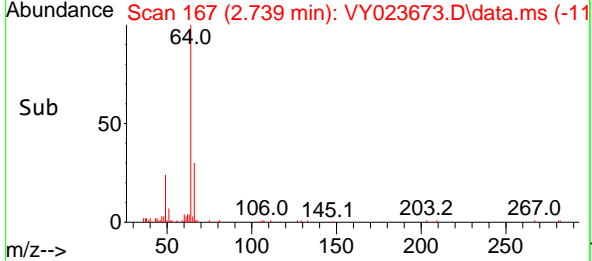
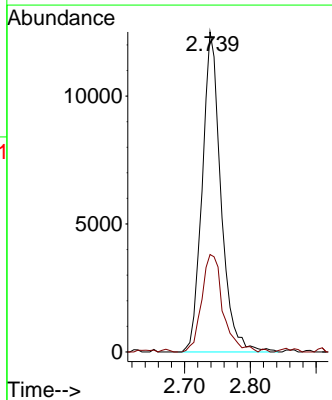
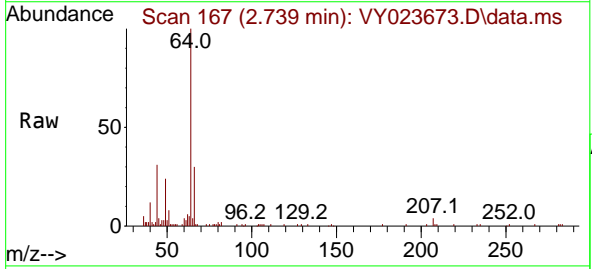
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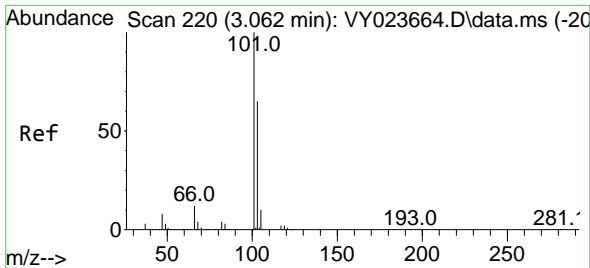
Tgt Ion: 94 Resp: 33066
 Ion Ratio Lower Upper
 94 100
 96 87.7 74.4 111.6



#6
 Chloroethane
 Concen: 5.646 ug/l
 RT: 2.739 min Scan# 167
 Delta R.T. -0.000 min
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Tgt Ion: 64 Resp: 24749
 Ion Ratio Lower Upper
 64 100
 66 30.4 26.2 39.4

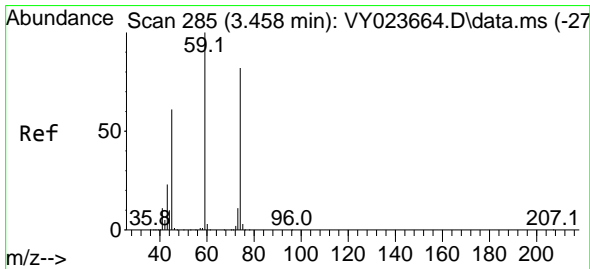
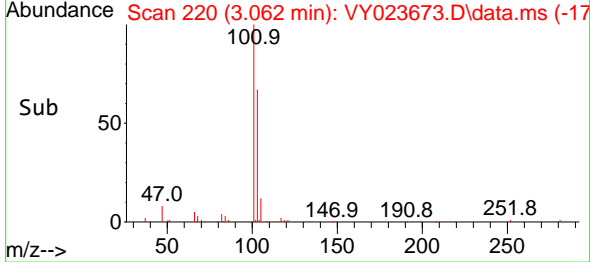
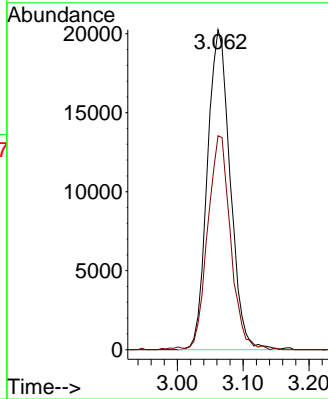
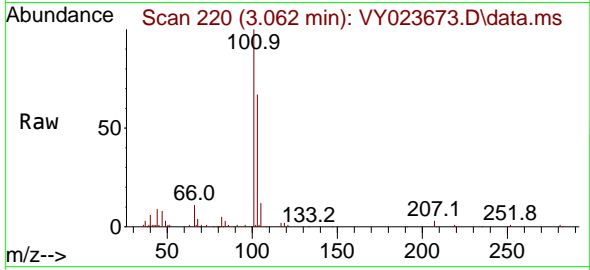




#7
 Trichlorofluoromethane
 Concen: 5.461 ug/l
 RT: 3.062 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

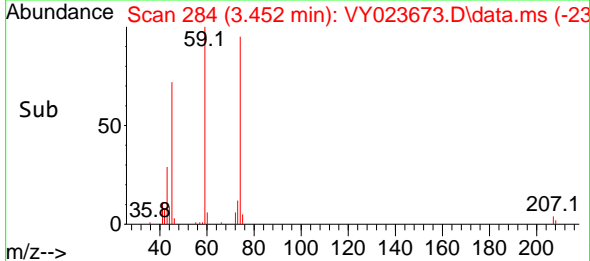
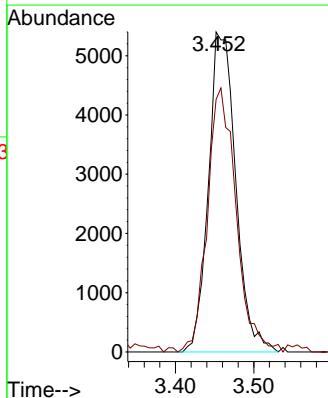
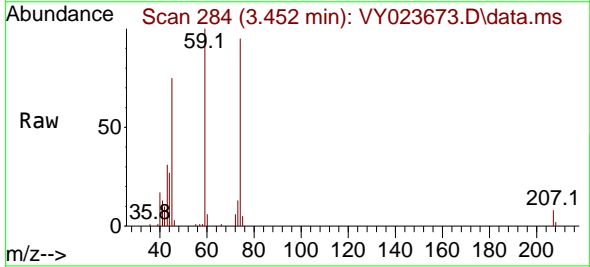
Instrument : MSVOA_Y
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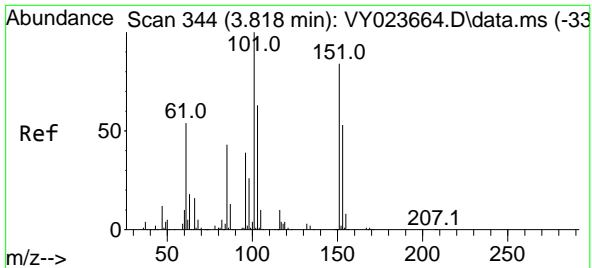
Tgt Ion: 101 Resp: 48782
 Ion Ratio Lower Upper
 101 100
 103 66.5 52.1 78.1



#8
 Diethyl Ether
 Concen: 5.458 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. -0.006 min
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Tgt Ion: 74 Resp: 13075
 Ion Ratio Lower Upper
 74 100
 45 86.6 40.6 121.7

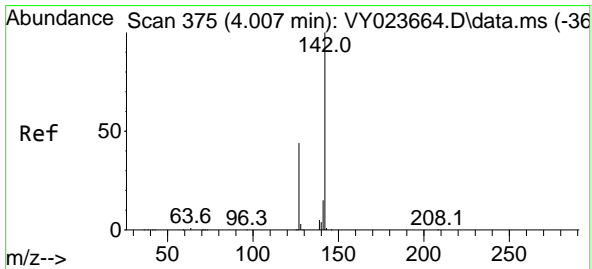
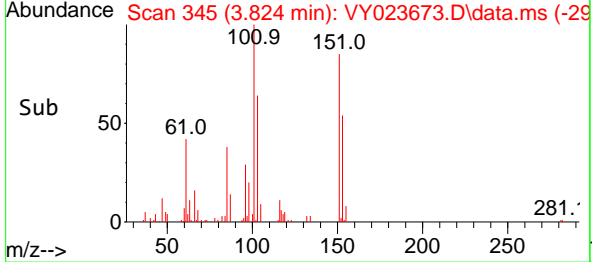
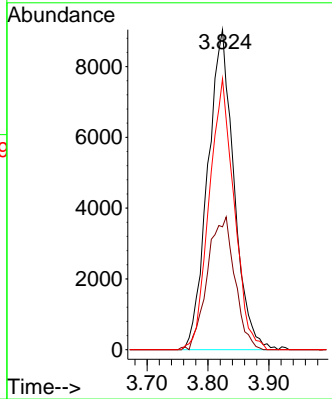
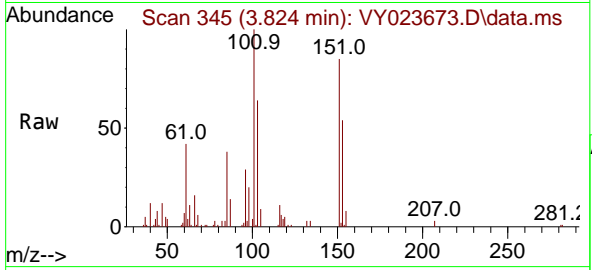




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.484 ug/l
 RT: 3.824 min Scan# 344
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

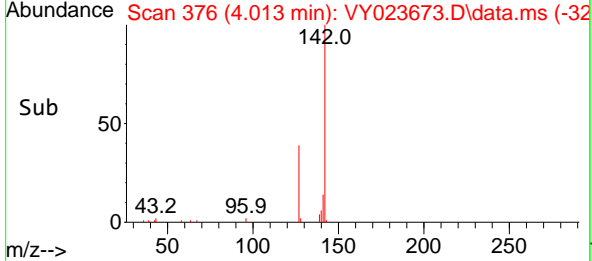
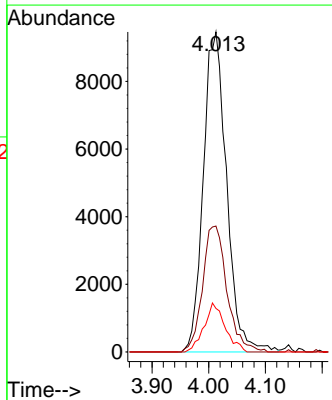
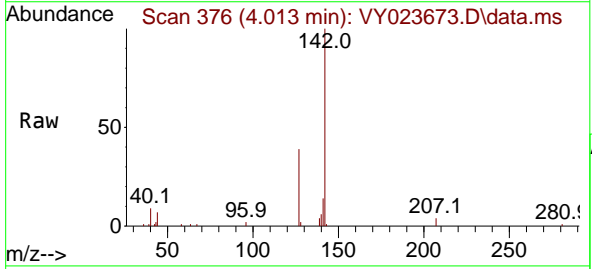
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

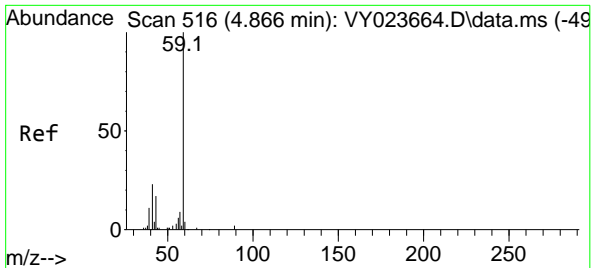
Tgt Ion	Resp	Lower	Upper
101	26991		
101	100		
85	43.4	34.4	51.6
151	80.5	65.6	98.4



#10
 Methyl Iodide
 Concen: 4.641 ug/l
 RT: 4.013 min Scan# 376
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion	Resp	Lower	Upper
142	26971		
142	100		
127	41.3	34.6	51.8
141	13.9	11.6	17.4

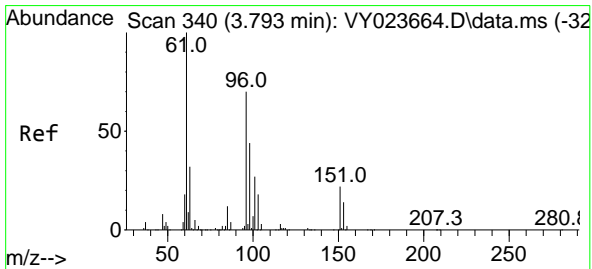
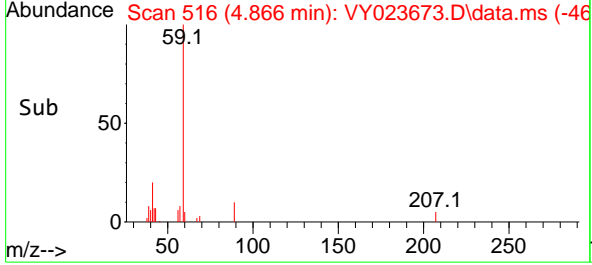
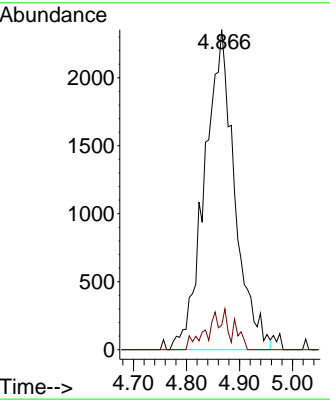
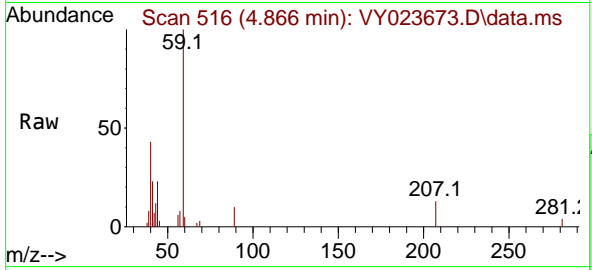




#11
 Tert butyl alcohol
 Concen: 31.691 ug/l
 RT: 4.866 min Scan# 516
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

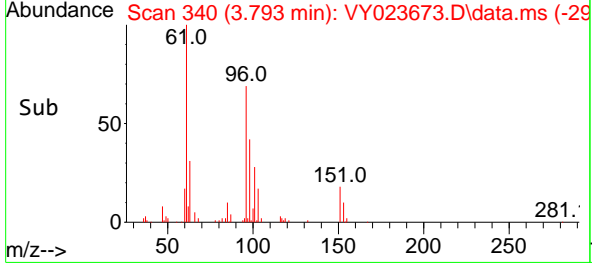
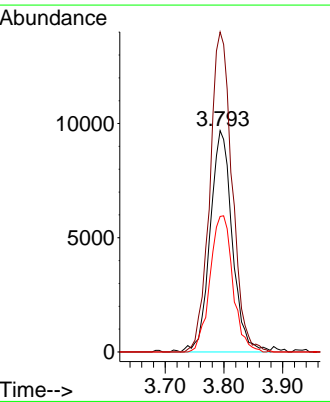
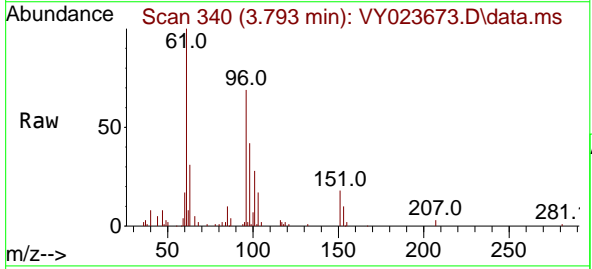
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

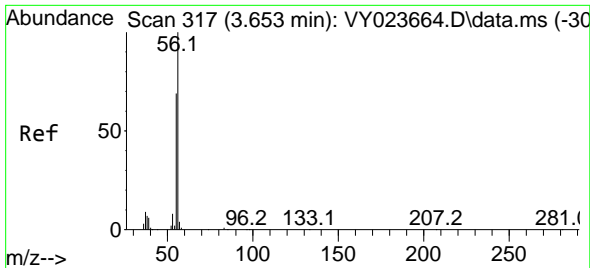
Tgt Ion: 59 Resp: 9249
 Ion Ratio Lower Upper
 59 100
 57 5.2 7.4 11.2#



#12
 1,1-Dichloroethene
 Concen: 5.355 ug/l
 RT: 3.793 min Scan# 340
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

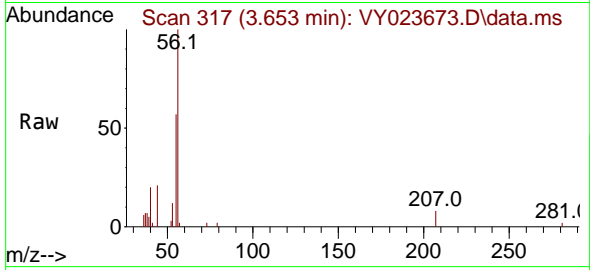
Tgt Ion: 96 Resp: 25386
 Ion Ratio Lower Upper
 96 100
 61 144.6 114.0 171.0
 98 61.3 50.2 75.2



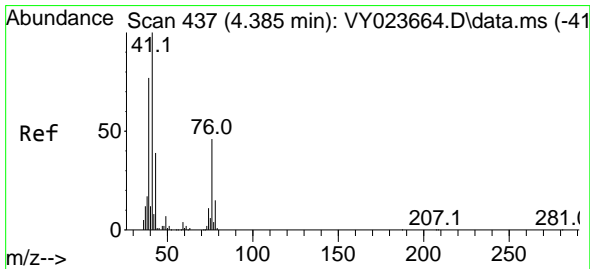
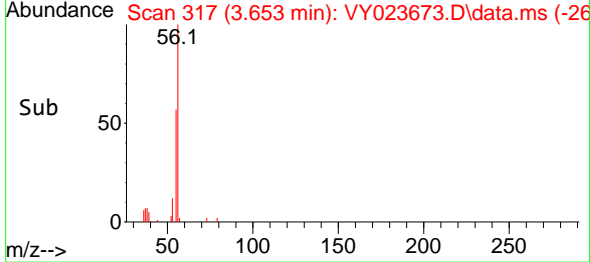
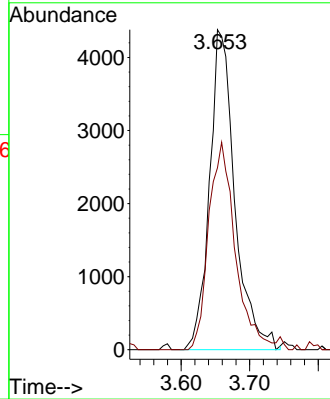


#13
 Acrolein
 Concen: 29.903 ug/l
 RT: 3.653 min Scan# 317
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

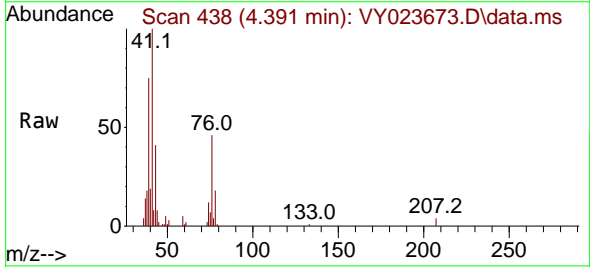
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



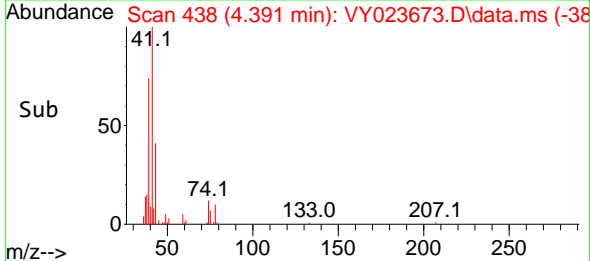
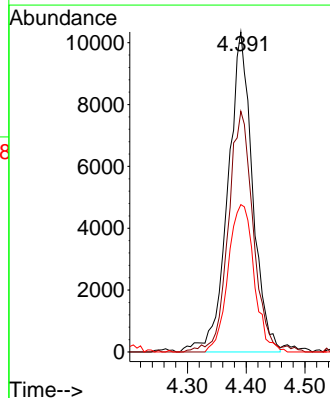
Tgt Ion: 56 Resp: 11217
 Ion Ratio Lower Upper
 56 100
 55 67.9 56.6 84.8

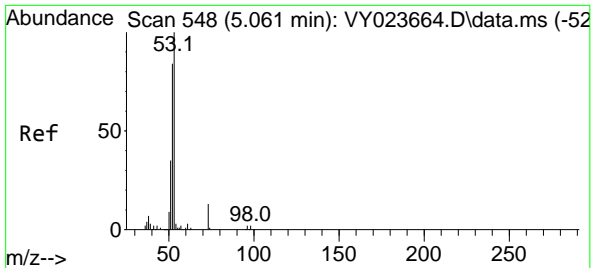


#14
 Allyl chloride
 Concen: 5.217 ug/l
 RT: 4.391 min Scan# 438
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53



Tgt Ion: 41 Resp: 30104
 Ion Ratio Lower Upper
 41 100
 39 76.4 60.4 90.6
 76 48.7 38.0 57.0



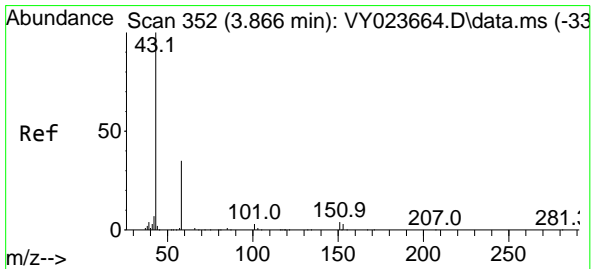
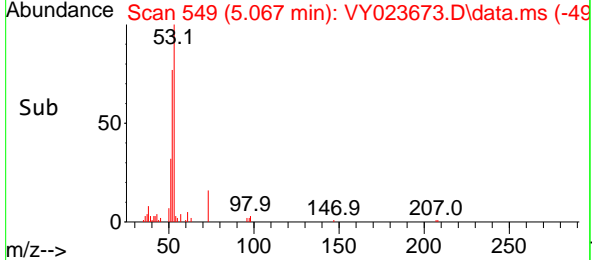
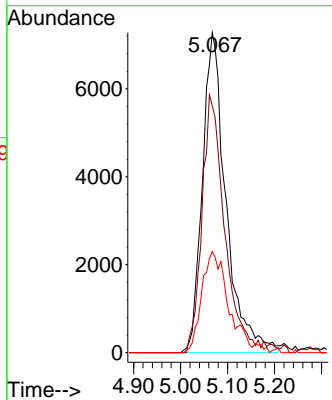
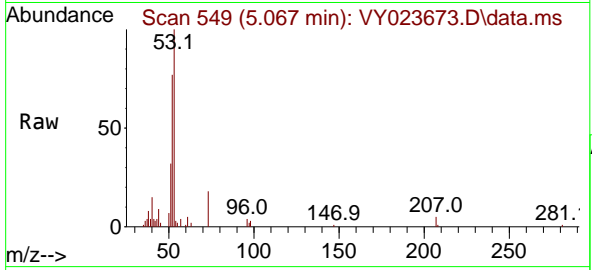


#15
 Acrylonitrile
 Concen: 27.755 ug/l
 RT: 5.067 min Scan# 54
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 53 Resp: 25407

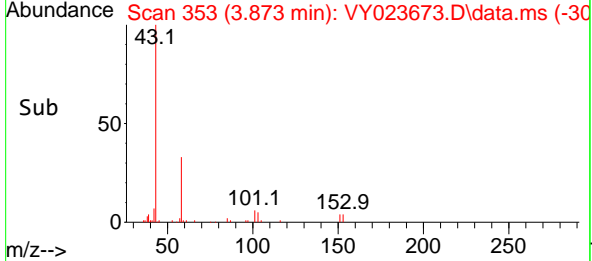
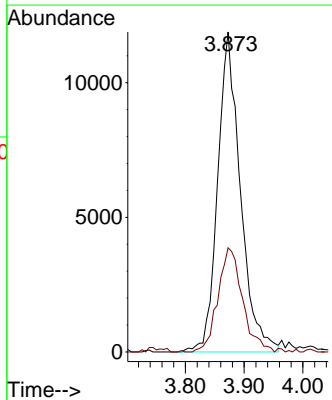
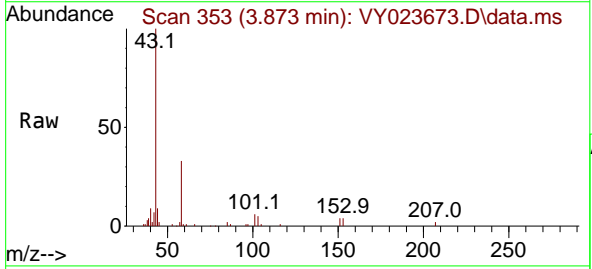
Ion	Ratio	Lower	Upper
53	100		
52	76.7	64.9	97.3
51	35.4	29.4	44.0

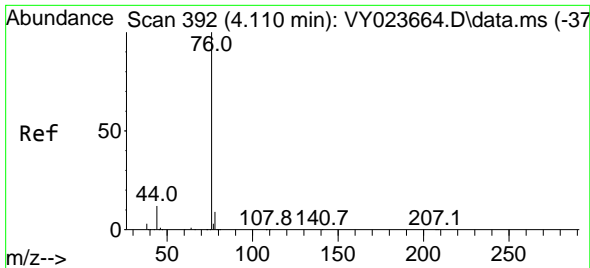


#16
 Acetone
 Concen: 28.346 ug/l
 RT: 3.873 min Scan# 353
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion: 43 Resp: 31891

Ion	Ratio	Lower	Upper
43	100		
58	32.6	28.2	42.4

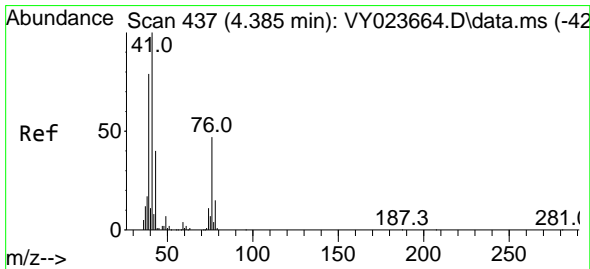
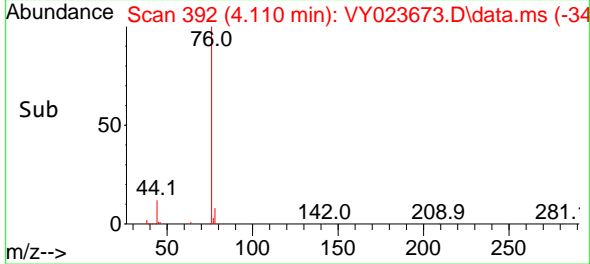
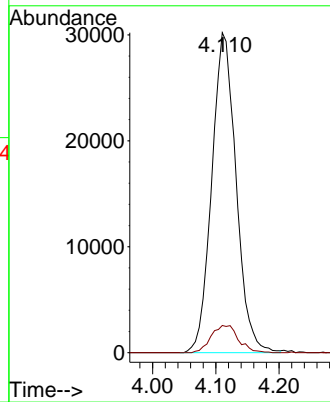
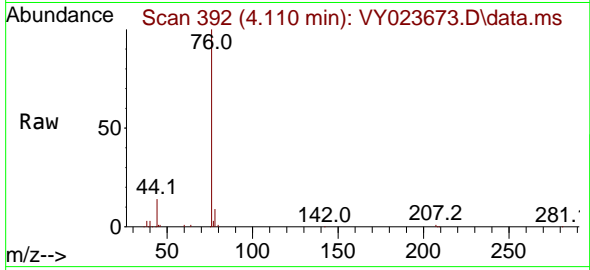




#17
 Carbon Disulfide
 Concen: 5.547 ug/l
 RT: 4.110 min Scan# 391
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

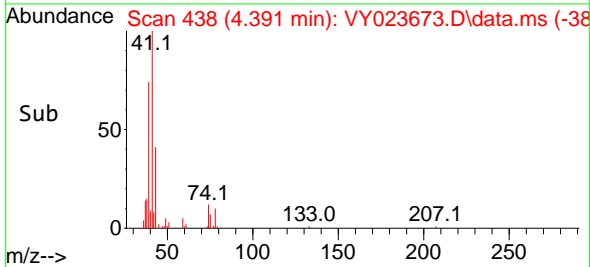
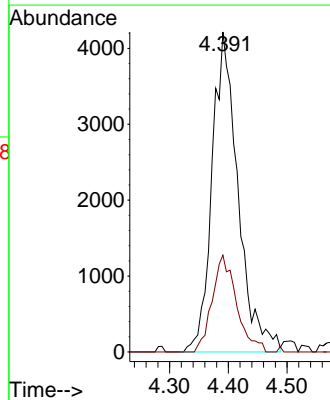
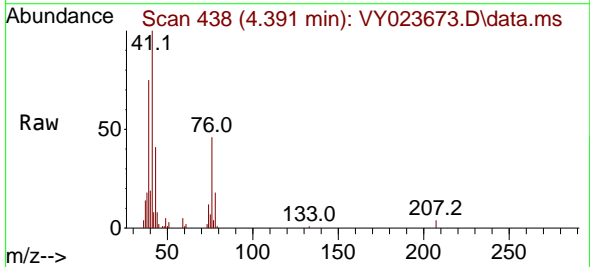
Instrument : MSVOA_Y
 ClientSampleId : VY023673.D
 LOD-MDL-SOIL-01-QT4-2025

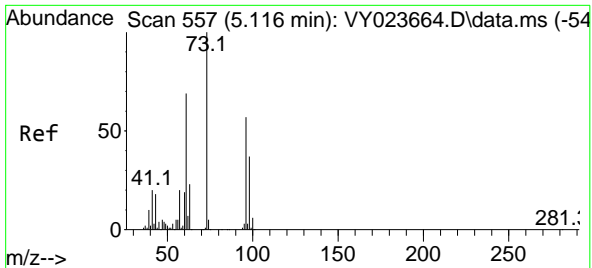
Tgt Ion: 76 Resp: 80708
 Ion Ratio Lower Upper
 76 100
 78 8.5 7.1 10.7



#18
 Methyl Acetate
 Concen: 5.224 ug/l
 RT: 4.391 min Scan# 438
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion: 43 Resp: 12963
 Ion Ratio Lower Upper
 43 100
 74 28.3 22.5 33.7

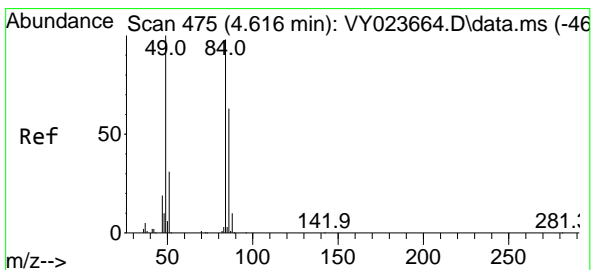
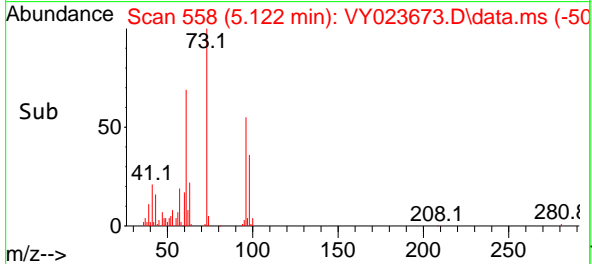
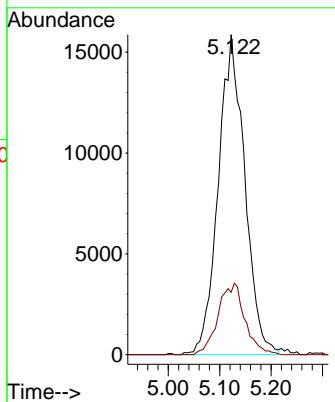
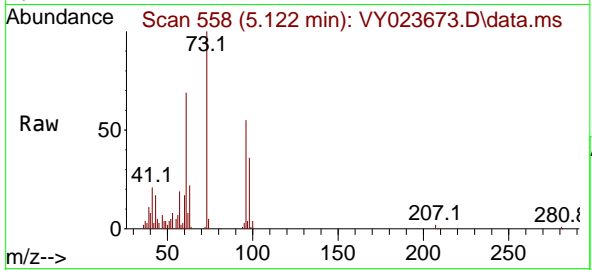




#19
 Methyl tert-butyl Ether
 Concen: 5.168 ug/l
 RT: 5.122 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

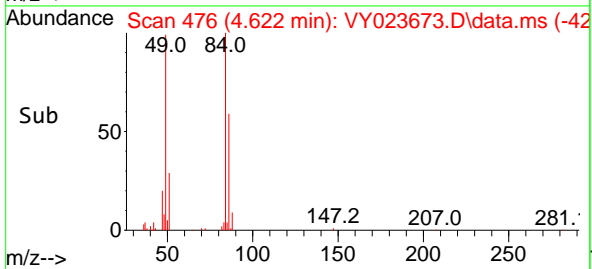
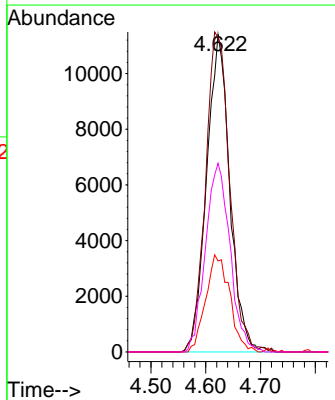
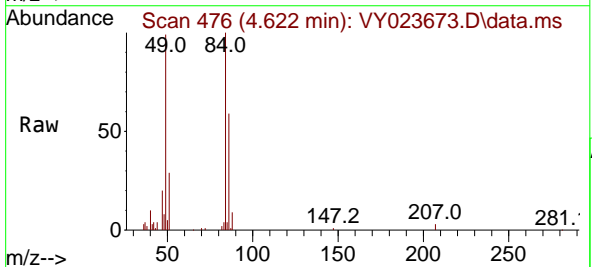
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

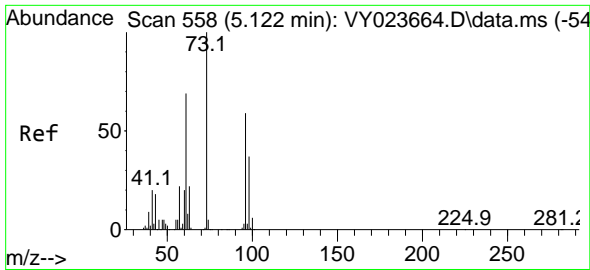
Tgt Ion: 73 Resp: 56811
 Ion Ratio Lower Upper
 73 100
 57 19.5 16.1 24.1



#20
 Methylene Chloride
 Concen: 6.165 ug/l
 RT: 4.622 min Scan# 476
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

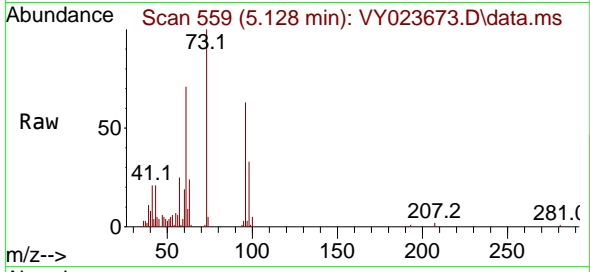
Tgt Ion: 84 Resp: 33481
 Ion Ratio Lower Upper
 84 100
 49 99.0 81.5 122.3
 51 28.7 25.5 38.3
 86 59.4 51.2 76.8



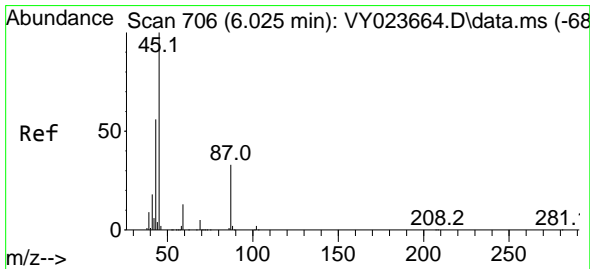
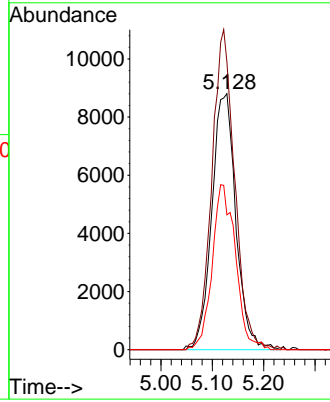
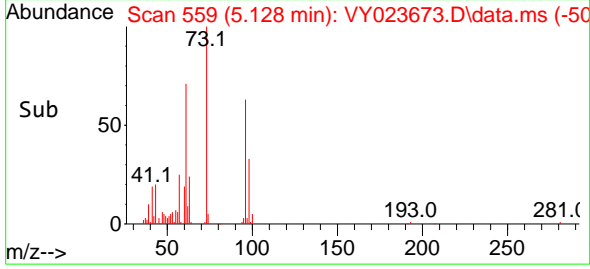


#21
 trans-1,2-Dichloroethene
 Concen: 5.362 ug/l
 RT: 5.128 min Scan# 511
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

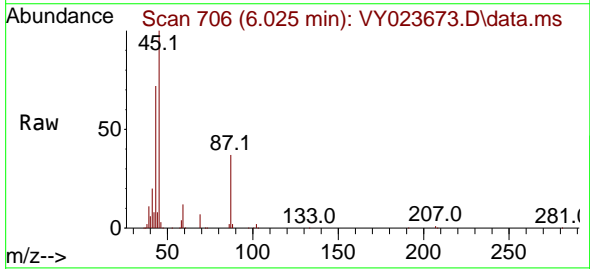
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



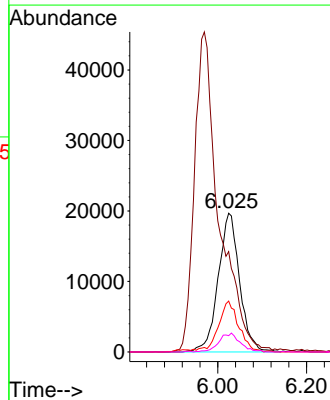
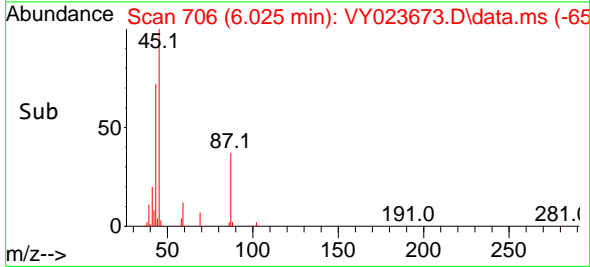
Tgt Ion: 96 Resp: 28664
 Ion Ratio Lower Upper
 96 100
 61 112.3 93.3 139.9
 98 52.7 50.6 75.8

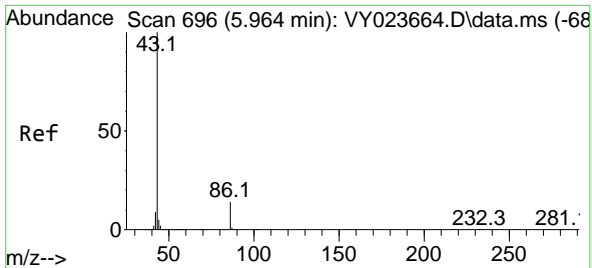


#22
 Diisopropyl ether
 Concen: 5.099 ug/l
 RT: 6.025 min Scan# 706
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53



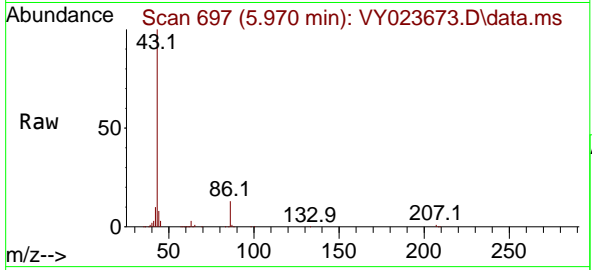
Tgt Ion: 45 Resp: 65558
 Ion Ratio Lower Upper
 45 100
 43 70.3 44.7 67.1#
 87 36.7 27.2 40.8
 59 11.7 10.2 15.4



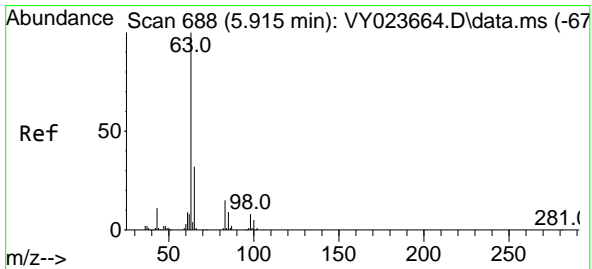
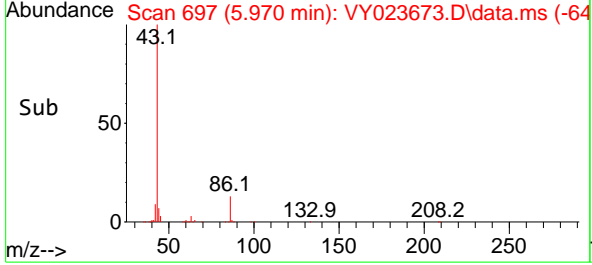
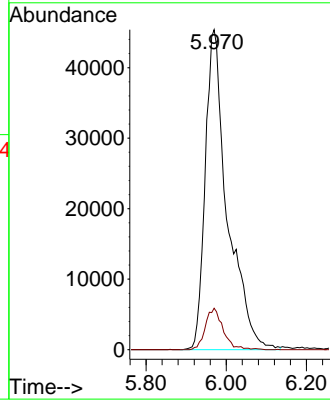


#23
 Vinyl Acetate
 Concen: 25.376 ug/l
 RT: 5.970 min Scan# 64
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

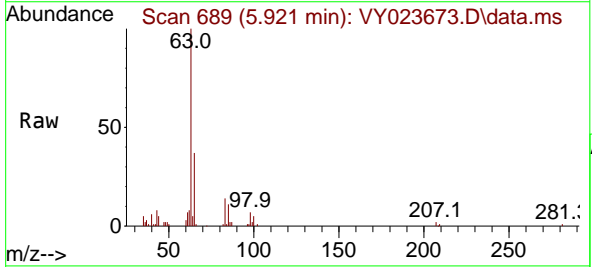
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



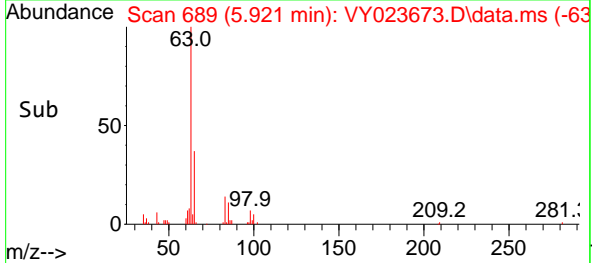
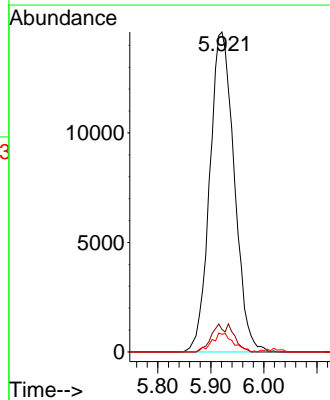
Tgt Ion: 43 Resp: 174118
 Ion Ratio Lower Upper
 43 100
 86 13.0 10.9 16.3

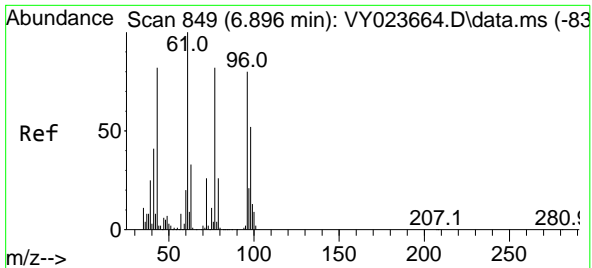


#24
 1,1-Dichloroethane
 Concen: 5.465 ug/l
 RT: 5.921 min Scan# 689
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53



Tgt Ion: 63 Resp: 46815
 Ion Ratio Lower Upper
 63 100
 98 7.0 4.0 11.9
 100 5.5 2.6 7.8

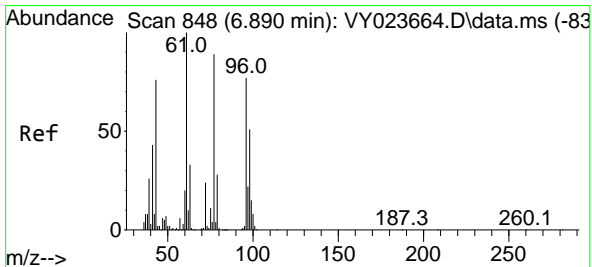
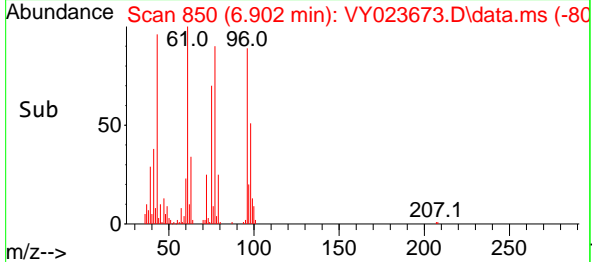
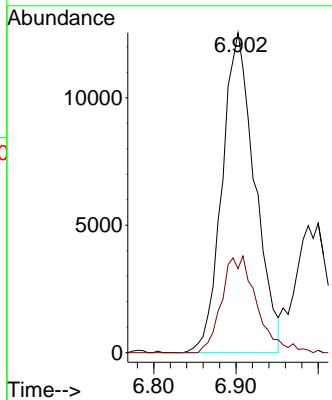
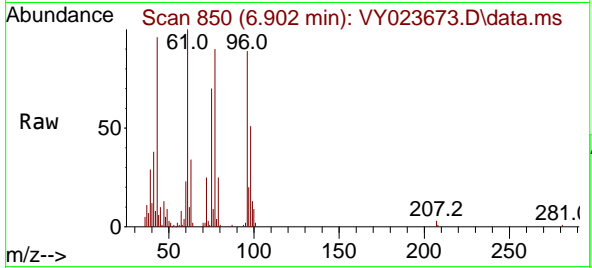




#25
 2-Butanone
 Concen: 26.726 ug/l
 RT: 6.902 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

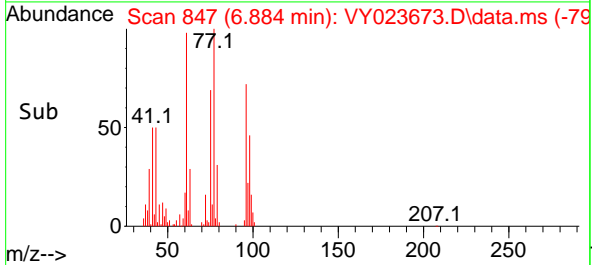
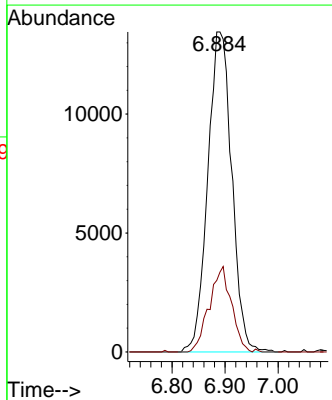
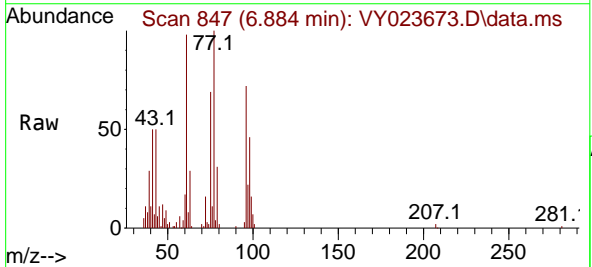
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

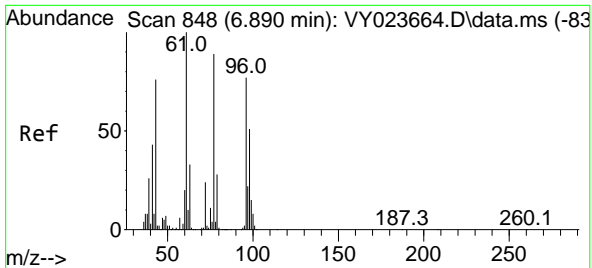
Tgt Ion: 43 Resp: 34765
 Ion Ratio Lower Upper
 43 100
 72 26.3 25.7 38.5



#26
 2,2-Dichloropropane
 Concen: 5.365 ug/l
 RT: 6.884 min Scan# 847
 Delta R.T. -0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion: 77 Resp: 42275
 Ion Ratio Lower Upper
 77 100
 97 24.7 12.0 36.1

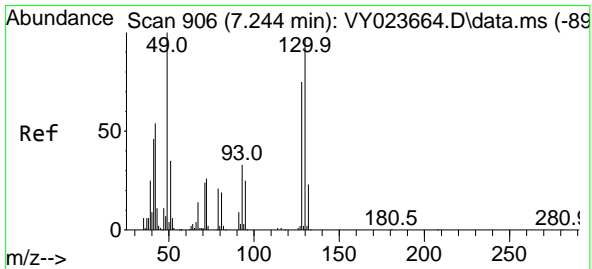
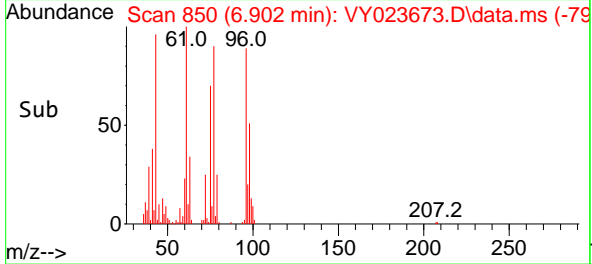
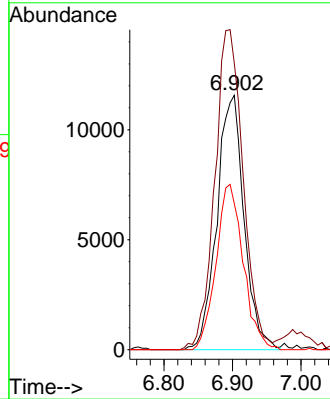
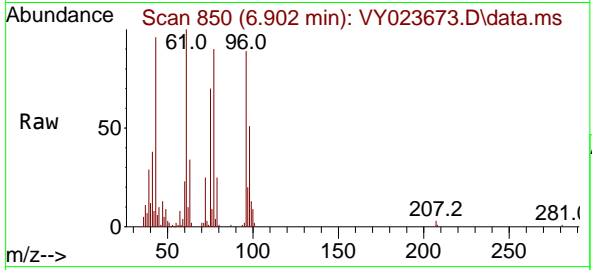




#27
 cis-1,2-Dichloroethene
 Concen: 5.211 ug/l
 RT: 6.902 min Scan# 848
 Delta R.T. 0.012 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

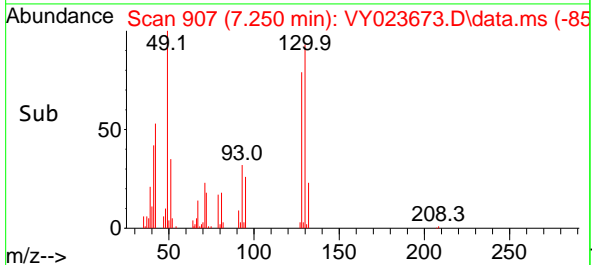
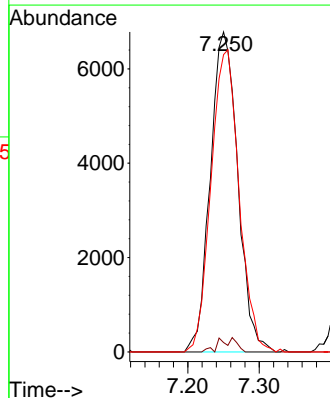
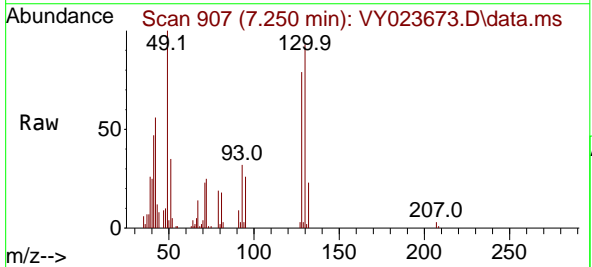
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

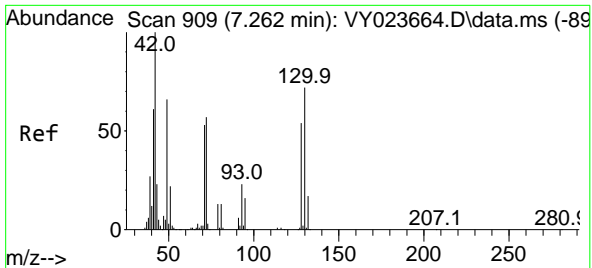
Tgt Ion: 96 Resp: 31810
 Ion Ratio Lower Upper
 96 100
 61 131.3 0.0 255.0
 98 65.1 0.0 129.8



#28
 Bromochloromethane
 Concen: 5.526 ug/l
 RT: 7.250 min Scan# 907
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion: 49 Resp: 18124
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 5.0
 130 96.3 80.1 120.1



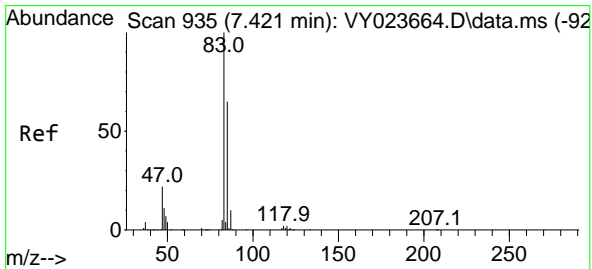
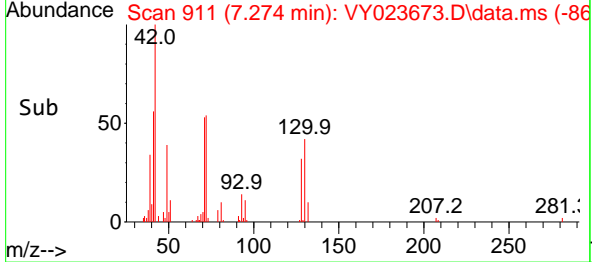
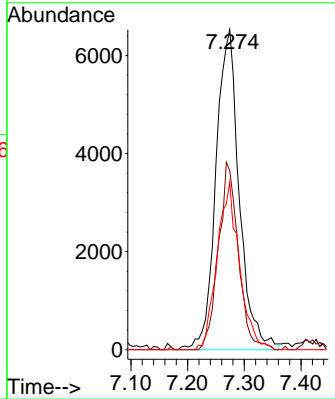
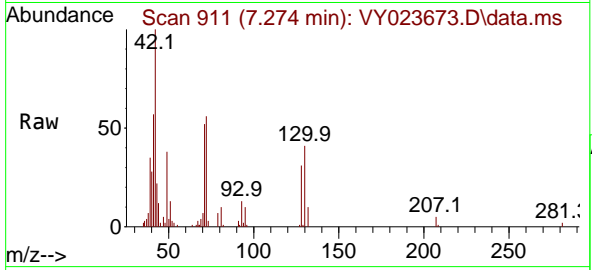


#29
 Tetrahydrofuran
 Concen: 26.962 ug/l
 RT: 7.274 min Scan# 911
 Delta R.T. 0.012 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 42 Resp: 18678

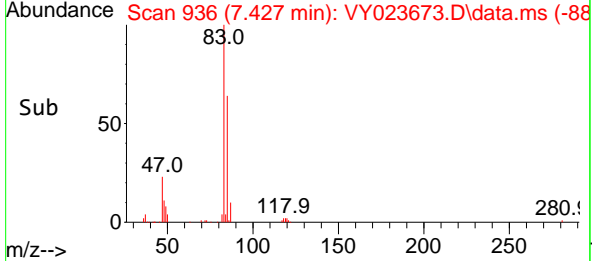
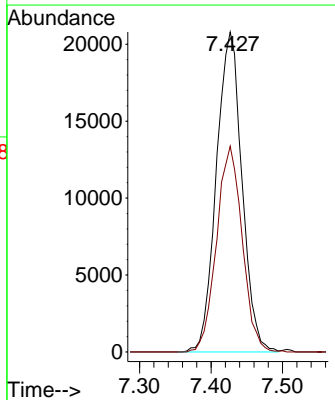
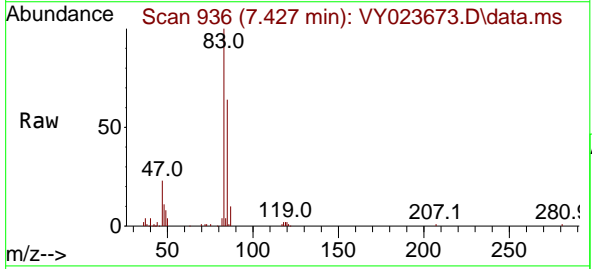
Ion	Ratio	Lower	Upper
42	100		
72	50.0	43.4	65.2
71	49.8	40.7	61.1

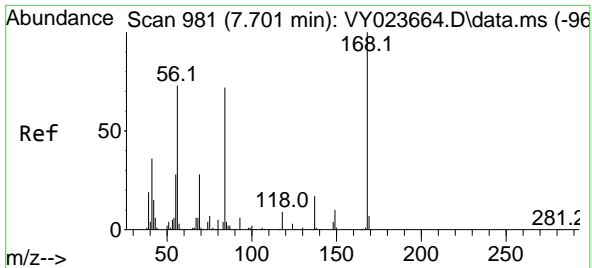


#30
 Chloroform
 Concen: 5.404 ug/l
 RT: 7.427 min Scan# 936
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion: 83 Resp: 51648

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.1	78.1



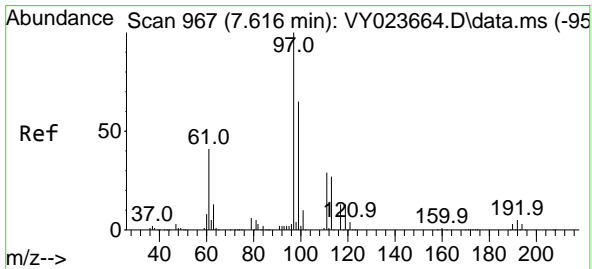
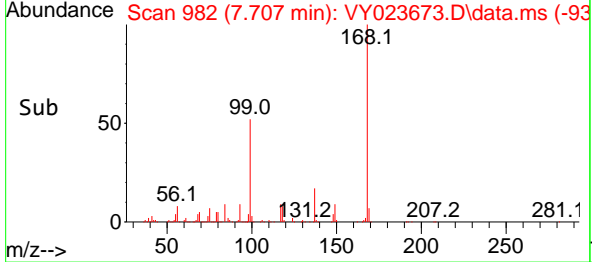
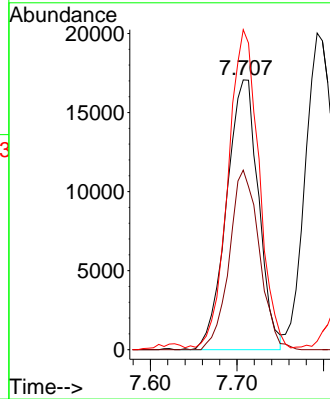
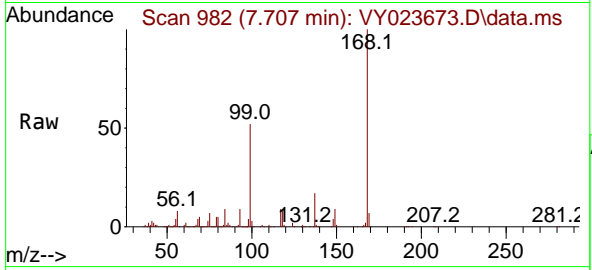


#31
 Cyclohexane
 Concen: 5.868 ug/l
 RT: 7.707 min Scan# 981
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 56 Resp: 43773

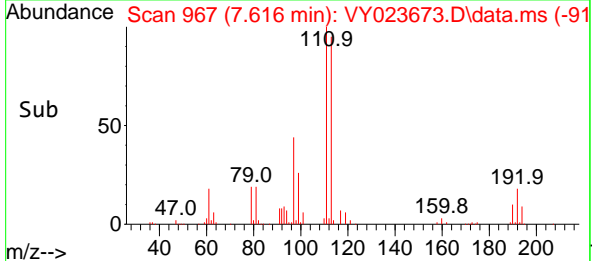
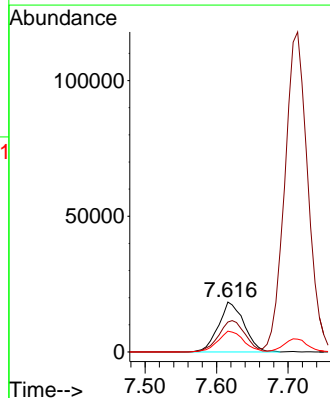
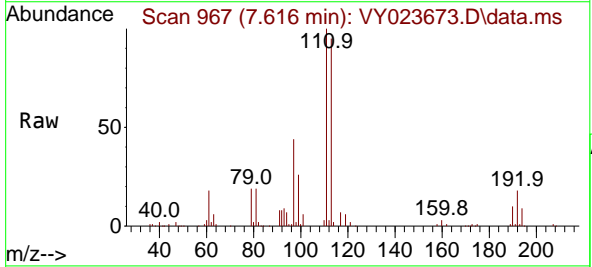
Ion	Ratio	Lower	Upper
56	100		
69	66.5	30.5	45.7#
84	117.0	79.0	118.4

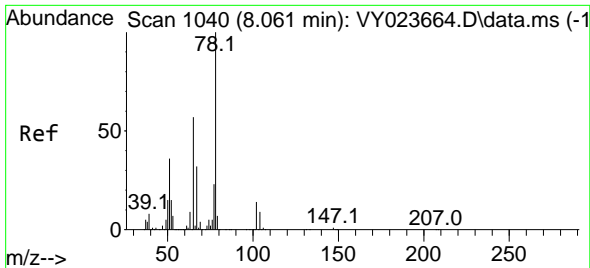


#32
 1,1,1-Trichloroethane
 Concen: 5.356 ug/l
 RT: 7.616 min Scan# 967
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion: 97 Resp: 45754

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	42.0	32.5	48.7

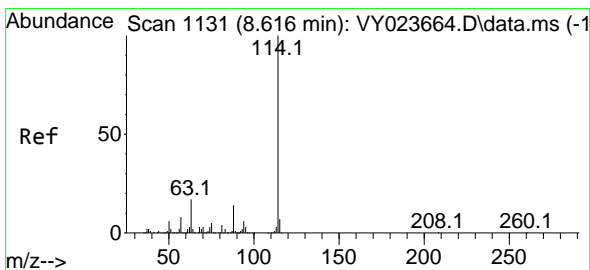
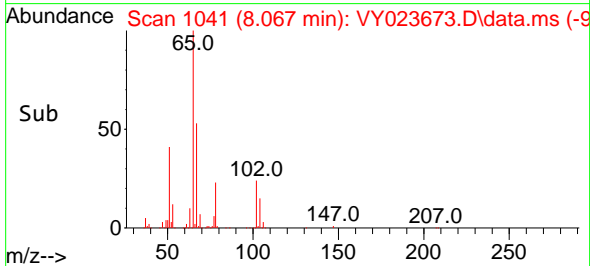
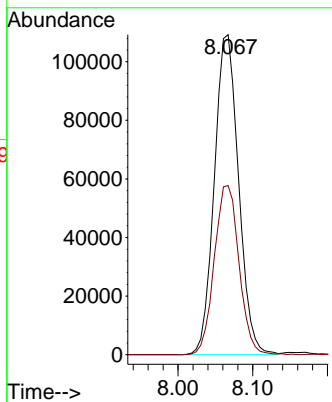
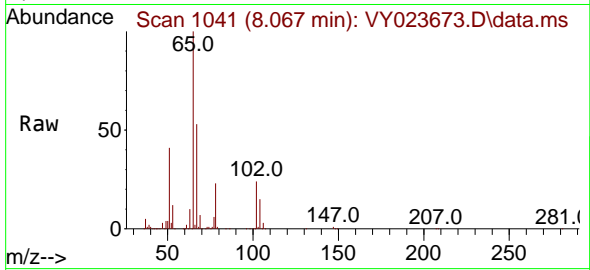




#33
 1,2-Dichloroethane-d4
 Concen: 54.387 ug/l
 RT: 8.067 min Scan# 1041
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

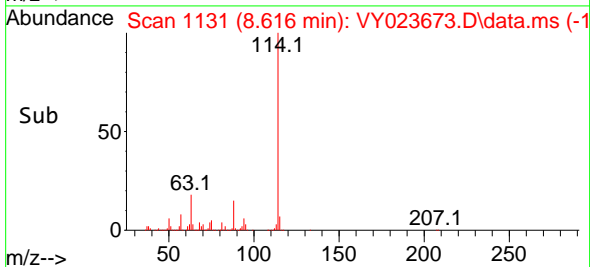
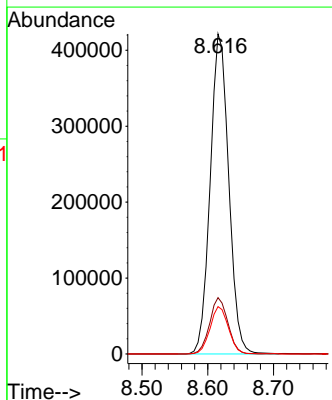
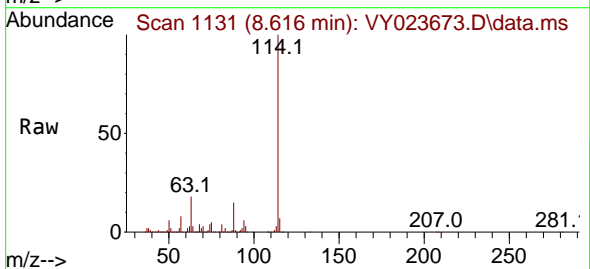
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

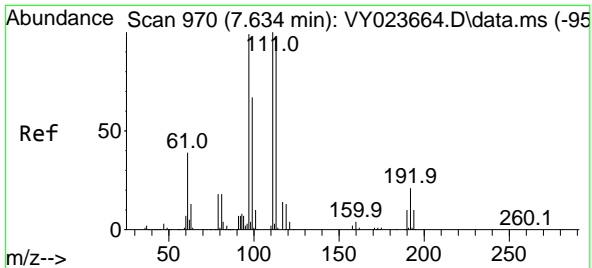
Tgt Ion: 65 Resp: 246162
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion:114 Resp: 827084
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 33.8
 88 14.8 0.0 29.0



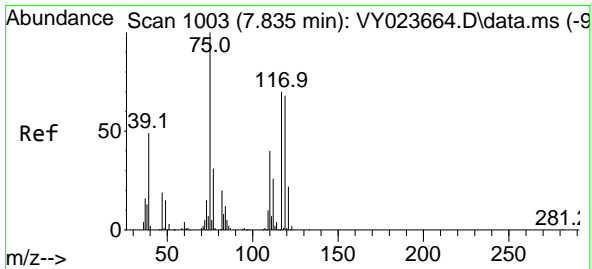
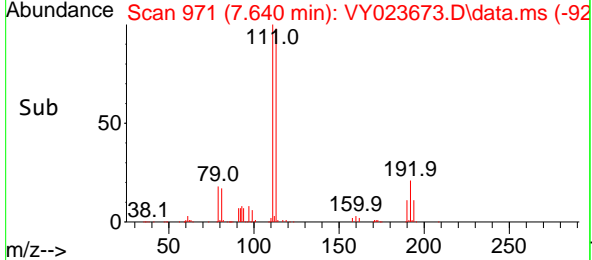
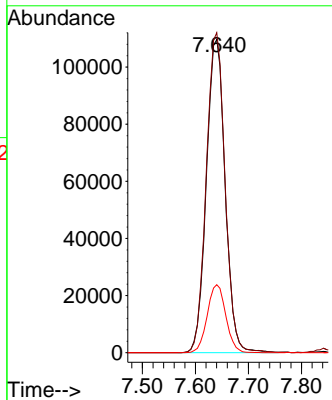
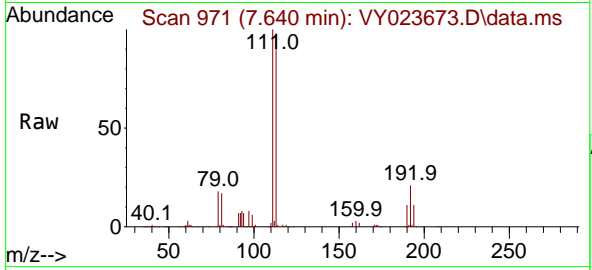


#35
 Dibromofluoromethane
 Concen: 52.174 ug/l
 RT: 7.640 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:113 Resp: 269671

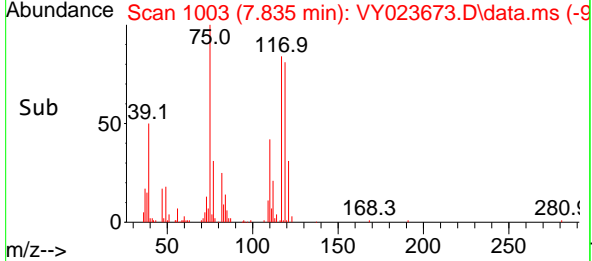
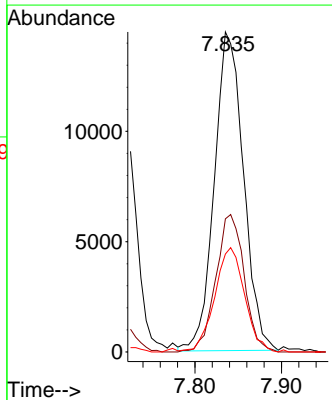
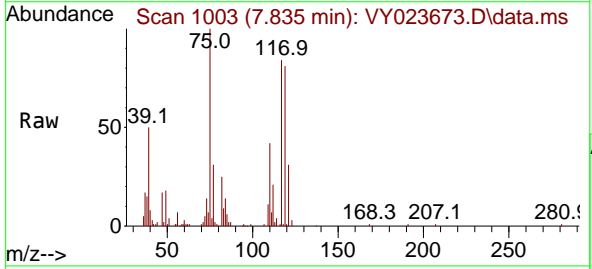
Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.4
192	21.5	17.3	25.9

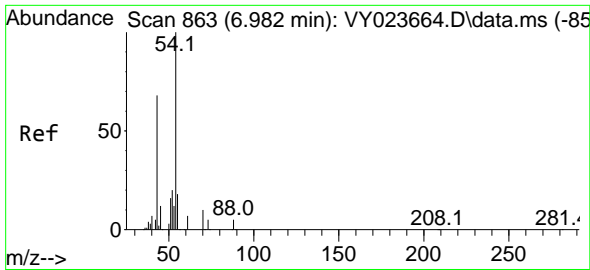


#36
 1,1-Dichloropropene
 Concen: 4.899 ug/l
 RT: 7.835 min Scan# 1003
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion: 75 Resp: 33834

Ion	Ratio	Lower	Upper
75	100		
110	41.8	19.7	59.0
77	33.5	25.2	37.8

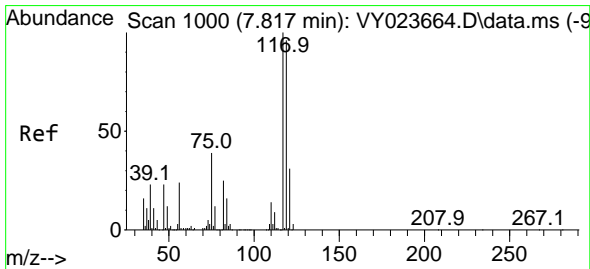
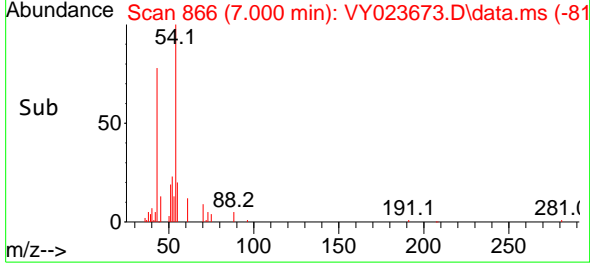
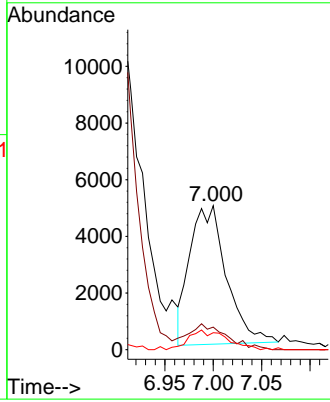
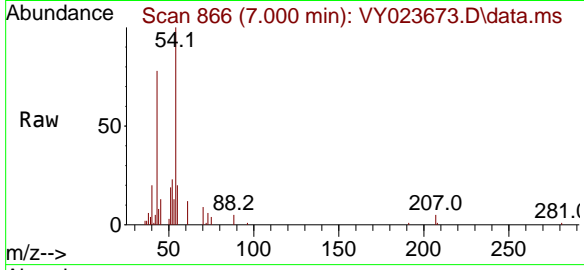




#37
 Ethyl Acetate
 Concen: 4.822 ug/l
 RT: 7.000 min Scan# 80
 Delta R.T. 0.018 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

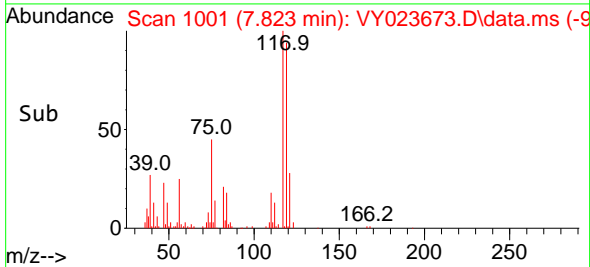
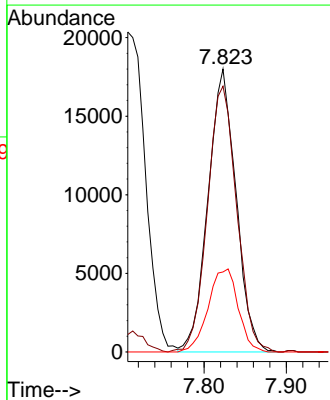
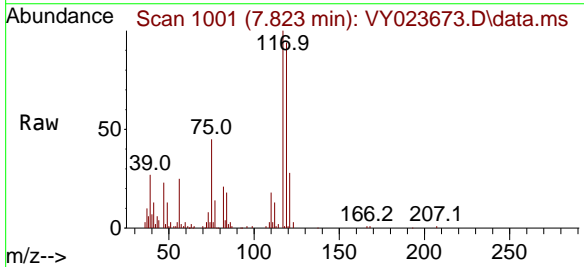
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

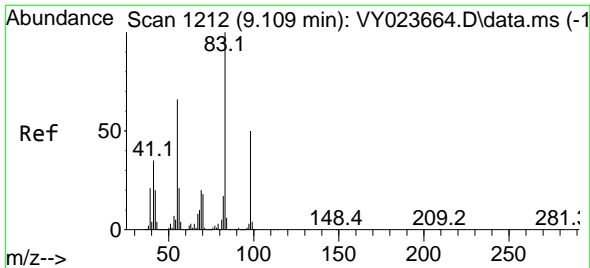
Tgt Ion: 43 Resp: 12892
 Ion Ratio Lower Upper
 43 100
 61 20.1 12.4 18.6#
 70 14.7 9.8 14.8



#38
 Carbon Tetrachloride
 Concen: 5.240 ug/l
 RT: 7.823 min Scan# 1001
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

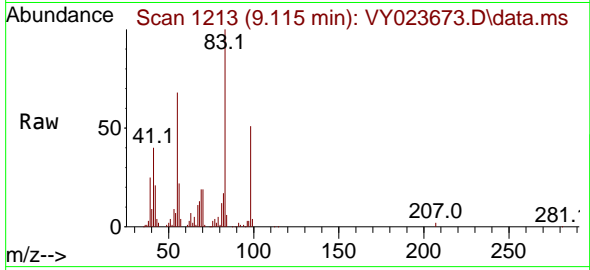
Tgt Ion:117 Resp: 42644
 Ion Ratio Lower Upper
 117 100
 119 94.0 76.3 114.5
 121 28.3 24.8 37.2



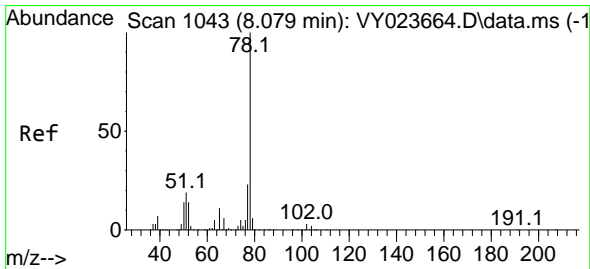
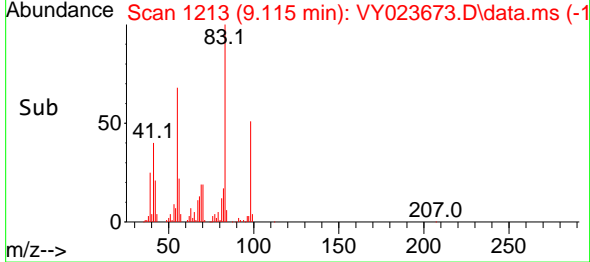
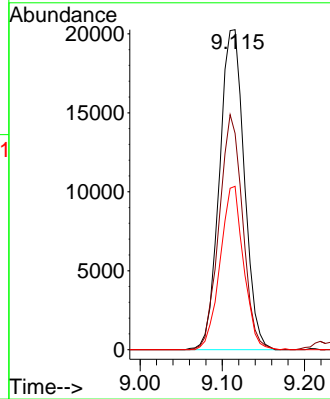


#39
 Methylcyclohexane
 Concen: 4.821 ug/l
 RT: 9.115 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

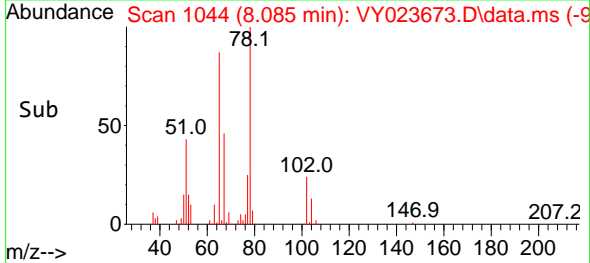
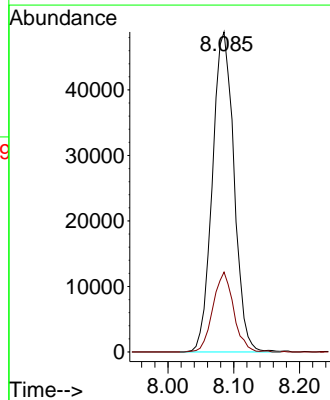
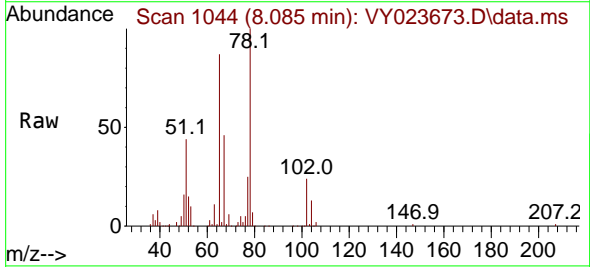


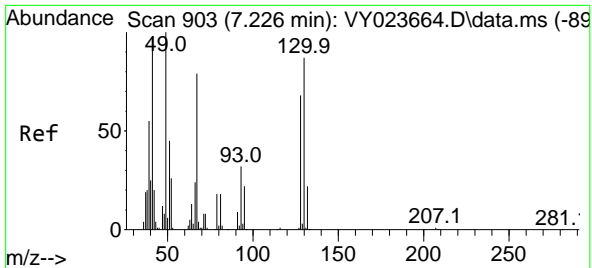
Tgt Ion: 83 Resp: 42546
 Ion Ratio Lower Upper
 83 100
 55 67.6 52.6 78.8
 98 51.0 39.7 59.5



#40
 Benzene
 Concen: 5.131 ug/l
 RT: 8.085 min Scan# 1044
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion: 78 Resp: 111697
 Ion Ratio Lower Upper
 78 100
 77 25.0 18.8 28.2



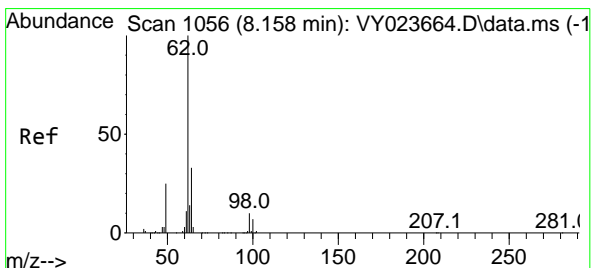
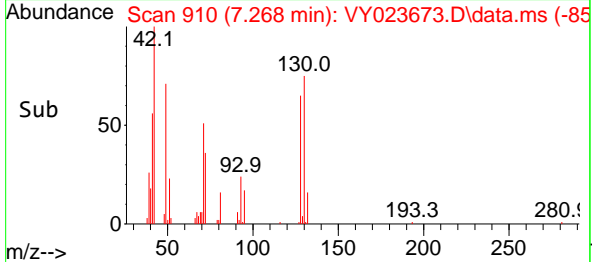
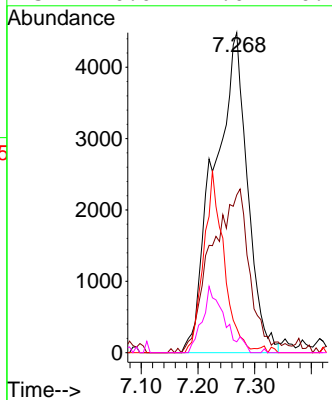
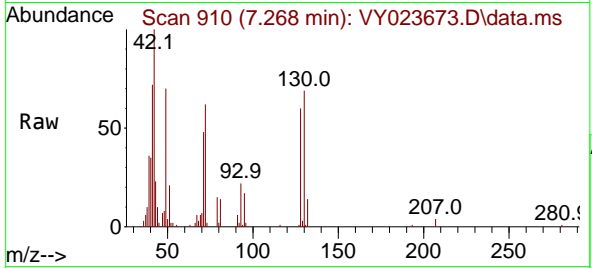


#41
 Methacrylonitrile
 Concen: 12.541 ug/l
 RT: 7.268 min Scan# 910
 Delta R.T. 0.043 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 41 Resp: 18303

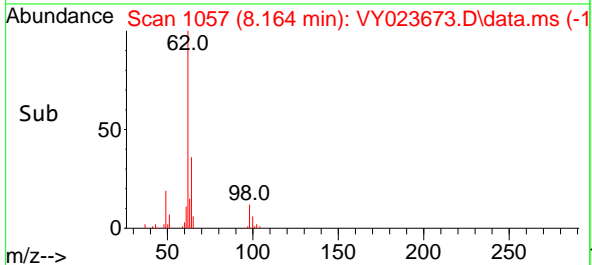
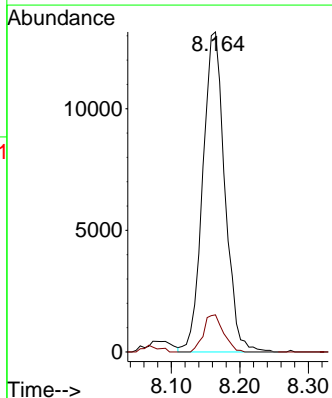
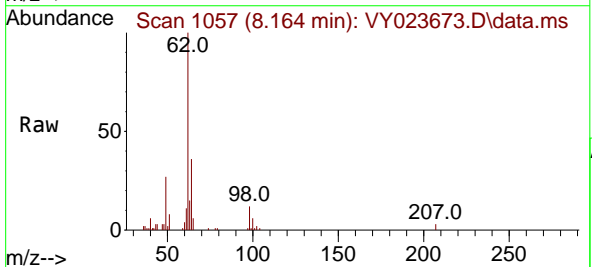
Ion	Ratio	Lower	Upper
41	100		
39	59.3	38.6	57.8#
67	0.0	71.3	106.9#
52	0.0	27.0	40.4#

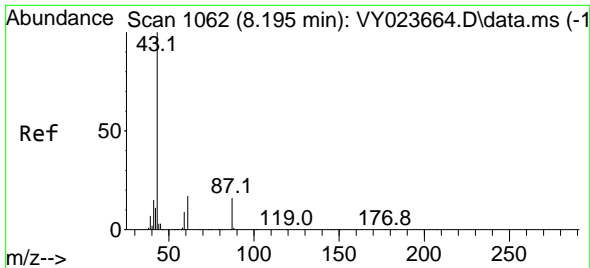


#42
 1,2-Dichloroethane
 Concen: 5.349 ug/l
 RT: 8.164 min Scan# 1057
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion: 62 Resp: 29463

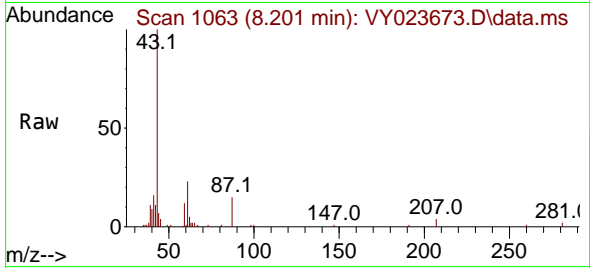
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0



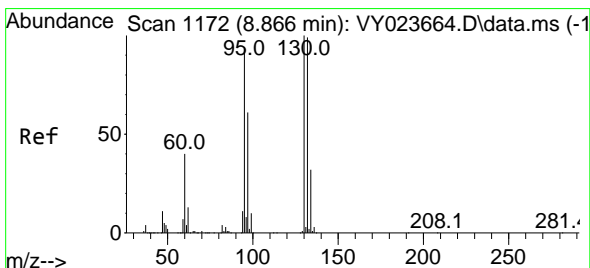
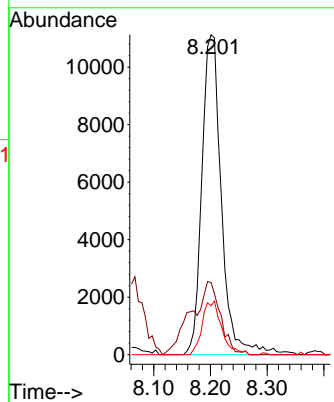
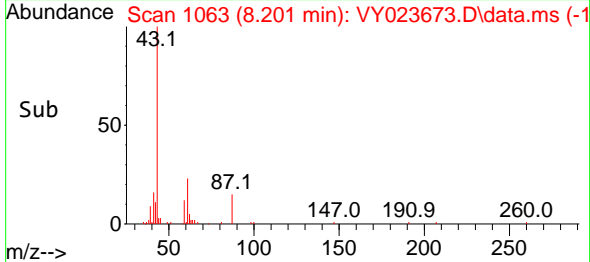


#43
 Isopropyl Acetate
 Concen: 5.298 ug/l
 RT: 8.201 min Scan# 1063
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

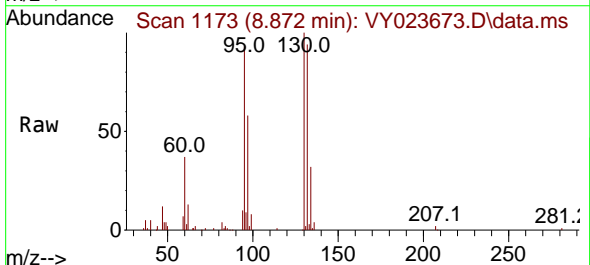
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



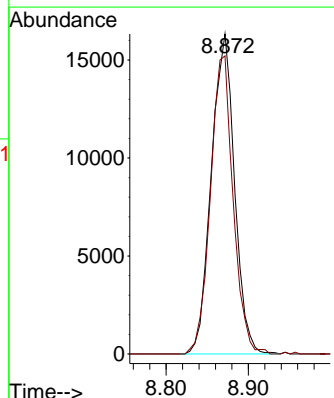
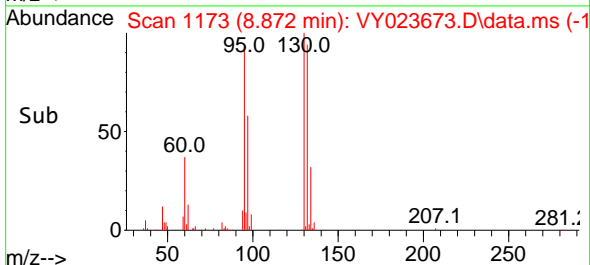
Tgt Ion: 43 Resp: 26616
 Ion Ratio Lower Upper
 43 100
 61 21.8 18.2 27.2
 87 16.7 13.3 19.9

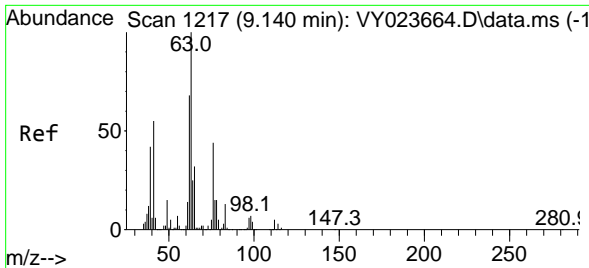


#44
 Trichloroethene
 Concen: 5.118 ug/l
 RT: 8.872 min Scan# 1173
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53



Tgt Ion: 130 Resp: 32002
 Ion Ratio Lower Upper
 130 100
 95 93.1 0.0 187.0

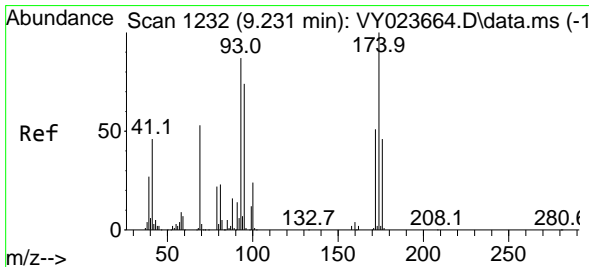
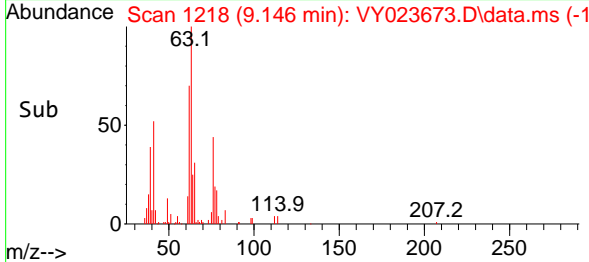
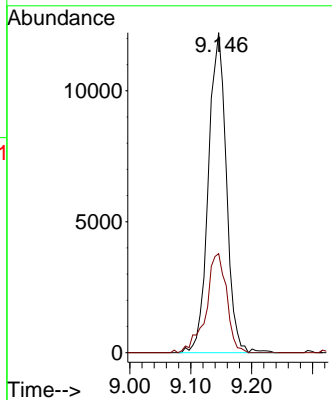
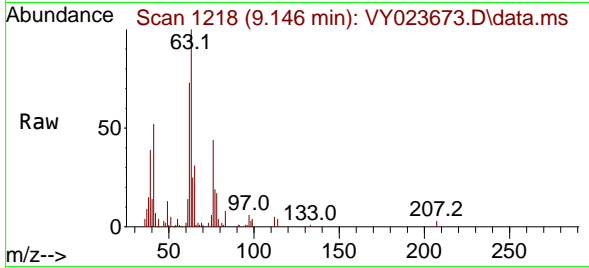




#45
 1,2-Dichloropropane
 Concen: 5.206 ug/l
 RT: 9.146 min Scan# 1217
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

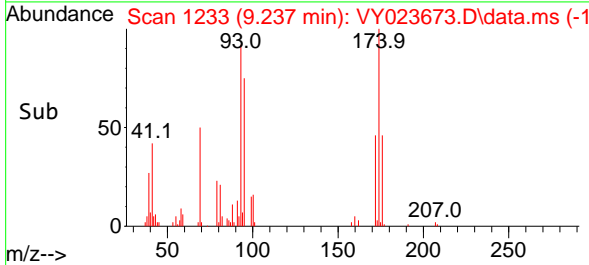
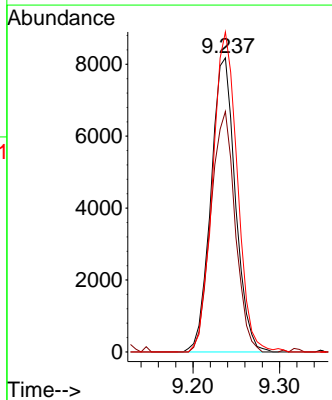
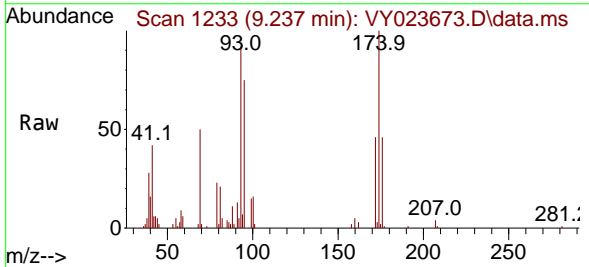
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

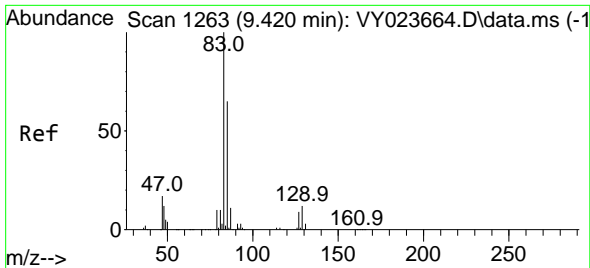
Tgt Ion: 63 Resp: 25015
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.6 38.4



#46
 Dibromomethane
 Concen: 5.392 ug/l
 RT: 9.237 min Scan# 1233
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion: 93 Resp: 16052
 Ion Ratio Lower Upper
 93 100
 95 81.0 67.4 101.2
 174 109.6 89.4 134.0



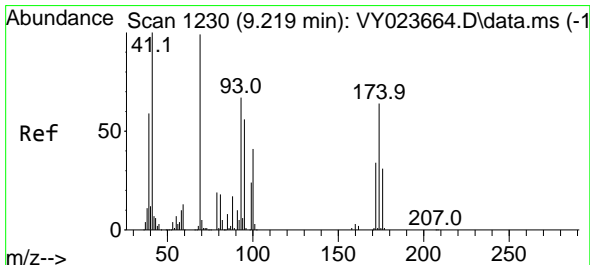
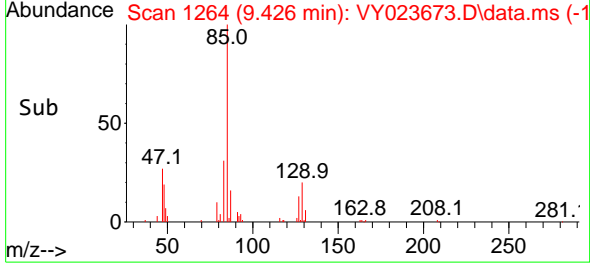
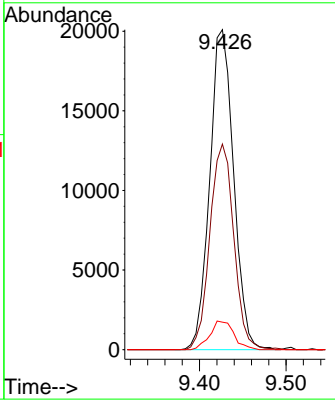
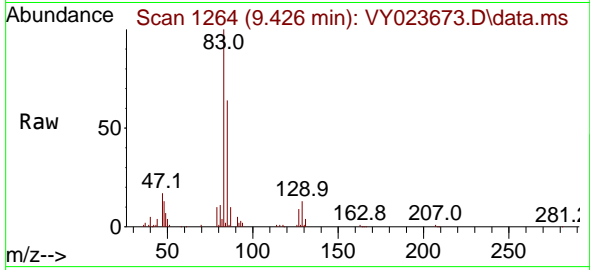


#47
 Bromodichloromethane
 Concen: 5.136 ug/l
 RT: 9.426 min Scan# 1264
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Instrument : MSVOA_Y
 ClientSampleId : VY023673.D
 LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 83 Resp: 38554

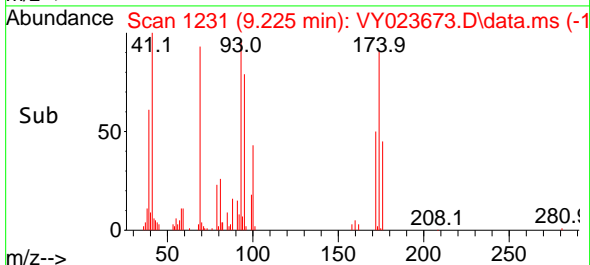
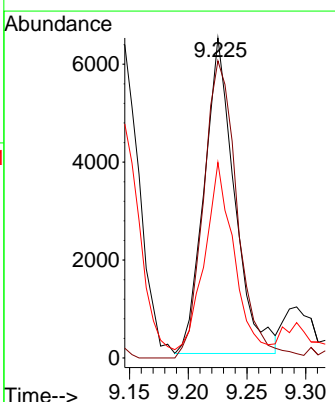
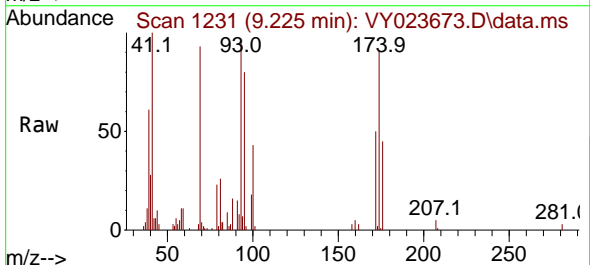
Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.1	78.1
127	8.6	7.5	11.3

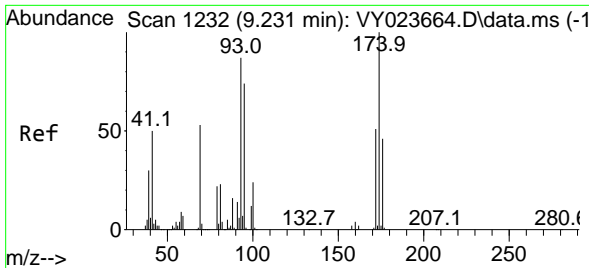


#48
 Methyl methacrylate
 Concen: 4.891 ug/l
 RT: 9.225 min Scan# 1231
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion: 41 Resp: 11609

Ion	Ratio	Lower	Upper
41	100		
69	104.4	80.2	120.2
39	55.5	47.4	71.0



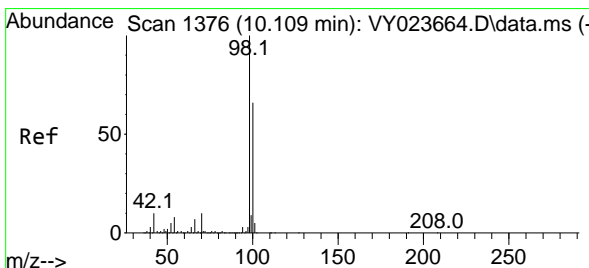
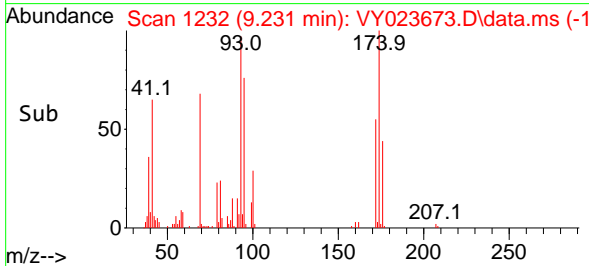
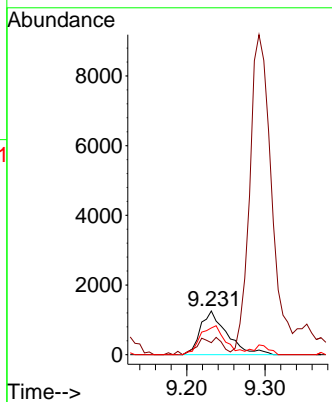
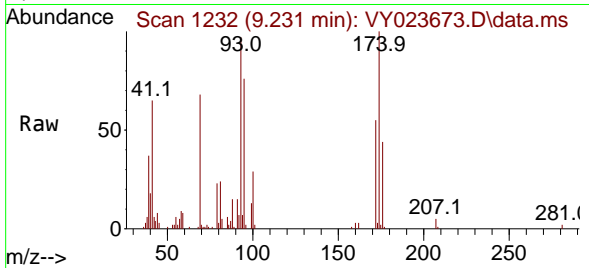


#49
 1,4-Dioxane
 Concen: 96.859 ug/l
 RT: 9.231 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 88 Resp: 2951

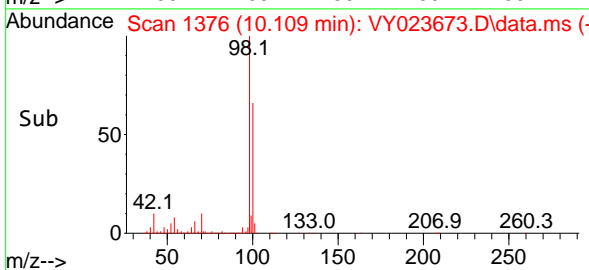
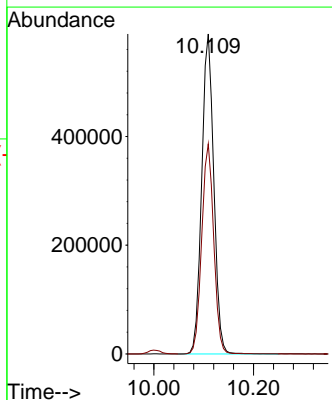
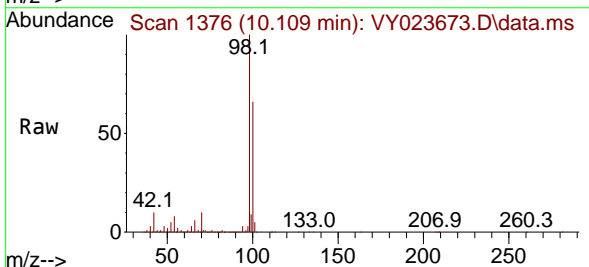
Ion	Ratio	Lower	Upper
88	100		
43	36.7	22.0	33.0#
58	62.5	47.8	71.8

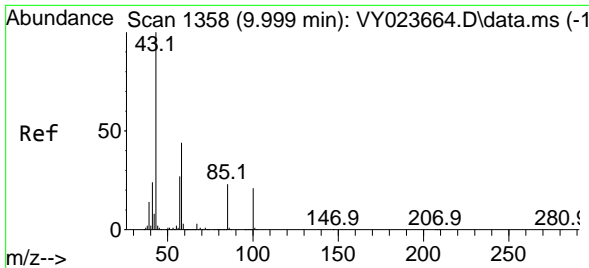


#50
 Toluene-d8
 Concen: 51.197 ug/l
 RT: 10.109 min Scan# 1376
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion: 98 Resp: 985744

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1

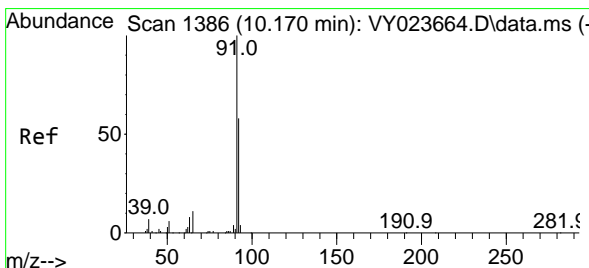
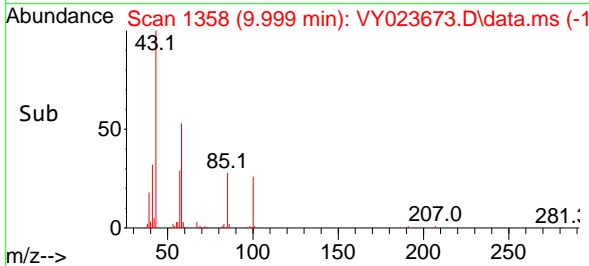
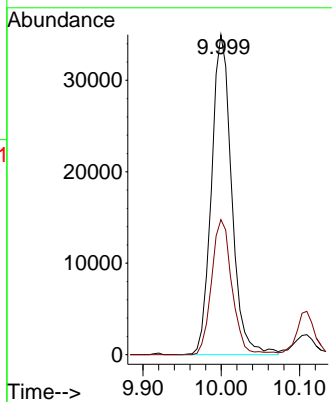
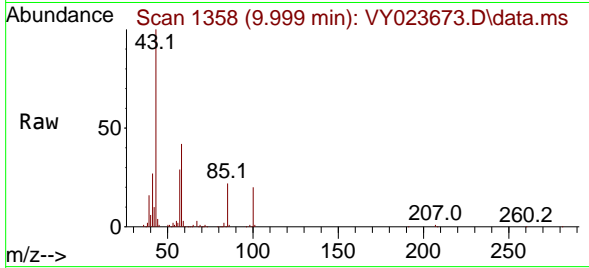




#51
 4-Methyl-2-Pentanone
 Concen: 23.451 ug/l
 RT: 9.999 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

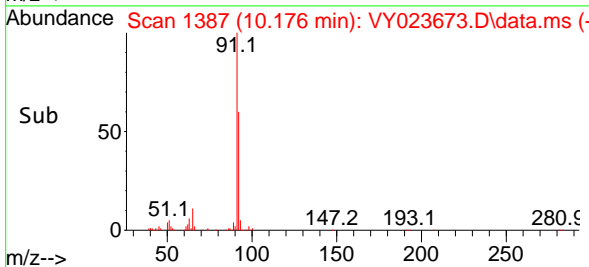
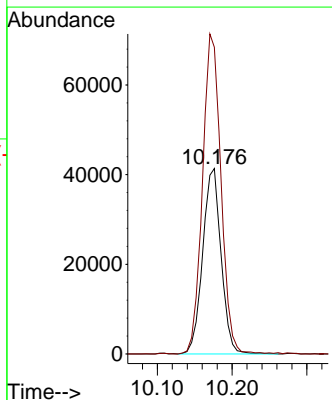
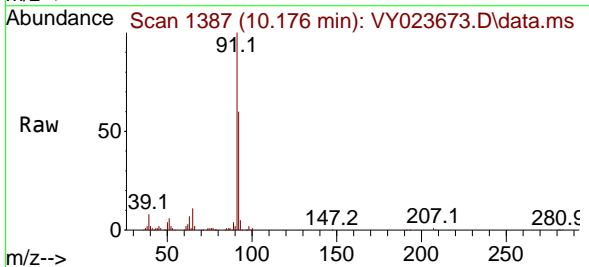
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

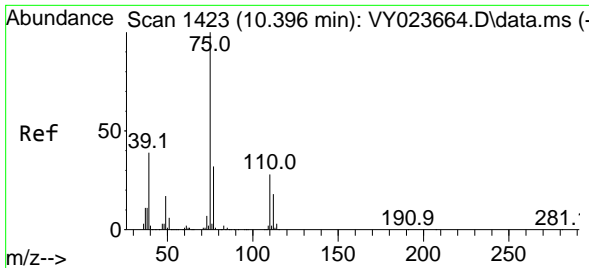
Tgt Ion: 43 Resp: 62652
 Ion Ratio Lower Upper
 43 100
 58 42.8 34.8 52.2



#52
 Toluene
 Concen: 5.093 ug/l
 RT: 10.176 min Scan# 1387
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

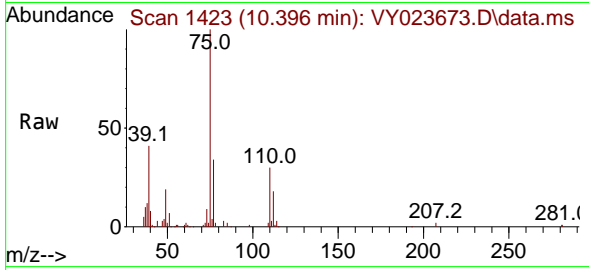
Tgt Ion: 92 Resp: 70784
 Ion Ratio Lower Upper
 92 100
 91 172.9 137.8 206.8



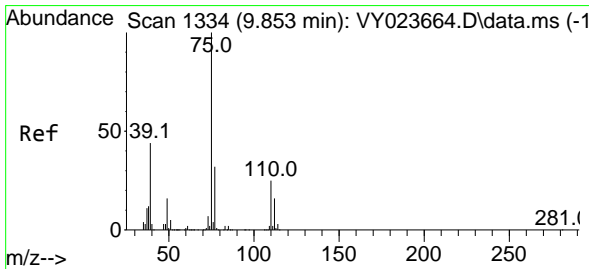
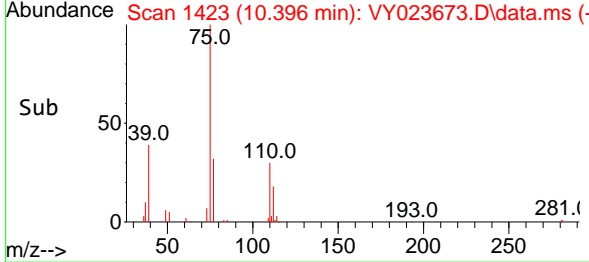
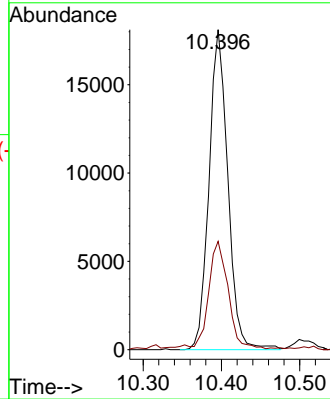


#53
 t-1,3-Dichloropropene
 Concen: 4.760 ug/l
 RT: 10.396 min Scan# 1423
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

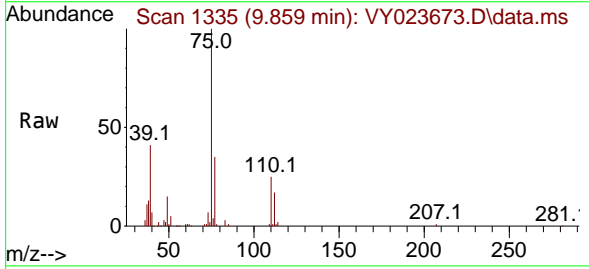
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



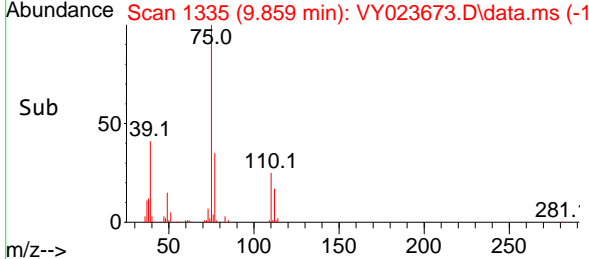
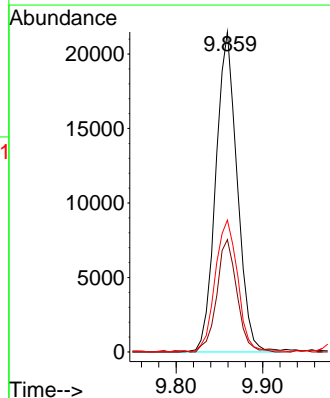
Tgt Ion: 75 Resp: 30229
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.6 38.4

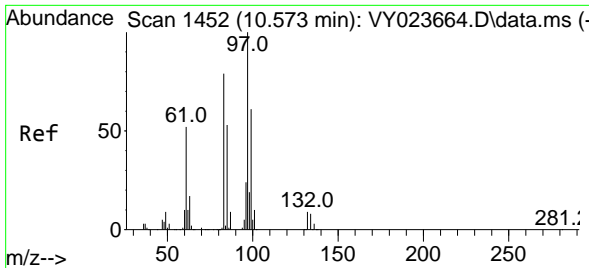


#54
 cis-1,3-Dichloropropene
 Concen: 4.852 ug/l
 RT: 9.859 min Scan# 1335
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53



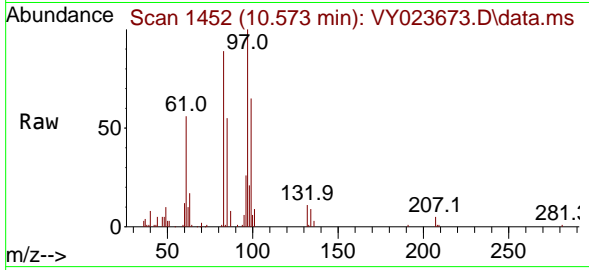
Tgt Ion: 75 Resp: 36918
 Ion Ratio Lower Upper
 75 100
 77 35.1 25.7 38.5
 39 40.8 34.9 52.3





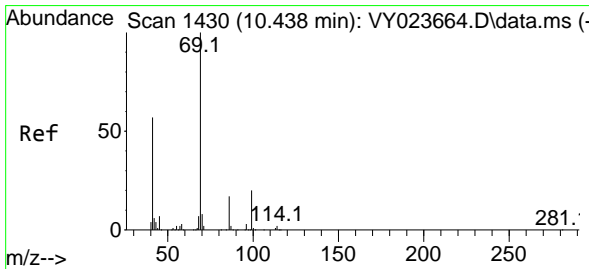
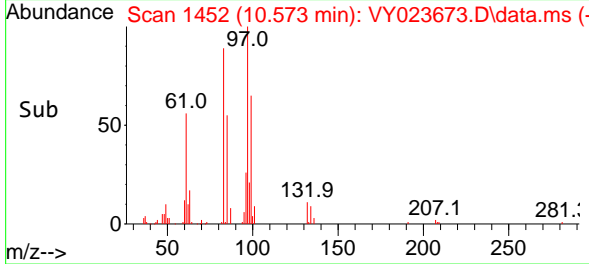
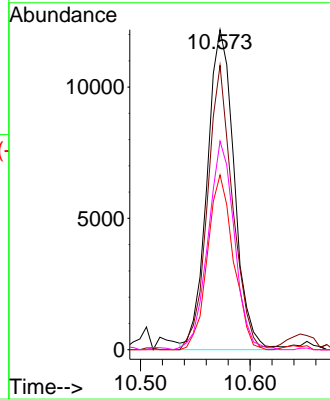
#55
 1,1,2-Trichloroethane
 Concen: 5.273 ug/l
 RT: 10.573 min Scan# 1452
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



Tgt Ion: 97 Resp: 20980

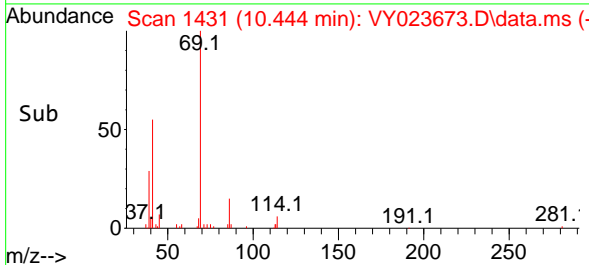
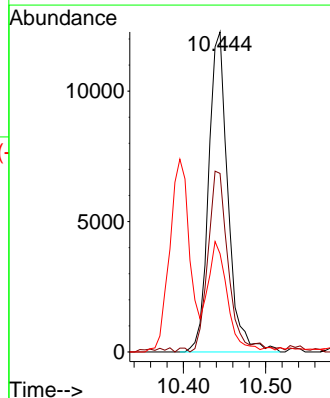
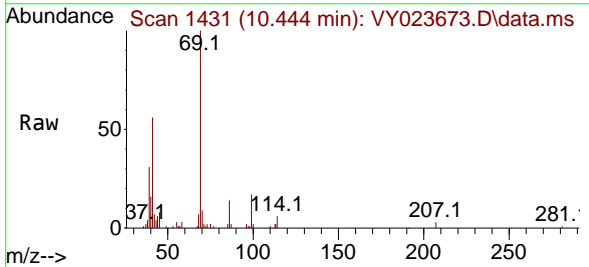
Ion	Ratio	Lower	Upper
97	100		
83	89.7	63.3	94.9
85	55.1	42.4	63.6
99	65.7	48.5	72.7

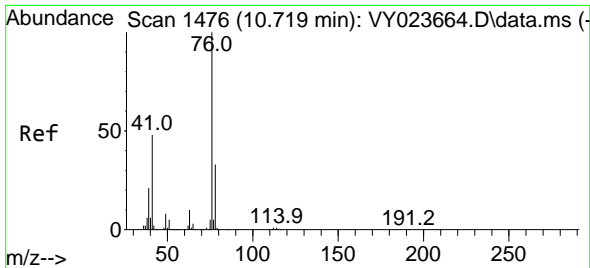


#56
 Ethyl methacrylate
 Concen: 4.567 ug/l
 RT: 10.444 min Scan# 1431
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion: 69 Resp: 20021

Ion	Ratio	Lower	Upper
69	100		
41	61.1	45.0	67.4
39	33.5	25.1	37.7

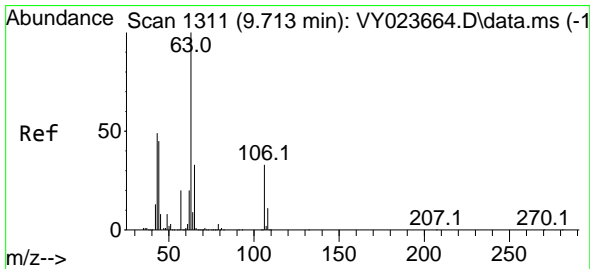
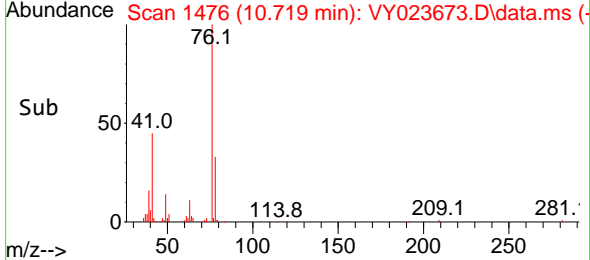
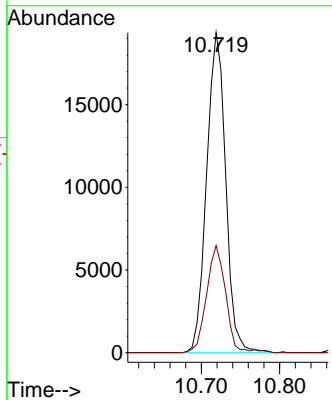
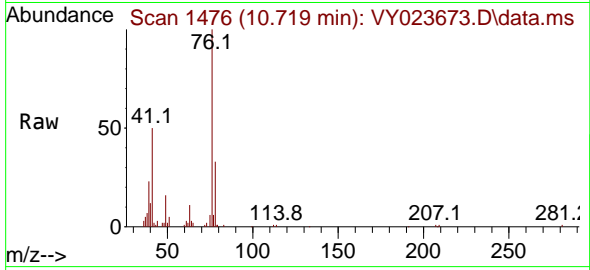




#57
 1,3-Dichloropropane
 Concen: 5.180 ug/l
 RT: 10.719 min Scan# 1476
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

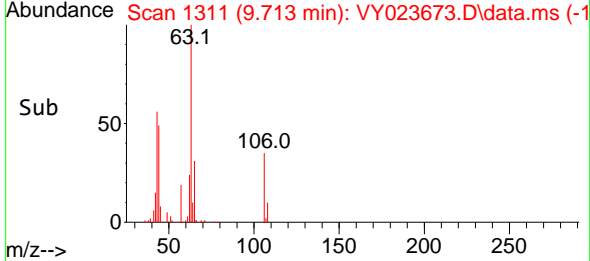
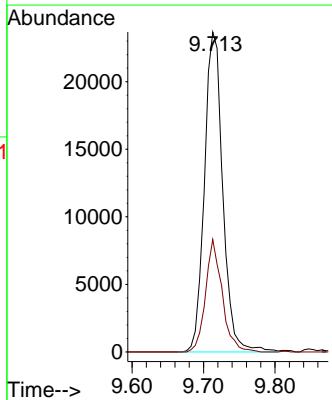
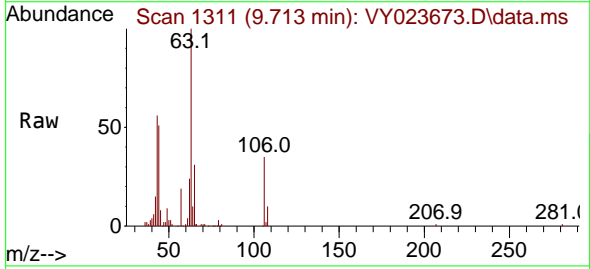
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

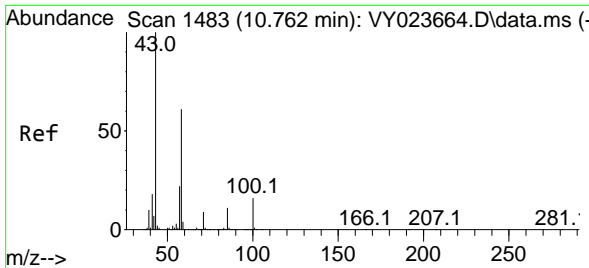
Tgt Ion: 76 Resp: 32687
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.982 ug/l
 RT: 9.713 min Scan# 1311
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

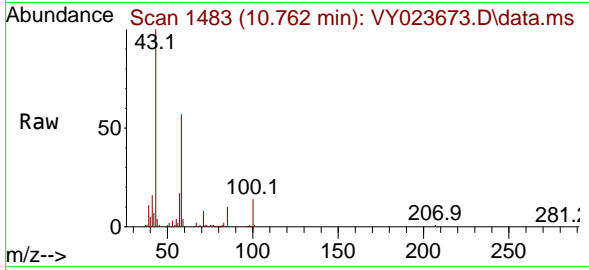
Tgt Ion: 63 Resp: 42206
 Ion Ratio Lower Upper
 63 100
 106 31.9 26.2 39.2



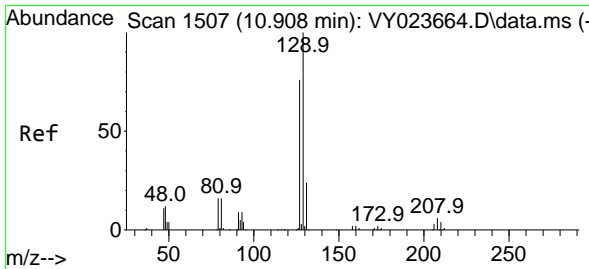
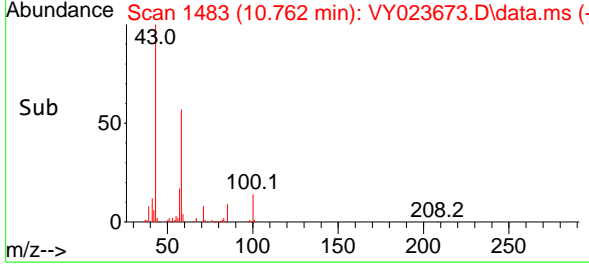
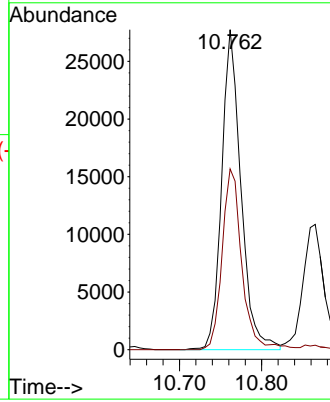


#59
 2-Hexanone
 Concen: 23.180 ug/l
 RT: 10.762 min Scan# 1483
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

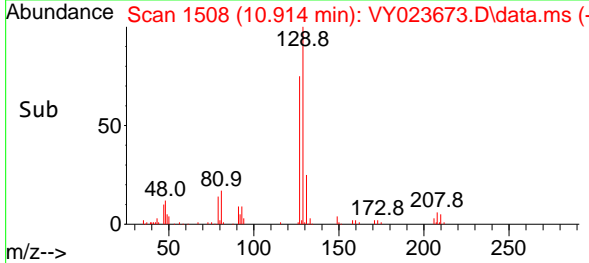
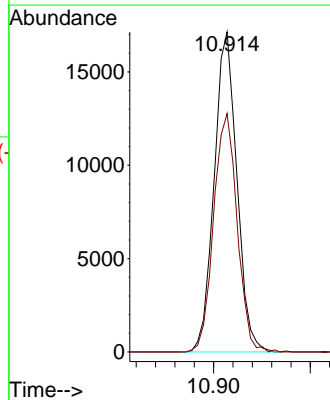
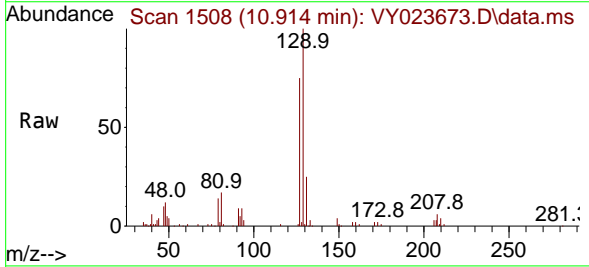


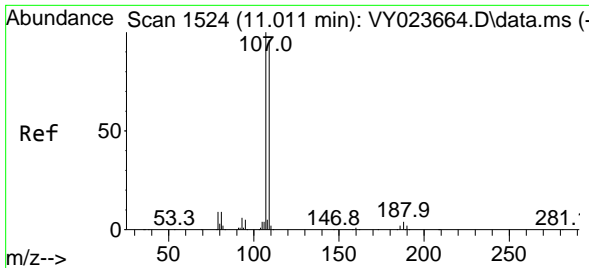
Tgt Ion: 43 Resp: 45182
 Ion Ratio Lower Upper
 43 100
 58 57.7 30.2 90.6



#60
 Dibromochloromethane
 Concen: 5.108 ug/l
 RT: 10.914 min Scan# 1508
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion: 129 Resp: 27924
 Ion Ratio Lower Upper
 129 100
 127 77.0 38.4 115.2

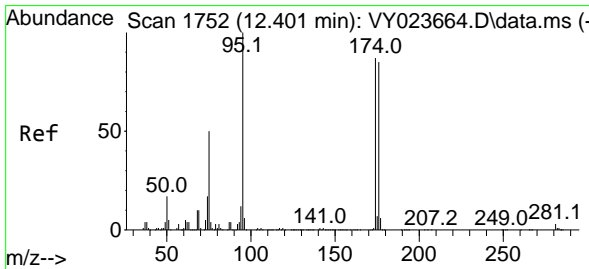
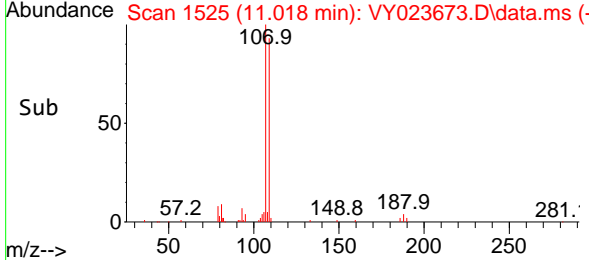
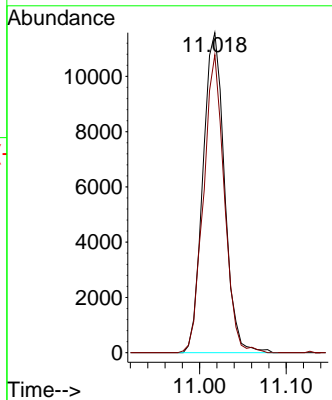
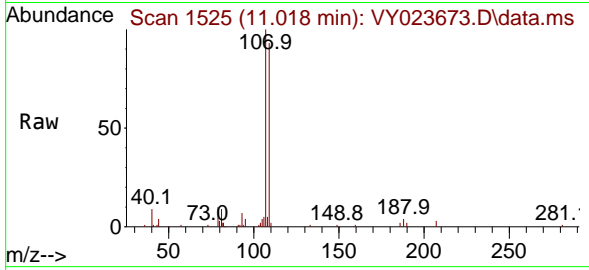




#61
 1,2-Dibromoethane
 Concen: 5.356 ug/l
 RT: 11.018 min Scan# 1525
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

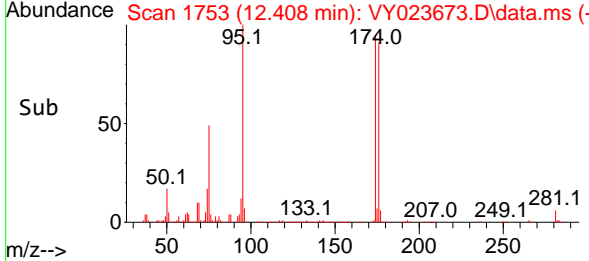
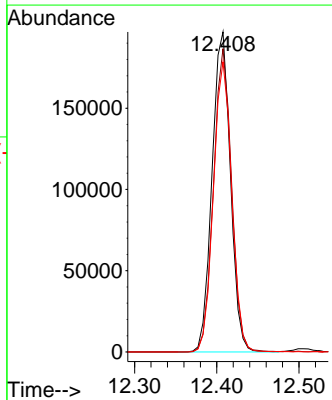
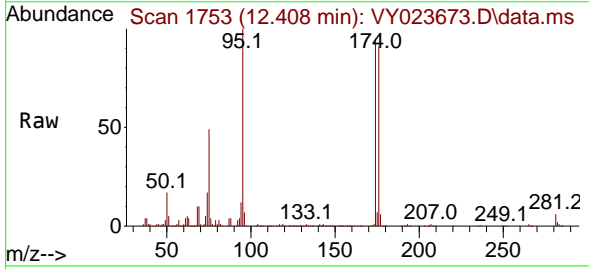
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

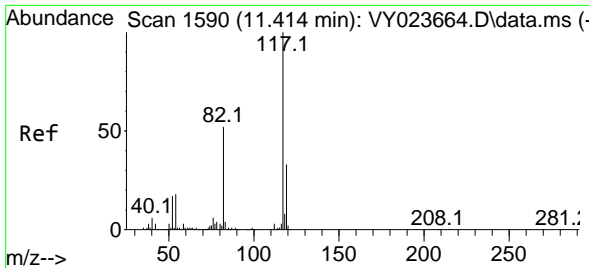
Tgt Ion:107 Resp: 19999
 Ion Ratio Lower Upper
 107 100
 109 89.7 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 49.167 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion: 95 Resp: 306141
 Ion Ratio Lower Upper
 95 100
 174 93.4 0.0 184.8
 176 90.4 0.0 181.6



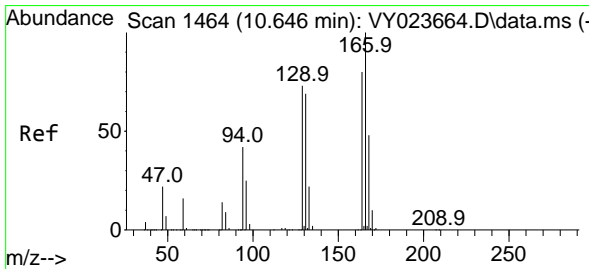
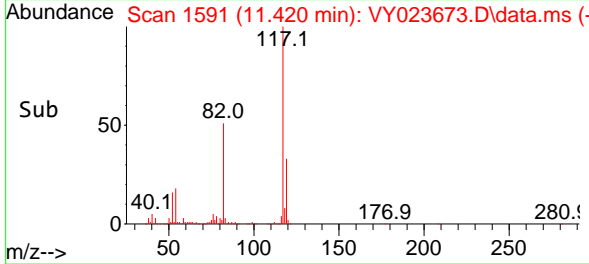
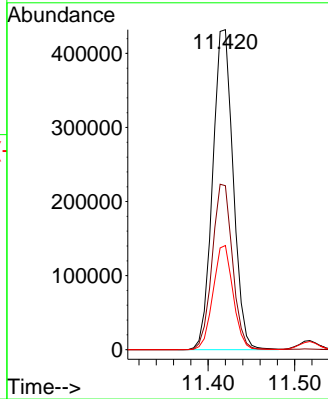
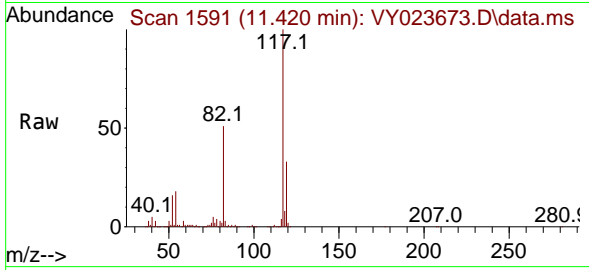


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.420 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:117 Resp: 709567

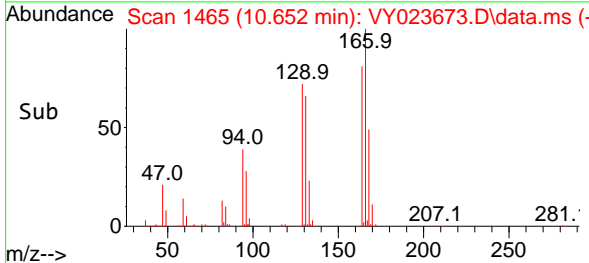
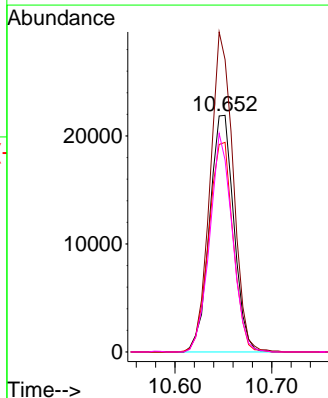
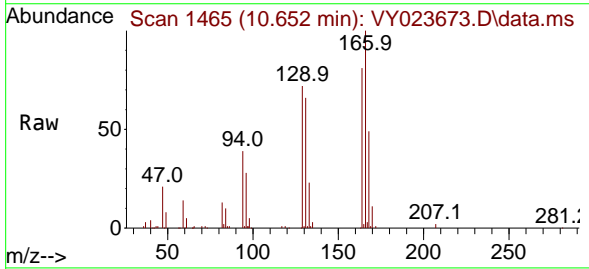
Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.2	61.8
119	32.6	26.2	39.2

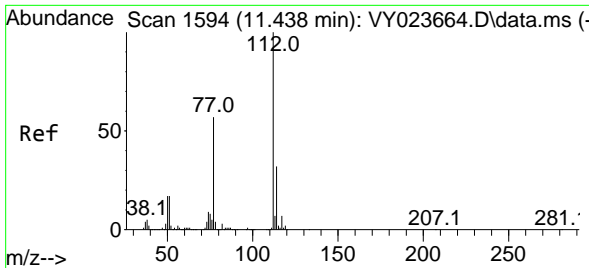


#64
 Tetrachloroethene
 Concen: 5.174 ug/l
 RT: 10.652 min Scan# 1465
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion:164 Resp: 38209

Ion	Ratio	Lower	Upper
164	100		
166	123.6	99.5	149.3
129	88.6	72.3	108.5
131	81.1	69.1	103.7

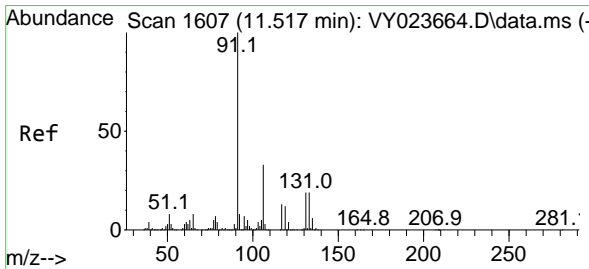
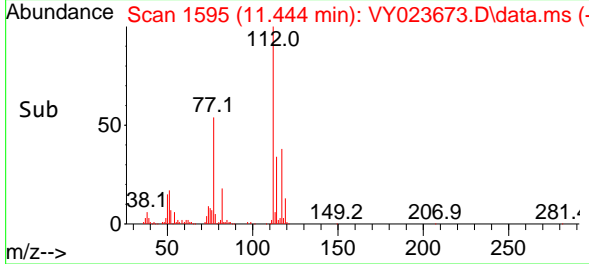
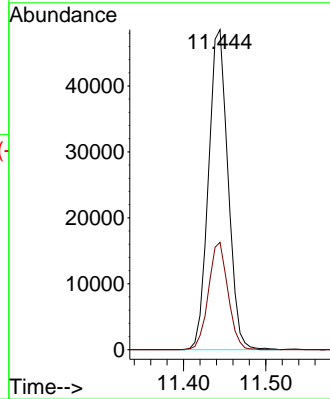
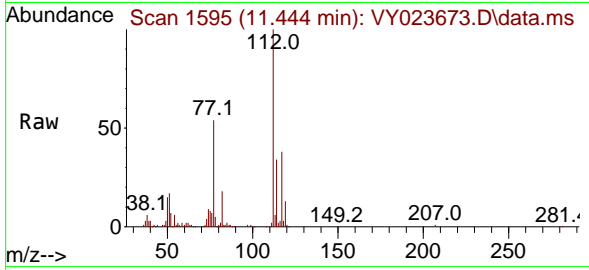




#65
 Chlorobenzene
 Concen: 5.173 ug/l
 RT: 11.444 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

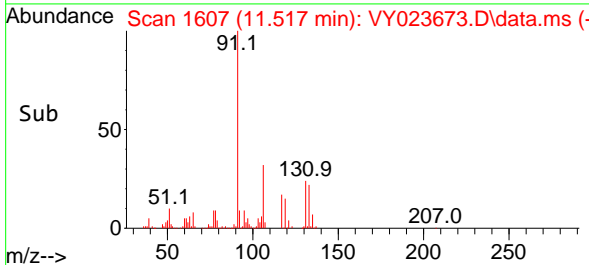
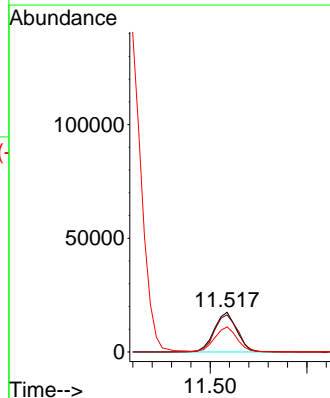
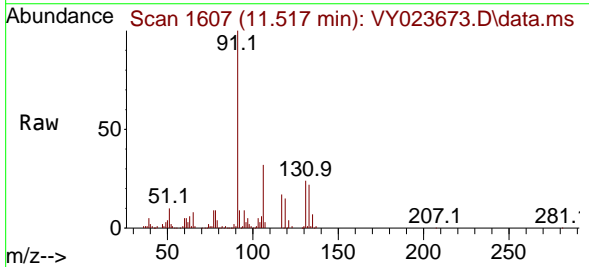
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

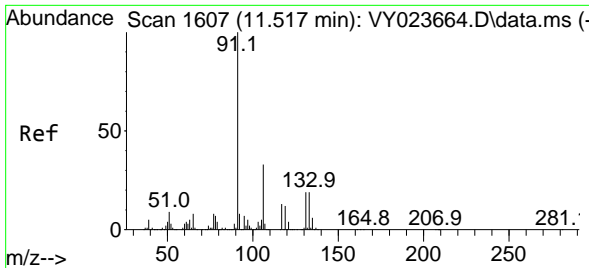
Tgt Ion:112 Resp: 79912
 Ion Ratio Lower Upper
 112 100
 114 33.6 25.8 38.6



#66
 1,1,1,2-Tetrachloroethane
 Concen: 5.166 ug/l
 RT: 11.517 min Scan# 1607
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion:131 Resp: 28216
 Ion Ratio Lower Upper
 131 100
 133 98.0 47.3 141.8
 119 62.9 32.5 97.4

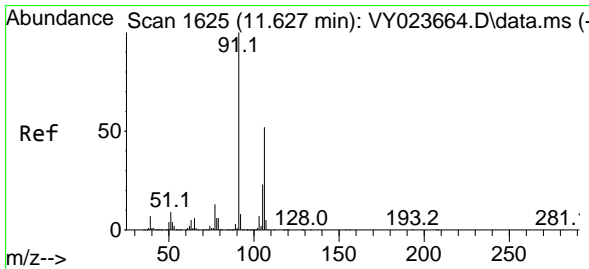
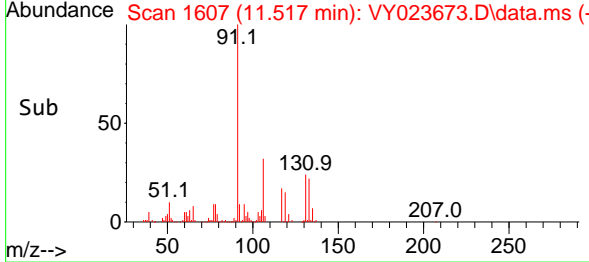
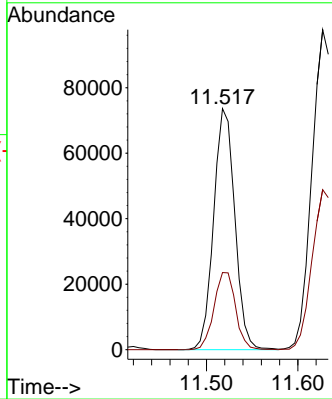
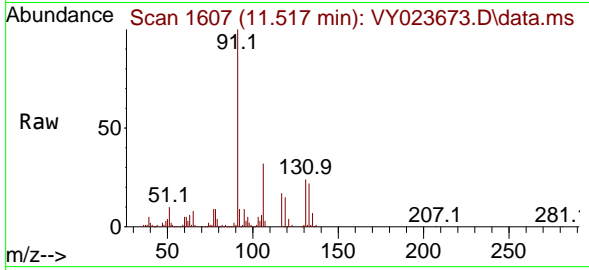




#67
 Ethyl Benzene
 Concen: 4.746 ug/l
 RT: 11.517 min Scan# 1607
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

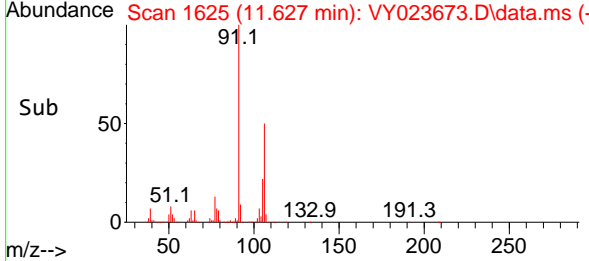
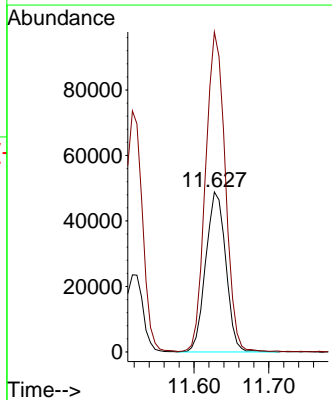
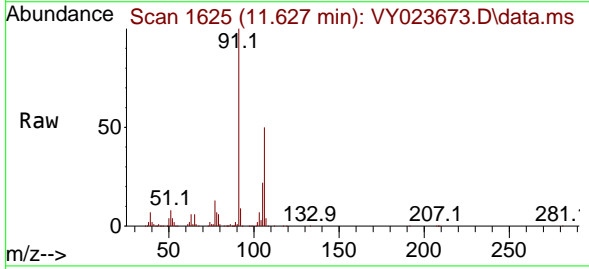
Instrument : MSVOA_Y
 ClientSampleId : VY023673.D
 LOD-MDL-SOIL-01-QT4-2025

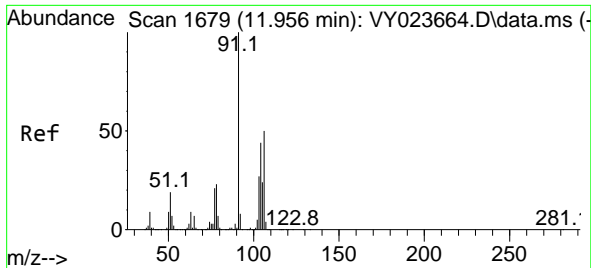
Tgt Ion: 91 Resp: 118648
 Ion Ratio Lower Upper
 91 100
 106 32.0 26.6 40.0



#68
 m/p-Xylenes
 Concen: 9.159 ug/l
 RT: 11.627 min Scan# 1625
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion:106 Resp: 91486
 Ion Ratio Lower Upper
 106 100
 91 196.3 154.3 231.5

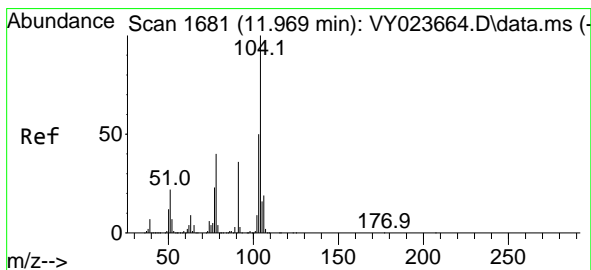
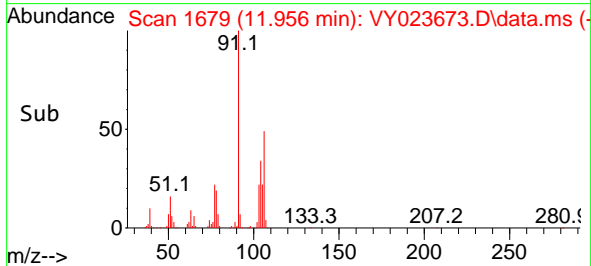
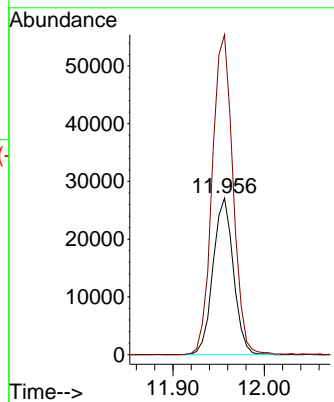
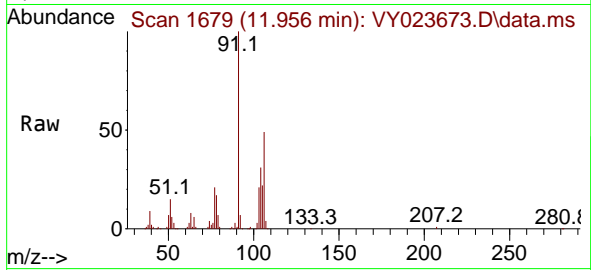




#69
 o-Xylene
 Concen: 4.559 ug/l
 RT: 11.956 min Scan# 1679
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

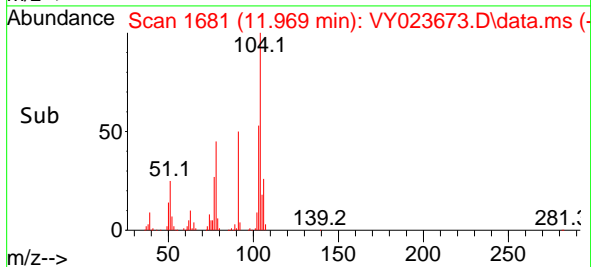
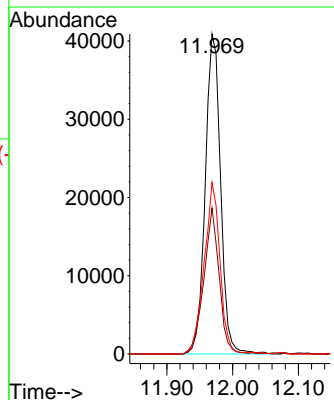
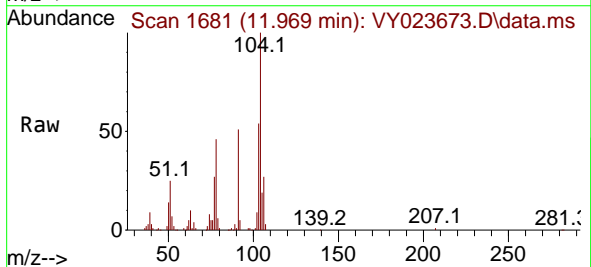
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

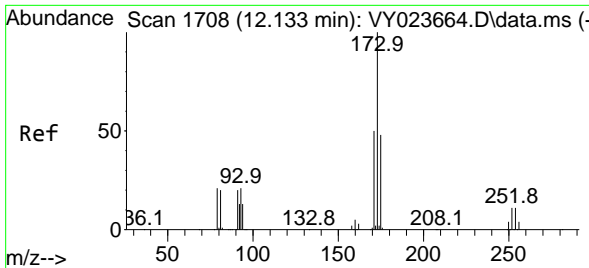
Tgt Ion:106 Resp: 42098
 Ion Ratio Lower Upper
 106 100
 91 208.3 101.6 304.6



#70
 Styrene
 Concen: 4.370 ug/l
 RT: 11.969 min Scan# 1681
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

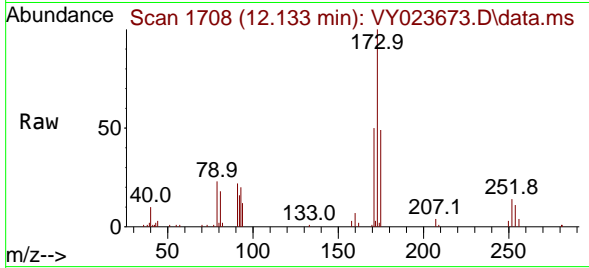
Tgt Ion:104 Resp: 66580
 Ion Ratio Lower Upper
 104 100
 78 45.6 36.5 54.7
 103 55.6 43.7 65.5



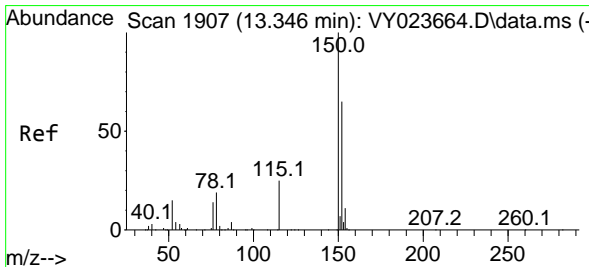
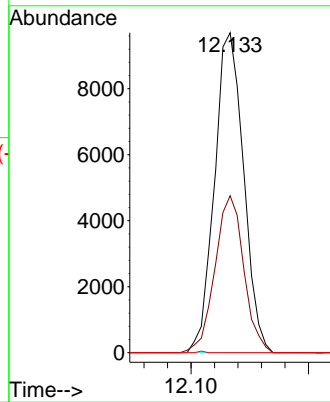
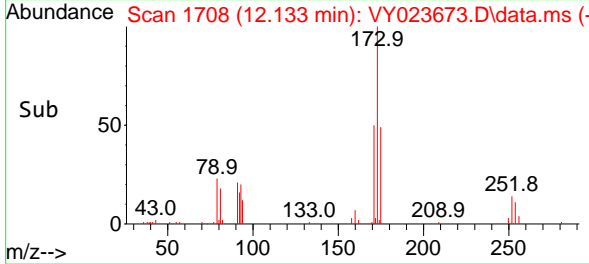


#71
 Bromoform
 Concen: 5.216 ug/l
 RT: 12.133 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

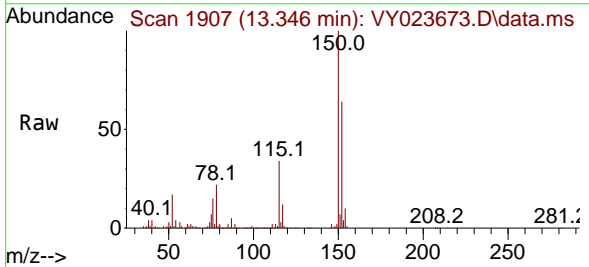
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025



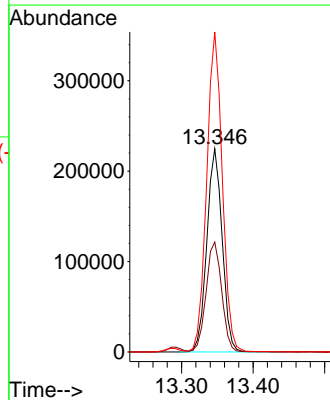
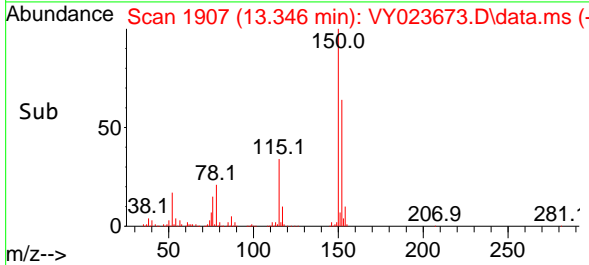
Tgt Ion:173 Resp: 16639
 Ion Ratio Lower Upper
 173 100
 175 48.6 24.2 72.6
 254 0.0 0.2 0.2#

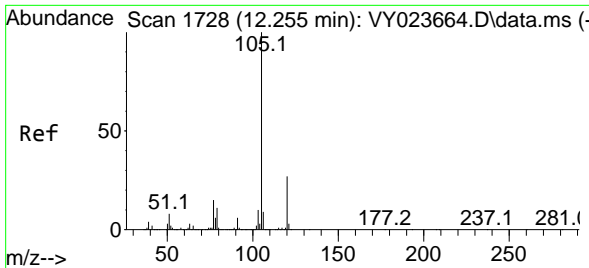


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53



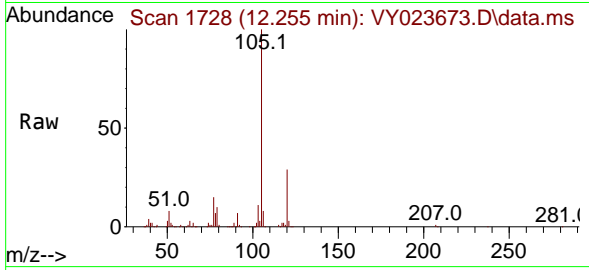
Tgt Ion:152 Resp: 335353
 Ion Ratio Lower Upper
 152 100
 115 54.9 27.5 82.5
 150 159.3 0.0 349.0



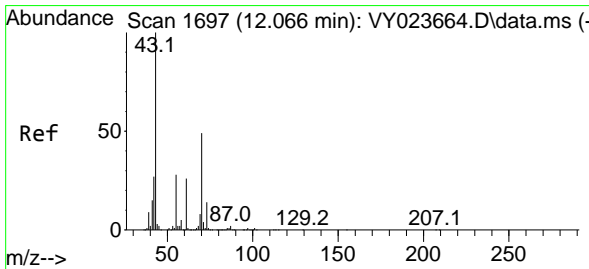
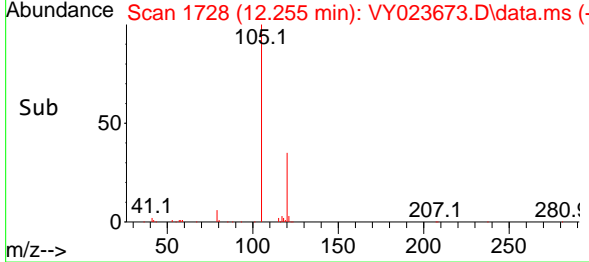
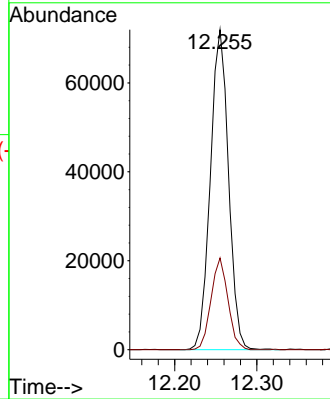


#73
 Isopropylbenzene
 Concen: 4.919 ug/l
 RT: 12.255 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

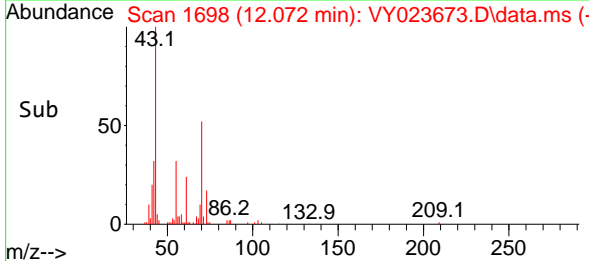
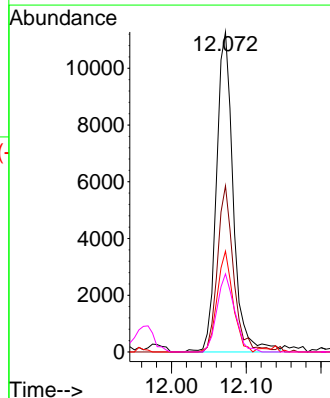
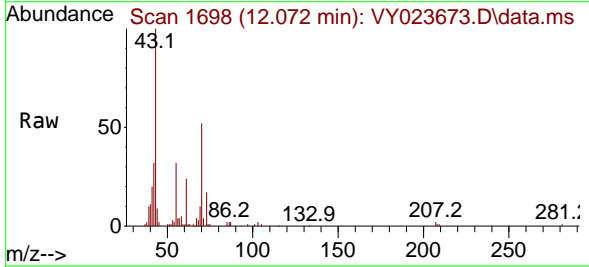


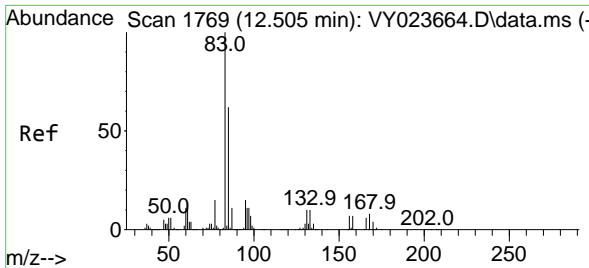
Tgt Ion:105 Resp: 110328
 Ion Ratio Lower Upper
 105 100
 120 26.7 13.6 40.7



#74
 N-ethyl acetate
 Concen: 4.644 ug/l
 RT: 12.072 min Scan# 1698
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion: 43 Resp: 17636
 Ion Ratio Lower Upper
 43 100
 70 50.4 40.1 60.1
 55 29.8 23.0 34.6
 61 25.6 21.3 31.9



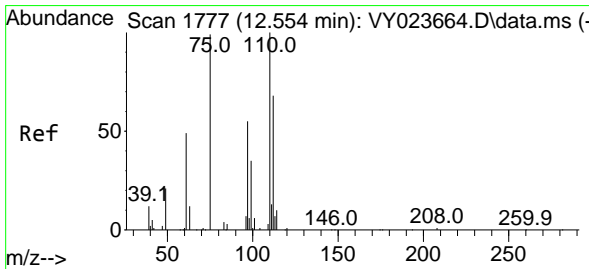
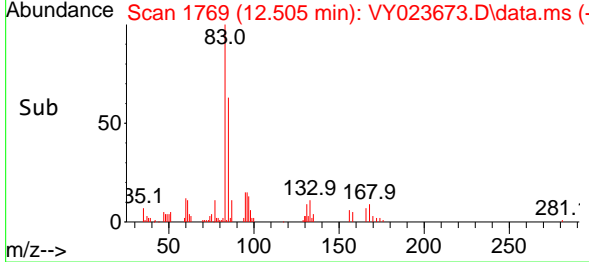
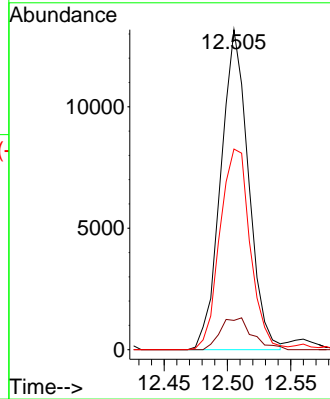
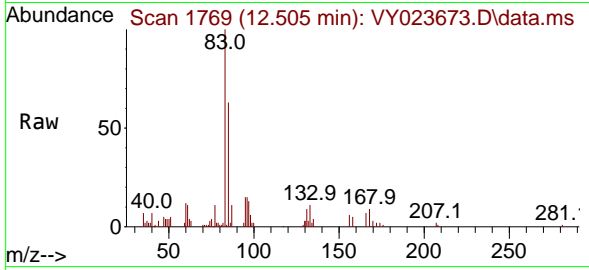


#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.606 ug/l
 RT: 12.505 min Scan# 1769
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Instrument : MSVOA_Y
 ClientSampleId : VY023673.D
 LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 83 Resp: 20083

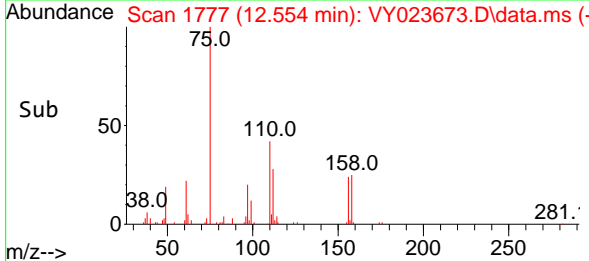
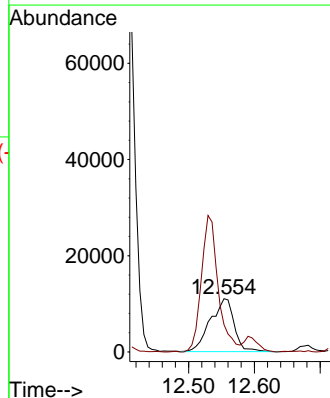
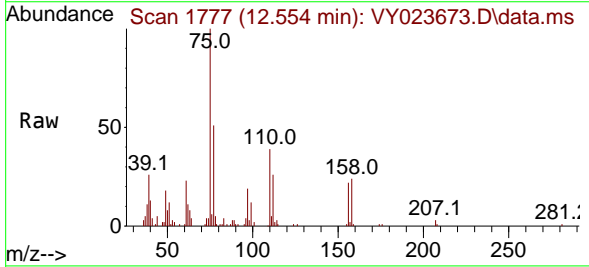
Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.7	17.0
85	68.6	31.9	95.7

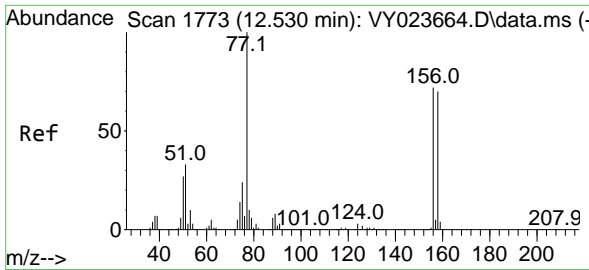


#76
 1,2,3-Trichloropropane
 Concen: 10.200 ug/l
 RT: 12.554 min Scan# 1777
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion: 75 Resp: 27684

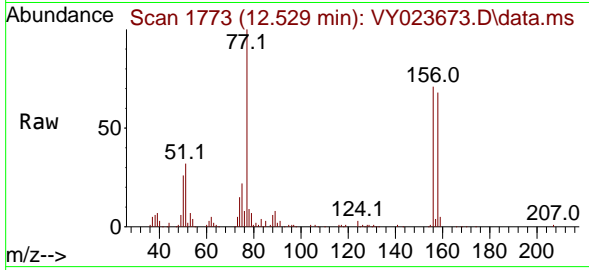
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



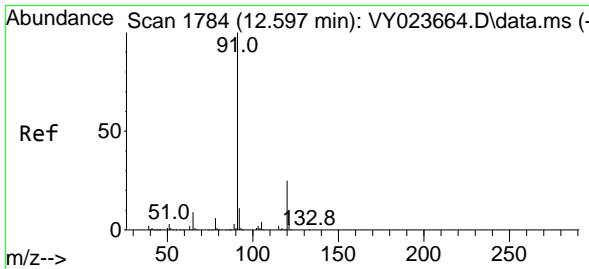
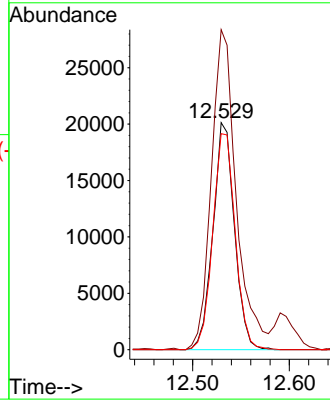
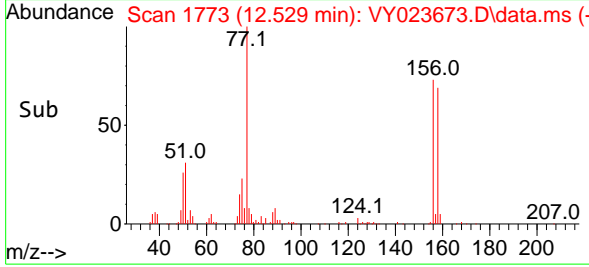


#77
 Bromobenzene
 Concen: 5.336 ug/l
 RT: 12.529 min Scan# 1773
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

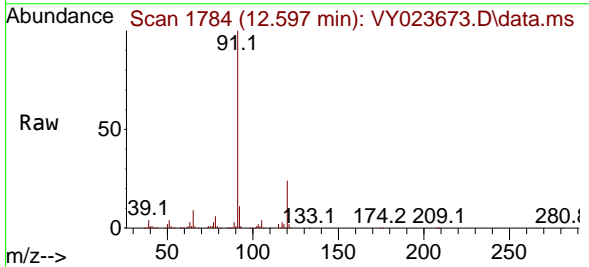
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



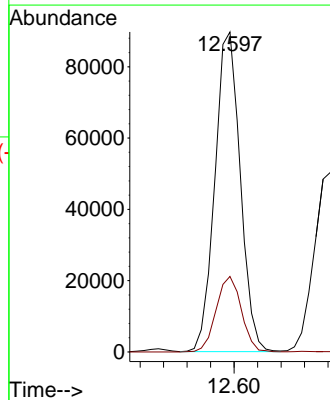
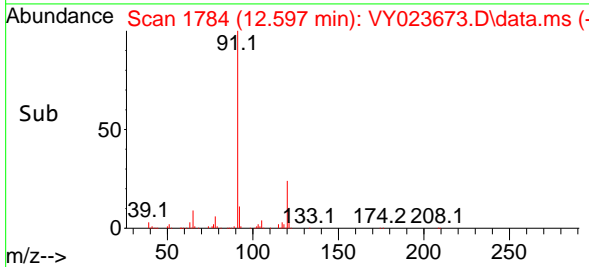
Tgt Ion:156 Resp: 31046
 Ion Ratio Lower Upper
 156 100
 77 163.3 77.9 233.7
 158 99.5 48.5 145.5

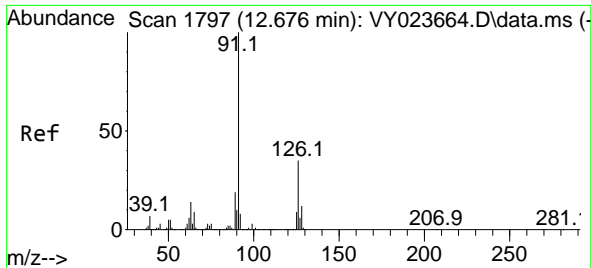


#78
 n-propylbenzene
 Concen: 5.095 ug/l
 RT: 12.597 min Scan# 1784
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53



Tgt Ion: 91 Resp: 134412
 Ion Ratio Lower Upper
 91 100
 120 23.5 12.0 36.1

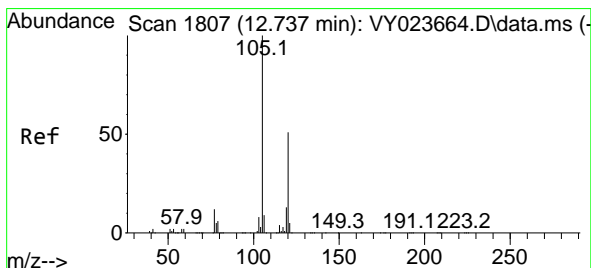
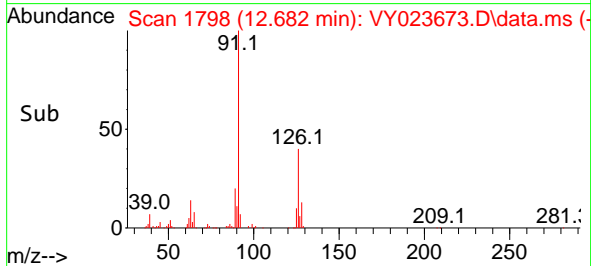
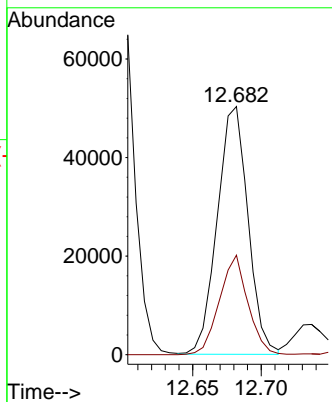
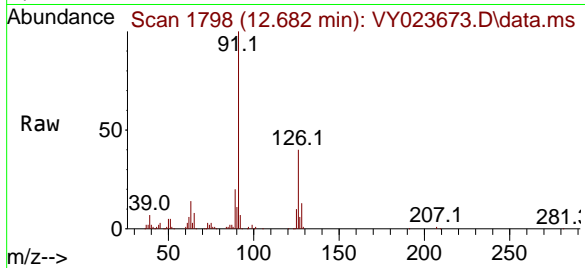




#79
 2-Chlorotoluene
 Concen: 5.135 ug/l
 RT: 12.682 min Scan# 1798
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

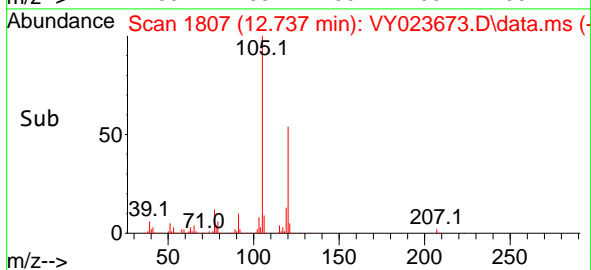
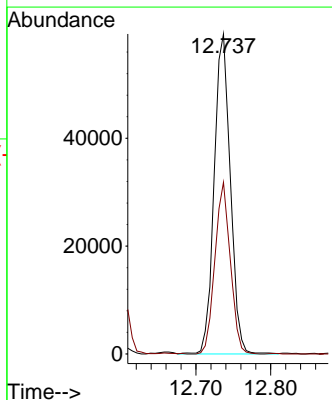
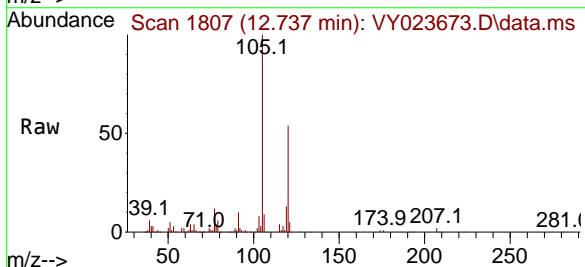
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

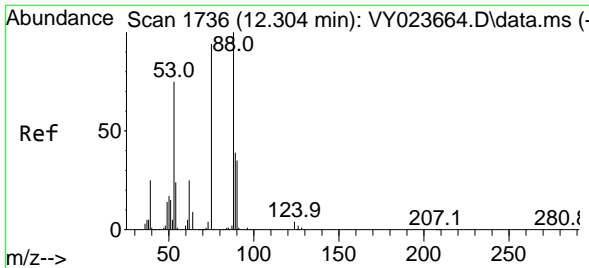
Tgt Ion: 91 Resp: 78615
 Ion Ratio Lower Upper
 91 100
 126 37.1 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: 4.908 ug/l
 RT: 12.737 min Scan# 1807
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

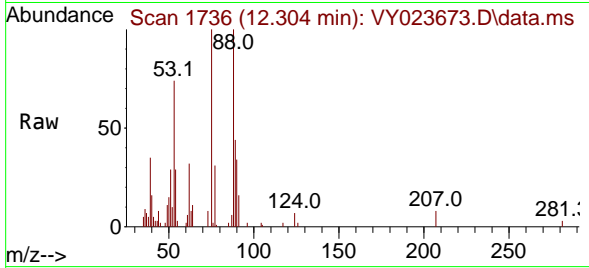
Tgt Ion: 105 Resp: 89448
 Ion Ratio Lower Upper
 105 100
 120 51.2 25.4 76.2





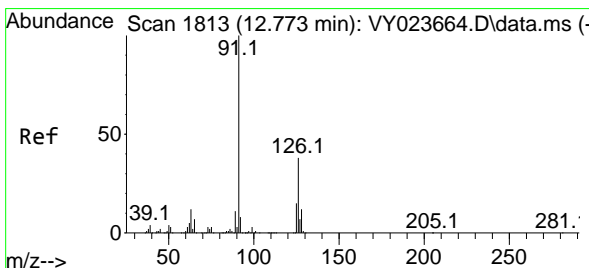
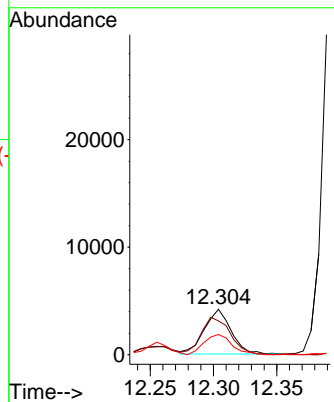
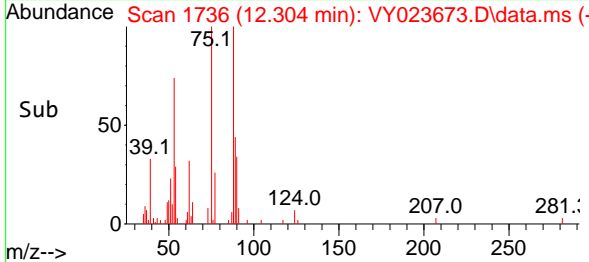
#81
 trans-1,4-Dichloro-2-butene
 Concen: 5.116 ug/l
 RT: 12.304 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

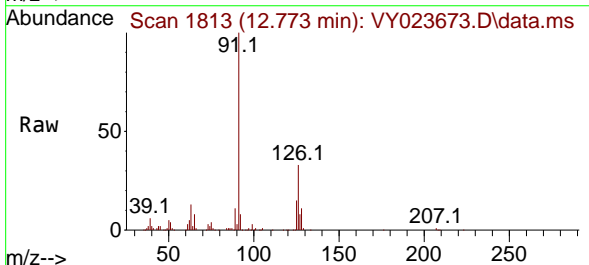


Tgt Ion: 75 Resp: 6144

Ion	Ratio	Lower	Upper
75	100		
53	91.7	69.6	104.4
89	46.5	38.2	57.4

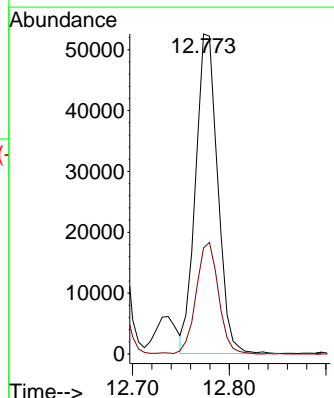
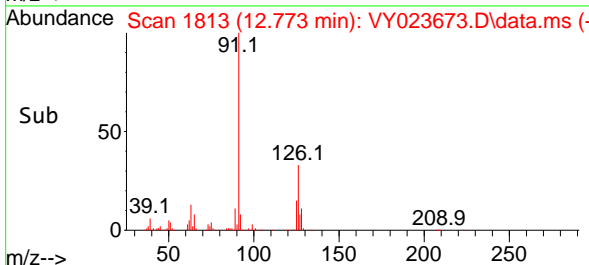


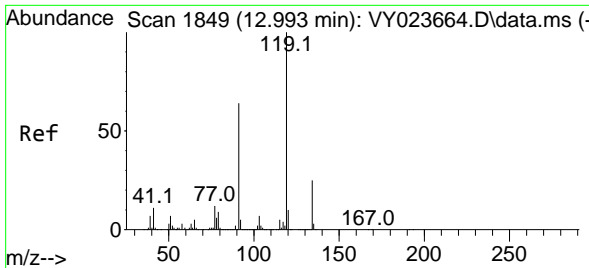
#82
 4-Chlorotoluene
 Concen: 5.287 ug/l
 RT: 12.773 min Scan# 1813
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53



Tgt Ion: 91 Resp: 83470

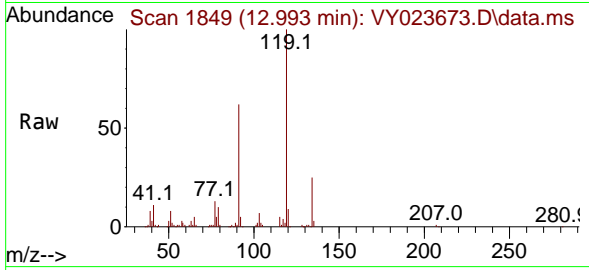
Ion	Ratio	Lower	Upper
91	100		
126	35.4	18.1	54.4





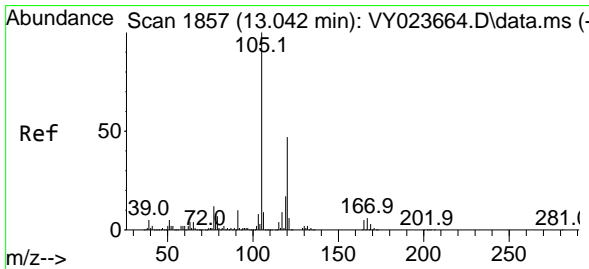
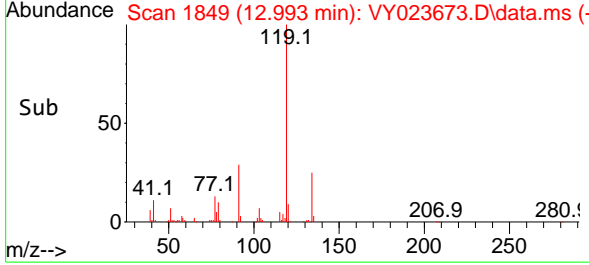
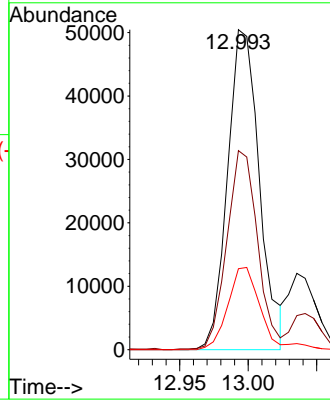
#83
 tert-Butylbenzene
 Concen: 4.926 ug/l
 RT: 12.993 min Scan# 1849
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

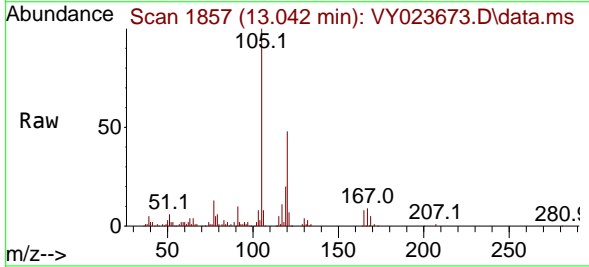


Tgt Ion:119 Resp: 81764

Ion	Ratio	Lower	Upper
119	100		
91	60.1	30.7	92.1
134	26.6	13.1	39.1

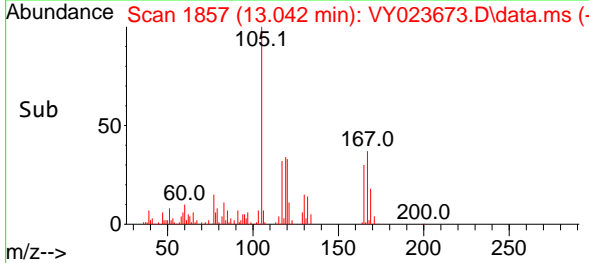
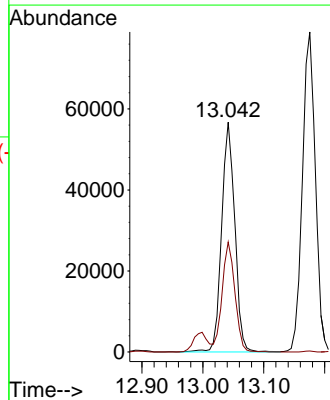


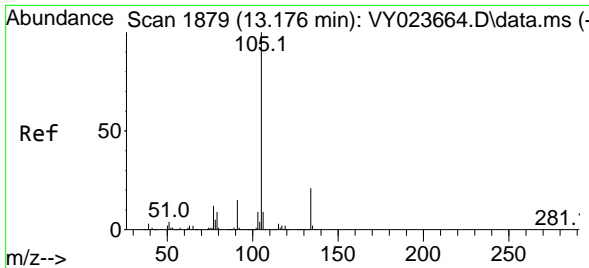
#84
 1,2,4-Trimethylbenzene
 Concen: 4.718 ug/l
 RT: 13.042 min Scan# 1857
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53



Tgt Ion:105 Resp: 85155

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.2	69.6

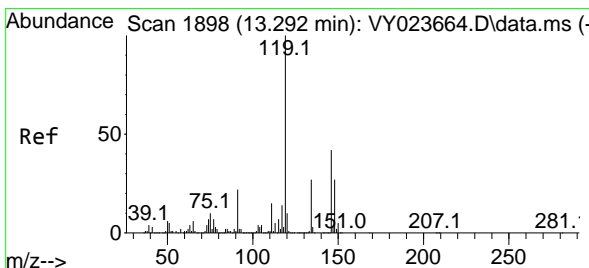
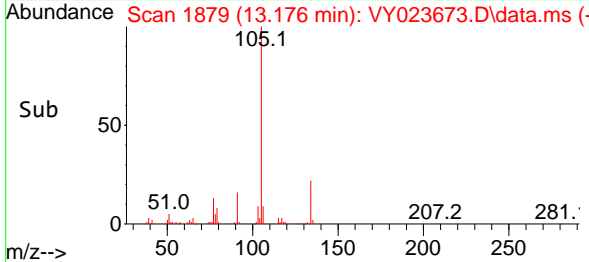
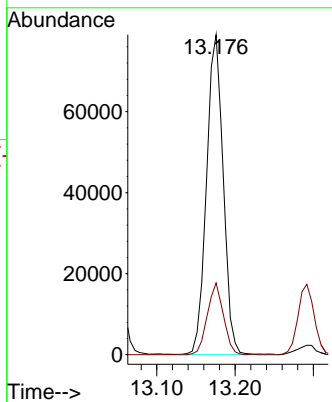
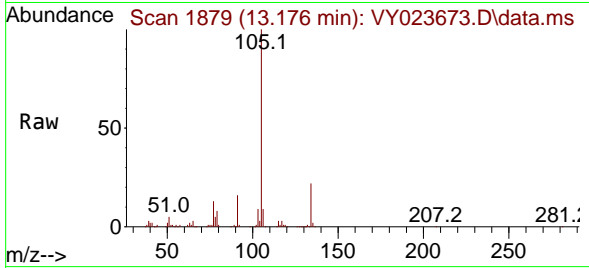




#85
 sec-Butylbenzene
 Concen: 4.877 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

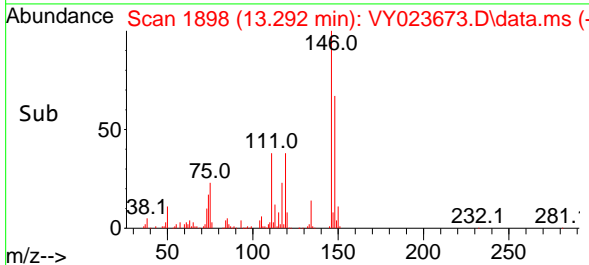
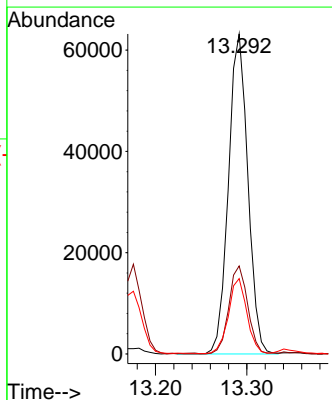
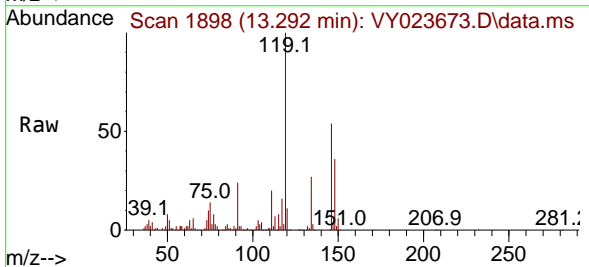
Instrument : MSVOA_Y
 ClientSampleId : VY023673.D
 LOD-MDL-SOIL-01-QT4-2025

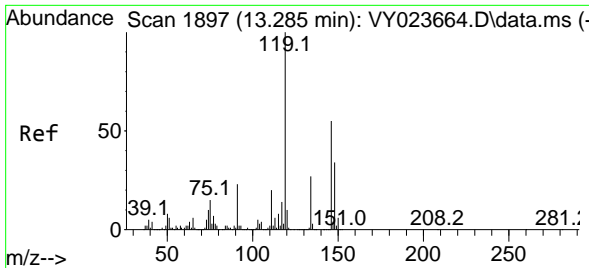
Tgt Ion:105 Resp: 116760
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 4.607 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

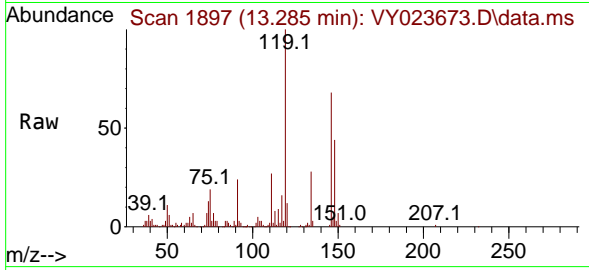
Tgt Ion:119 Resp: 93357
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 22.5 11.1 33.1





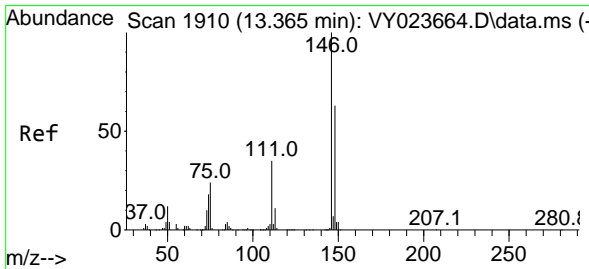
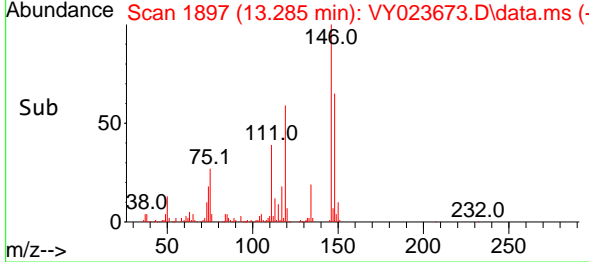
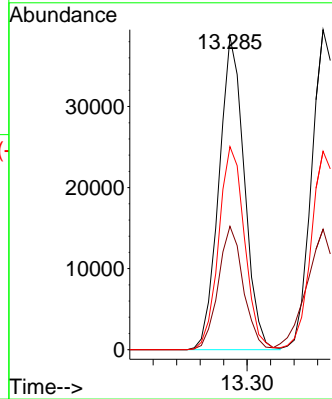
#87
 1,3-Dichlorobenzene
 Concen: 5.061 ug/l
 RT: 13.285 min Scan# 1897
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

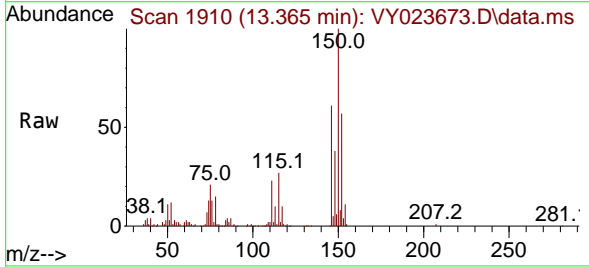


Tgt Ion:146 Resp: 57948

Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.8	56.3
148	66.2	31.9	95.5

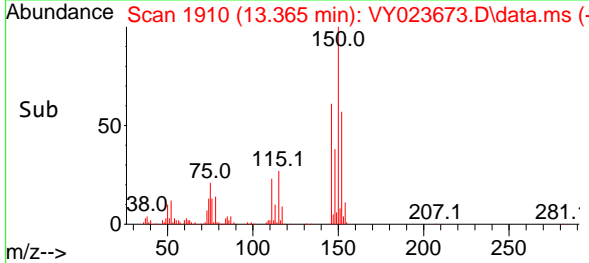
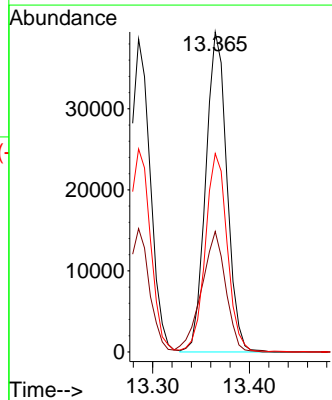


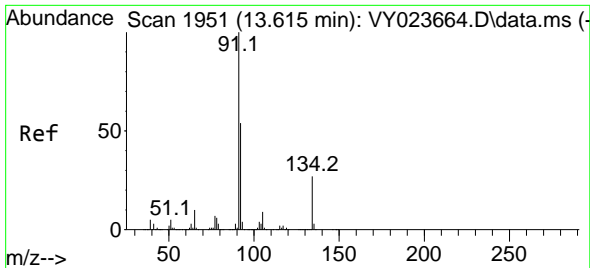
#88
 1,4-Dichlorobenzene
 Concen: 5.344 ug/l
 RT: 13.365 min Scan# 1910
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53



Tgt Ion:146 Resp: 60108

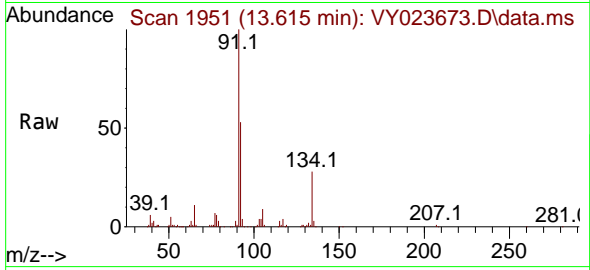
Ion	Ratio	Lower	Upper
146	100		
111	43.0	18.3	54.8
148	64.4	31.8	95.3





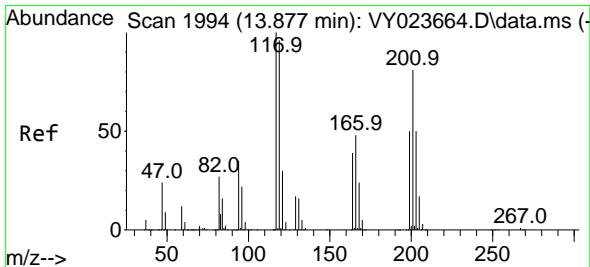
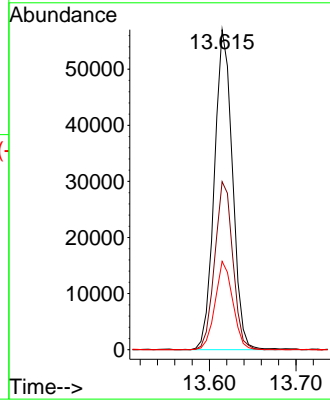
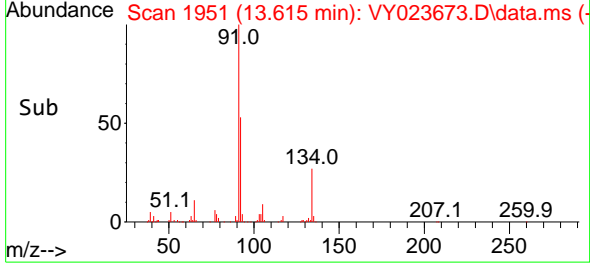
#89
 n-Butylbenzene
 Concen: 4.699 ug/l
 RT: 13.615 min Scan# 1951
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

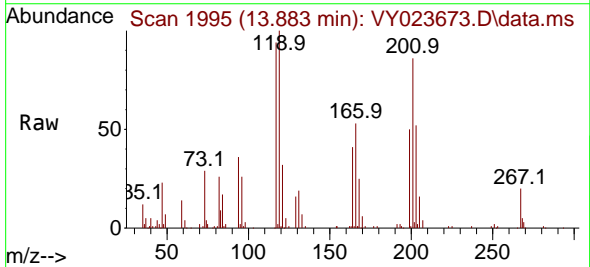


Tgt Ion: 91 Resp: 82812

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.5	79.4
134	26.9	13.7	41.1

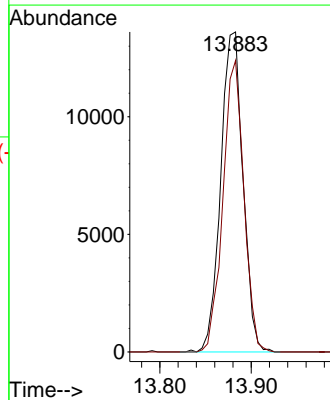
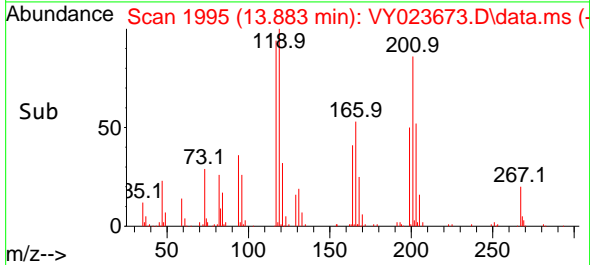


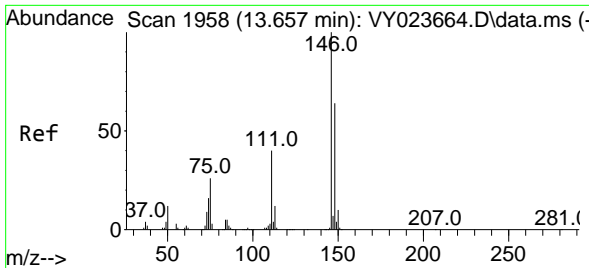
#90
 Hexachloroethane
 Concen: 5.287 ug/l
 RT: 13.883 min Scan# 1995
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53



Tgt Ion: 117 Resp: 23023

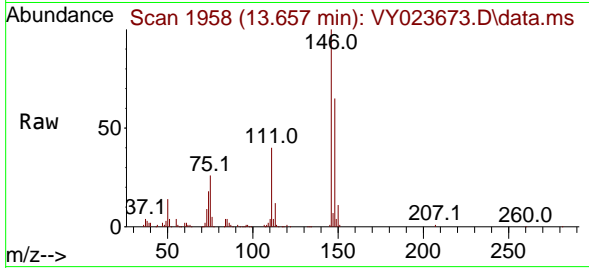
Ion	Ratio	Lower	Upper
117	100		
201	85.7	42.3	126.8



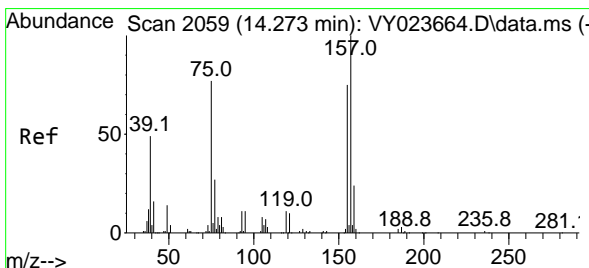
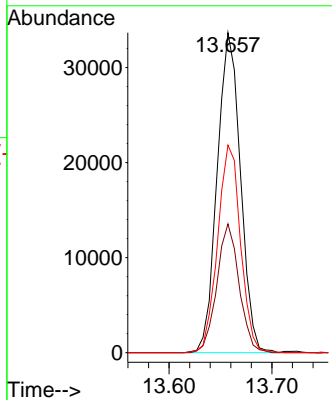
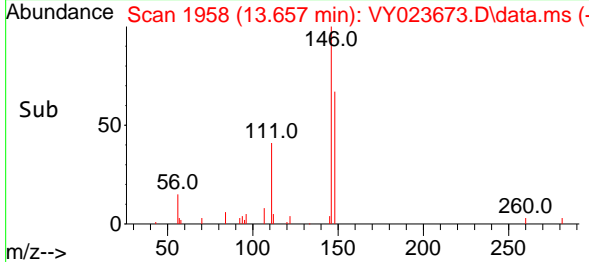


#91
 1,2-Dichlorobenzene
 Concen: 5.362 ug/l
 RT: 13.657 min Scan# 1958
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

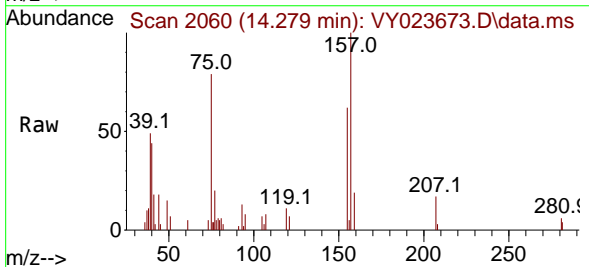
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



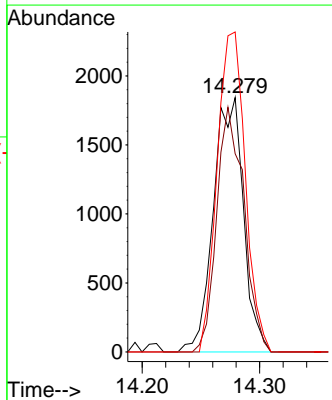
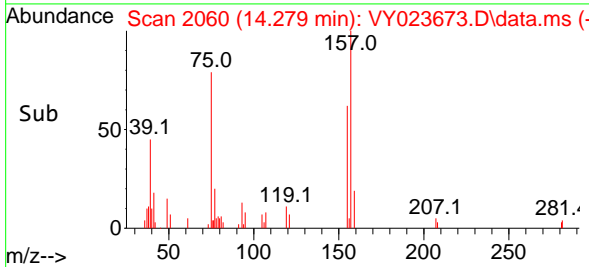
Tgt Ion:146 Resp: 52913
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.5 58.5
 148 63.8 31.9 95.9

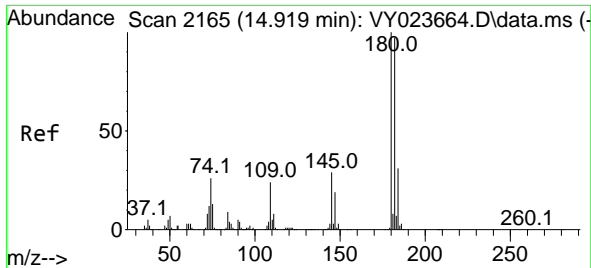


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.923 ug/l
 RT: 14.279 min Scan# 2060
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53



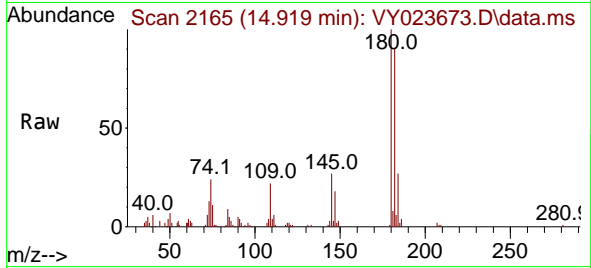
Tgt Ion: 75 Resp: 3267
 Ion Ratio Lower Upper
 75 100
 155 87.6 49.4 148.2
 157 118.2 63.2 189.8



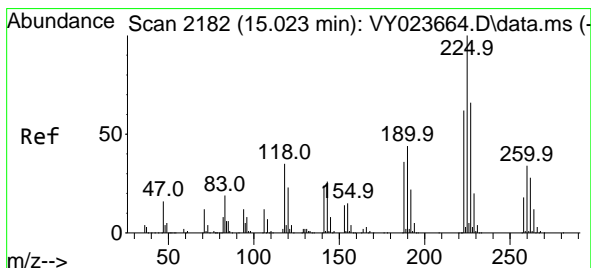
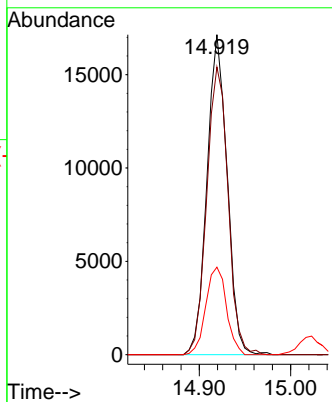
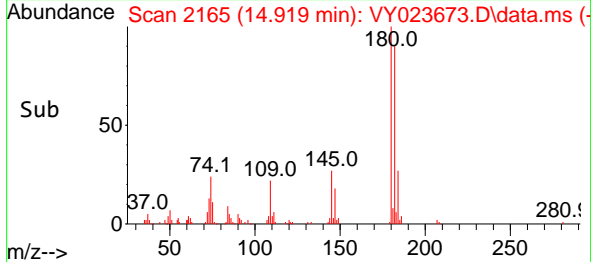


#93
 1,2,4-Trichlorobenzene
 Concen: 4.654 ug/l
 RT: 14.919 min Scan# 2165
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

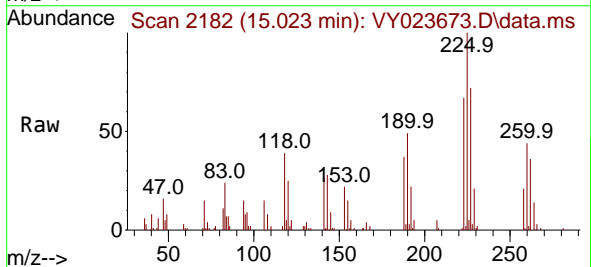
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



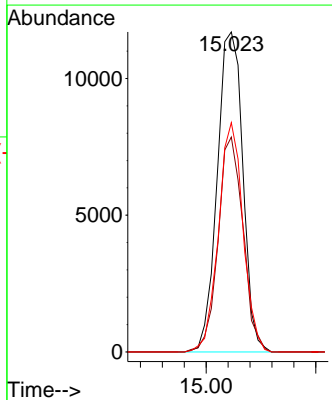
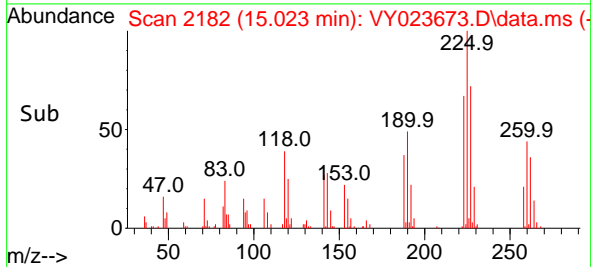
Tgt Ion:180 Resp: 26269
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.5 142.6
 145 27.9 14.4 43.4

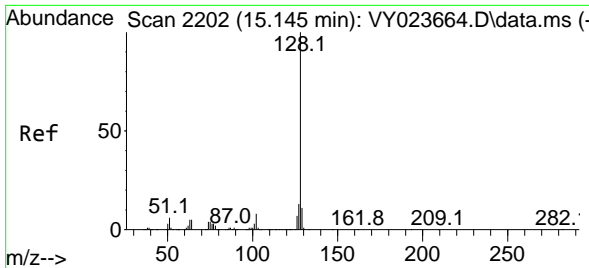


#94
 Hexachlorobutadiene
 Concen: 5.131 ug/l
 RT: 15.023 min Scan# 2182
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53



Tgt Ion:225 Resp: 18977
 Ion Ratio Lower Upper
 225 100
 223 65.2 30.8 92.3
 227 68.7 32.0 96.2

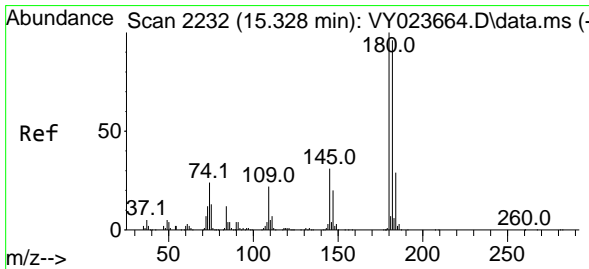
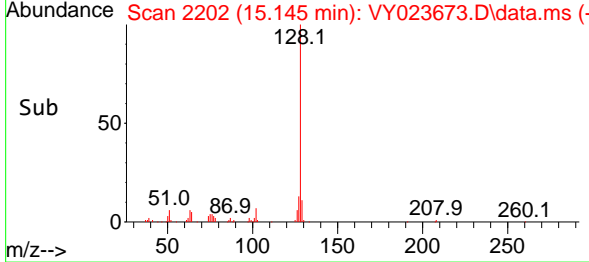
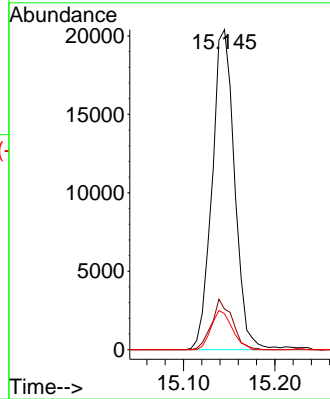
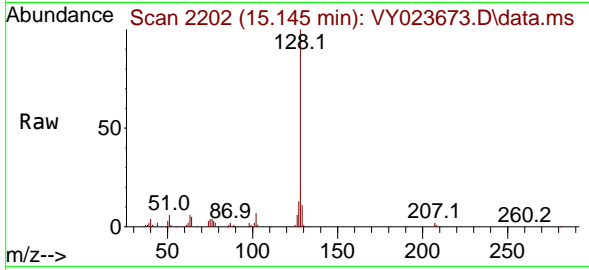




#95
 Naphthalene
 Concen: 8.423 ug/l
 RT: 15.145 min Scan# 2111
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Instrument : MSVOA_Y
 ClientSampleId : VY023673.D
 LOD-MDL-SOIL-01-QT4-2025

Tgt Ion	Resp	Lower	Upper
128	34860	100	100
127	14.6	10.5	15.7
129	11.5	8.8	13.2



#96
 1,2,3-Trichlorobenzene
 Concen: 4.844 ug/l
 RT: 15.328 min Scan# 2232
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:53

Tgt Ion	Resp	Lower	Upper
180	22842	100	100
182	94.6	47.5	142.6
145	29.0	15.5	46.5

