

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023219.D
 Acq On : 28 Aug 2025 12:22
 Operator : SY/MD
 Sample : Q2893-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

Quant Time: Aug 29 02:55:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 02:54:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	457069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	732828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	623495	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	302372	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	225779	51.830	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.660%	
35) Dibromofluoromethane	7.640	113	230548	52.576	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.160%	
50) Toluene-d8	10.109	98	873068	50.966	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.940%	
62) 4-Bromofluorobenzene	12.407	95	263500	47.830	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.660%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	14967	4.012	ug/l	96
3) Chloromethane	2.074	50	21844	3.615	ug/l	96
4) Vinyl Chloride	2.208	62	28251	3.782	ug/l	98
5) Bromomethane	2.598	94	26954	4.832	ug/l	94
6) Chloroethane	2.738	64	20095	4.046	ug/l	92
7) Trichlorofluoromethane	3.061	101	35566	3.916	ug/l	98
8) Diethyl Ether	3.458	74	11240	4.677	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.823	101	20191	4.506	ug/l	98
10) Methyl Iodide	4.006	142	17752	3.671	ug/l	99
11) Tert butyl alcohol	4.860	59	6205	20.789	ug/l #	71
12) 1,1-Dichloroethene	3.793	96	19165	4.351	ug/l	84
13) Acrolein	3.659	56	703	1.608	ug/l	95
14) Allyl chloride	4.390	41	23447	3.618	ug/l	97
15) Acrylonitrile	5.061	53	19102	19.553	ug/l	97
16) Acetone	3.878	43	23011	24.383	ug/l	94
17) Carbon Disulfide	4.110	76	51641	3.596	ug/l	99
18) Methyl Acetate	4.390	43	13058	4.650	ug/l	95
19) Methyl tert-butyl Ether	5.128	73	43716	3.830	ug/l	98
20) Methylene Chloride	4.616	84	30776	5.432	ug/l #	93
21) trans-1,2-Dichloroethene	5.116	96	20663	4.175	ug/l	93
22) Diisopropyl ether	6.024	45	49022	3.481	ug/l #	89
23) Vinyl Acetate	5.963	43	122192	15.691	ug/l	100
24) 1,1-Dichloroethane	5.927	63	34858	4.048	ug/l	98
25) 2-Butanone	6.896	43	25681	20.008	ug/l	99
26) 2,2-Dichloropropane	6.890	77	29542	3.976	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	23379	4.086	ug/l	95
28) Bromochloromethane	7.250	49	14327	4.194	ug/l	95
29) Tetrahydrofuran	7.262	42	14379	18.073	ug/l	98
30) Chloroform	7.426	83	37461	4.219	ug/l	100
31) Cyclohexane	7.707	56	34653	4.271	ug/l #	78
32) 1,1,1-Trichloroethane	7.622	97	33253	4.220	ug/l	98
36) 1,1-Dichloropropene	7.841	75	25033	3.841	ug/l	97
37) Ethyl Acetate	6.988	43	9325	3.406	ug/l #	91
38) Carbon Tetrachloride	7.823	117	29336	4.145	ug/l	97
39) Methylcyclohexane	9.109	83	31497	3.670	ug/l	97
40) Benzene	8.085	78	80403	4.003	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	5696	3.605	ug/l #	72
42) 1,2-Dichloroethane	8.158	62	21006	4.021	ug/l	97
43) Isopropyl Acetate	8.201	43	20223	3.655	ug/l	95
44) Trichloroethene	8.871	130	22223	4.281	ug/l	97
45) 1,2-Dichloropropane	9.140	63	18086	3.913	ug/l	99
46) Dibromomethane	9.231	93	11491	4.332	ug/l	98
47) Bromodichloromethane	9.426	83	26528	3.887	ug/l #	98
48) Methyl methacrylate	9.225	41	9206	3.477	ug/l	99
49) 1,4-Dioxane	9.231	88	2580	82.952	ug/l	90
51) 4-Methyl-2-Pentanone	9.999	43	50163	17.576	ug/l	99
52) Toluene	10.170	92	49772	3.902	ug/l	98
53) t-1,3-Dichloropropene	10.395	75	22473	3.636	ug/l	93
54) cis-1,3-Dichloropropene	9.859	75	26801	3.667	ug/l	98
55) 1,1,2-Trichloroethane	10.578	97	15402	4.339	ug/l	96
56) Ethyl methacrylate	10.438	69	16395	3.610	ug/l	93
57) 1,3-Dichloropropane	10.719	76	23901	3.971	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.713	63	32895	15.354	ug/l	98
59) 2-Hexanone	10.761	43	32288	16.614	ug/l	99
60) Dibromochloromethane	10.914	129	19020	4.061	ug/l	97
61) 1,2-Dibromoethane	11.017	107	13554	4.063	ug/l	94
64) Tetrachloroethene	10.645	164	27350	4.913	ug/l	99
65) Chlorobenzene	11.444	112	55005	4.090	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	19625	4.300	ug/l	100
67) Ethyl Benzene	11.517	91	84909	3.669	ug/l	98
68) m/p-Xylenes	11.627	106	65390	7.234	ug/l	97
69) o-Xylene	11.956	106	30754	3.633	ug/l	97
70) Styrene	11.968	104	48185	3.480	ug/l	98
71) Bromoform	12.133	173	11337	4.250	ug/l #	95
73) Isopropylbenzene	12.255	105	76915	3.604	ug/l	97
74) N-amyl acetate	12.072	43	13654	3.017	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	14103	3.870	ug/l	94
76) 1,2,3-Trichloropropane	12.554	75	20271	6.946	ug/l #	100
77) Bromobenzene	12.529	156	21459	4.215	ug/l	95
78) n-propylbenzene	12.596	91	95987	3.778	ug/l	97
79) 2-Chlorotoluene	12.676	91	56780	3.900	ug/l	98
80) 1,3,5-Trimethylbenzene	12.736	105	61707	3.578	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	4411	3.659	ug/l	98
82) 4-Chlorotoluene	12.773	91	58865	3.898	ug/l	99
83) tert-Butylbenzene	12.999	119	57172	3.670	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	58871	3.429	ug/l	99
85) sec-Butylbenzene	13.175	105	84846	3.708	ug/l	100
86) p-Isopropyltoluene	13.291	119	66929	3.524	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	42082	4.191	ug/l	97
88) 1,4-Dichlorobenzene	13.364	146	42536	4.271	ug/l	95
89) n-Butylbenzene	13.614	91	62215	3.566	ug/l	98
90) Hexachloroethane	13.877	117	16239	4.176	ug/l	93
91) 1,2-Dichlorobenzene	13.657	146	36564	4.152	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	2594	4.572	ug/l	92
93) 1,2,4-Trichlorobenzene	14.919	180	19681	3.780	ug/l	96
94) Hexachlorobutadiene	15.023	225	13732	4.488	ug/l	97
95) Naphthalene	15.145	128	28173	3.173	ug/l	97
96) 1,2,3-Trichlorobenzene	15.328	180	16876	3.761	ug/l	96

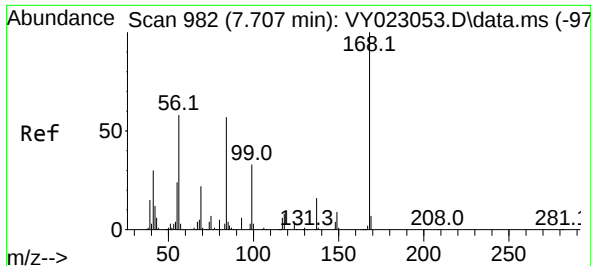
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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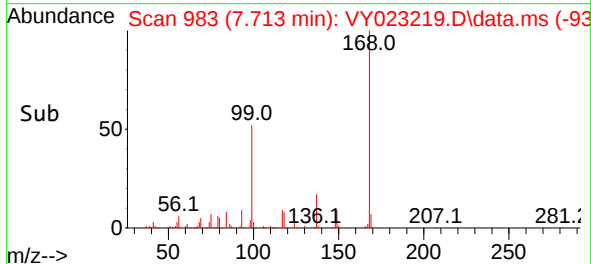
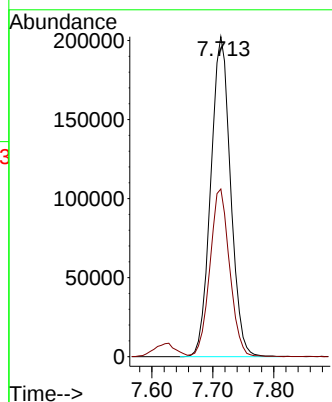
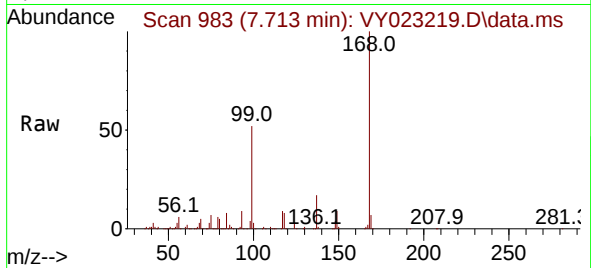
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023219.D
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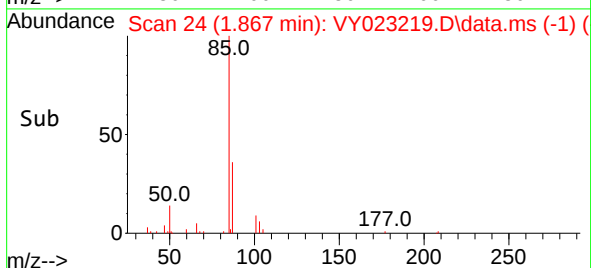
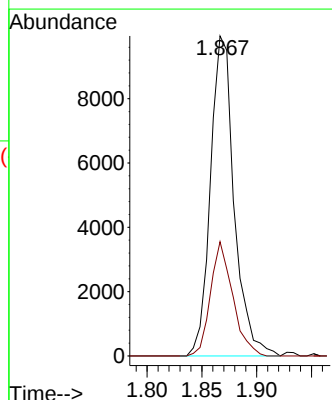
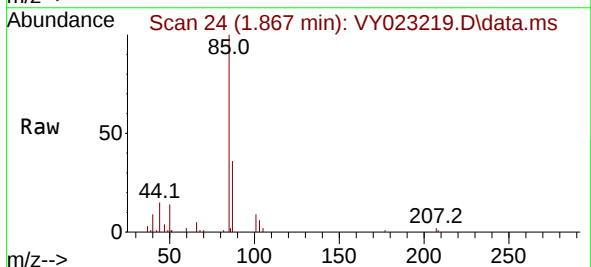
Instrument :
MSVOA_Y
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Tgt Ion:168 Resp: 457069
Ion Ratio Lower Upper
168 100
99 52.4 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 4.012 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion: 85 Resp: 14967
Ion Ratio Lower Upper
85 100
87 35.7 16.6 49.8

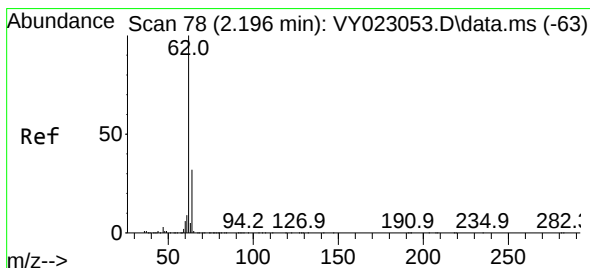
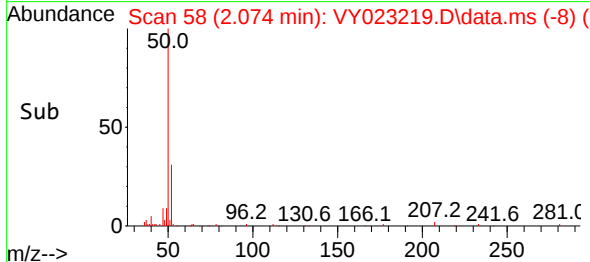
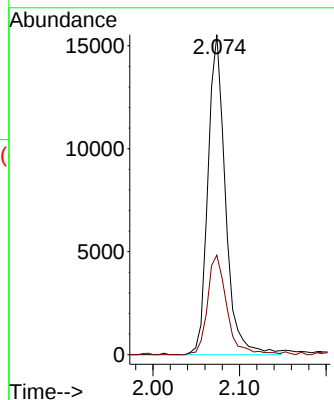
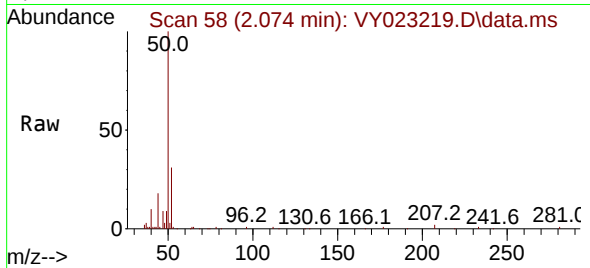




#3
Chloromethane
Concen: 3.615 ug/l
RT: 2.074 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

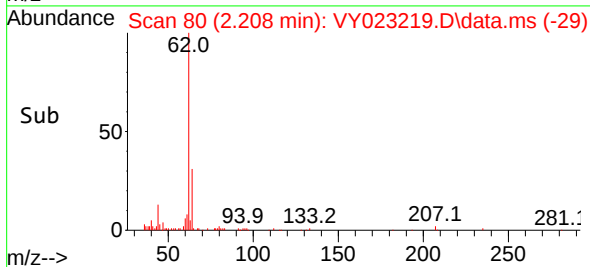
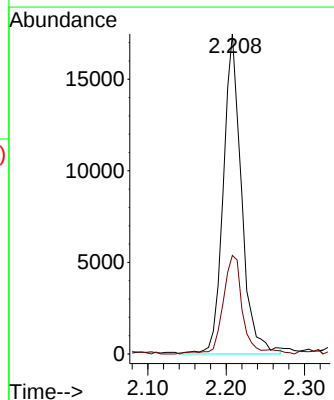
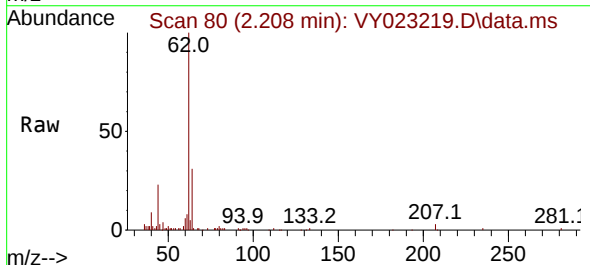
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Tgt Ion: 50 Resp: 21844
Ion Ratio Lower Upper
50 100
52 31.1 26.7 40.1



#4
Vinyl Chloride
Concen: 3.782 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.012 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion: 62 Resp: 28251
Ion Ratio Lower Upper
62 100
64 30.5 25.4 38.0

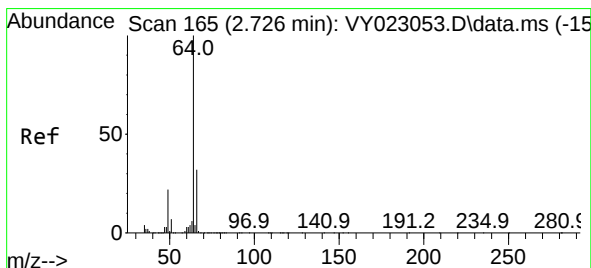
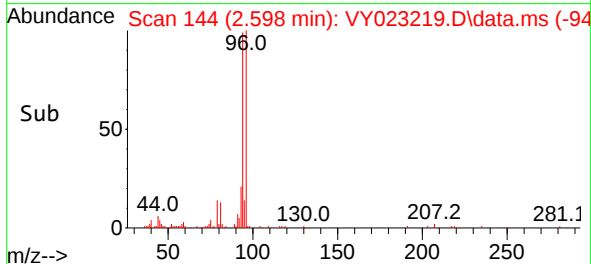
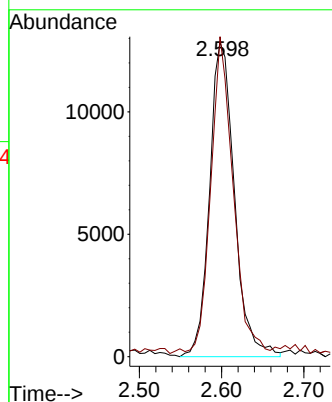
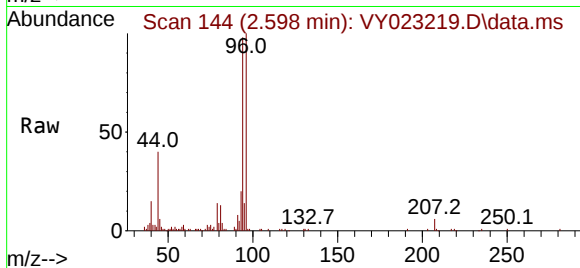




#5
Bromomethane
Concen: 4.832 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023219.D
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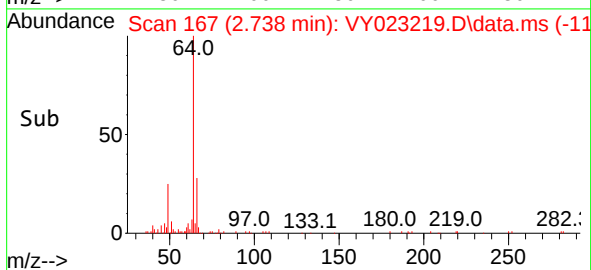
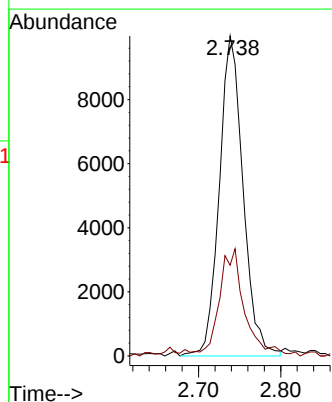
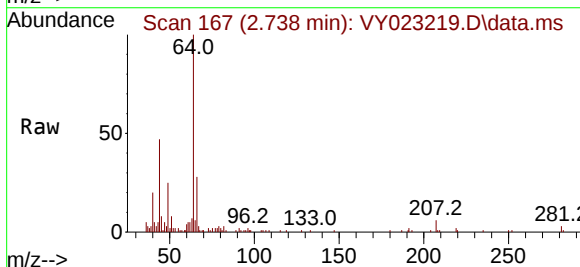
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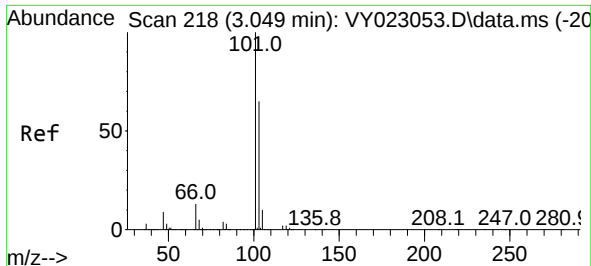
Tgt Ion: 94 Resp: 26954
Ion Ratio Lower Upper
94 100
96 99.3 74.6 112.0



#6
Chloroethane
Concen: 4.046 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.012 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion: 64 Resp: 20095
Ion Ratio Lower Upper
64 100
66 27.5 25.8 38.6

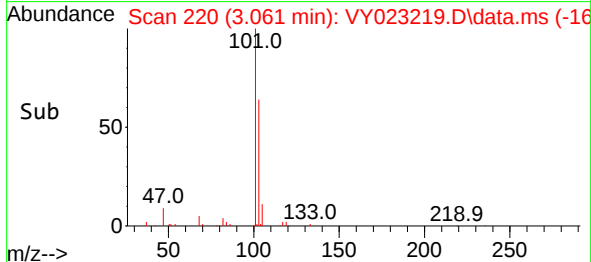
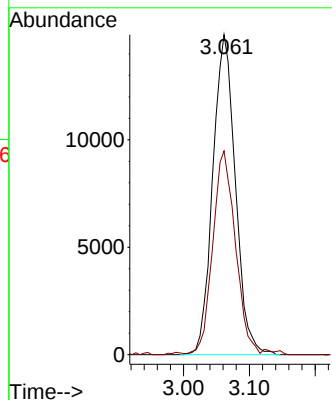
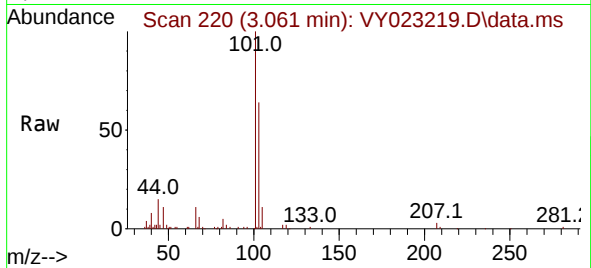




#7
 Trichlorofluoromethane
 Concen: 3.916 ug/l
 RT: 3.061 min Scan# 218
 Delta R.T. 0.012 min
 Lab File: VY023219.D
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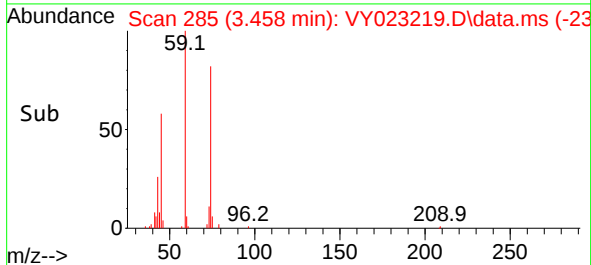
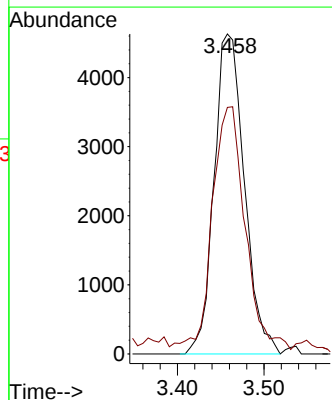
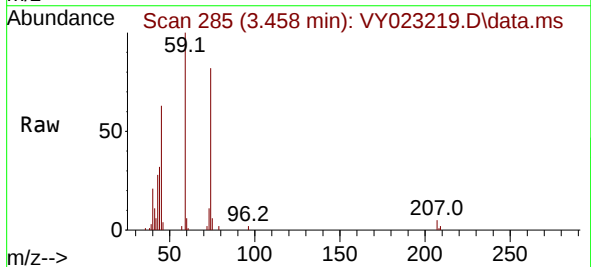
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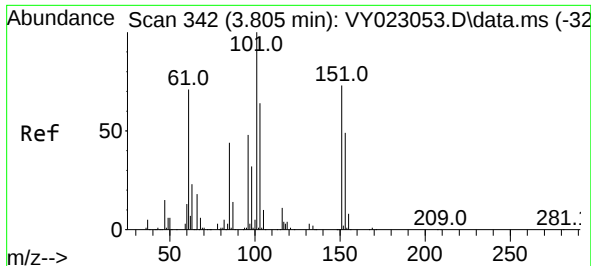
Tgt Ion:101 Resp: 35566
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.9 77.9



#8
 Diethyl Ether
 Concen: 4.677 ug/l
 RT: 3.458 min Scan# 285
 Delta R.T. 0.012 min
 Lab File: VY023219.D
 Acq: 28 Aug 2025 12:22

Tgt Ion: 74 Resp: 11240
 Ion Ratio Lower Upper
 74 100
 45 81.2 44.4 133.2

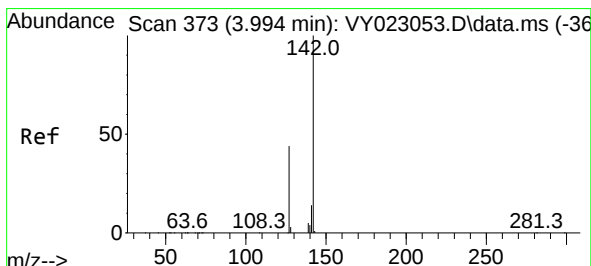
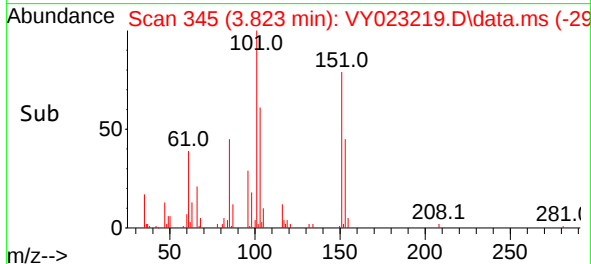
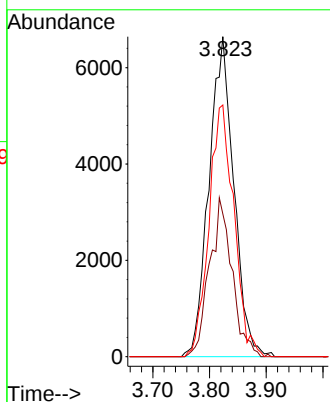
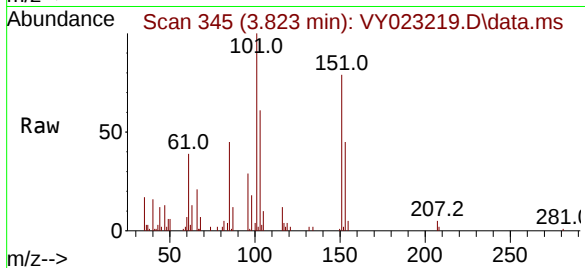




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.506 ug/l
RT: 3.823 min Scan# 34
Delta R.T. 0.018 min
Lab File: VY023219.D
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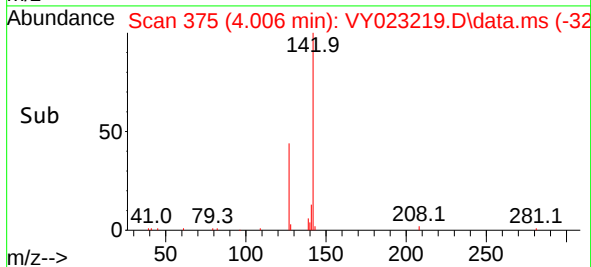
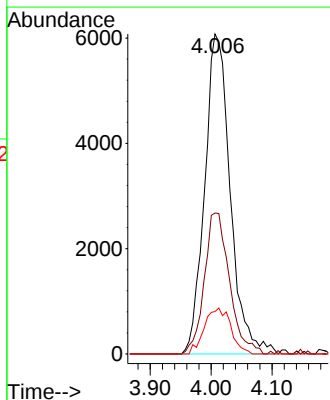
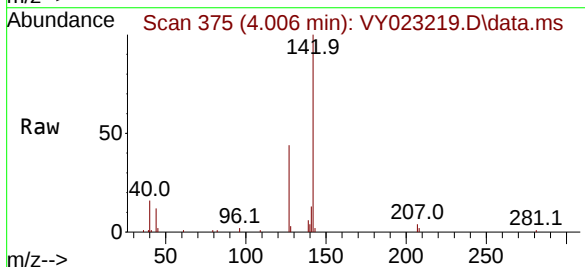
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Tgt Ion:101 Resp: 20191
Ion Ratio Lower Upper
101 100
85 45.1 36.3 54.5
151 79.3 61.5 92.3



#10
Methyl Iodide
Concen: 3.671 ug/l
RT: 4.006 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion:142 Resp: 17752
Ion Ratio Lower Upper
142 100
127 43.3 34.9 52.3
141 14.8 11.3 16.9

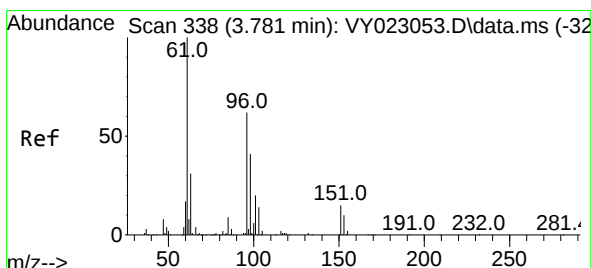
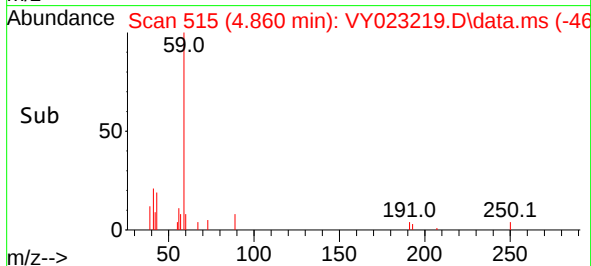
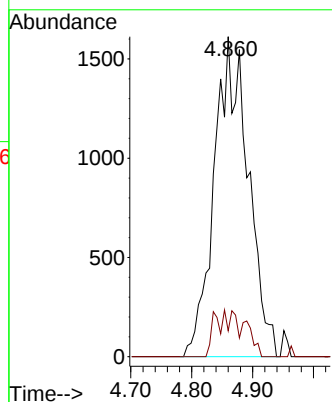
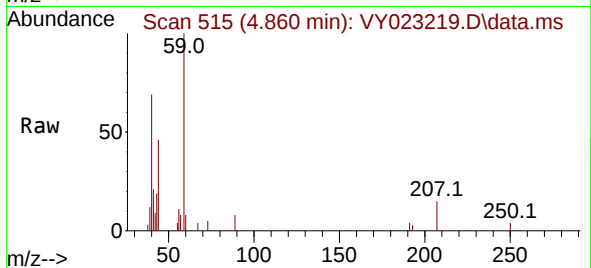




#11
Tert butyl alcohol
Concen: 20.789 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.000 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

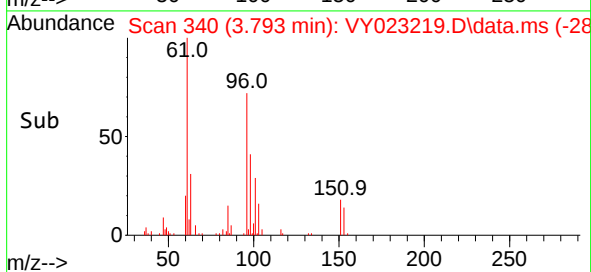
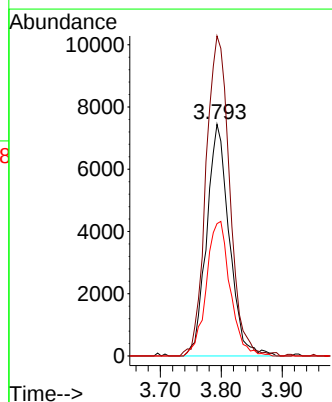
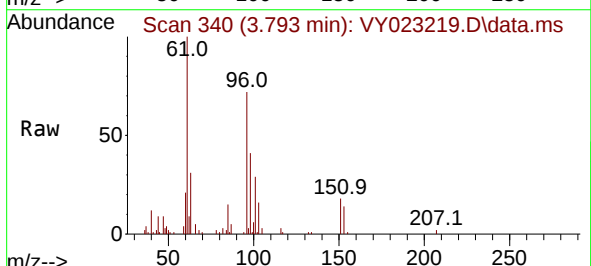
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

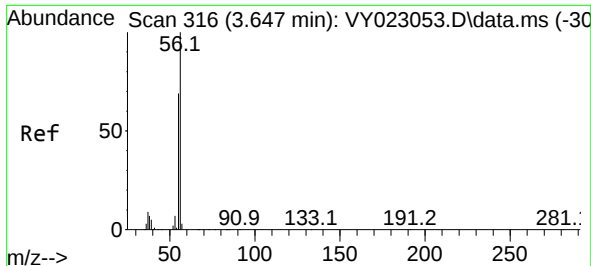
Tgt Ion: 59 Resp: 6205
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#12
1,1-Dichloroethene
Concen: 4.351 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.012 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion: 96 Resp: 19165
Ion Ratio Lower Upper
96 100
61 138.2 129.4 194.2
98 57.2 52.8 79.2





#13

Acrolein

Concen: 1.608 ug/l

RT: 3.659 min Scan# 316

Delta R.T. 0.012 min

Lab File: VY023219.D

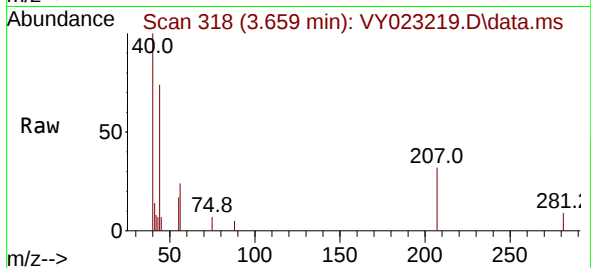
Acq: 28 Aug 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

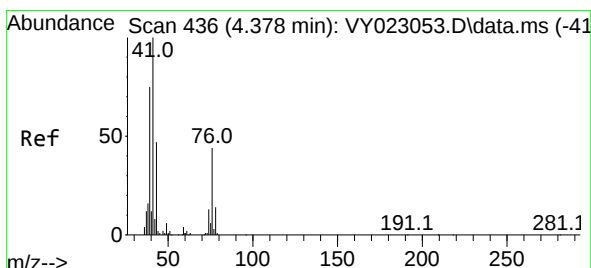
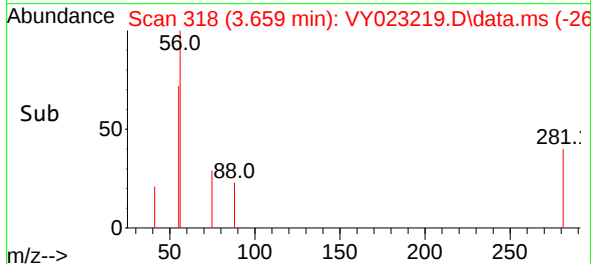
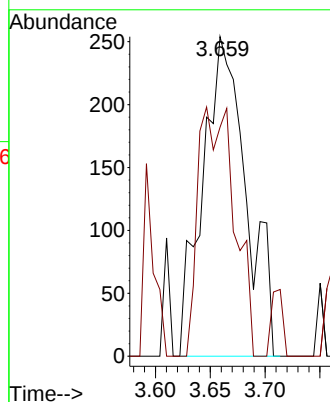


Tgt Ion: 56 Resp: 703

Ion Ratio Lower Upper

56 100

55 65.1 55.2 82.8



#14

Allyl chloride

Concen: 3.618 ug/l

RT: 4.390 min Scan# 438

Delta R.T. 0.012 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

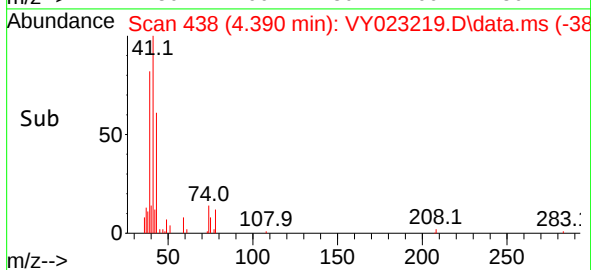
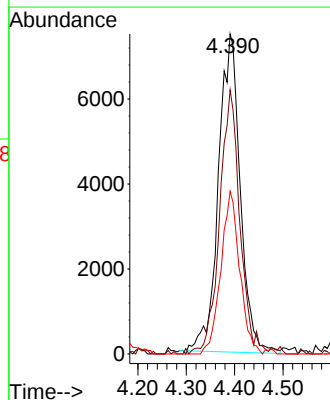
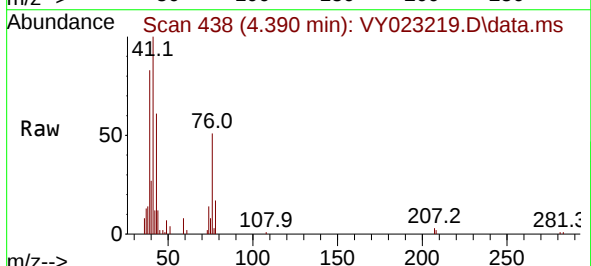
Tgt Ion: 41 Resp: 23447

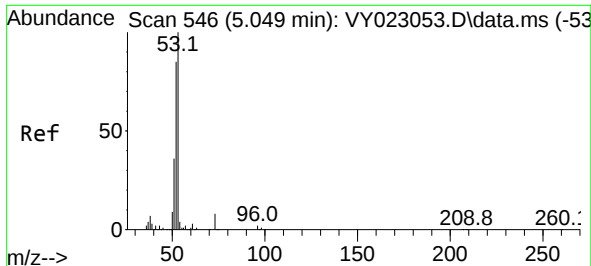
Ion Ratio Lower Upper

41 100

39 77.1 59.8 89.6

76 44.2 33.7 50.5

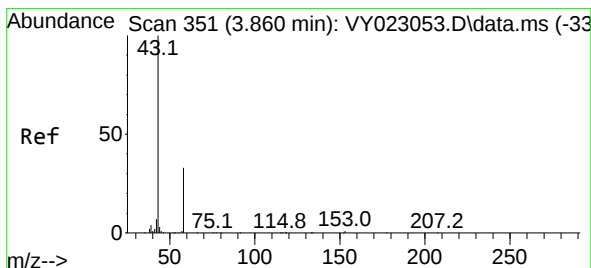
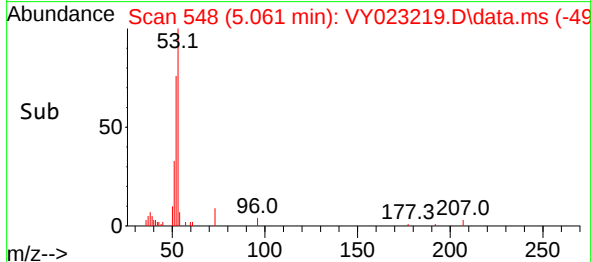
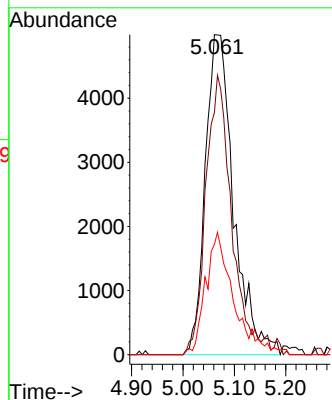
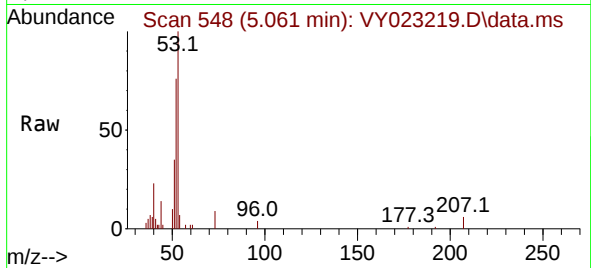




#15
Acrylonitrile
Concen: 19.553 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

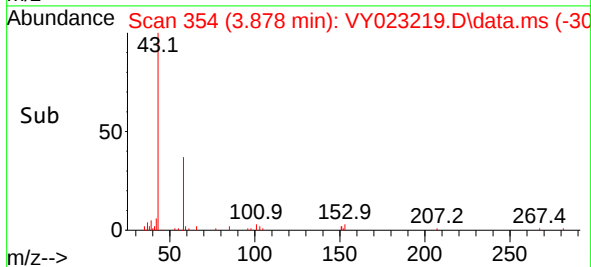
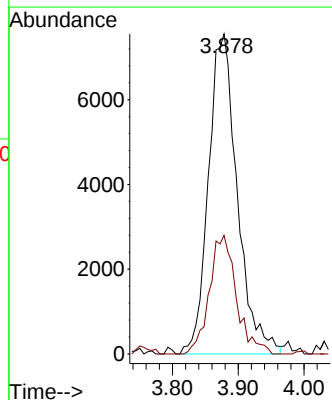
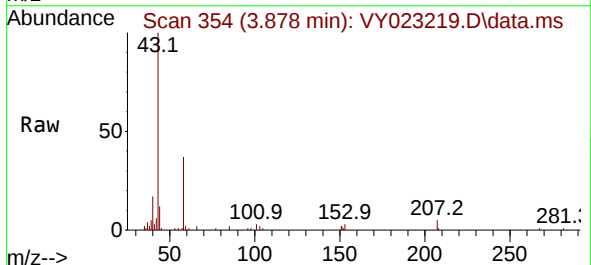
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

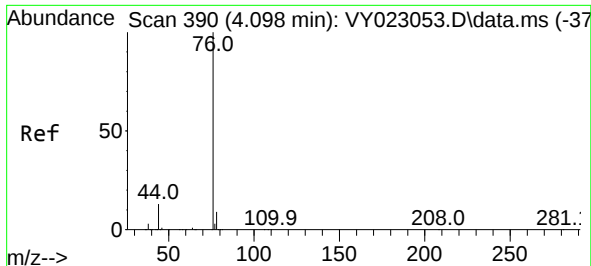
Tgt Ion: 53	Resp: 19102
Ion Ratio	Lower Upper
53 100	
52 78.5	65.3 97.9
51 37.8	29.5 44.3



#16
Acetone
Concen: 24.383 ug/l
RT: 3.878 min Scan# 354
Delta R.T. 0.018 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion: 43	Resp: 23011
Ion Ratio	Lower Upper
43 100	
58 37.1	27.1 40.7

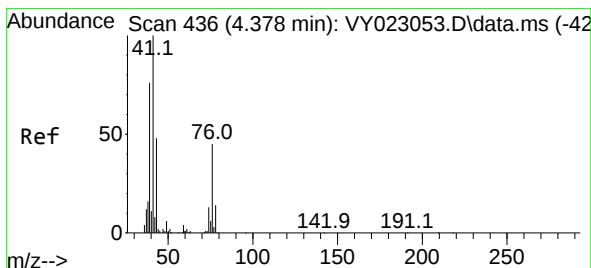
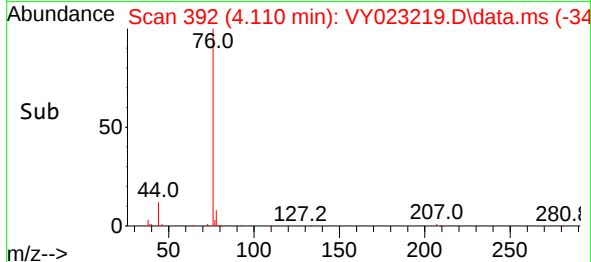
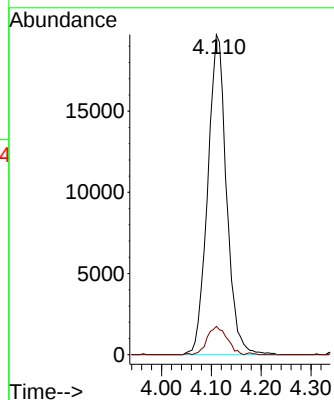
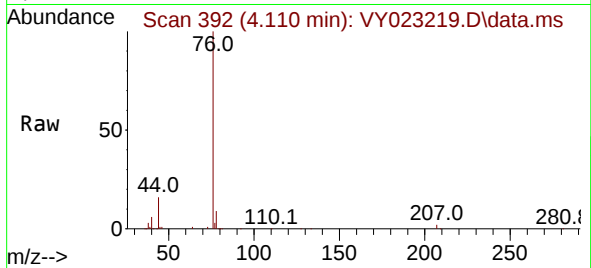




#17
Carbon Disulfide
Concen: 3.596 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

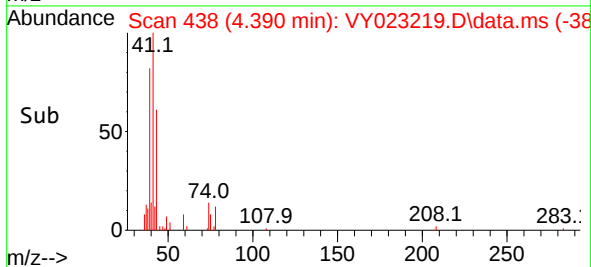
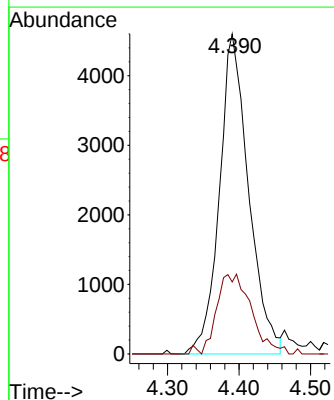
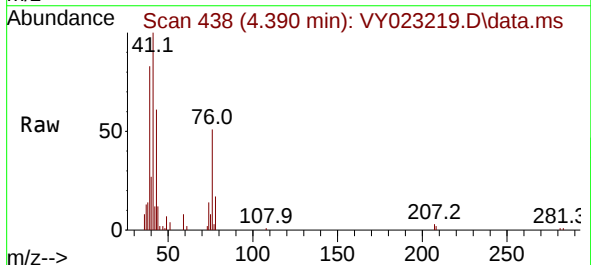
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

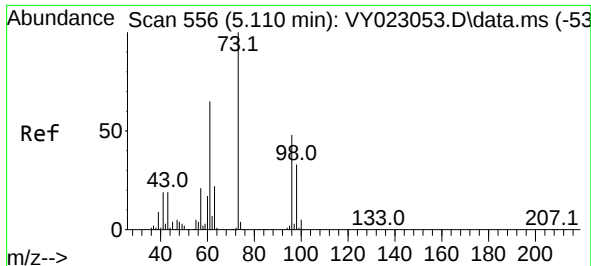
Tgt Ion: 76 Resp: 51641
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



#18
Methyl Acetate
Concen: 4.650 ug/l
RT: 4.390 min Scan# 438
Delta R.T. 0.012 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion: 43 Resp: 13058
Ion Ratio Lower Upper
43 100
74 29.2 21.2 31.8

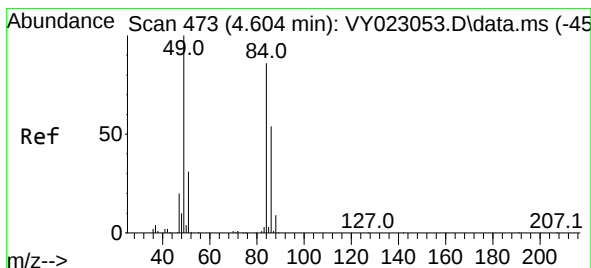
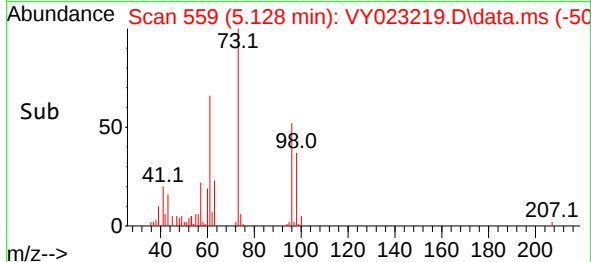
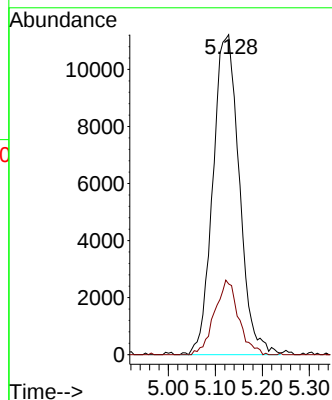
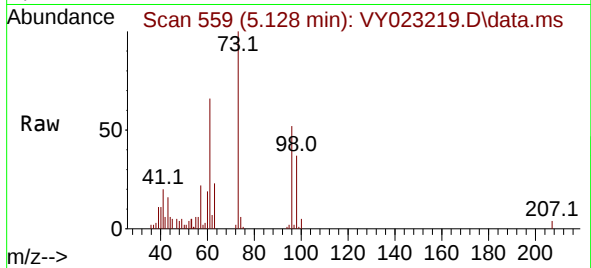




#19
Methyl tert-butyl Ether
Concen: 3.830 ug/l
RT: 5.128 min Scan# 51
Delta R.T. 0.018 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

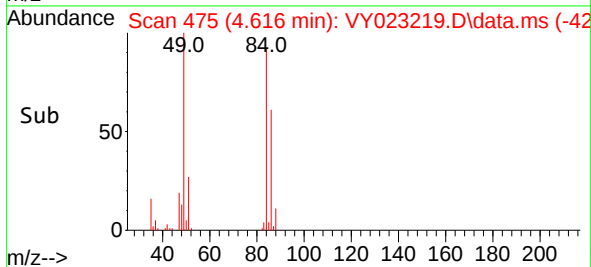
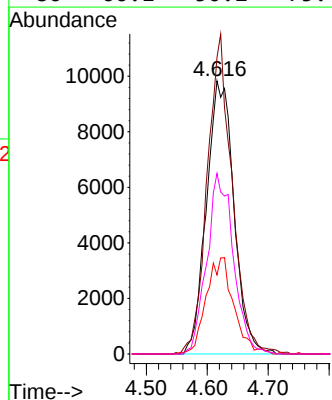
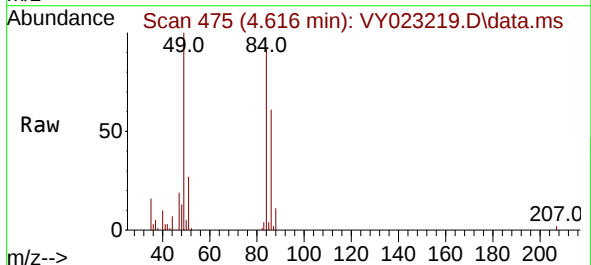
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

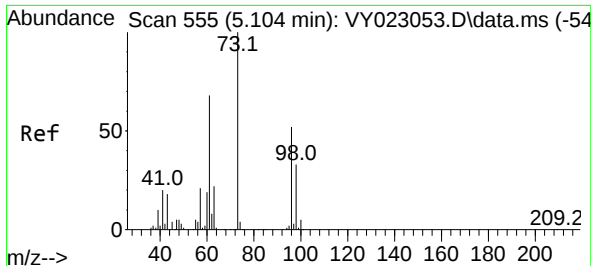
Tgt Ion: 73 Resp: 43716
Ion Ratio Lower Upper
73 100
57 22.1 17.1 25.7



#20
Methylene Chloride
Concen: 5.432 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion: 84 Resp: 30776
Ion Ratio Lower Upper
84 100
49 108.5 93.0 139.6
51 28.3 29.0 43.4#
86 66.1 50.2 75.4

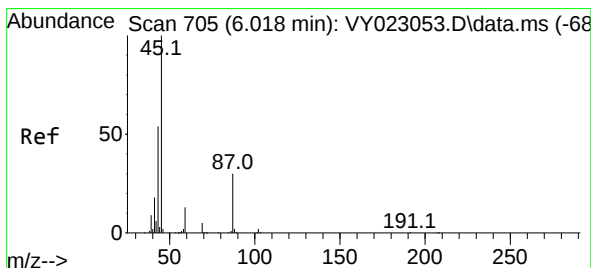
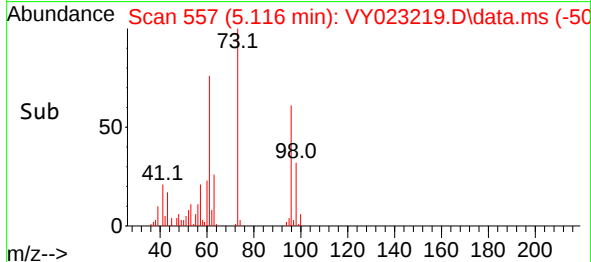
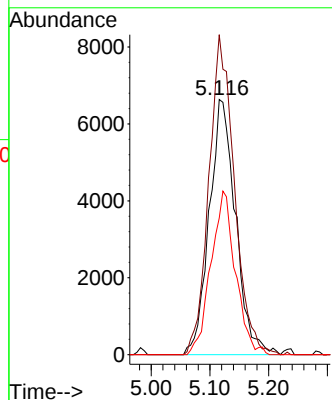
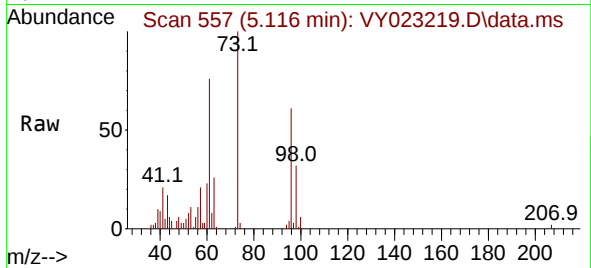




#21
trans-1,2-Dichloroethene
Concen: 4.175 ug/l
RT: 5.116 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

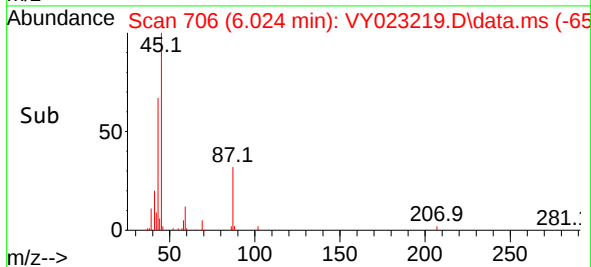
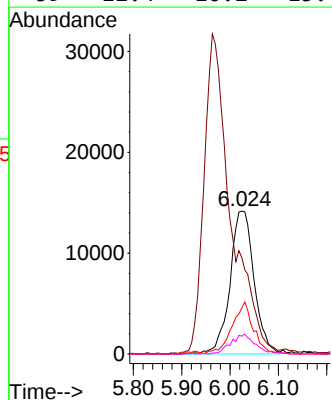
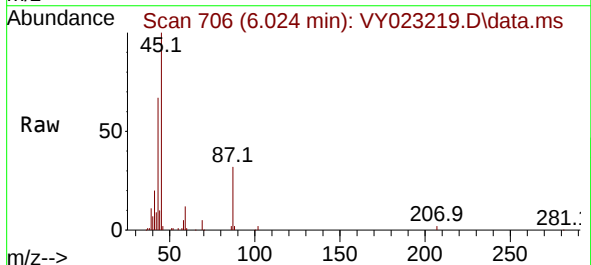
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 96 Resp: 20663
Ion Ratio Lower Upper
96 100
61 125.4 104.8 157.2
98 53.6 50.1 75.1



#22
Diisopropyl ether
Concen: 3.481 ug/l
RT: 6.024 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion: 45 Resp: 49022
Ion Ratio Lower Upper
45 100
43 67.4 43.4 65.0#
87 31.3 24.4 36.6
59 12.4 10.2 15.4

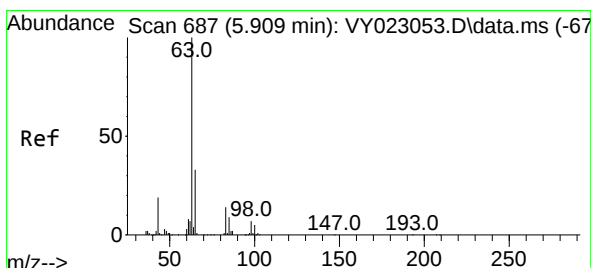
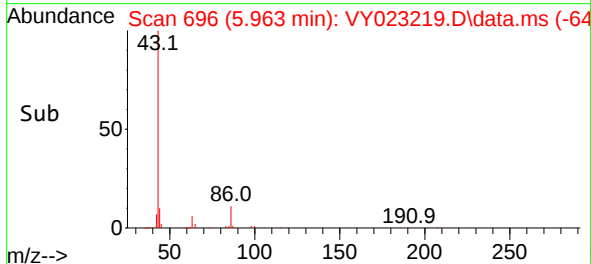
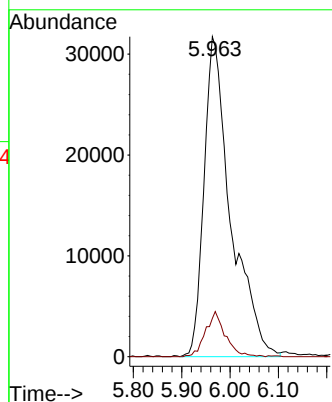
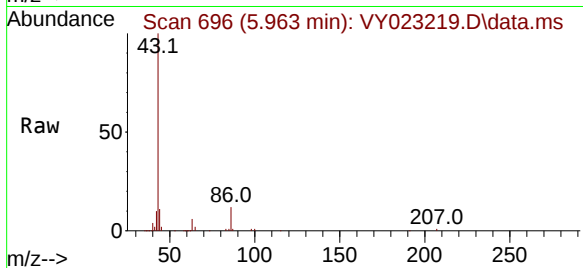




#23
 Vinyl Acetate
 Concen: 15.691 ug/l
 RT: 5.963 min Scan# 694
 Delta R.T. 0.012 min
 Lab File: VY023219.D
 Acq: 28 Aug 2025 12:22

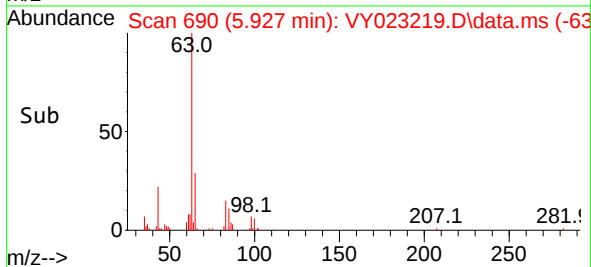
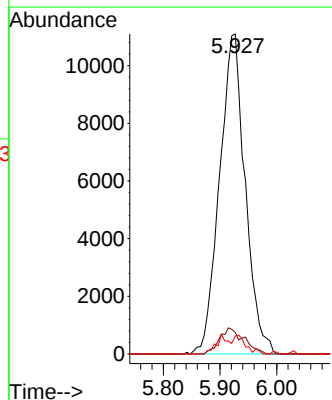
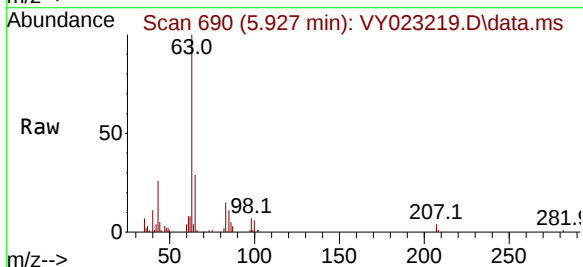
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

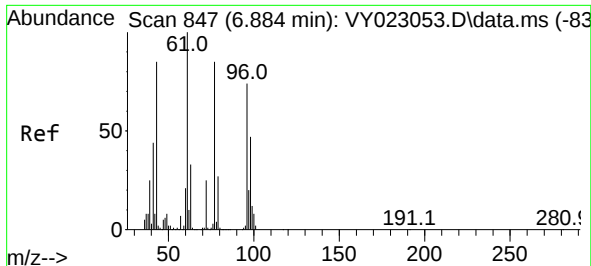
Tgt Ion: 43 Resp: 122192
 Ion Ratio Lower Upper
 43 100
 86 12.0 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 4.048 ug/l
 RT: 5.927 min Scan# 690
 Delta R.T. 0.018 min
 Lab File: VY023219.D
 Acq: 28 Aug 2025 12:22

Tgt Ion: 63 Resp: 34858
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.5 10.6
 100 5.5 2.4 7.1

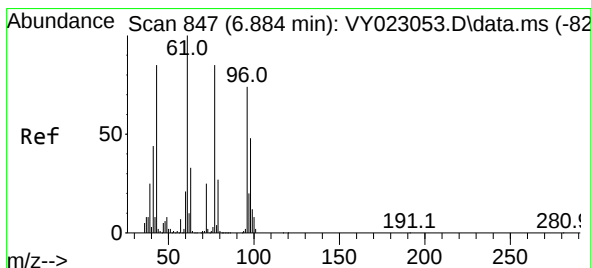
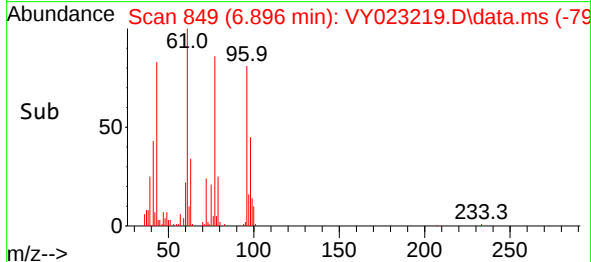
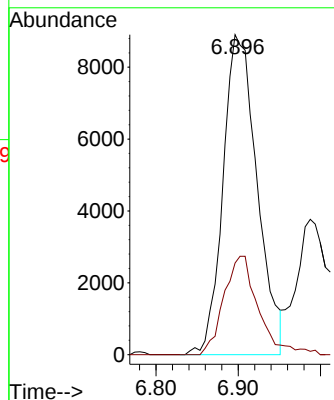
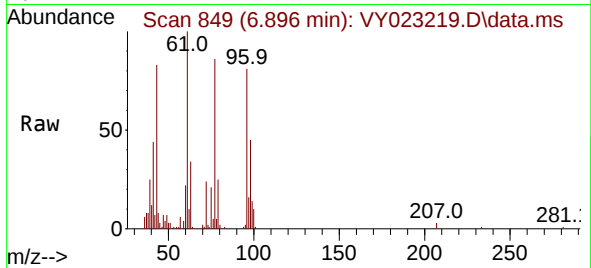




#25
2-Butanone
Concen: 20.008 ug/l
RT: 6.896 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

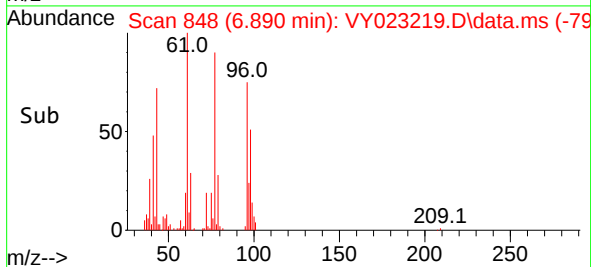
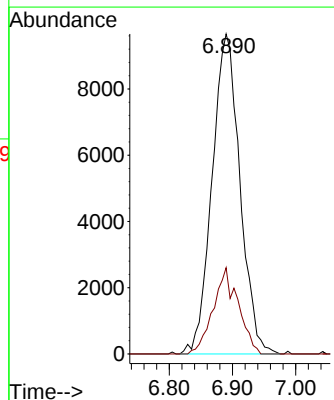
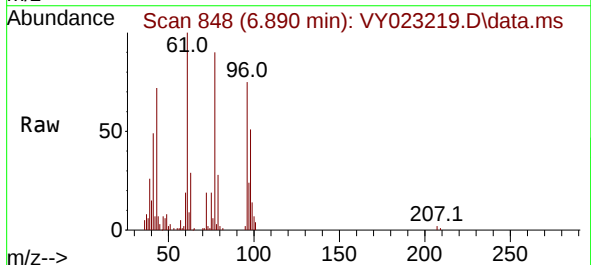
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

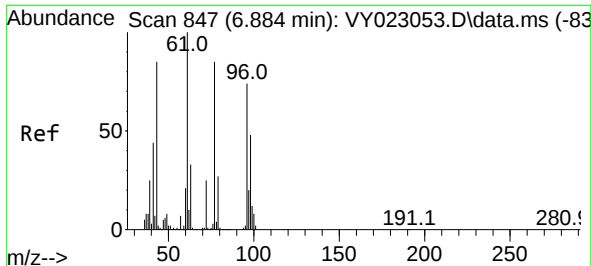
Tgt Ion: 43 Resp: 25681
Ion Ratio Lower Upper
43 100
72 28.6 23.5 35.3



#26
2,2-Dichloropropane
Concen: 3.976 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion: 77 Resp: 29542
Ion Ratio Lower Upper
77 100
97 24.2 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 4.086 ug/l

RT: 6.896 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

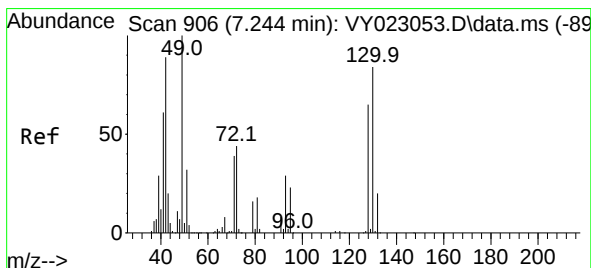
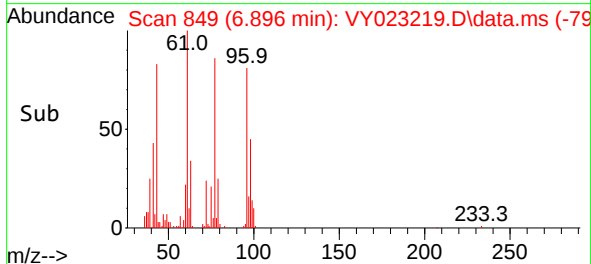
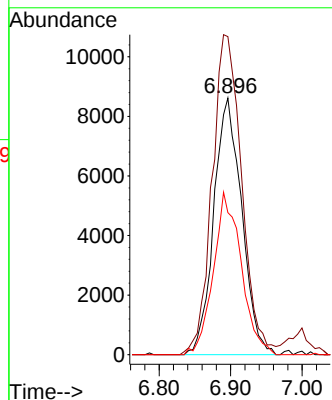
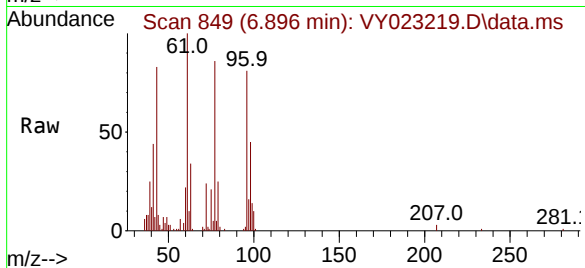
Tgt Ion: 96 Resp: 23379

Ion Ratio Lower Upper

96 100

61 131.6 0.0 278.6

98 63.0 0.0 130.4



#28

Bromochloromethane

Concen: 4.194 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

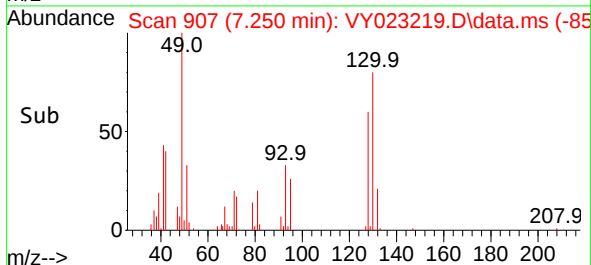
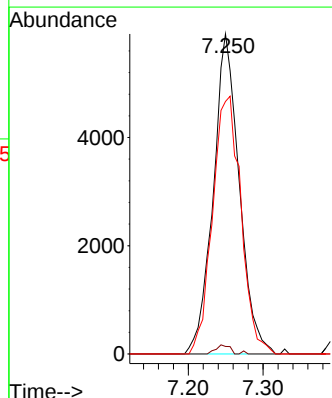
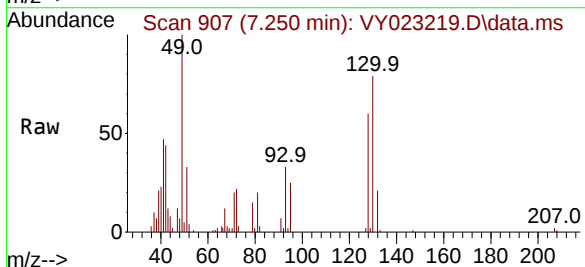
Tgt Ion: 49 Resp: 14327

Ion Ratio Lower Upper

49 100

129 1.5 0.0 4.2

130 87.9 66.4 99.6





#29

Tetrahydrofuran

Concen: 18.073 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

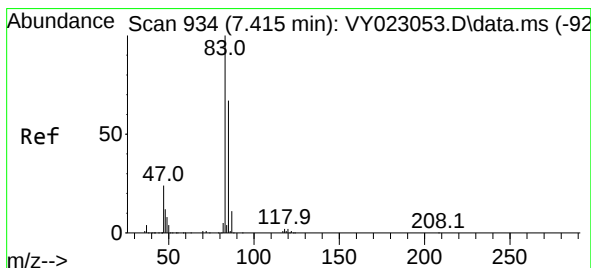
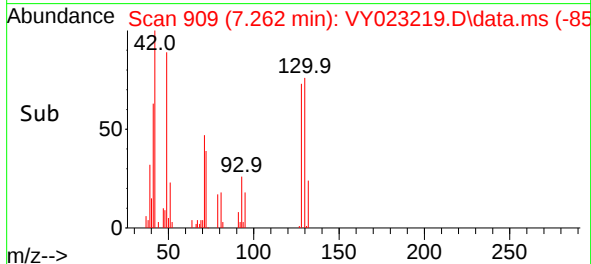
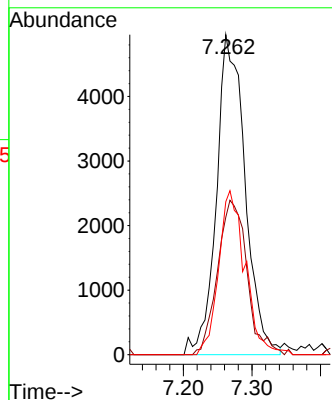
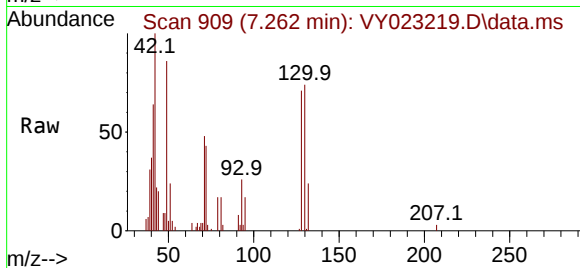
Tgt Ion: 42 Resp: 14379

Ion Ratio Lower Upper

42 100

72 49.6 39.4 59.2

71 47.5 36.5 54.7



#30

Chloroform

Concen: 4.219 ug/l

RT: 7.426 min Scan# 936

Delta R.T. 0.012 min

Lab File: VY023219.D

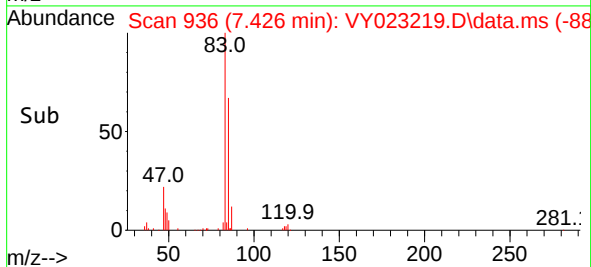
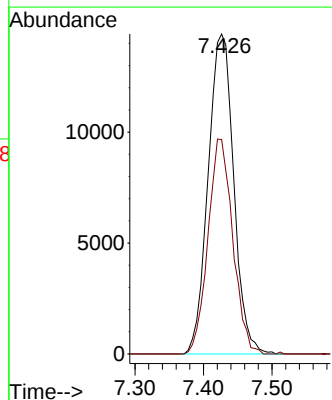
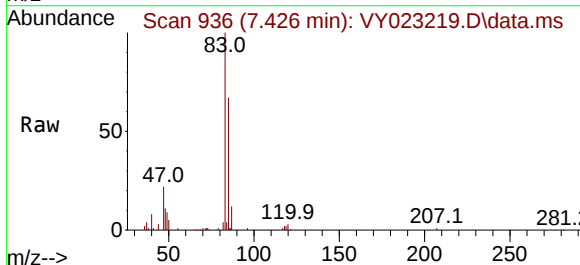
Acq: 28 Aug 2025 12:22

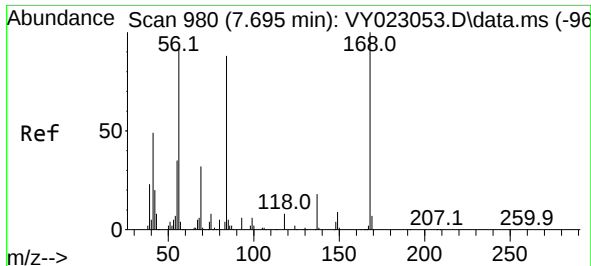
Tgt Ion: 83 Resp: 37461

Ion Ratio Lower Upper

83 100

85 67.0 53.8 80.8

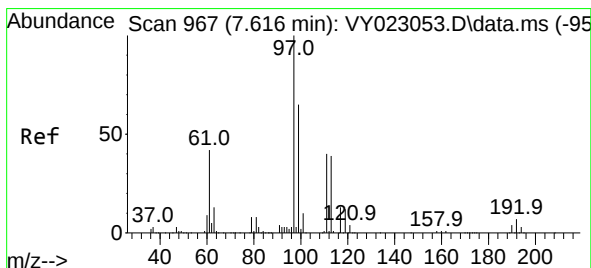
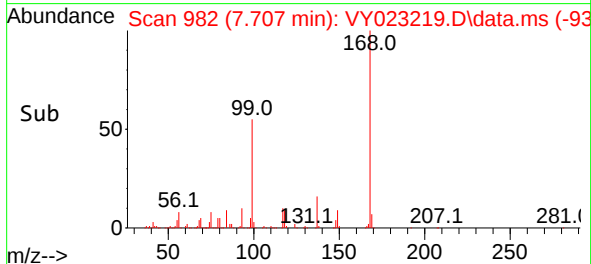
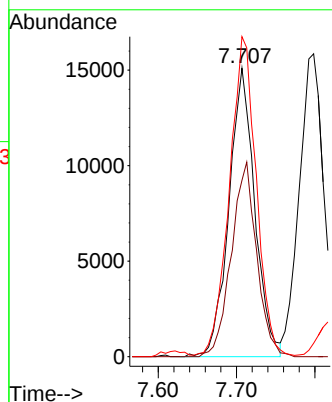
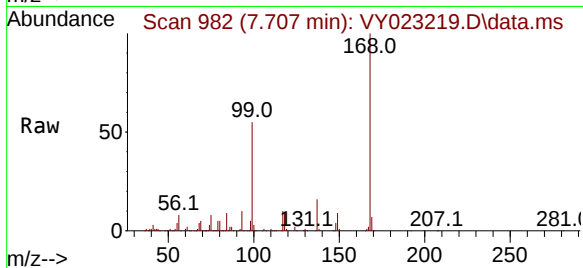




#31
Cyclohexane
Concen: 4.271 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

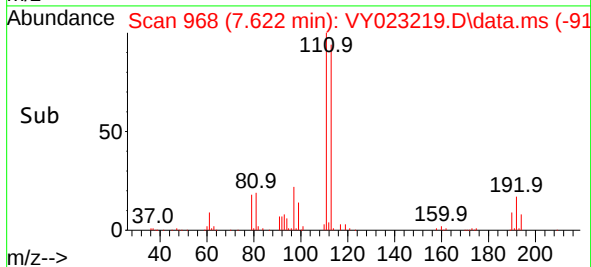
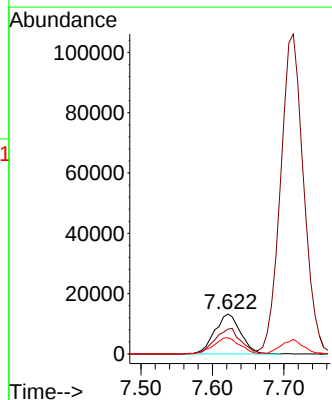
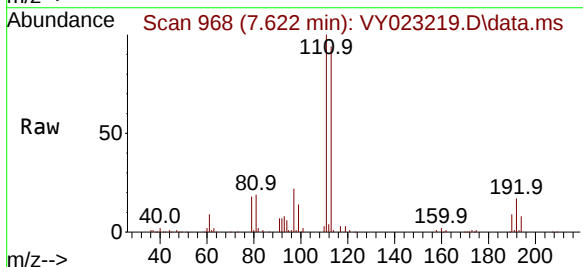
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 56 Resp: 34653
Ion Ratio Lower Upper
56 100
69 61.1 28.2 42.2#
84 109.4 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 4.220 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion: 97 Resp: 33253
Ion Ratio Lower Upper
97 100
99 63.1 51.6 77.4
61 41.3 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 51.830 ug/l

RT: 8.067 min Scan# 1103

Delta R.T. 0.012 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

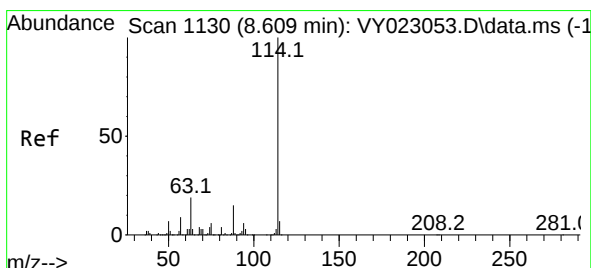
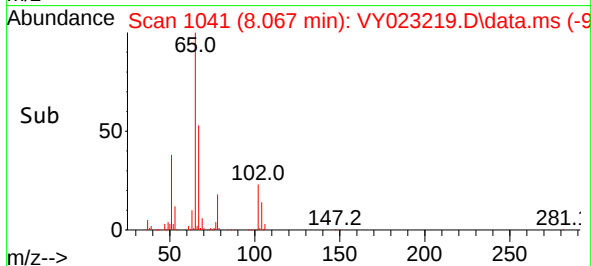
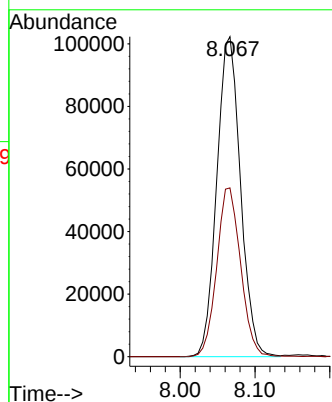
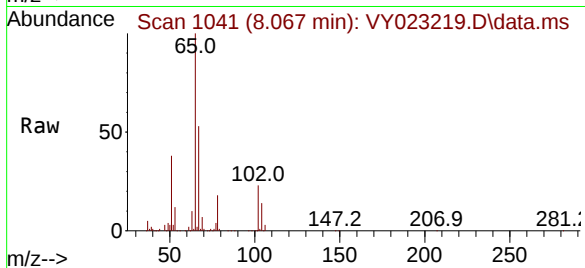
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 65 Resp: 225779

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

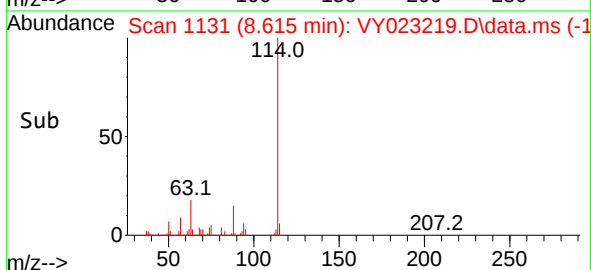
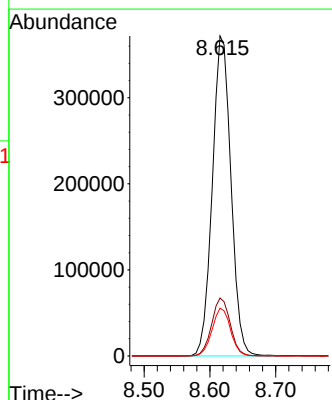
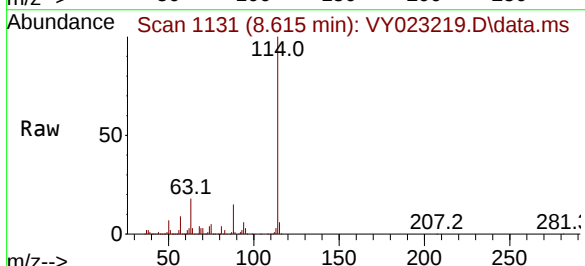
Tgt Ion: 114 Resp: 732828

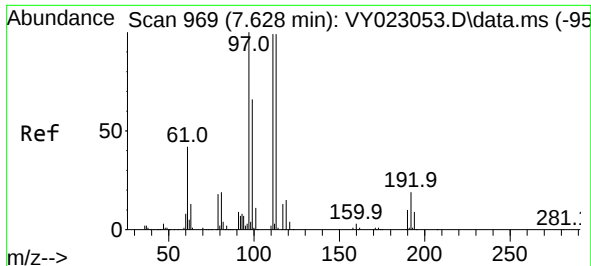
Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

88 15.0 0.0 30.0

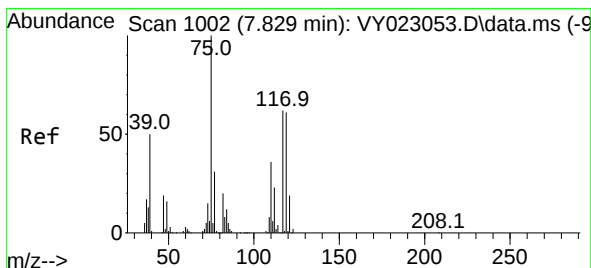
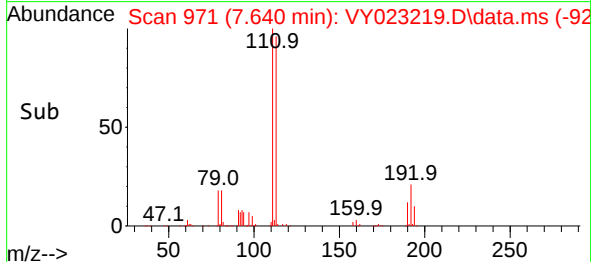
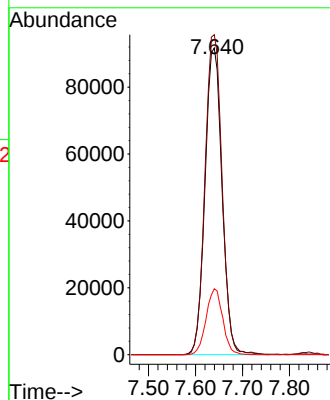
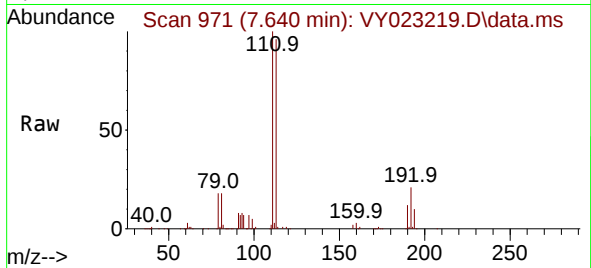




#35
Dibromofluoromethane
Concen: 52.576 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

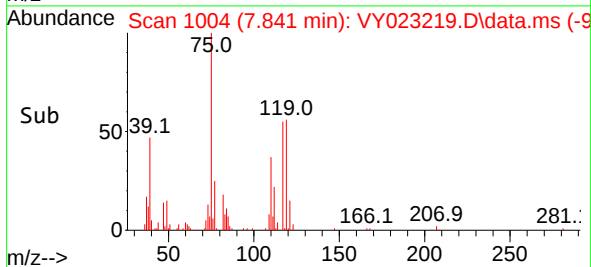
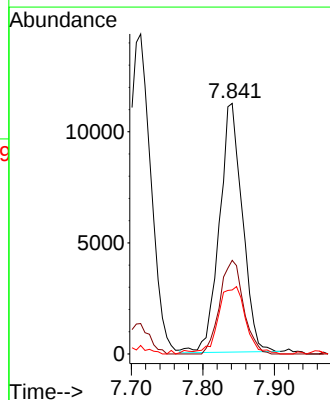
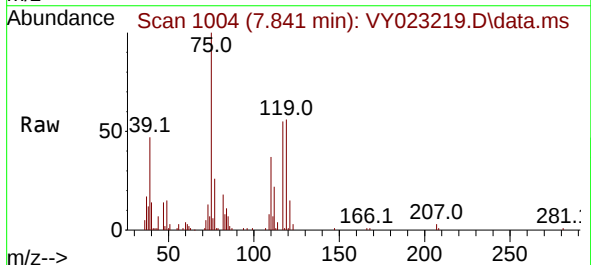
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

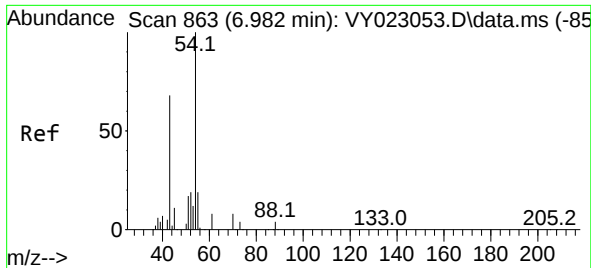
Tgt Ion:113 Resp: 230548
Ion Ratio Lower Upper
113 100
111 104.6 81.1 121.7
192 20.9 16.2 24.4



#36
1,1-Dichloropropene
Concen: 3.841 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.012 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion: 75 Resp: 25033
Ion Ratio Lower Upper
75 100
110 38.7 18.1 54.4
77 31.7 24.6 37.0

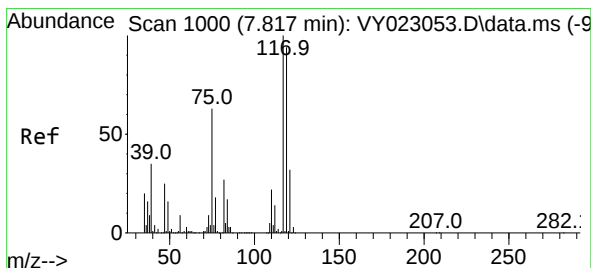
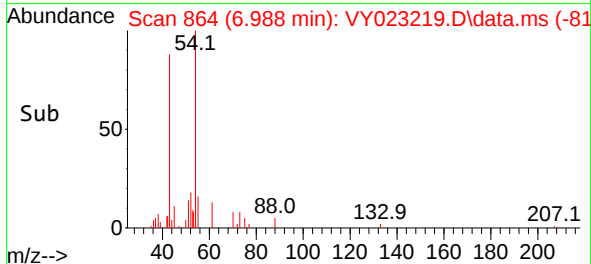
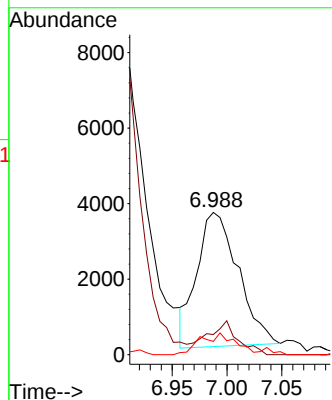
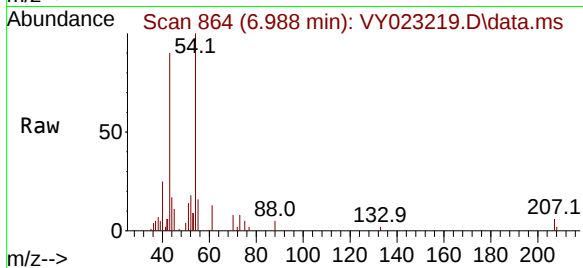




#37
Ethyl Acetate
Concen: 3.406 ug/l
RT: 6.988 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

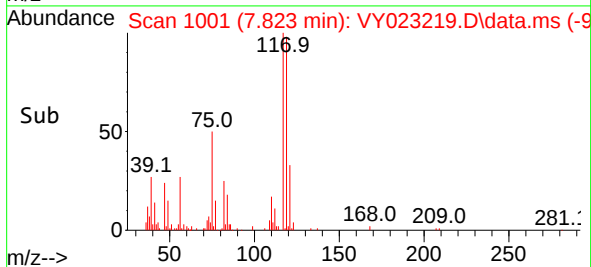
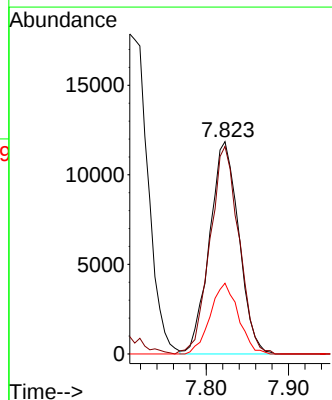
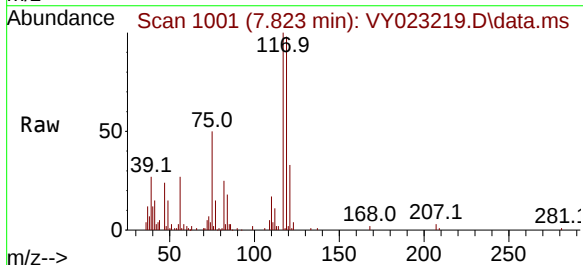
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

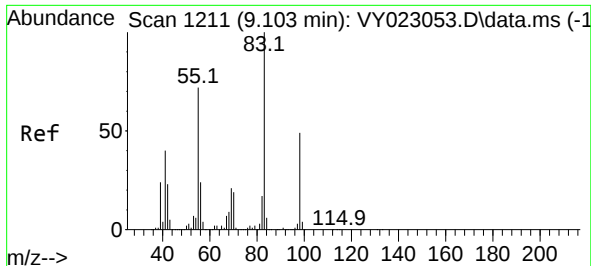
Tgt Ion: 43 Resp: 9325
Ion Ratio Lower Upper
43 100
61 18.9 11.9 17.9#
70 14.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 4.145 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion: 117 Resp: 29336
Ion Ratio Lower Upper
117 100
119 97.8 75.6 113.4
121 33.3 25.8 38.8

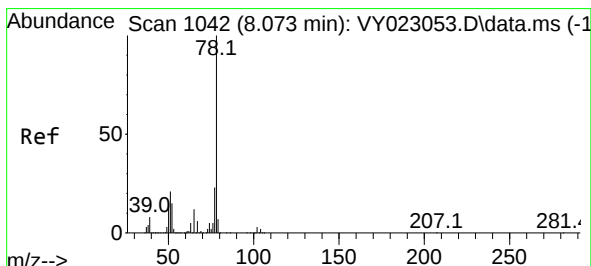
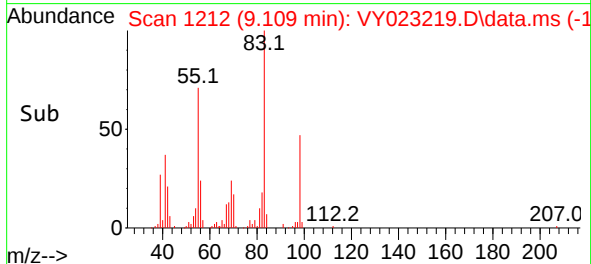
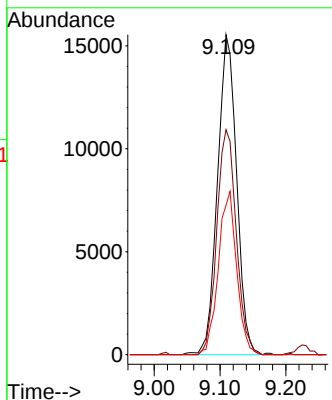
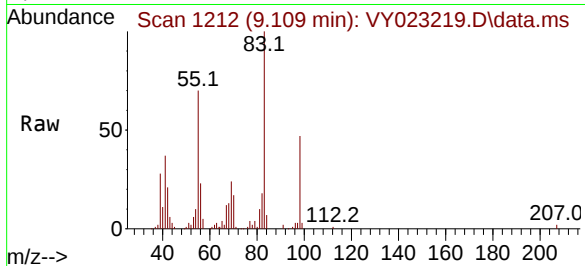




#39
Methylcyclohexane
Concen: 3.670 ug/l
RT: 9.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

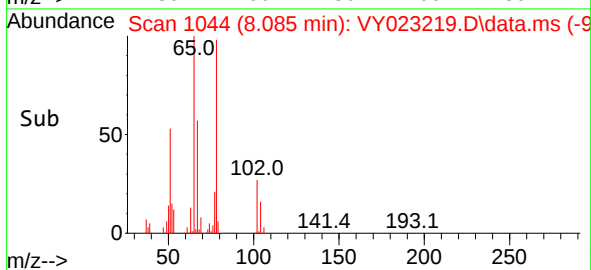
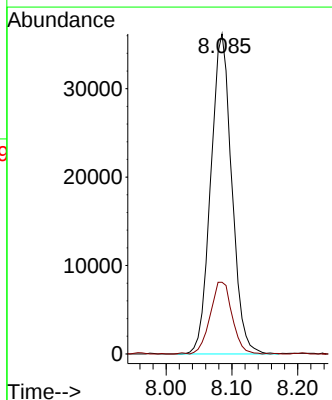
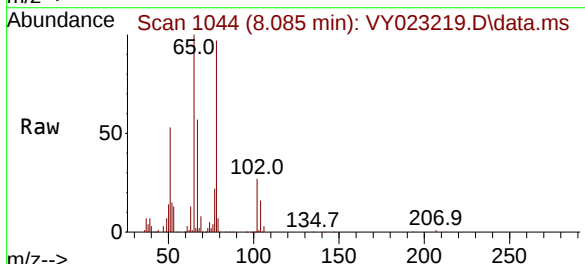
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

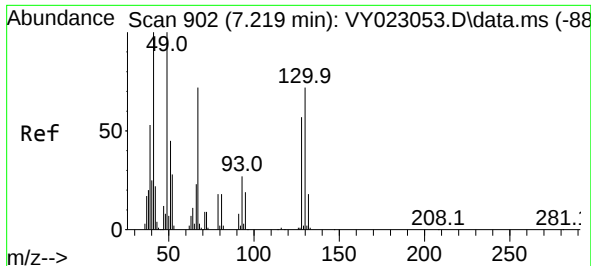
Tgt Ion: 83 Resp: 31497
Ion Ratio Lower Upper
83 100
55 70.3 57.6 86.4
98 46.7 39.2 58.8



#40
Benzene
Concen: 4.003 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.012 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion: 78 Resp: 80403
Ion Ratio Lower Upper
78 100
77 22.3 18.6 28.0

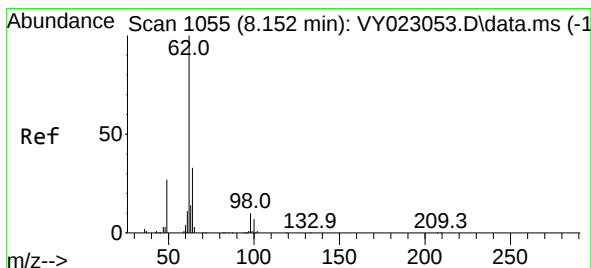
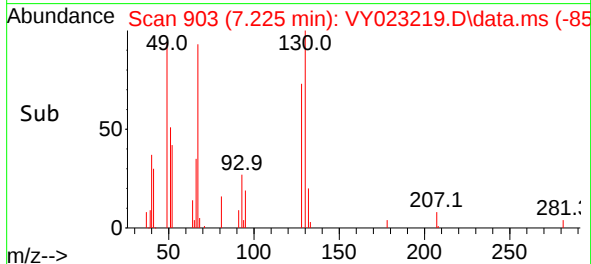
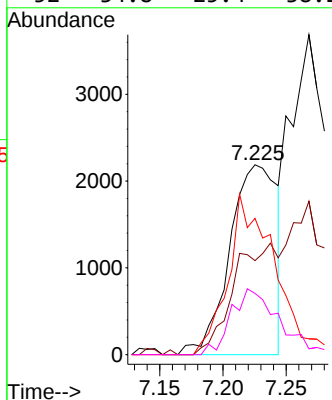
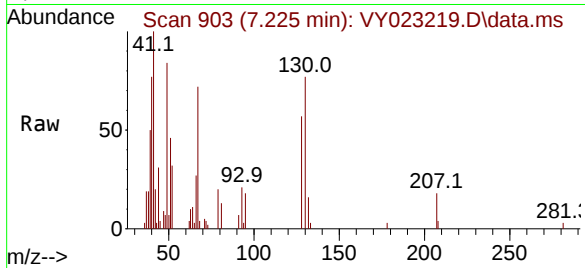




#41
Methacrylonitrile
Concen: 3.605 ug/l
RT: 7.225 min Scan# 902
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

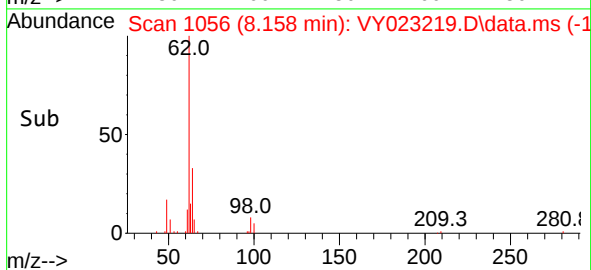
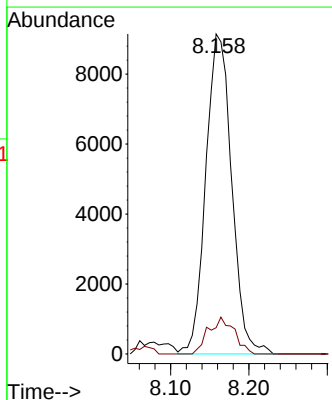
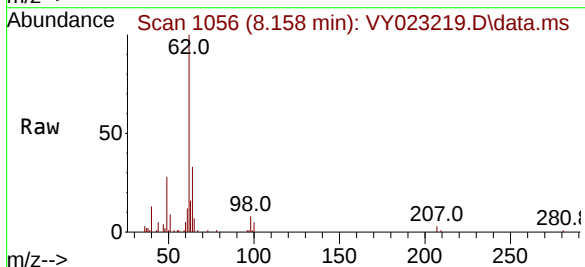
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:	41	Resp:	5696
Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.4	65.2
67	83.5	63.6	95.4
52	34.8	25.4	38.2



#42
1,2-Dichloroethane
Concen: 4.021 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion:	62	Resp:	21006
Ion	Ratio	Lower	Upper
62	100		
98	11.4	0.0	20.6

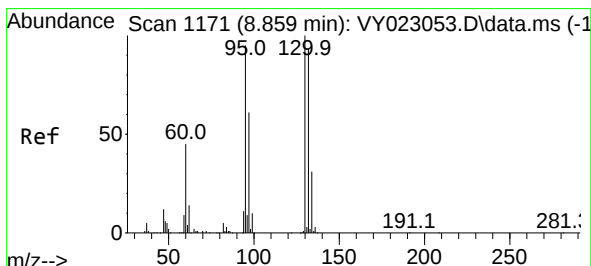
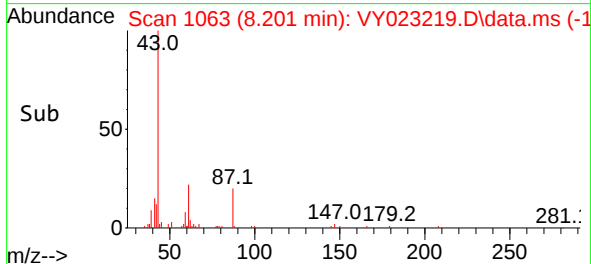
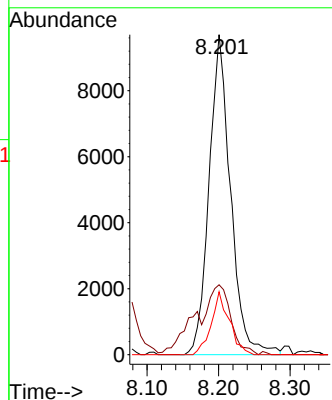
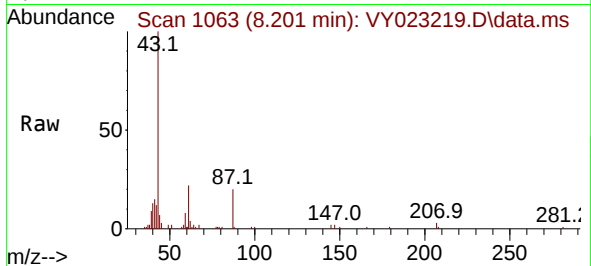




#43
Isopropyl Acetate
Concen: 3.655 ug/l
RT: 8.201 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

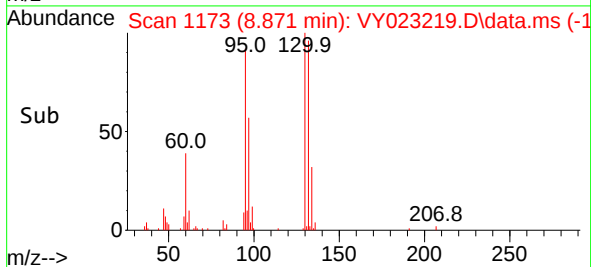
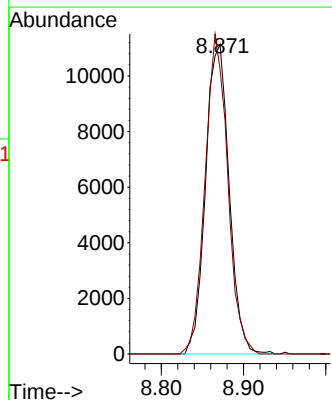
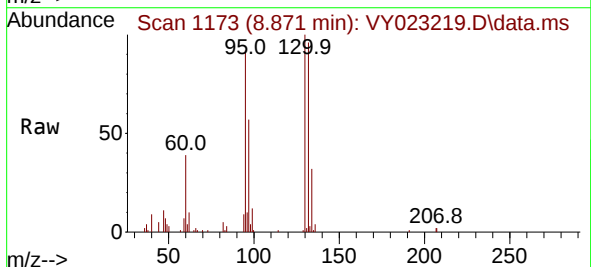
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 43 Resp: 20223
Ion Ratio Lower Upper
43 100
61 23.1 16.4 24.6
87 16.6 11.8 17.6



#44
Trichloroethene
Concen: 4.281 ug/l
RT: 8.871 min Scan# 1173
Delta R.T. 0.012 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion: 130 Resp: 22223
Ion Ratio Lower Upper
130 100
95 92.0 0.0 190.2





#45

1,2-Dichloropropane

Concen: 3.913 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

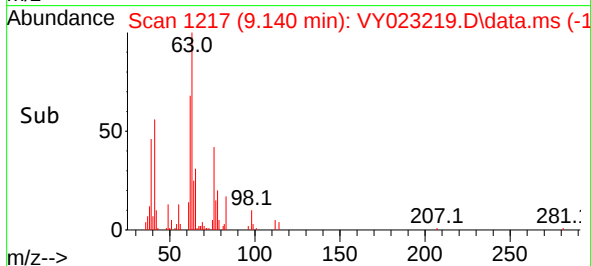
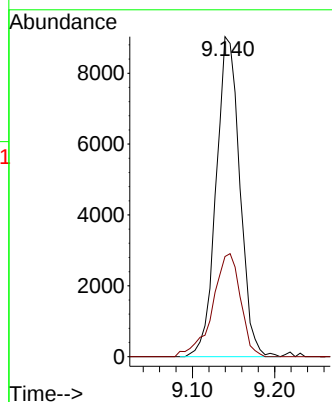
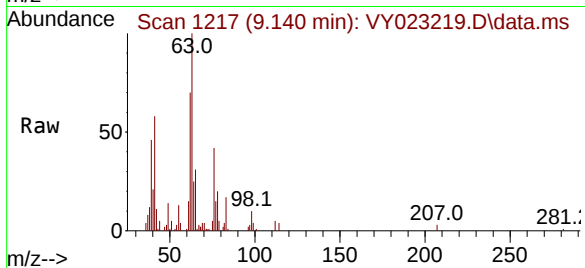
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 63 Resp: 18086

Ion Ratio Lower Upper

63 100

65 31.3 25.3 37.9



#46

Dibromomethane

Concen: 4.332 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

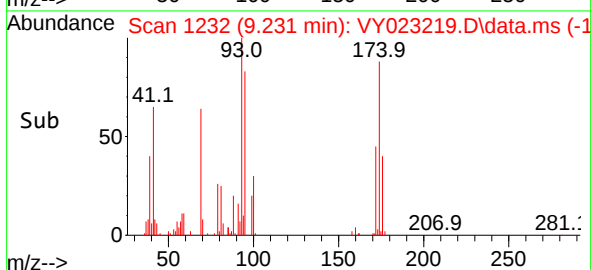
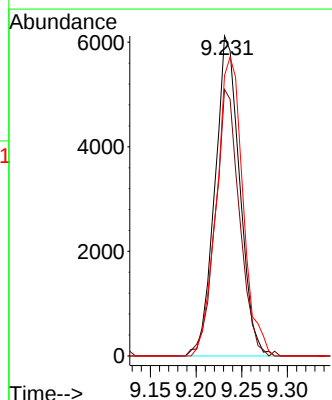
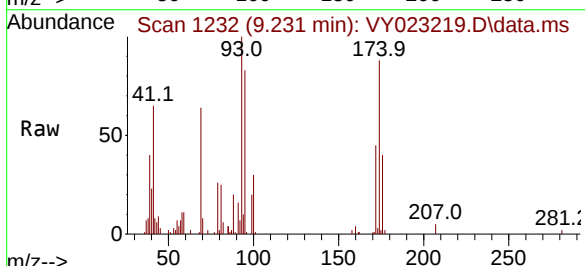
Tgt Ion: 93 Resp: 11491

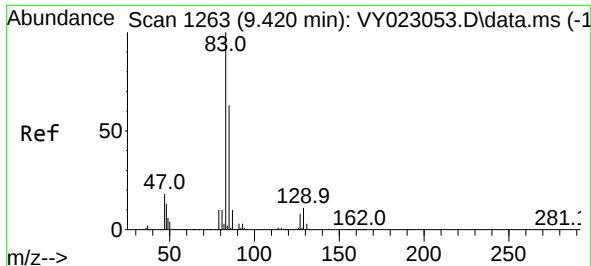
Ion Ratio Lower Upper

93 100

95 82.1 66.5 99.7

174 99.6 81.8 122.8

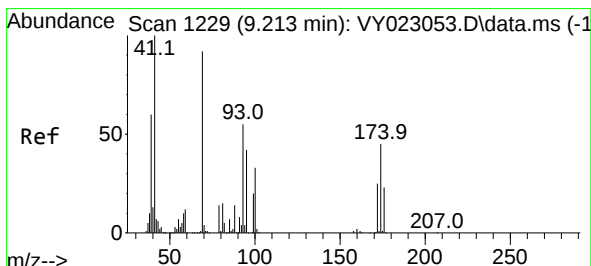
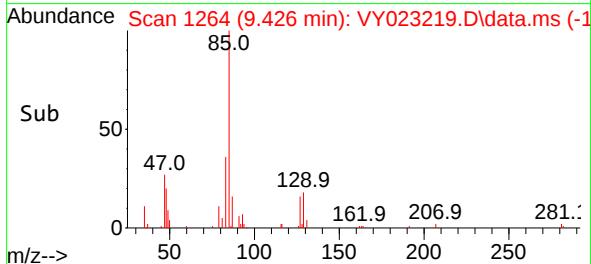
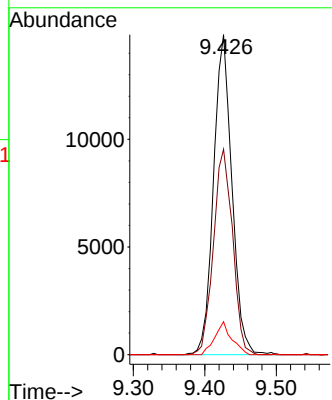
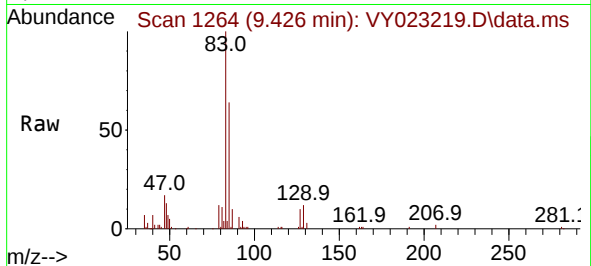




#47
Bromodichloromethane
Concen: 3.887 ug/l
RT: 9.426 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

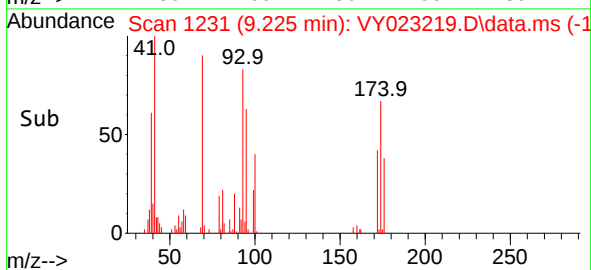
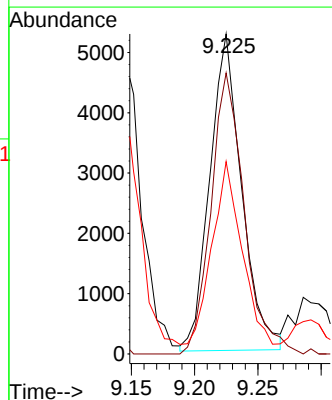
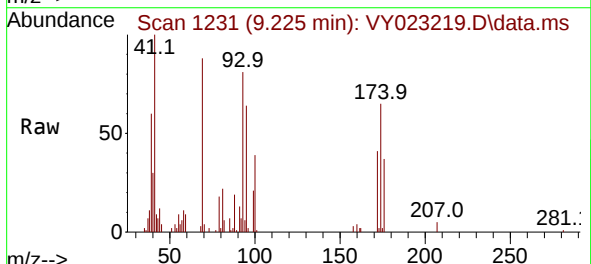
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 83 Resp: 26528
Ion Ratio Lower Upper
83 100
85 64.2 50.2 75.4
127 10.3 6.6 10.0#



#48
Methyl methacrylate
Concen: 3.477 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.012 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion: 41 Resp: 9206
Ion Ratio Lower Upper
41 100
69 92.4 73.2 109.8
39 58.8 47.0 70.4





#49

1,4-Dioxane

Concen: 82.952 ug/l

RT: 9.231 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023219.D

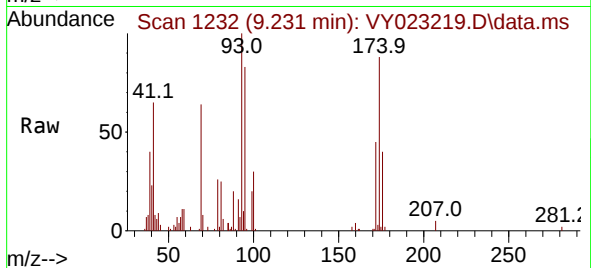
Acq: 28 Aug 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



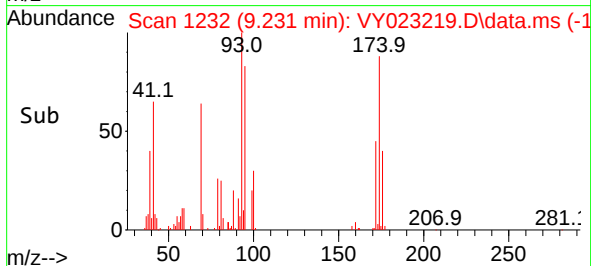
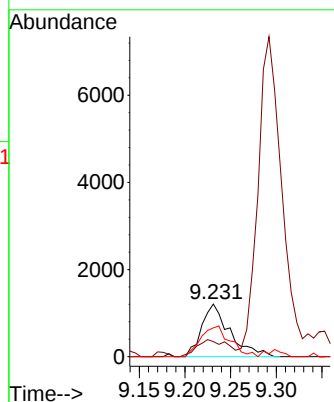
Tgt Ion: 88 Resp: 2580

Ion Ratio Lower Upper

88 100

43 34.8 24.3 36.5

58 60.1 55.4 83.0



#50

Toluene-d8

Concen: 50.966 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023219.D

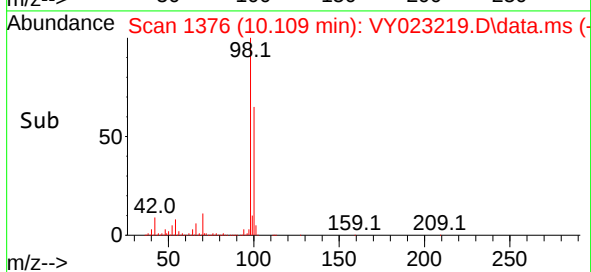
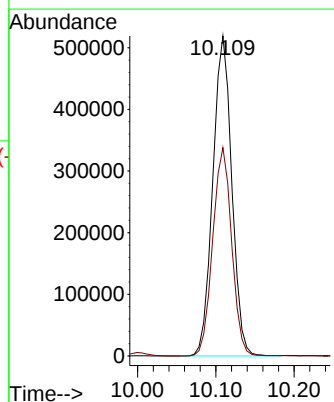
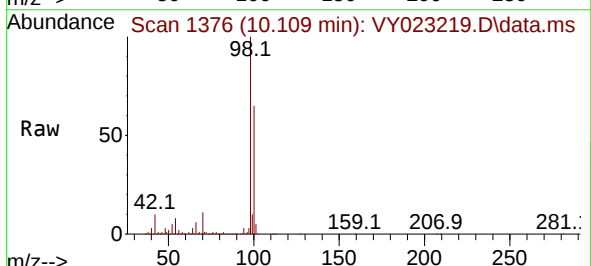
Acq: 28 Aug 2025 12:22

Tgt Ion: 98 Resp: 873068

Ion Ratio Lower Upper

98 100

100 65.0 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 17.576 ug/l

RT: 9.999 min Scan# 1357

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

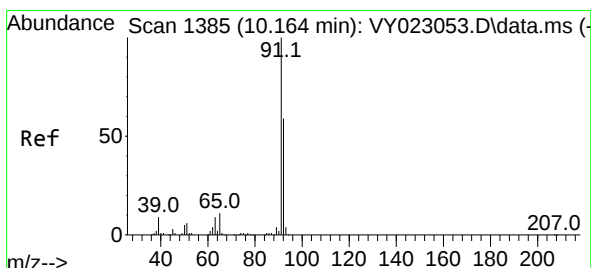
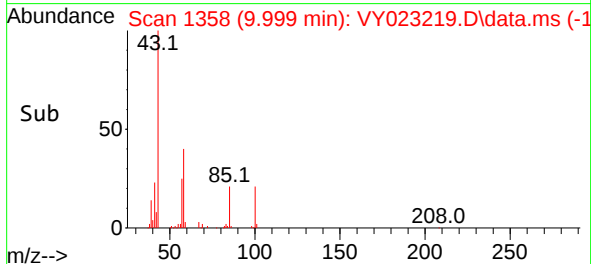
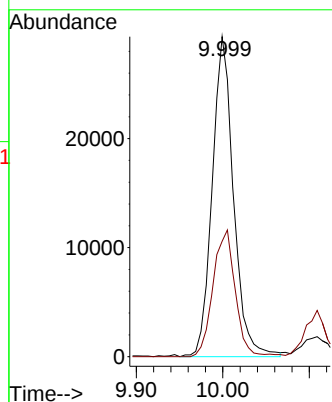
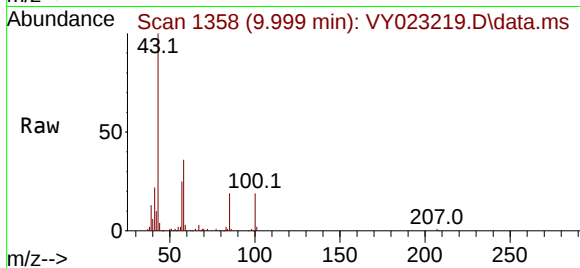
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 43 Resp: 50163

Ion Ratio Lower Upper

43 100

58 41.5 33.5 50.3



#52

Toluene

Concen: 3.902 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.006 min

Lab File: VY023219.D

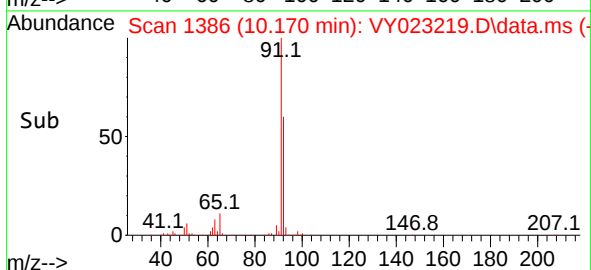
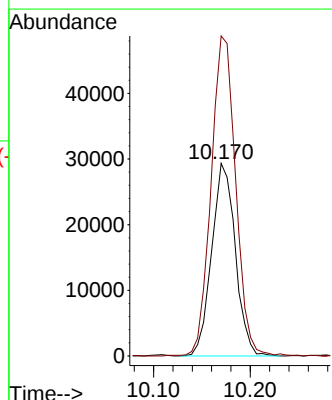
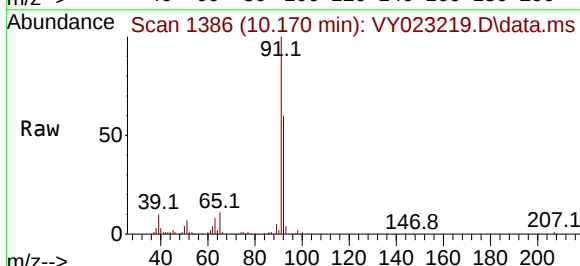
Acq: 28 Aug 2025 12:22

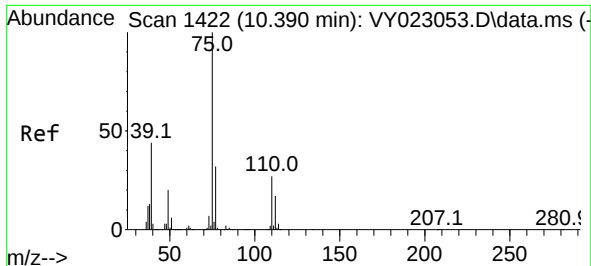
Tgt Ion: 92 Resp: 49772

Ion Ratio Lower Upper

92 100

91 173.1 136.4 204.6

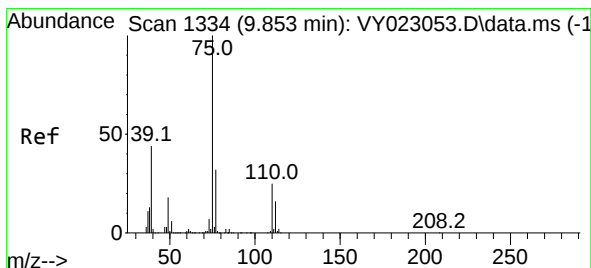
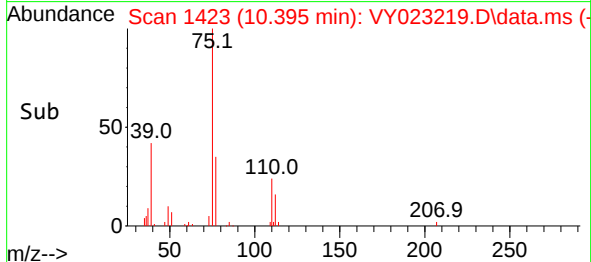
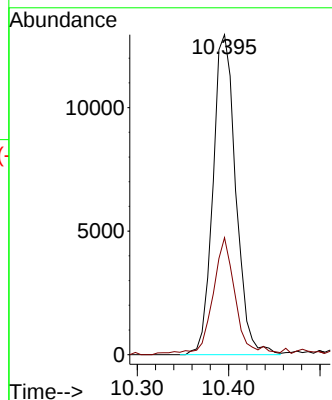
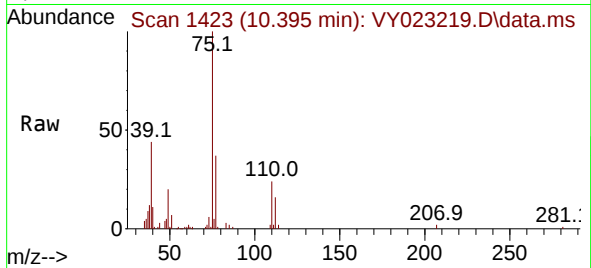




#53
 t-1,3-Dichloropropene
 Concen: 3.636 ug/l
 RT: 10.395 min Scan# 1422
 Delta R.T. 0.006 min
 Lab File: VY023219.D
 Acq: 28 Aug 2025 12:22

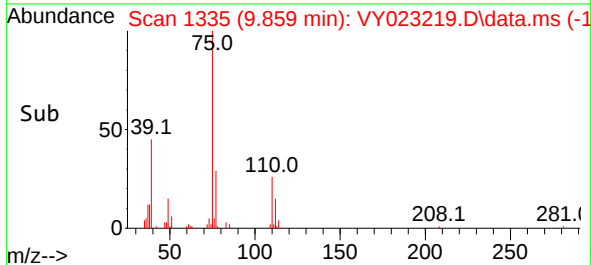
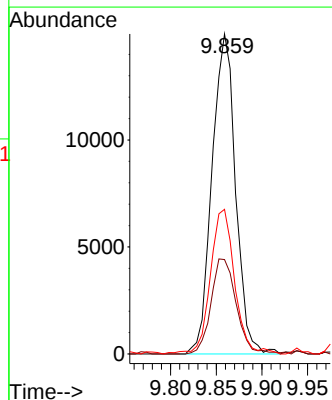
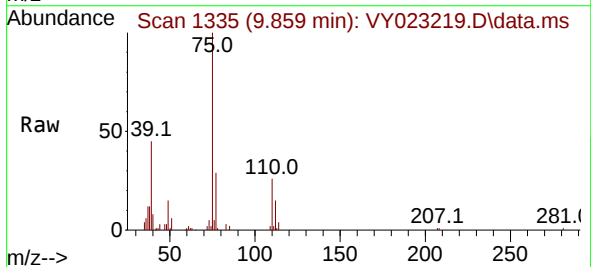
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

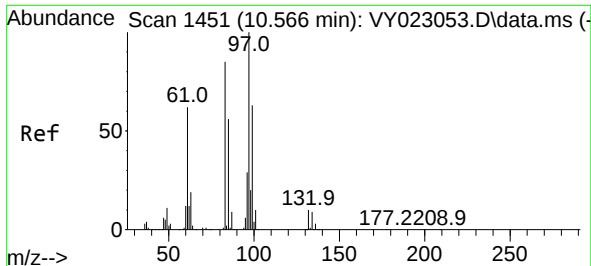
Tgt Ion: 75 Resp: 22473
 Ion Ratio Lower Upper
 75 100
 77 35.9 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 3.667 ug/l
 RT: 9.859 min Scan# 1335
 Delta R.T. 0.006 min
 Lab File: VY023219.D
 Acq: 28 Aug 2025 12:22

Tgt Ion: 75 Resp: 26801
 Ion Ratio Lower Upper
 75 100
 77 29.5 25.4 38.0
 39 45.2 35.6 53.4

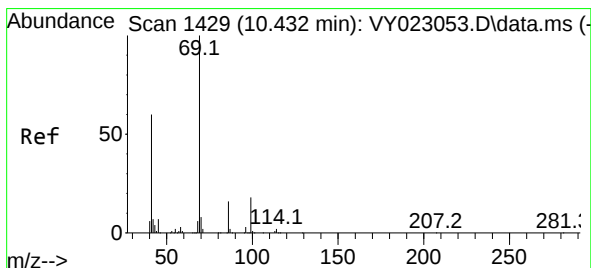
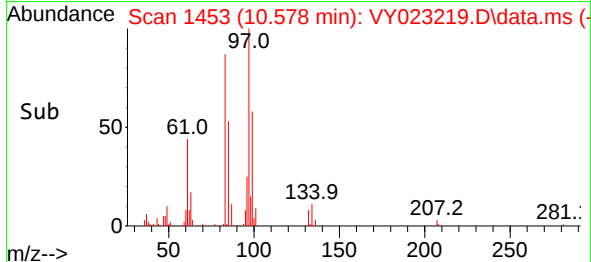
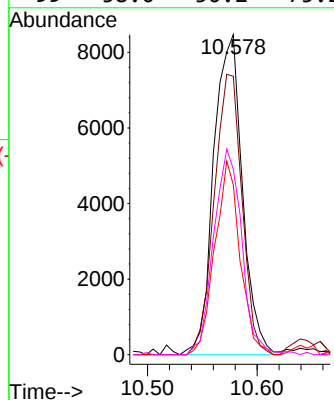
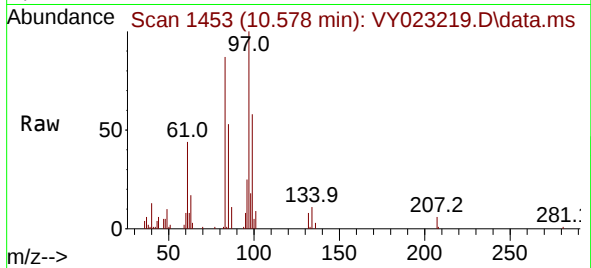




#55
1,1,2-Trichloroethane
Concen: 4.339 ug/l
RT: 10.578 min Scan# 1453
Delta R.T. 0.012 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

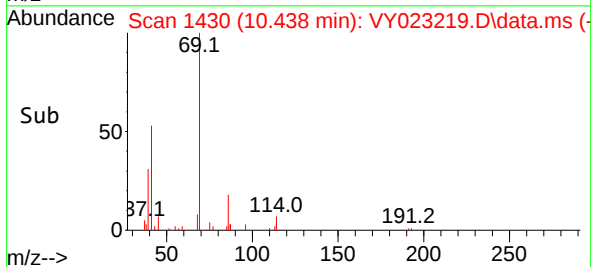
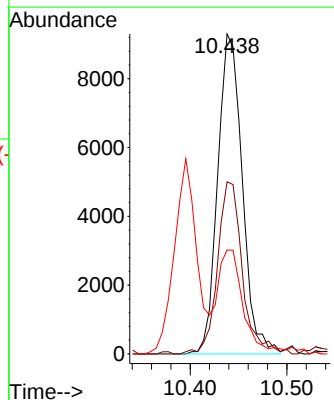
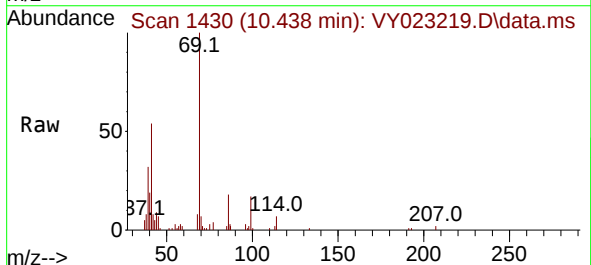
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

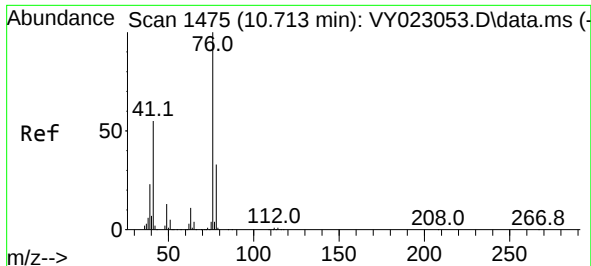
Tgt Ion: 97	Resp: 15402
Ion Ratio	Lower Upper
97 100	
83 87.0	67.7 101.5
85 53.0	44.5 66.7
99 58.0	50.2 75.2



#56
Ethyl methacrylate
Concen: 3.610 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion: 69	Resp: 16395
Ion Ratio	Lower Upper
69 100	
41 54.5	48.6 72.8
39 31.3	27.0 40.4





#57

1,3-Dichloropropane

Concen: 3.971 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

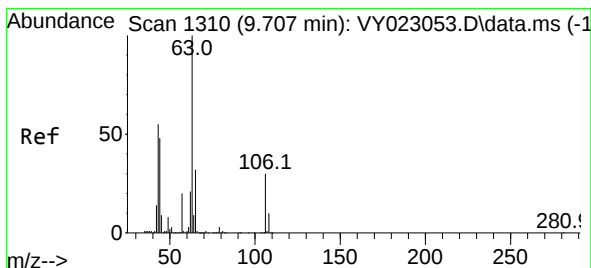
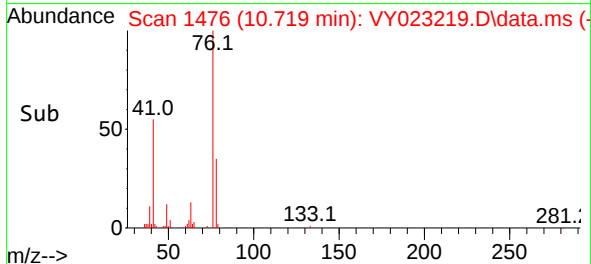
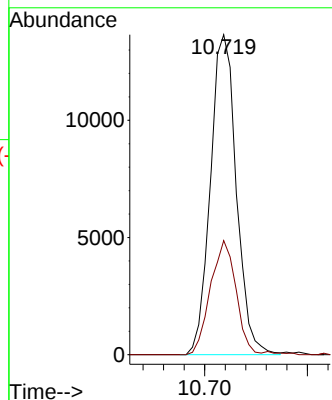
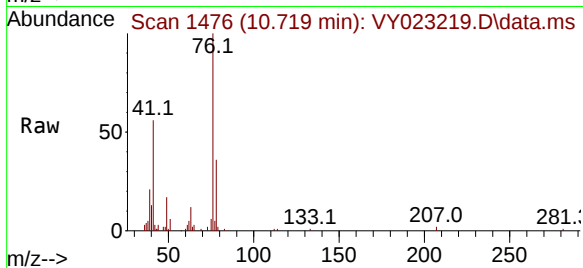
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 76 Resp: 23901

Ion Ratio Lower Upper

76 100

78 35.1 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 15.354 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY023219.D

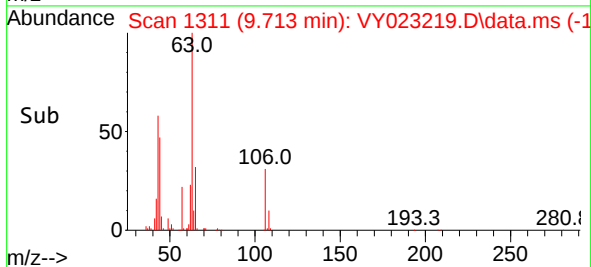
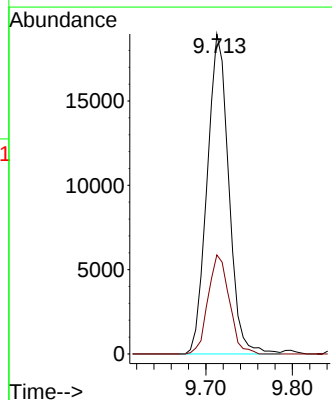
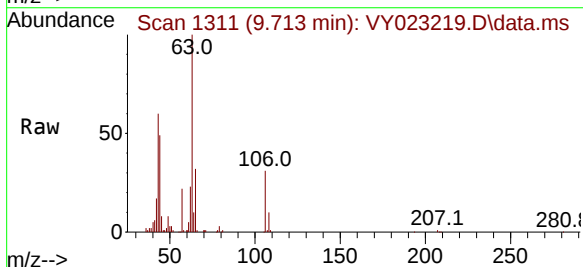
Acq: 28 Aug 2025 12:22

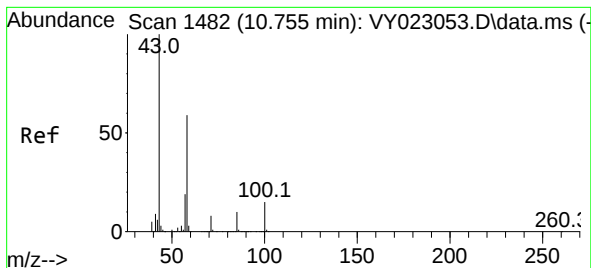
Tgt Ion: 63 Resp: 32895

Ion Ratio Lower Upper

63 100

106 30.3 23.2 34.8

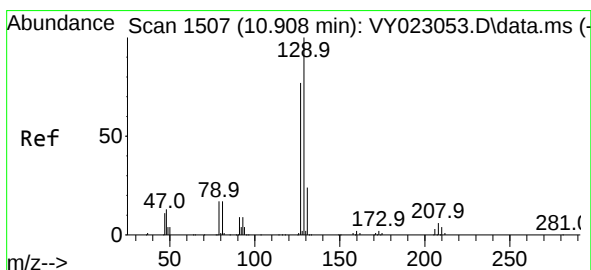
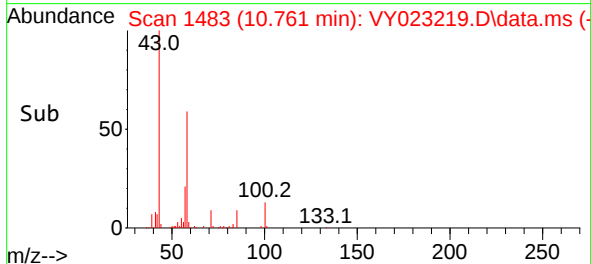
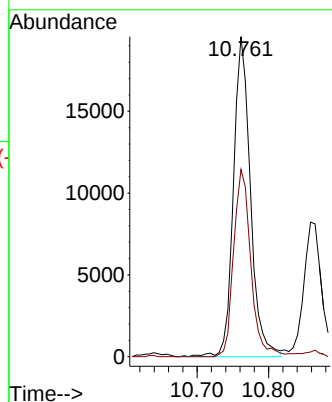
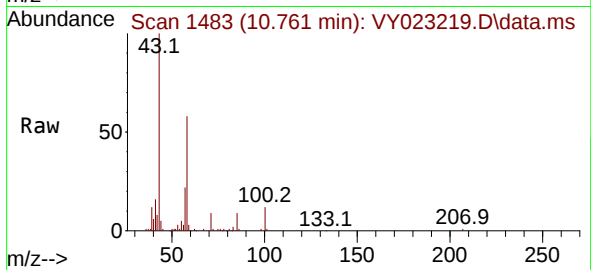




#59
2-Hexanone
Concen: 16.614 ug/l
RT: 10.761 min Scan# 1482
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

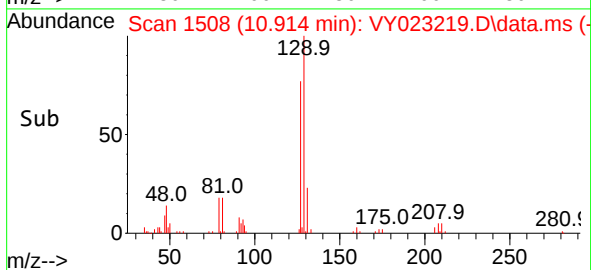
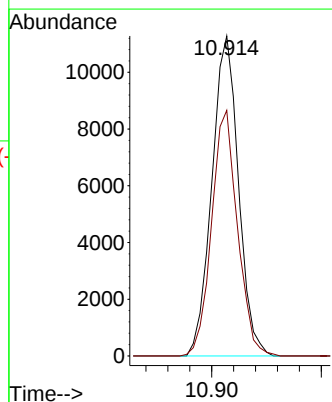
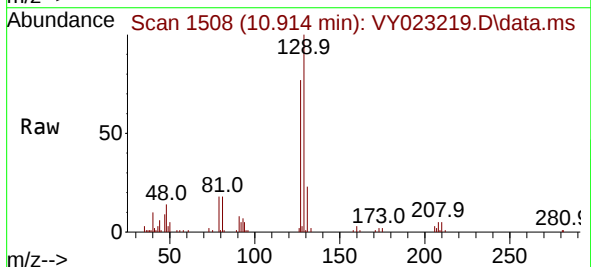
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

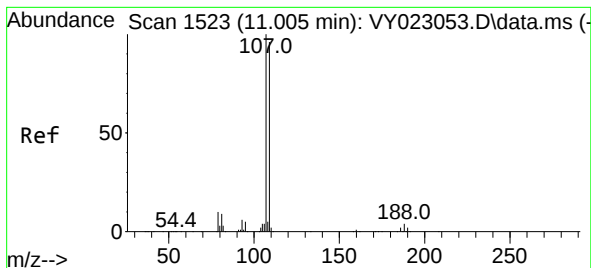
Tgt Ion: 43 Resp: 32288
Ion Ratio Lower Upper
43 100
58 59.4 29.5 88.5



#60
Dibromochloromethane
Concen: 4.061 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion: 129 Resp: 19020
Ion Ratio Lower Upper
129 100
127 74.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 4.063 ug/l

RT: 11.017 min Scan# 1525

Delta R.T. 0.012 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

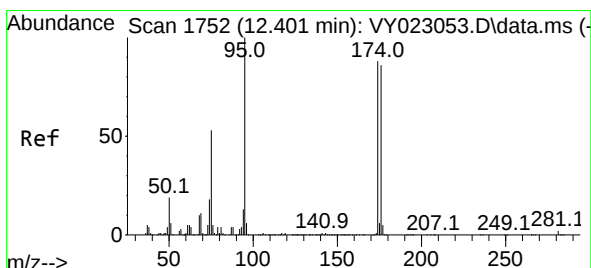
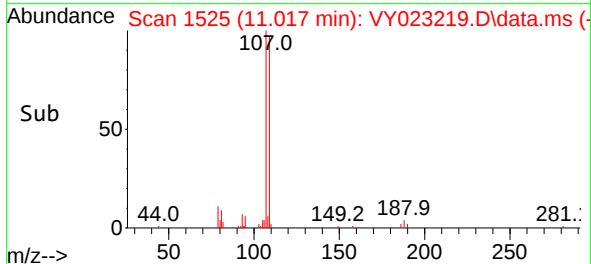
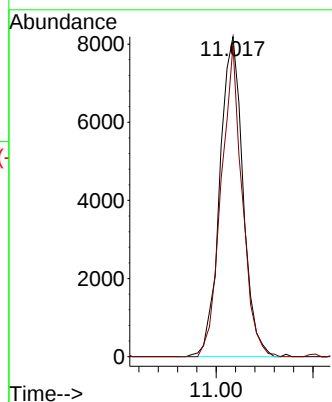
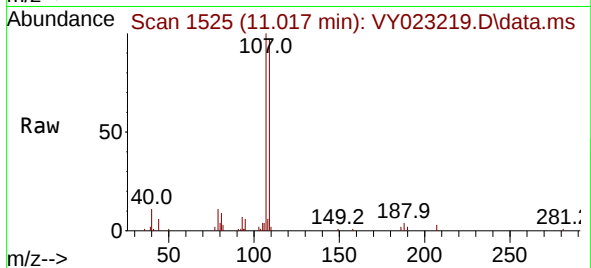
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:107 Resp: 13554

Ion Ratio Lower Upper

107 100

109 88.3 75.6 113.4



#62

4-Bromofluorobenzene

Concen: 47.830 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

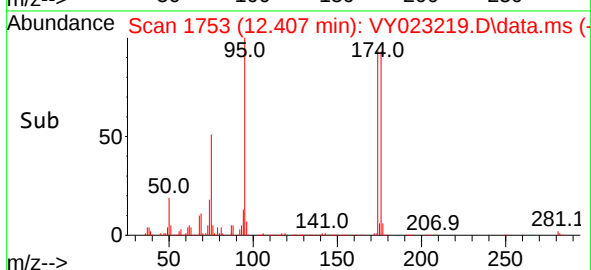
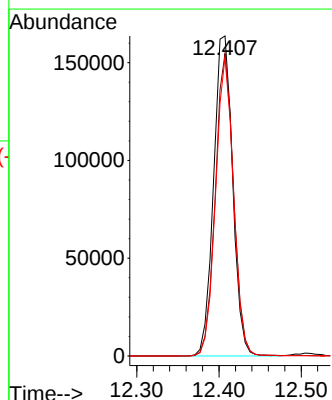
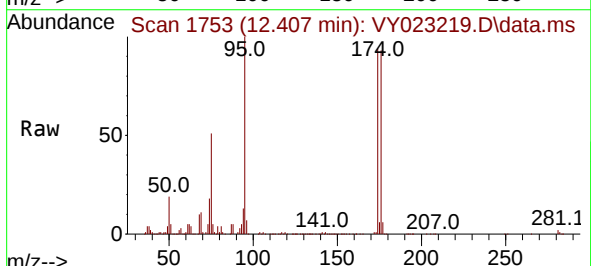
Tgt Ion: 95 Resp: 263500

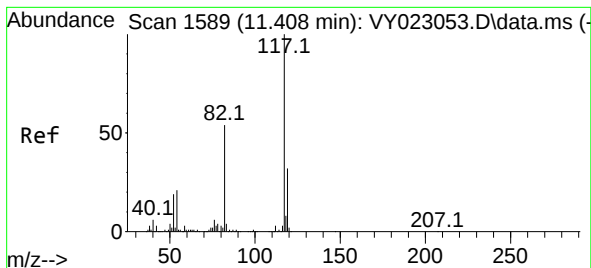
Ion Ratio Lower Upper

95 100

174 90.3 0.0 171.6

176 87.5 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

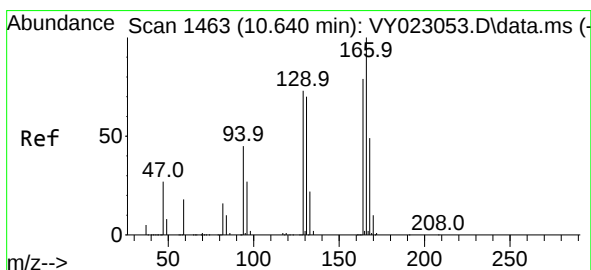
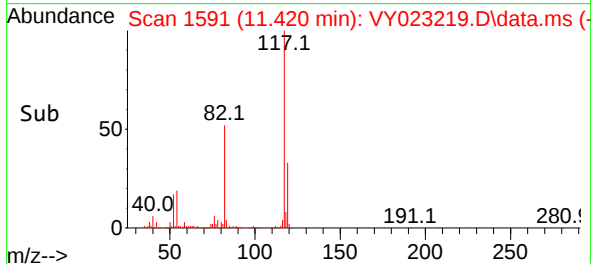
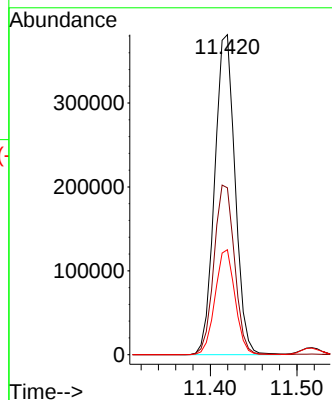
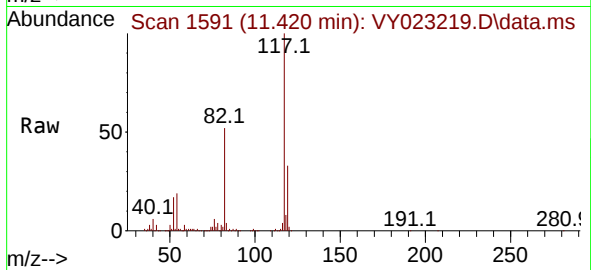
Tgt Ion:117 Resp: 623495

Ion Ratio Lower Upper

117 100

82 52.1 43.4 65.0

119 32.8 25.6 38.4



#64

Tetrachloroethene

Concen: 4.913 ug/l

RT: 10.645 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

Tgt Ion:164 Resp: 27350

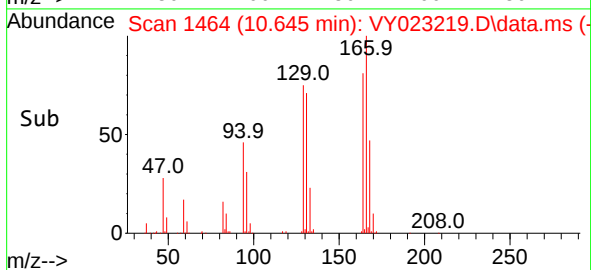
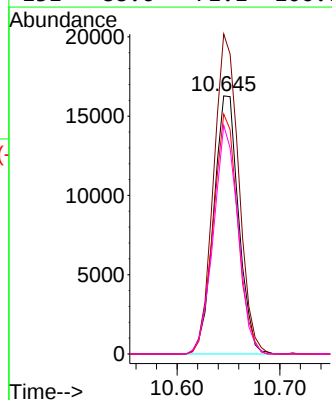
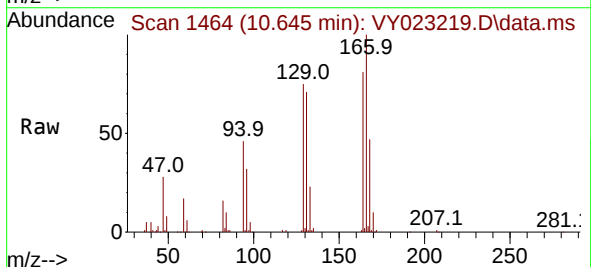
Ion Ratio Lower Upper

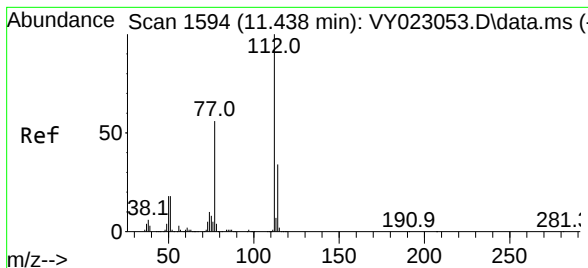
164 100

166 124.0 101.1 151.7

129 92.9 74.0 111.0

131 88.6 71.1 106.7





#65

Chlorobenzene

Concen: 4.090 ug/l

RT: 11.444 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

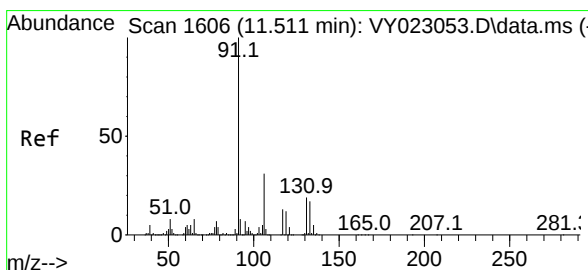
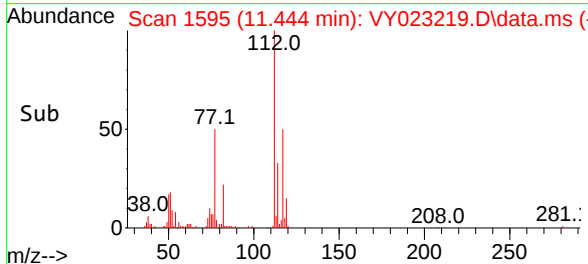
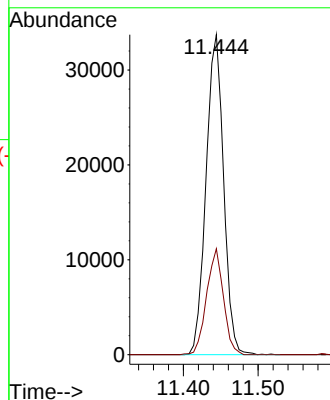
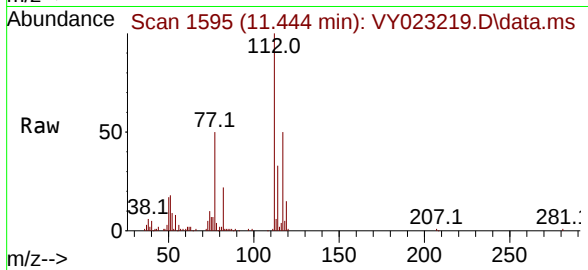
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:112 Resp: 55005

Ion Ratio Lower Upper

112 100

114 33.1 27.0 40.4



#66

1,1,1,2-Tetrachloroethane

Concen: 4.300 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

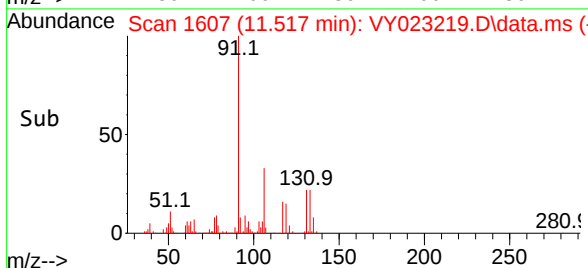
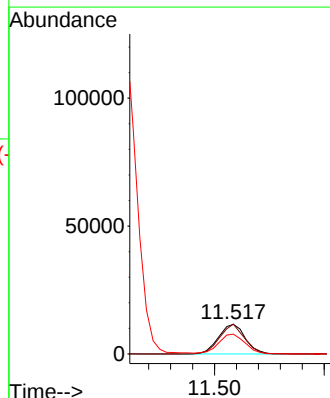
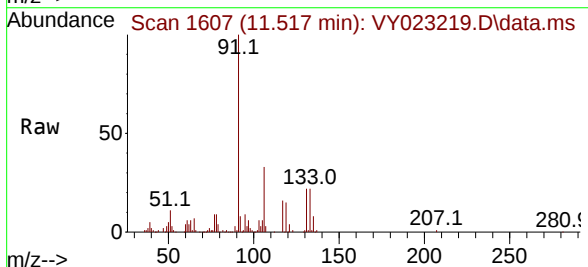
Tgt Ion:131 Resp: 19625

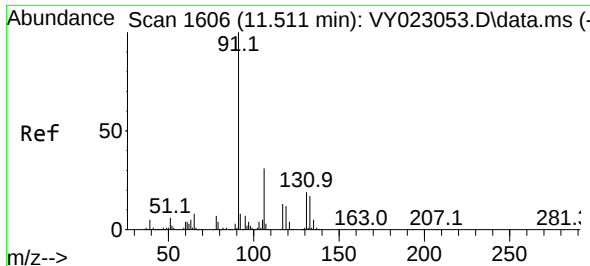
Ion Ratio Lower Upper

131 100

133 93.5 46.9 140.6

119 66.9 33.2 99.6





#67

Ethyl Benzene

Concen: 3.669 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

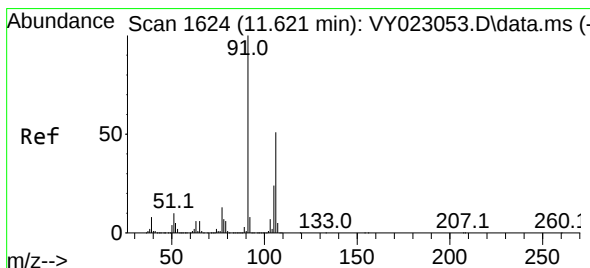
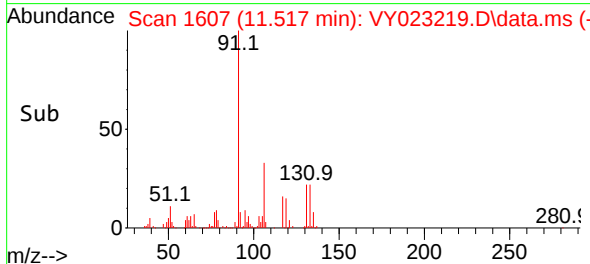
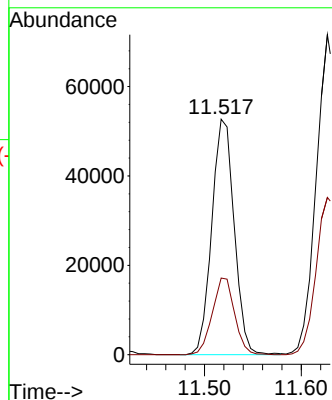
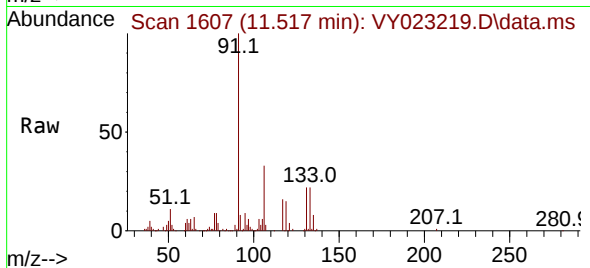
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 91 Resp: 84909

Ion Ratio Lower Upper

91 100

106 32.5 25.0 37.4



#68

m/p-Xylenes

Concen: 7.234 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.006 min

Lab File: VY023219.D

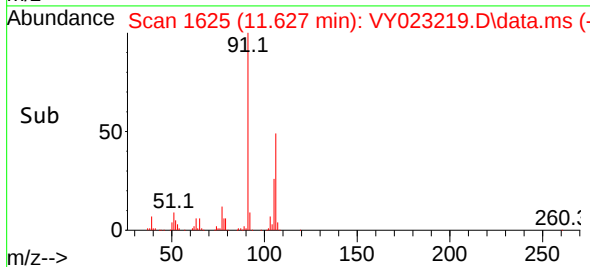
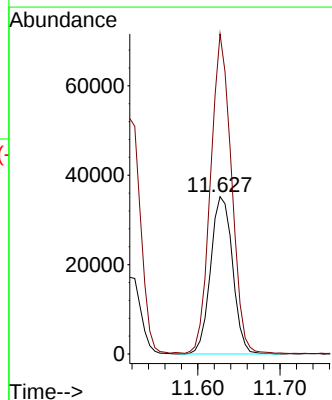
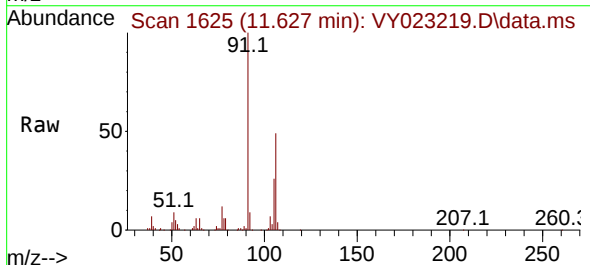
Acq: 28 Aug 2025 12:22

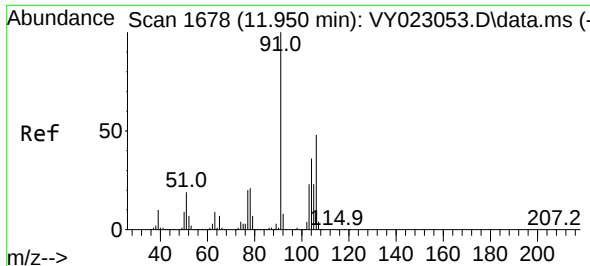
Tgt Ion:106 Resp: 65390

Ion Ratio Lower Upper

106 100

91 193.2 158.6 238.0

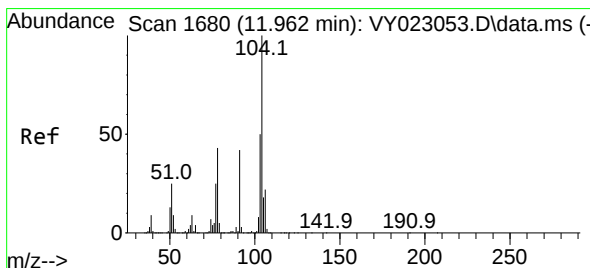
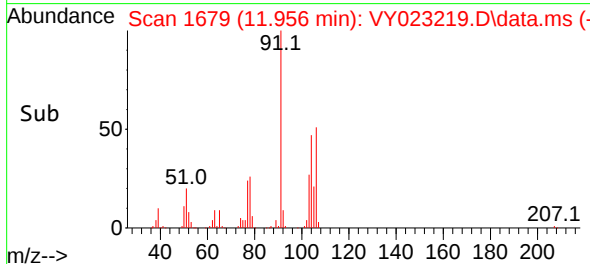
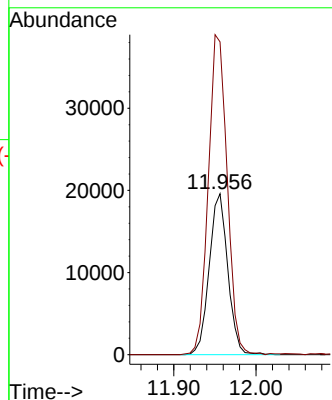
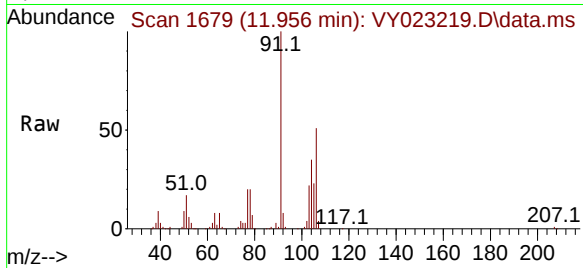




#69
o-Xylene
Concen: 3.633 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

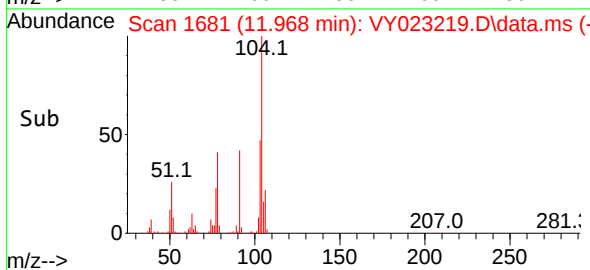
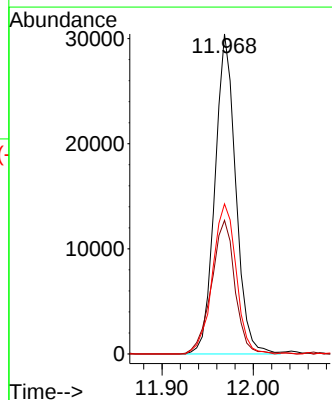
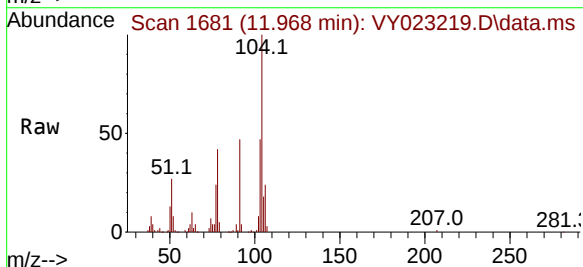
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

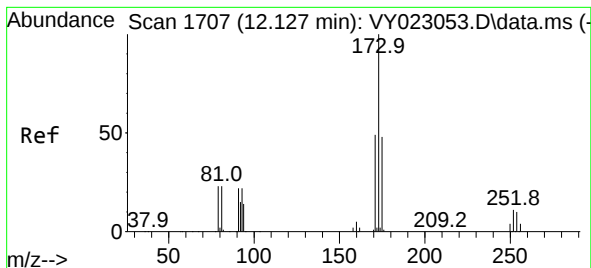
Tgt Ion:106 Resp: 30754
Ion Ratio Lower Upper
106 100
91 201.6 103.2 309.4



#70
Styrene
Concen: 3.480 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion:104 Resp: 48185
Ion Ratio Lower Upper
104 100
78 47.0 38.5 57.7
103 53.2 43.7 65.5





#71

Bromoform

Concen: 4.250 ug/l

RT: 12.133 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

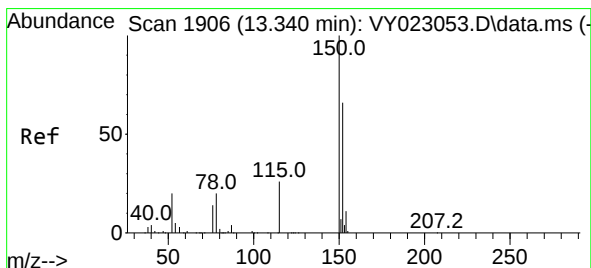
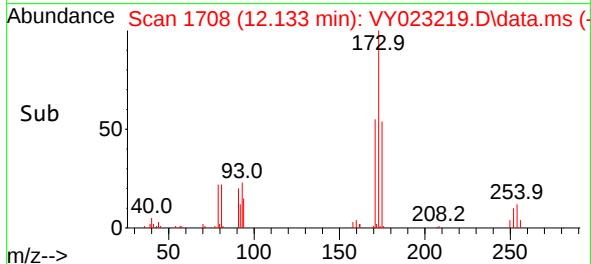
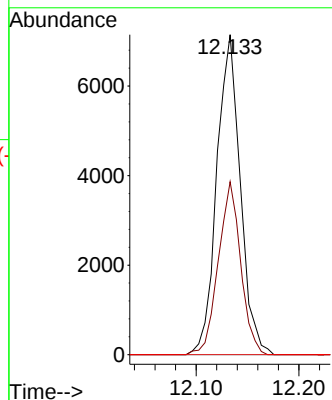
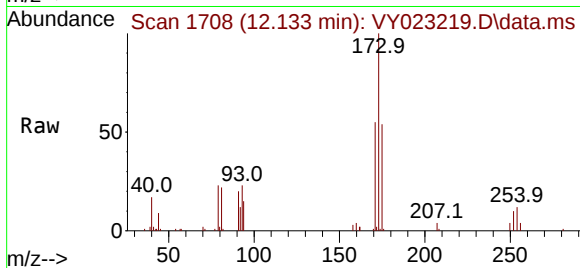
Tgt Ion:173 Resp: 11337

Ion Ratio Lower Upper

173 100

175 51.4 23.9 71.7

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

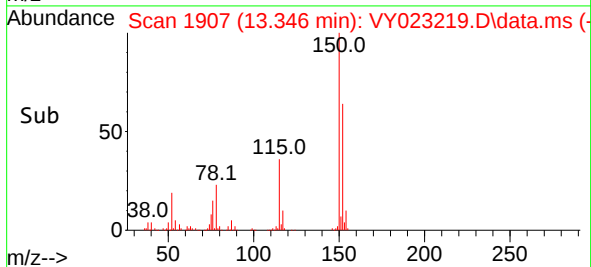
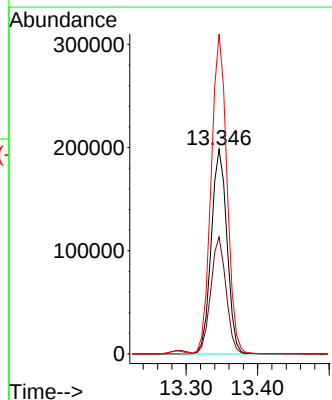
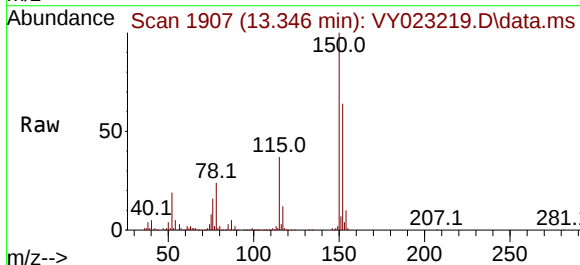
Tgt Ion:152 Resp: 302372

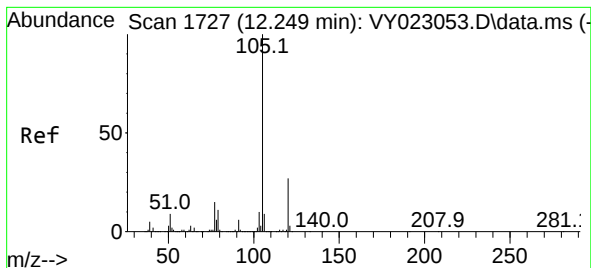
Ion Ratio Lower Upper

152 100

115 55.6 28.2 84.6

150 156.5 0.0 348.0





#73

Isopropylbenzene

Concen: 3.604 ug/l

RT: 12.255 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

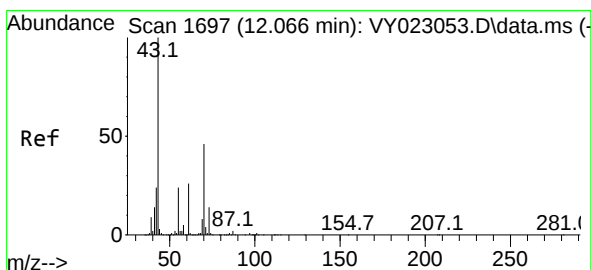
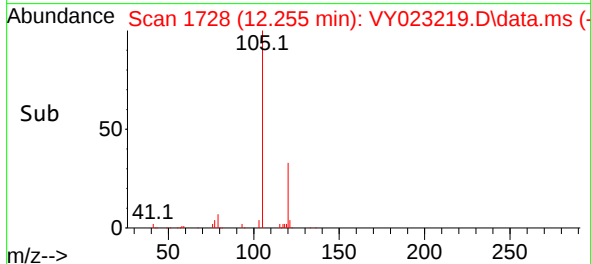
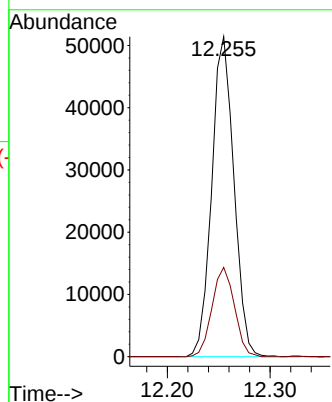
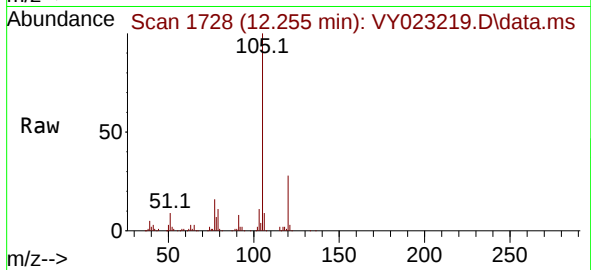
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:105 Resp: 76915

Ion Ratio Lower Upper

105 100

120 28.1 13.4 40.2



#74

N-ethyl acetate

Concen: 3.017 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

Tgt Ion: 43 Resp: 13654

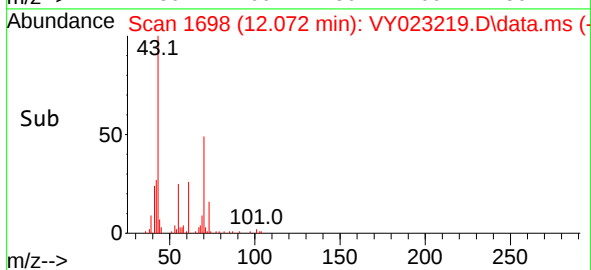
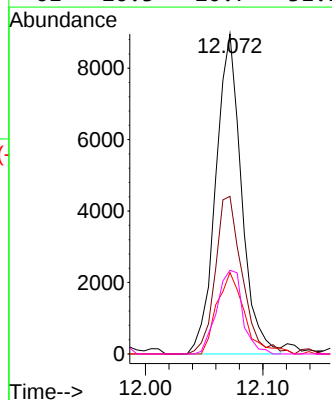
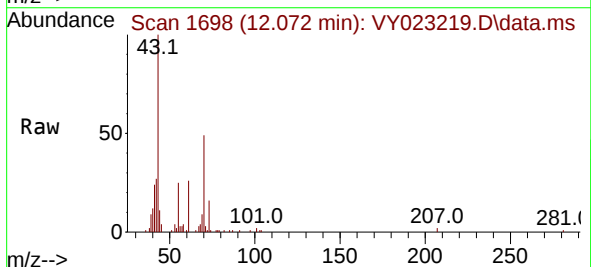
Ion Ratio Lower Upper

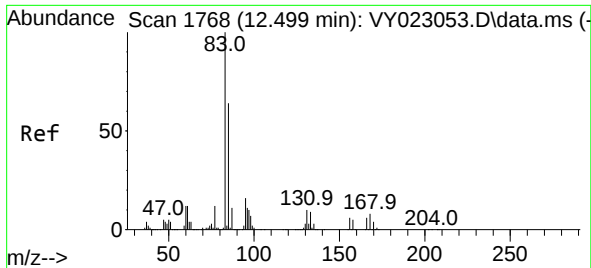
43 100

70 51.3 37.5 56.3

55 27.3 20.7 31.1

61 26.3 20.7 31.1

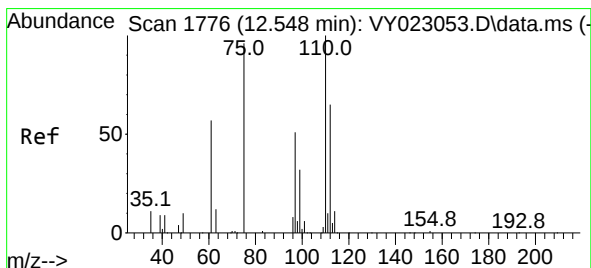
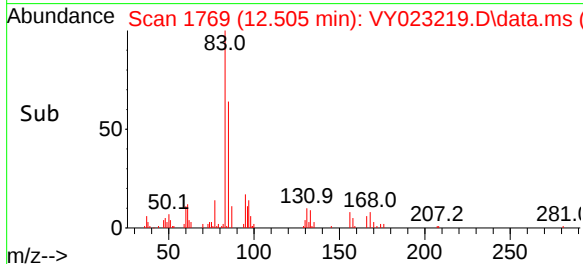
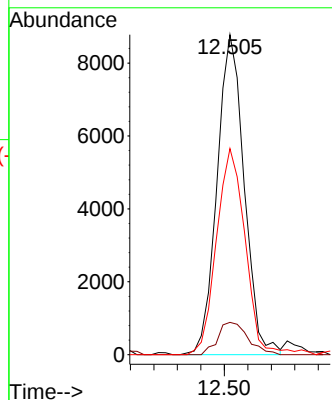
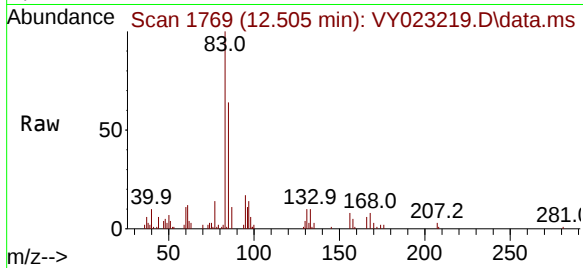




#75
1,1,2,2-Tetrachloroethane
Concen: 3.870 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

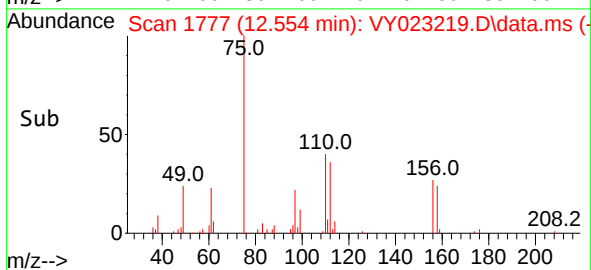
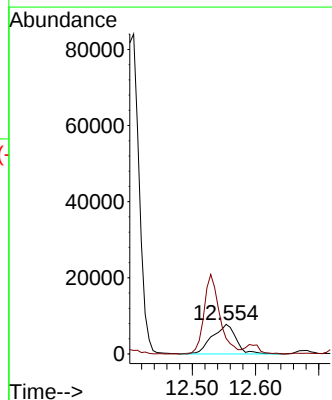
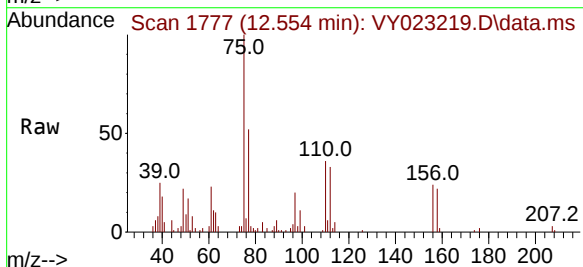
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

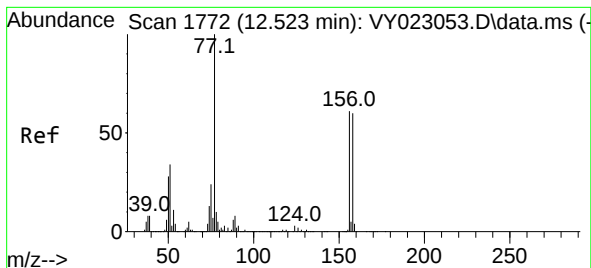
Tgt Ion: 83 Resp: 14103
Ion Ratio Lower Upper
83 100
131 11.2 5.1 15.3
85 68.3 31.8 95.3



#76
1,2,3-Trichloropropane
Concen: 6.946 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion: 75 Resp: 20271
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.215 ug/l

RT: 12.529 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

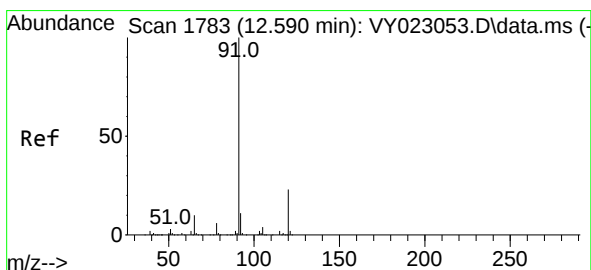
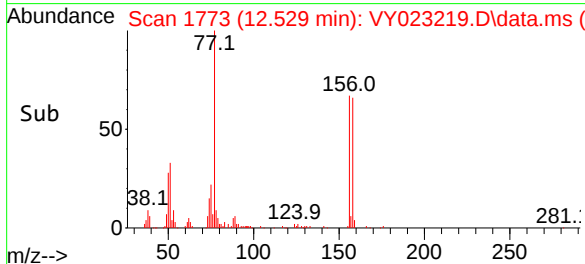
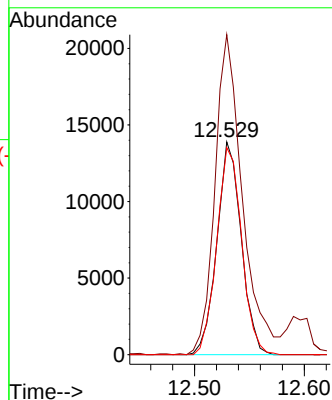
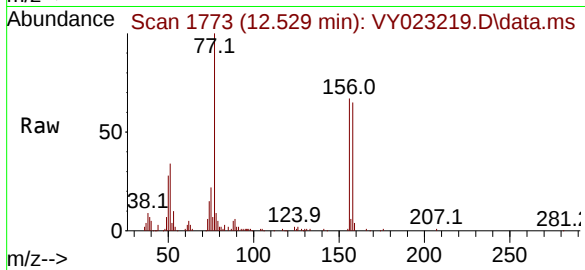
Tgt Ion:156 Resp: 21459

Ion Ratio Lower Upper

156 100

77 168.5 88.1 264.4

158 99.8 48.0 144.0



#78

n-propylbenzene

Concen: 3.778 ug/l

RT: 12.596 min Scan# 1784

Delta R.T. 0.006 min

Lab File: VY023219.D

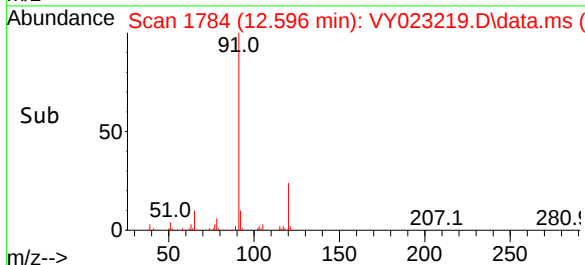
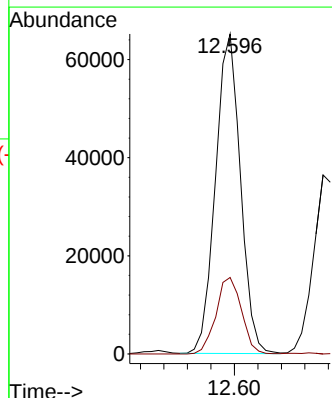
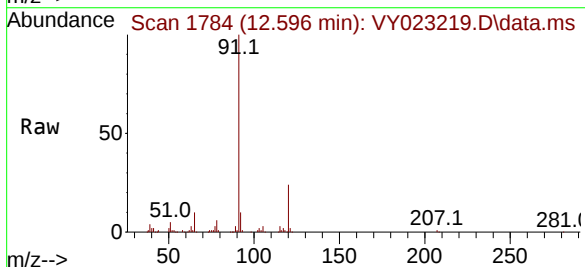
Acq: 28 Aug 2025 12:22

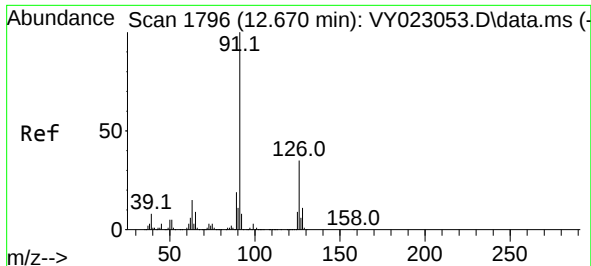
Tgt Ion: 91 Resp: 95987

Ion Ratio Lower Upper

91 100

120 24.4 11.5 34.5

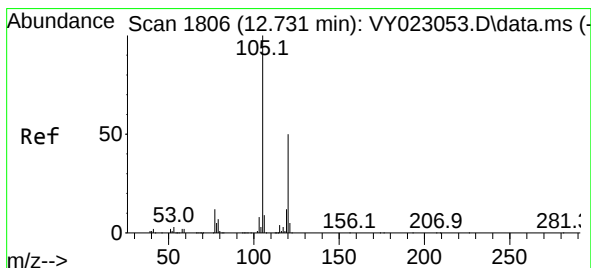
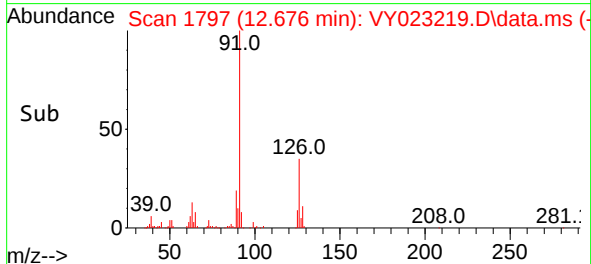
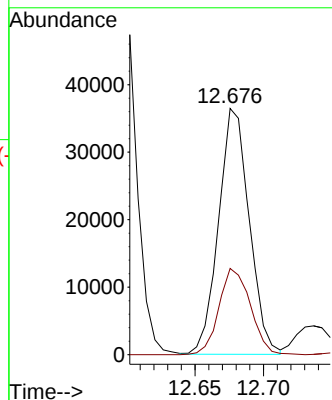
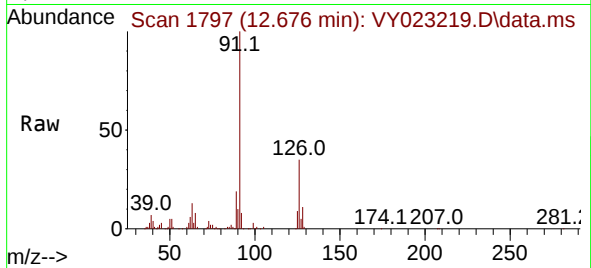




#79
2-Chlorotoluene
Concen: 3.900 ug/l
RT: 12.676 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

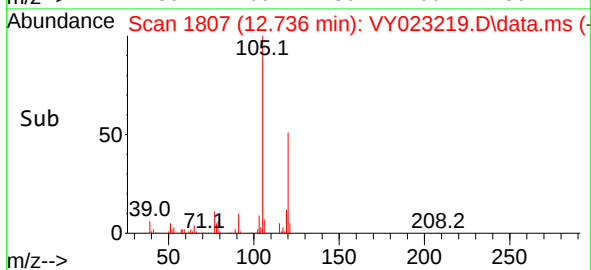
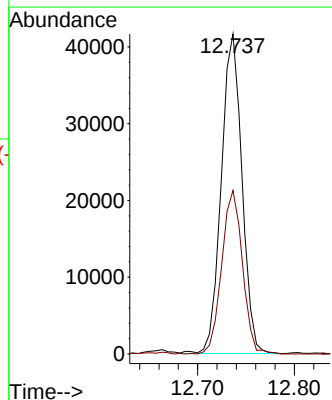
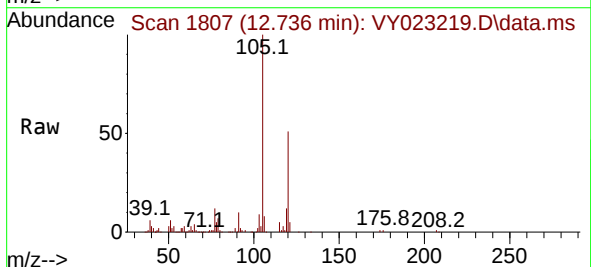
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

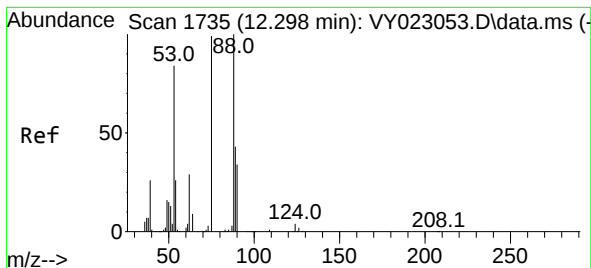
Tgt Ion: 91 Resp: 56780
Ion Ratio Lower Upper
91 100
126 35.9 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 3.578 ug/l
RT: 12.736 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion: 105 Resp: 61707
Ion Ratio Lower Upper
105 100
120 51.3 24.8 74.4

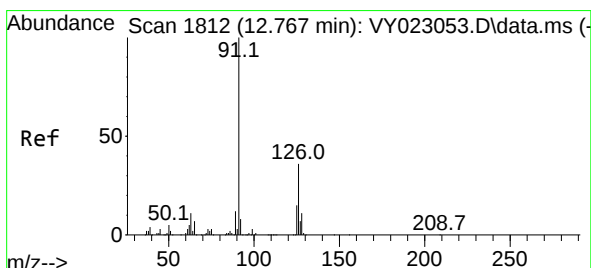
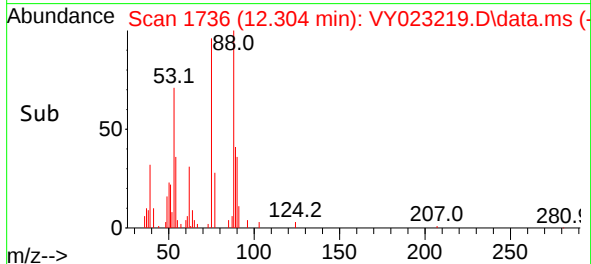
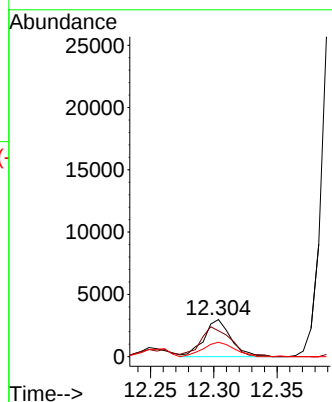
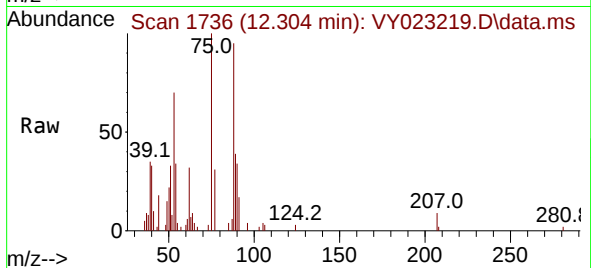




#81
trans-1,4-Dichloro-2-butene
Concen: 3.659 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

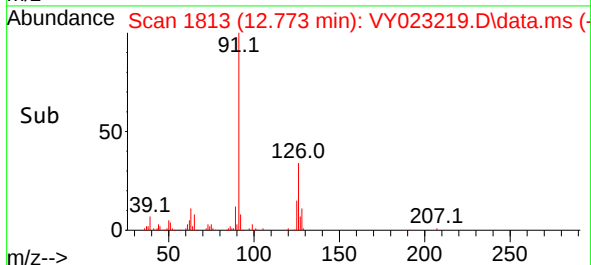
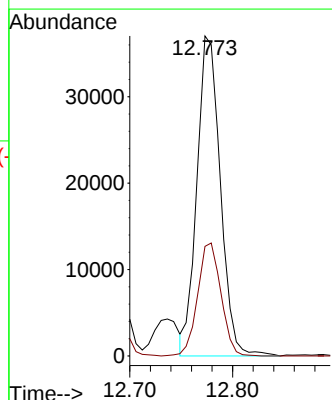
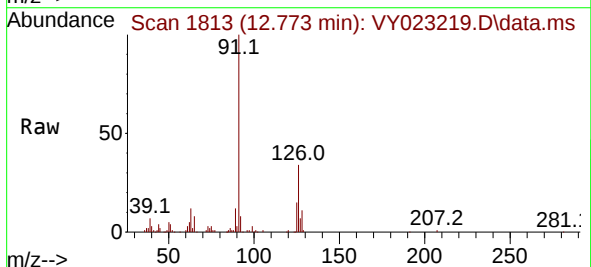
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 75 Resp: 4411
Ion Ratio Lower Upper
75 100
53 89.5 70.8 106.2
89 44.7 38.1 57.1



#82
4-Chlorotoluene
Concen: 3.898 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion: 91 Resp: 58865
Ion Ratio Lower Upper
91 100
126 35.1 17.3 52.0





#83

tert-Butylbenzene

Concen: 3.670 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

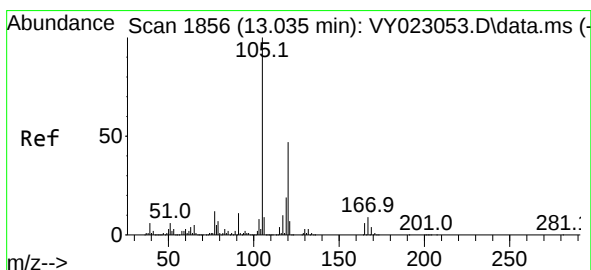
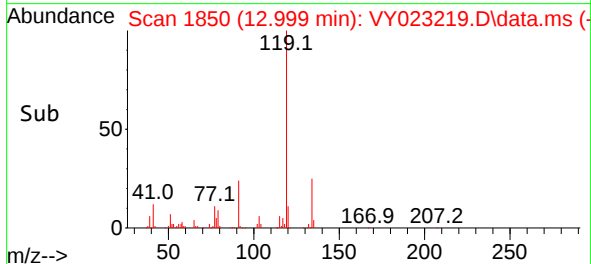
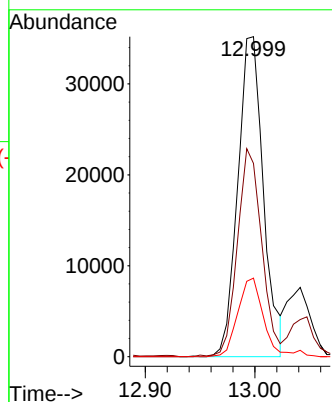
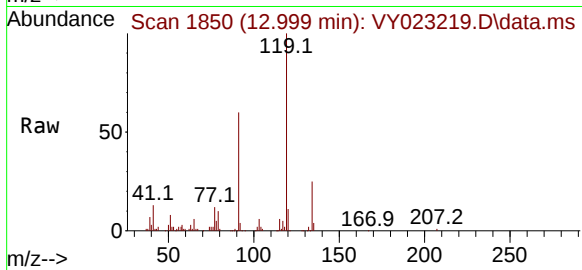
Tgt Ion:119 Resp: 57172

Ion Ratio Lower Upper

119 100

91 61.9 31.6 94.8

134 25.0 12.9 38.7



#84

1,2,4-Trimethylbenzene

Concen: 3.429 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. 0.006 min

Lab File: VY023219.D

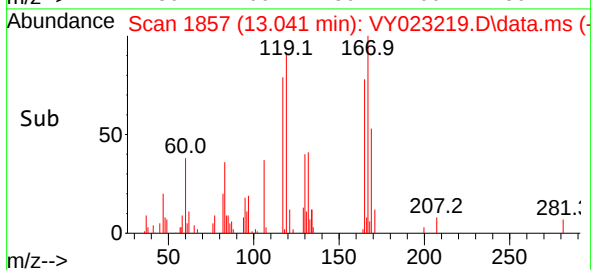
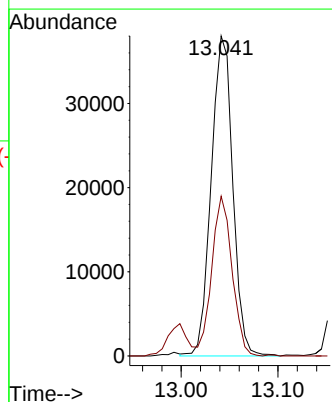
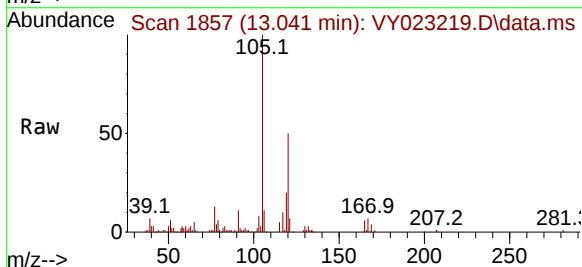
Acq: 28 Aug 2025 12:22

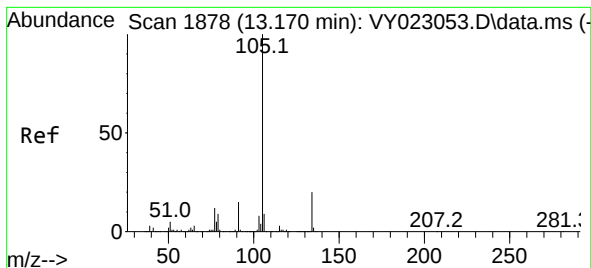
Tgt Ion:105 Resp: 58871

Ion Ratio Lower Upper

105 100

120 46.8 23.0 69.0





#85

sec-Butylbenzene

Concen: 3.708 ug/l

RT: 13.175 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

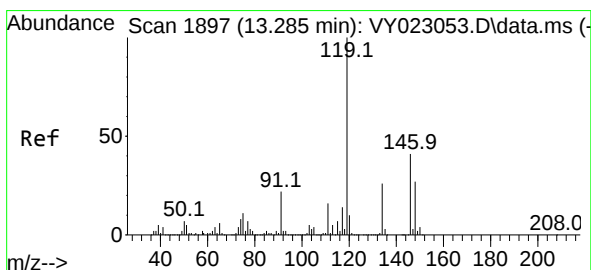
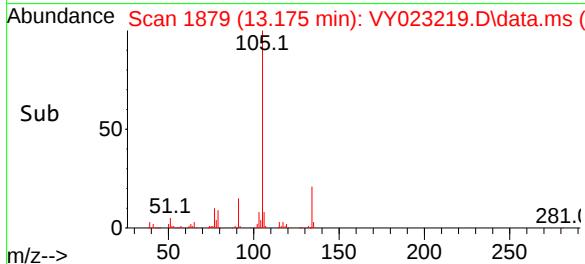
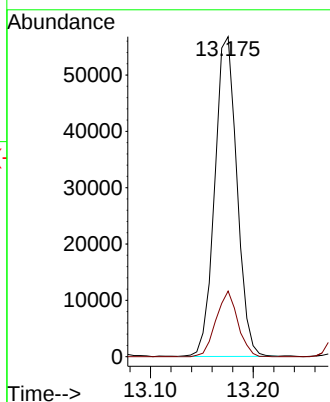
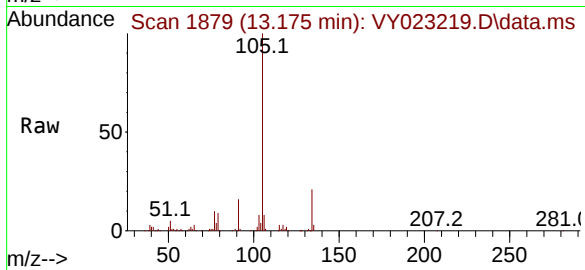
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:105 Resp: 84846

Ion Ratio Lower Upper

105 100

134 20.2 10.2 30.4



#86

p-Isopropyltoluene

Concen: 3.524 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

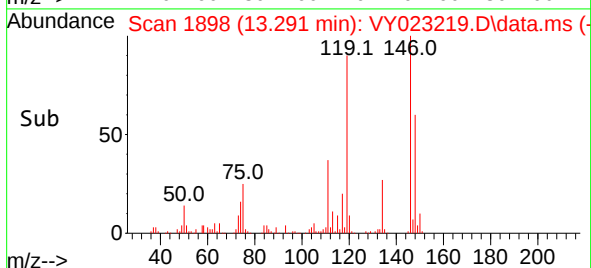
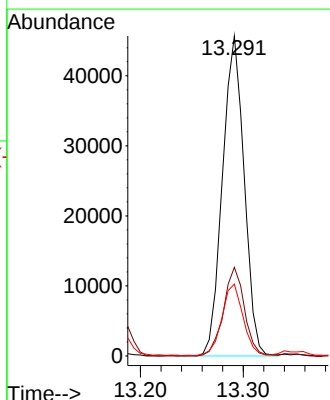
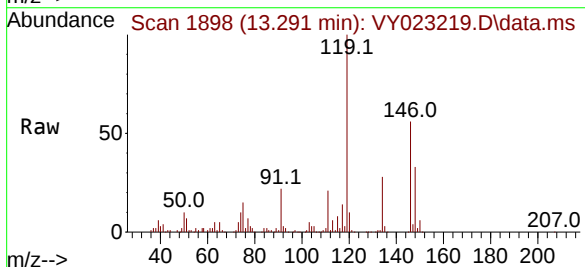
Tgt Ion:119 Resp: 66929

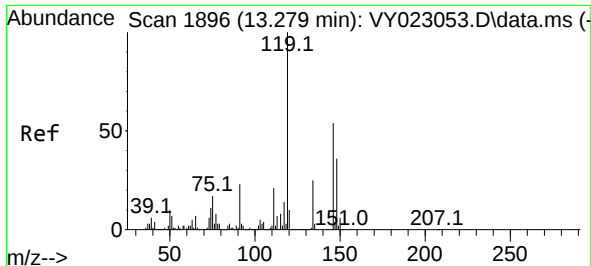
Ion Ratio Lower Upper

119 100

134 26.7 13.2 39.6

91 22.1 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 4.191 ug/l

RT: 13.285 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

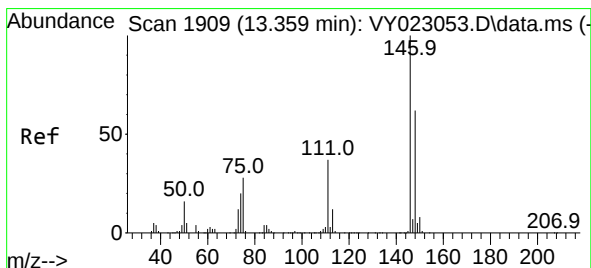
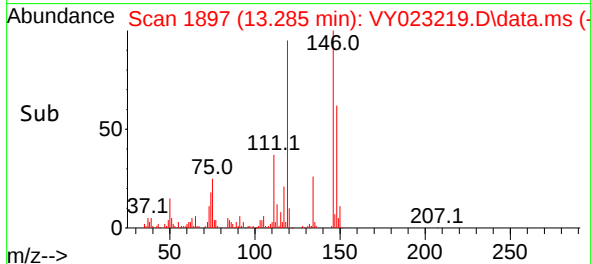
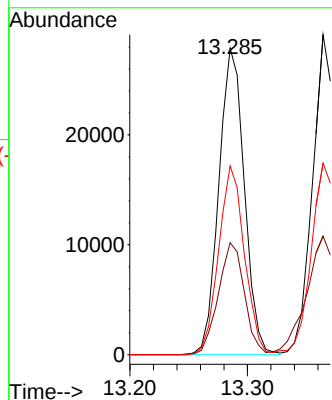
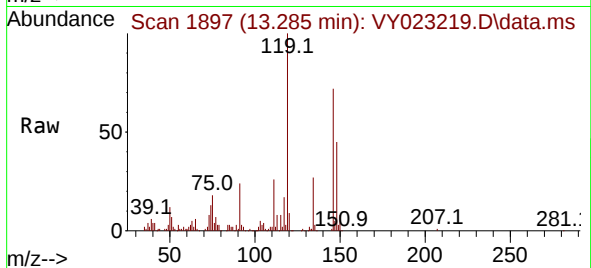
Tgt Ion:146 Resp: 42082

Ion Ratio Lower Upper

146 100

111 37.3 19.6 58.7

148 62.3 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 4.271 ug/l

RT: 13.364 min Scan# 1910

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

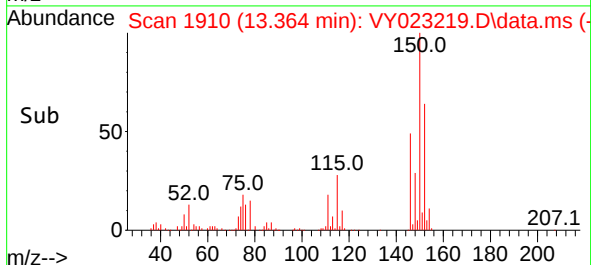
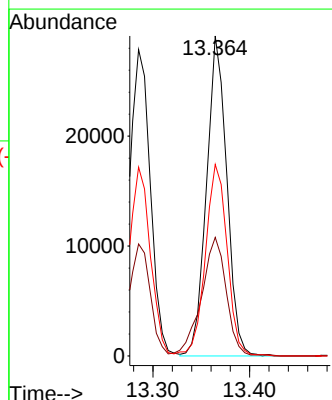
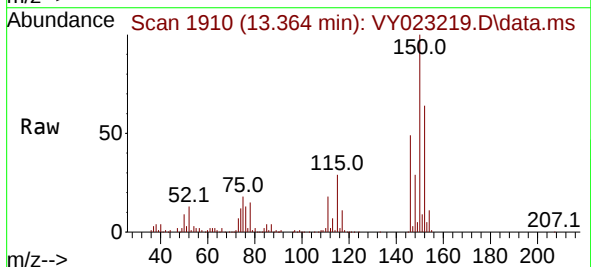
Tgt Ion:146 Resp: 42536

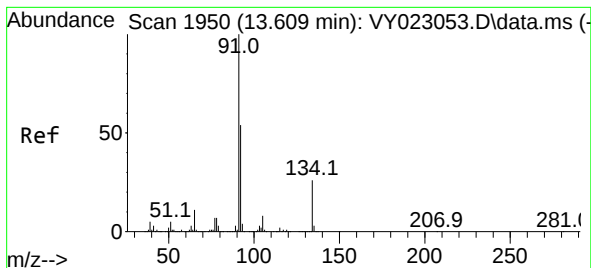
Ion Ratio Lower Upper

146 100

111 44.4 19.1 57.1

148 64.3 31.6 94.7





#89

n-Butylbenzene

Concen: 3.566 ug/l

RT: 13.614 min Scan# 1950

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

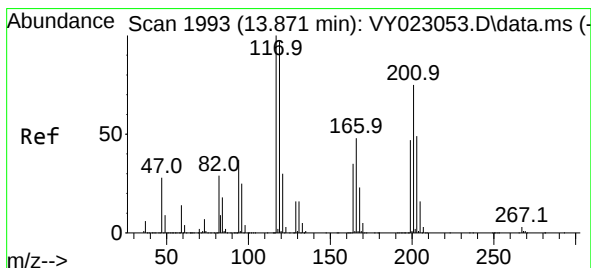
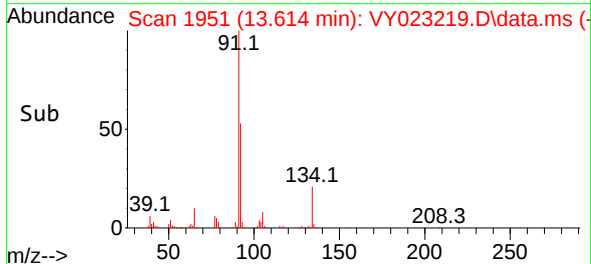
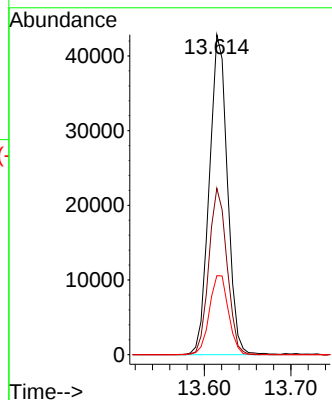
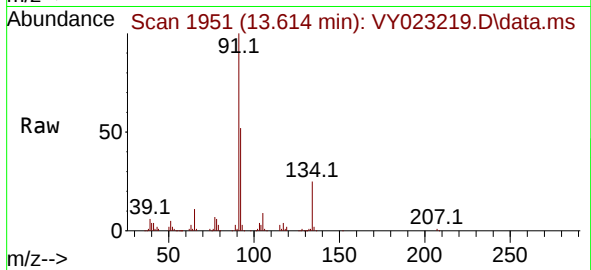
Tgt Ion: 91 Resp: 62215

Ion Ratio Lower Upper

91 100

92 52.0 26.9 80.7

134 26.1 13.2 39.5



#90

Hexachloroethane

Concen: 4.176 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.006 min

Lab File: VY023219.D

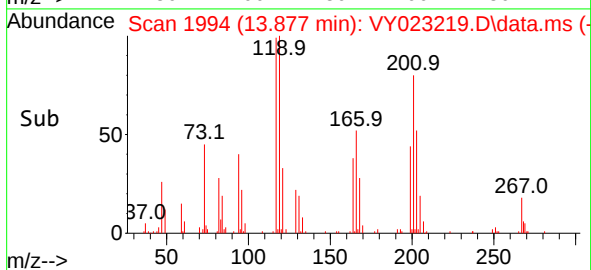
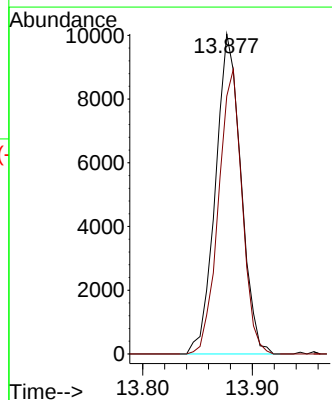
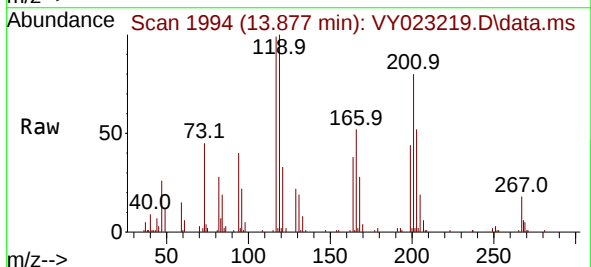
Acq: 28 Aug 2025 12:22

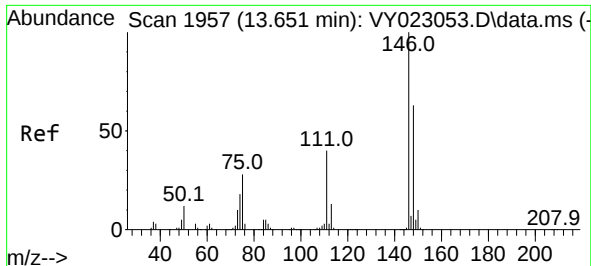
Tgt Ion: 117 Resp: 16239

Ion Ratio Lower Upper

117 100

201 82.5 38.4 115.1

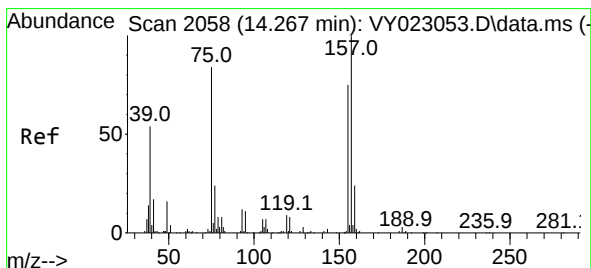
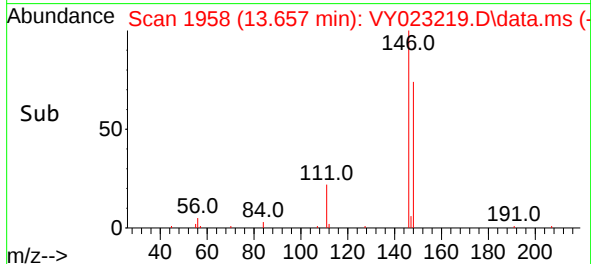
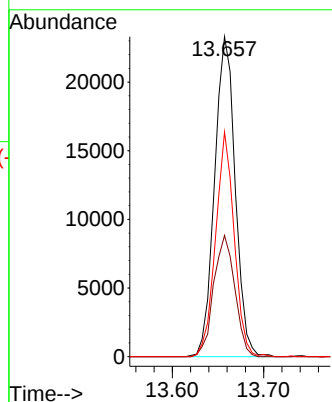
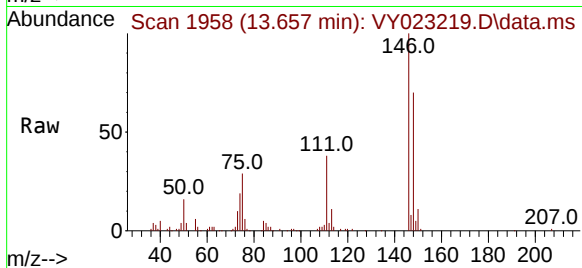




#91
1,2-Dichlorobenzene
Concen: 4.152 ug/l
RT: 13.657 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

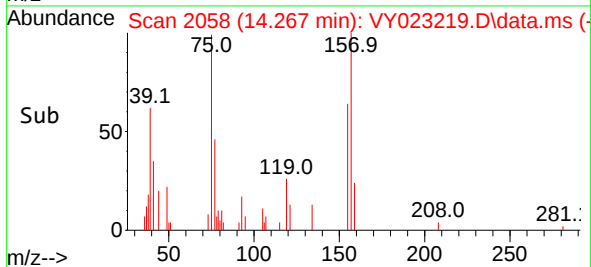
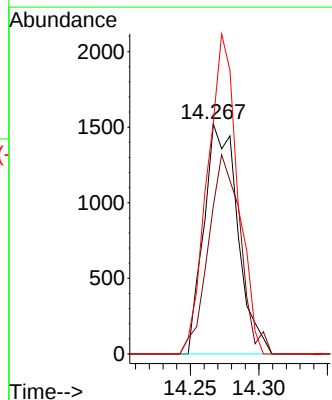
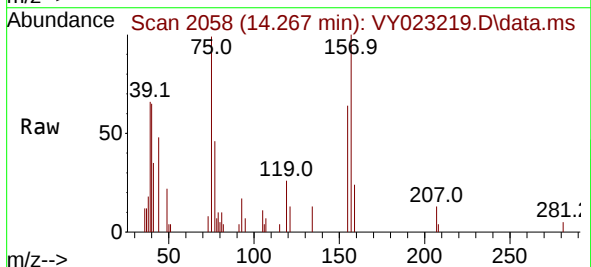
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

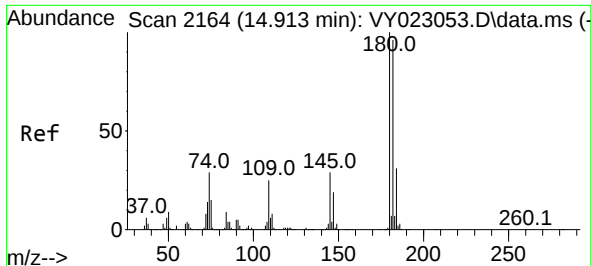
Tgt Ion:146	Resp:	36564
Ion Ratio	Lower	Upper
146	100	
111	38.7	20.3 60.8
148	63.6	32.2 96.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.572 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VY023219.D
Acq: 28 Aug 2025 12:22

Tgt Ion: 75	Resp:	2594
Ion Ratio	Lower	Upper
75	100	
155	82.5	43.9 131.6
157	125.7	57.2 171.6

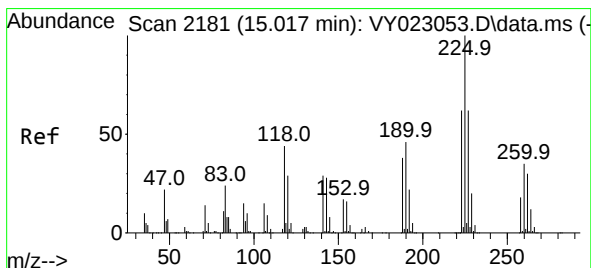
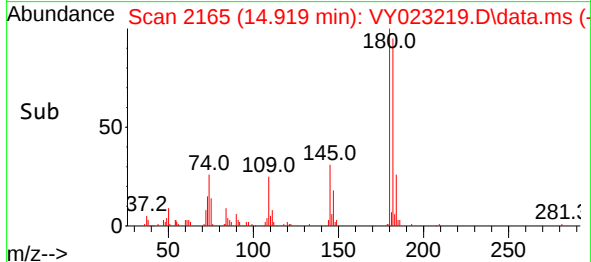
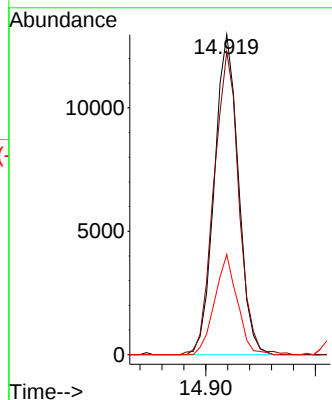
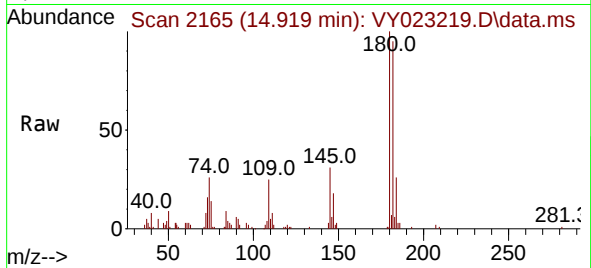




#93
 1,2,4-Trichlorobenzene
 Concen: 3.780 ug/l
 RT: 14.919 min Scan# 2165
 Delta R.T. 0.006 min
 Lab File: VY023219.D
 Acq: 28 Aug 2025 12:22

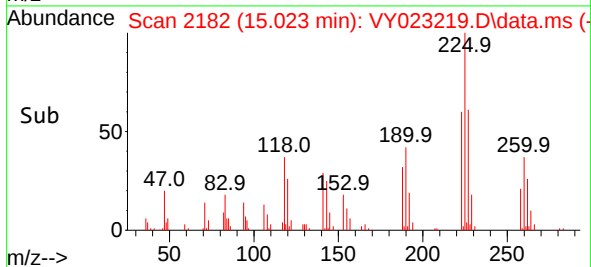
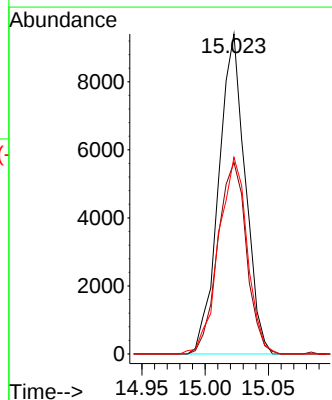
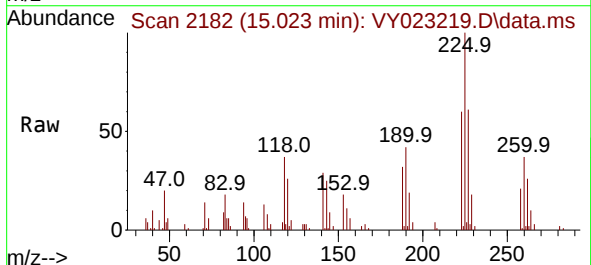
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:180 Resp: 19681
 Ion Ratio Lower Upper
 180 100
 182 98.2 46.8 140.4
 145 29.5 14.4 43.4



#94
 Hexachlorobutadiene
 Concen: 4.488 ug/l
 RT: 15.023 min Scan# 2182
 Delta R.T. 0.006 min
 Lab File: VY023219.D
 Acq: 28 Aug 2025 12:22

Tgt Ion:225 Resp: 13732
 Ion Ratio Lower Upper
 225 100
 223 64.6 31.3 93.8
 227 66.2 31.5 94.5





#95

Naphthalene

Concen: 3.173 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

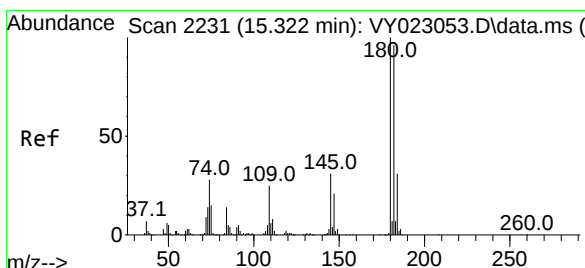
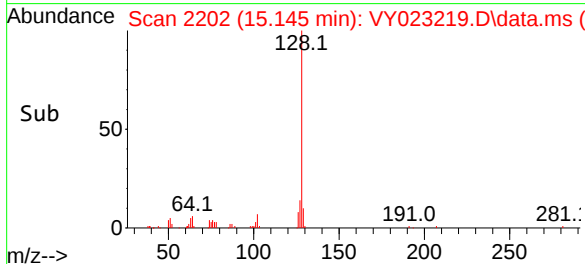
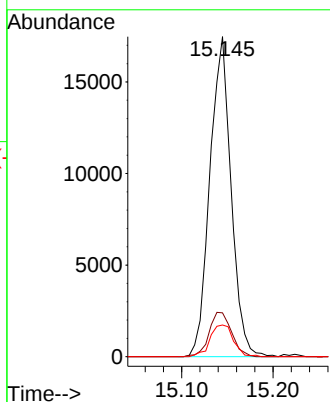
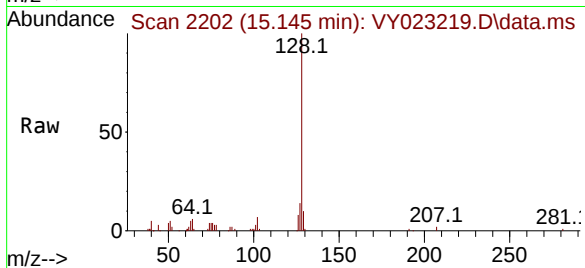
Tgt Ion:128 Resp: 28173

Ion Ratio Lower Upper

128 100

127 14.7 10.4 15.6

129 10.9 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 3.761 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY023219.D

Acq: 28 Aug 2025 12:22

Tgt Ion:180 Resp: 16876

Ion Ratio Lower Upper

180 100

182 98.7 47.9 143.7

145 34.9 15.9 47.7

