

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090425\
 Data File : VD080511.D
 Acq On : 04 Sep 2025 12:43
 Operator : RP/MD
 Sample : Q2893-02
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Sep 05 03:53:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 05 03:51:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	367167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	650974	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.576	117	579690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	278299	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	185539	44.790	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.580%
35) Dibromofluoromethane	7.806	113	185312	43.018	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.040%
50) Toluene-d8	10.270	98	753555	44.314	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.620%
62) 4-Bromofluorobenzene	12.570	95	236165	42.643	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.280%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.935	85	17353	5.551	ug/l	100
3) Chloromethane	2.153	50	27764	5.626	ug/l	97
4) Vinyl Chloride	2.288	62	27487	5.397	ug/l	98
5) Bromomethane	2.694	94	16829	5.880	ug/l	97
6) Chloroethane	2.841	64	20273	6.099	ug/l	97
7) Trichlorofluoromethane	3.176	101	30126	5.079	ug/l	97
8) Diethyl Ether	3.594	74	12791	5.442	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.976	101	18935	4.920	ug/l	94
10) Methyl Iodide	4.170	142	17819	4.010	ug/l	98
11) Tert butyl alcohol	5.059	59	7868	26.246	ug/l #	85
12) 1,1-Dichloroethene	3.941	96	20167	5.030	ug/l	89
13) Acrolein	3.800	56	7532	23.641	ug/l	98
14) Allyl chloride	4.564	41	32348	4.649	ug/l	96
15) Acrylonitrile	5.264	53	27146	25.934	ug/l	98
16) Acetone	4.023	43	28044	28.918	ug/l	97
17) Carbon Disulfide	4.270	76	66255	4.887	ug/l	96
18) Methyl Acetate	4.570	43	14460	5.298	ug/l	95
19) Methyl tert-butyl Ether	5.323	73	51842	4.927	ug/l	94
20) Methylene Chloride	4.800	84	47958	9.002	ug/l	95
21) trans-1,2-Dichloroethene	5.317	96	23153	5.044	ug/l	90
22) Diisopropyl ether	6.217	45	70435	4.918	ug/l	97
23) Vinyl Acetate	6.159	43	195593	24.000	ug/l	100
24) 1,1-Dichloroethane	6.117	63	41544	5.011	ug/l	97
25) 2-Butanone	7.088	43	36227	26.382	ug/l	94
26) 2,2-Dichloropropane	7.076	77	32100	4.890	ug/l	98
27) cis-1,2-Dichloroethene	7.082	96	26642	4.863	ug/l	98
28) Bromochloromethane	7.429	49	17089	5.058	ug/l #	13
29) Tetrahydrofuran	7.453	42	23199	26.735	ug/l	95
30) Chloroform	7.600	83	39813	5.023	ug/l	99
31) Cyclohexane	7.882	56	42332	5.455	ug/l #	86
32) 1,1,1-Trichloroethane	7.794	97	33909	5.138	ug/l	96
36) 1,1-Dichloropropene	8.011	75	28752	5.040	ug/l	96
37) Ethyl Acetate	7.176	43	15482	5.644	ug/l #	95
38) Carbon Tetrachloride	7.994	117	28126	5.180	ug/l	91
39) Methylcyclohexane	9.276	83	38195	5.030	ug/l	93
40) Benzene	8.253	78	89603	4.935	ug/l	100

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.406	41	9472	5.816	ug/l #	92
42) 1,2-Dichloroethane	8.323	62	22722	5.167	ug/l	97
43) Isopropyl Acetate	8.358	43	28705	5.143	ug/l	99
44) Trichloroethene	9.029	130	21726	4.933	ug/l	88
45) 1,2-Dichloropropane	9.305	63	21966	4.879	ug/l	98
46) Dibromomethane	9.394	93	12934	5.362	ug/l	99
47) Bromodichloromethane	9.588	83	30027	5.106	ug/l	95
48) Methyl methacrylate	9.382	41	14165	5.120	ug/l	94
49) 1,4-Dioxane	9.388	88	3149	105.595	ug/l #	87
51) 4-Methyl-2-Pentanone	10.158	43	73093	26.260	ug/l	98
52) Toluene	10.335	92	56685	5.007	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	29902	4.989	ug/l	97
54) cis-1,3-Dichloropropene	10.017	75	35096	4.897	ug/l	94
55) 1,1,2-Trichloroethane	10.729	97	16261	5.028	ug/l	91
56) Ethyl methacrylate	10.594	69	22614	5.019	ug/l	98
57) 1,3-Dichloropropane	10.882	76	29573	5.210	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	41841	23.995	ug/l	97
59) 2-Hexanone	10.923	43	52913	26.754	ug/l	99
60) Dibromochloromethane	11.076	129	21649	5.311	ug/l	98
61) 1,2-Dibromoethane	11.176	107	16972	5.515	ug/l	98
64) Tetrachloroethene	10.811	164	19612	5.478	ug/l	83
65) Chlorobenzene	11.605	112	64439	5.216	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.676	131	20574	5.222	ug/l	96
67) Ethyl Benzene	11.682	91	107389	5.023	ug/l	99
68) m/p-Xylenes	11.788	106	83138	10.099	ug/l	99
69) o-Xylene	12.117	106	39580	5.038	ug/l	99
70) Styrene	12.135	104	66803	4.998	ug/l	99
71) Bromoform	12.294	173	12226	5.460	ug/l #	94
73) Isopropylbenzene	12.417	105	99500	4.880	ug/l	100
74) N-amyl acetate	12.229	43	26195	4.841	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.670	83	19532	5.152	ug/l	99
76) 1,2,3-Trichloropropane	12.717	75	12456m	5.484	ug/l	
77) Bromobenzene	12.693	156	23746	5.033	ug/l	99
78) n-propylbenzene	12.758	91	121558	4.910	ug/l	100
79) 2-Chlorotoluene	12.846	91	68533	4.858	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	80743	4.873	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.464	75	7678	5.131	ug/l	95
82) 4-Chlorotoluene	12.941	91	70585	4.864	ug/l	99
83) tert-Butylbenzene	13.164	119	70651	4.915	ug/l	99
84) 1,2,4-Trimethylbenzene	13.211	105	81550	4.888	ug/l	98
85) sec-Butylbenzene	13.341	105	106129	4.947	ug/l	99
86) p-Isopropyltoluene	13.458	119	86159	4.801	ug/l	99
87) 1,3-Dichlorobenzene	13.452	146	47484	5.220	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	45784	5.013	ug/l	92
89) n-Butylbenzene	13.782	91	82777	4.842	ug/l	98
90) Hexachloroethane	14.052	117	17126	4.933	ug/l	98
91) 1,2-Dichlorobenzene	13.829	146	41230	5.094	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	2986	5.249	ug/l	96
93) 1,2,4-Trichlorobenzene	15.099	180	25756	5.079	ug/l	98
94) Hexachlorobutadiene	15.199	225	11295	4.900	ug/l	97
95) Naphthalene	15.329	128	53338	4.944	ug/l	98
96) 1,2,3-Trichlorobenzene	15.517	180	22041	5.077	ug/l	97

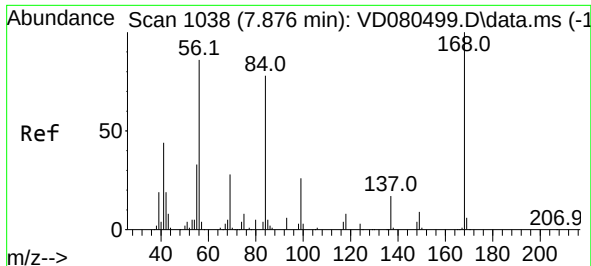
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QLast Update : Fri Sep 05 03:51:03 2025
Response via : Initial Calibration

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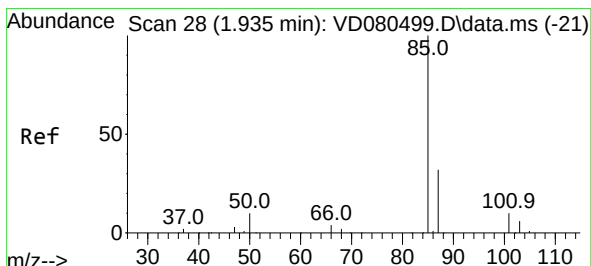
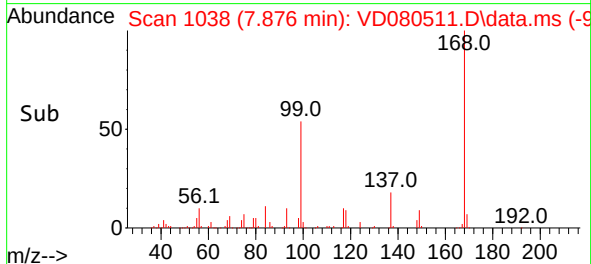
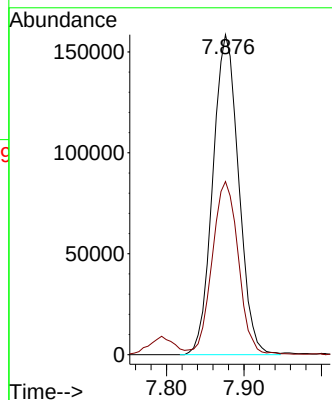
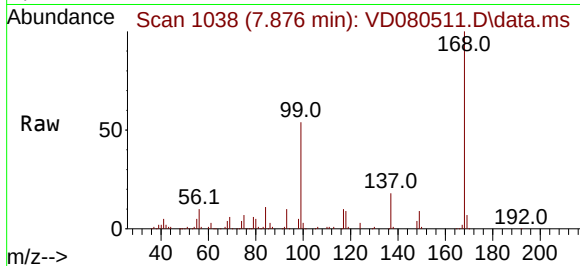
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

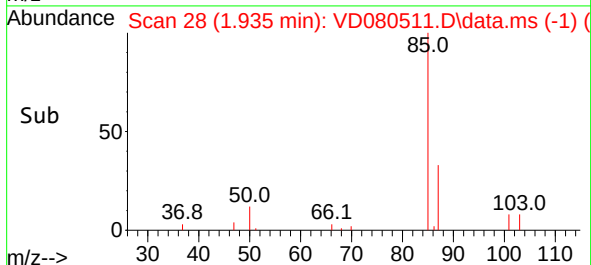
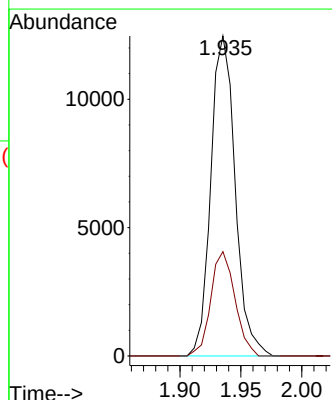
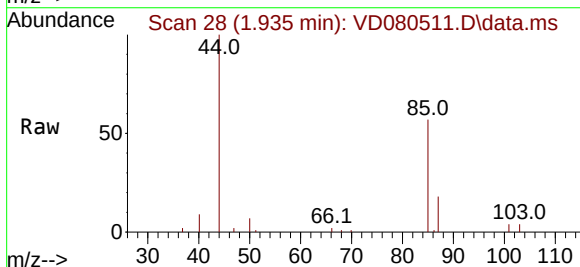
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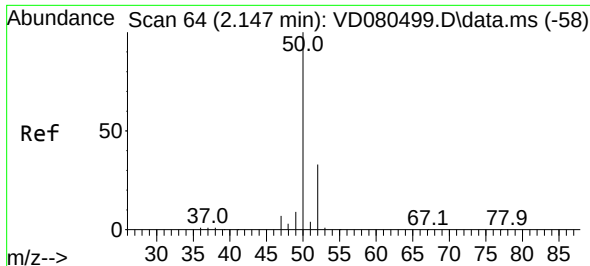
Tgt Ion:168 Resp: 367167
Ion Ratio Lower Upper
168 100
99 53.8 44.1 66.1



#2
Dichlorodifluoromethane
Concen: 5.551 ug/l
RT: 1.935 min Scan# 28
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion: 85 Resp: 17353
Ion Ratio Lower Upper
85 100
87 32.6 16.2 48.5

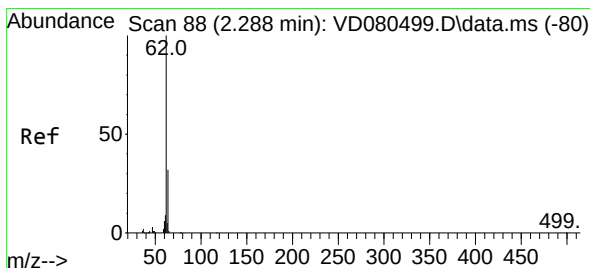
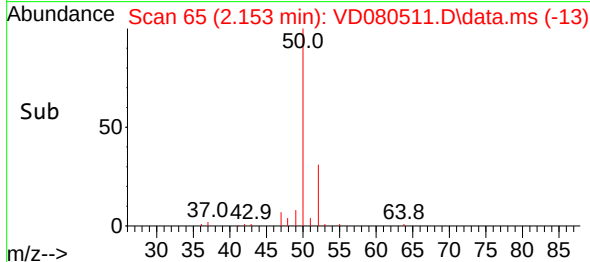
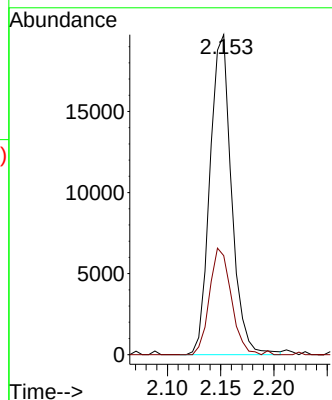
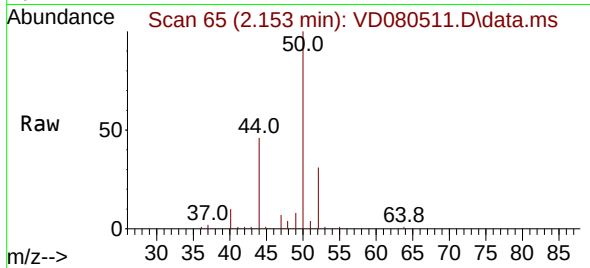




#3
Chloromethane
Concen: 5.626 ug/l
RT: 2.153 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

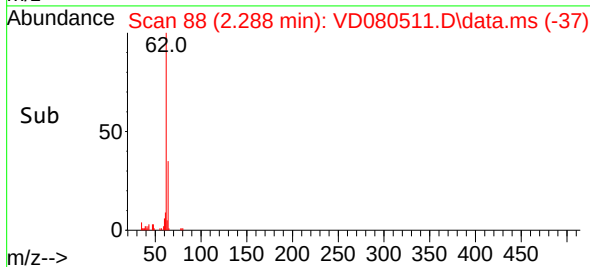
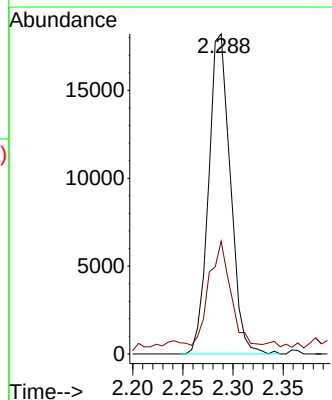
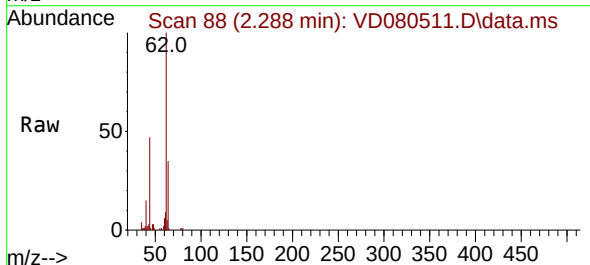
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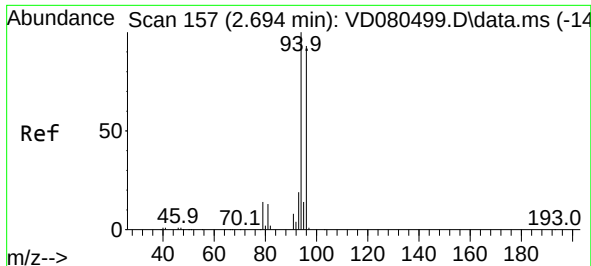
Tgt Ion: 50 Resp: 27764
Ion Ratio Lower Upper
50 100
52 30.9 26.2 39.4



#4
Vinyl Chloride
Concen: 5.397 ug/l
RT: 2.288 min Scan# 88
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion: 62 Resp: 27487
Ion Ratio Lower Upper
62 100
64 33.0 25.6 38.4

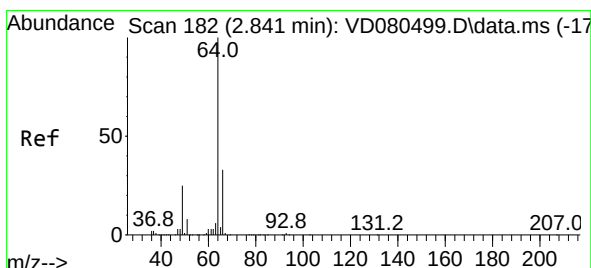
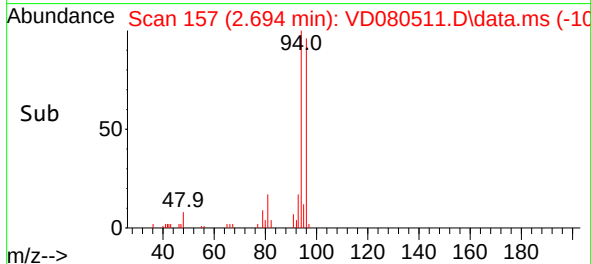
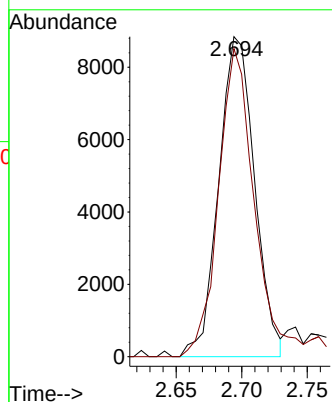
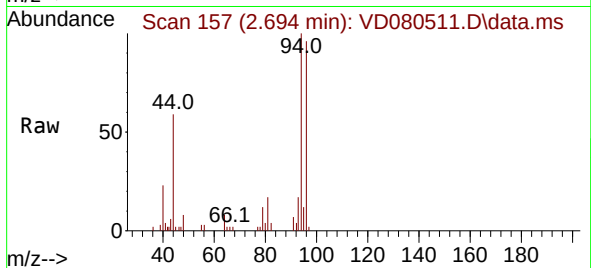




#5
Bromomethane
Concen: 5.880 ug/l
RT: 2.694 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

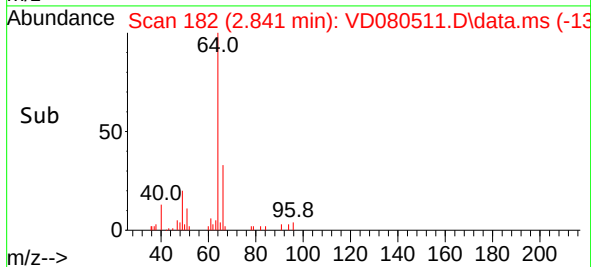
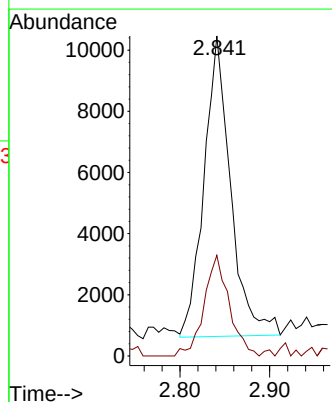
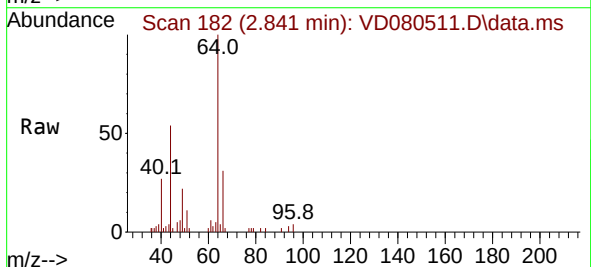
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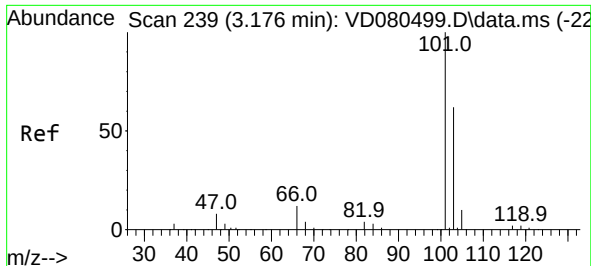
Tgt Ion: 94 Resp: 16829
Ion Ratio Lower Upper
94 100
96 96.0 74.6 111.8



#6
Chloroethane
Concen: 6.099 ug/l
RT: 2.841 min Scan# 182
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion: 64 Resp: 20273
Ion Ratio Lower Upper
64 100
66 31.2 26.5 39.7

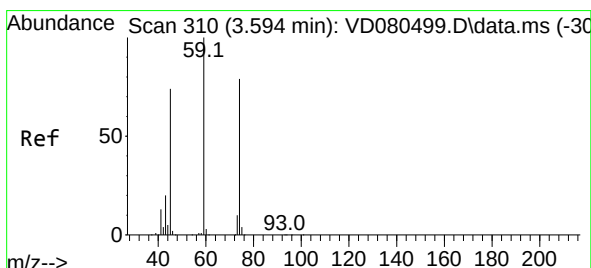
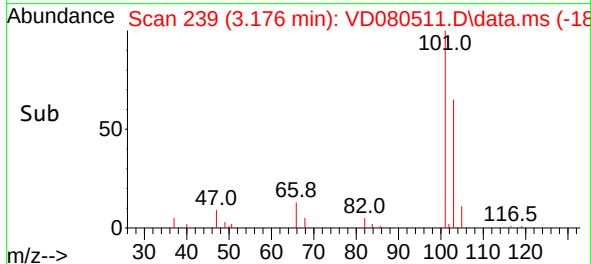
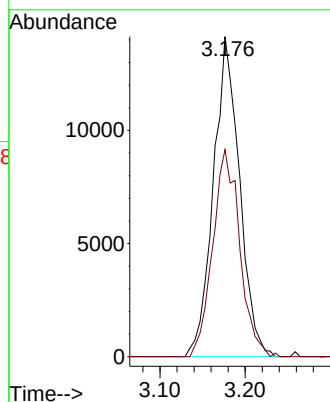
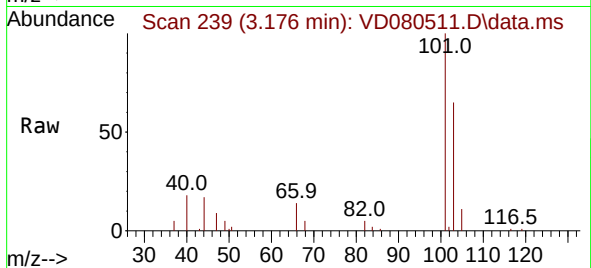




#7
 Trichlorofluoromethane
 Concen: 5.079 ug/l
 RT: 3.176 min Scan# 211
 Delta R.T. -0.000 min
 Lab File: VD080511.D
 Acq: 04 Sep 2025 12:43

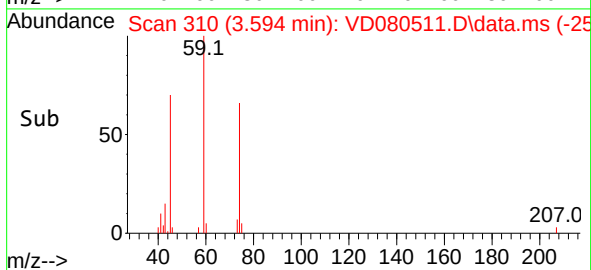
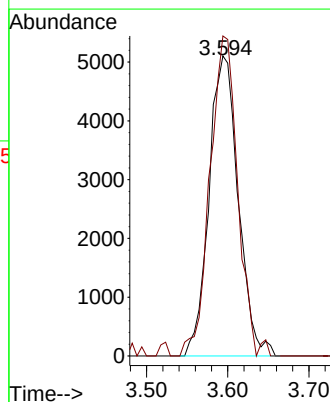
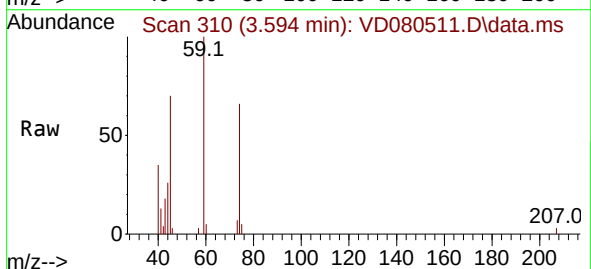
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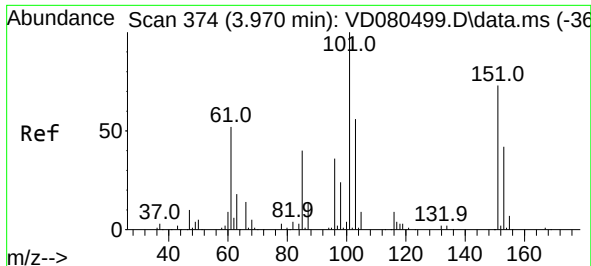
Tgt Ion:101 Resp: 30126
 Ion Ratio Lower Upper
 101 100
 103 64.7 49.6 74.4



#8
 Diethyl Ether
 Concen: 5.442 ug/l
 RT: 3.594 min Scan# 310
 Delta R.T. -0.000 min
 Lab File: VD080511.D
 Acq: 04 Sep 2025 12:43

Tgt Ion: 74 Resp: 12791
 Ion Ratio Lower Upper
 74 100
 45 101.3 48.2 144.6

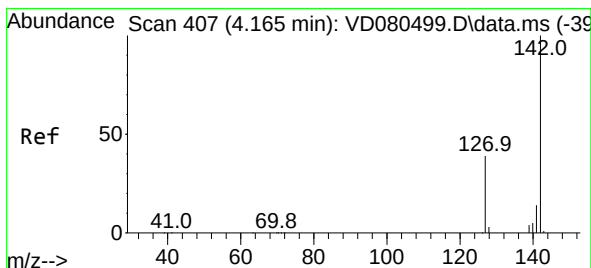
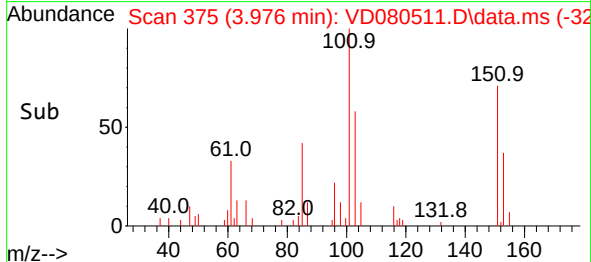
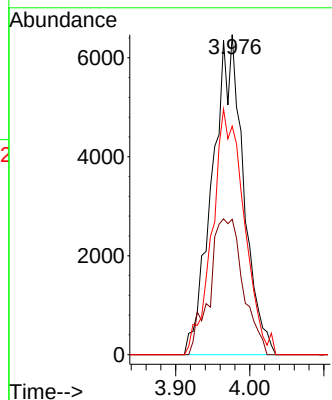
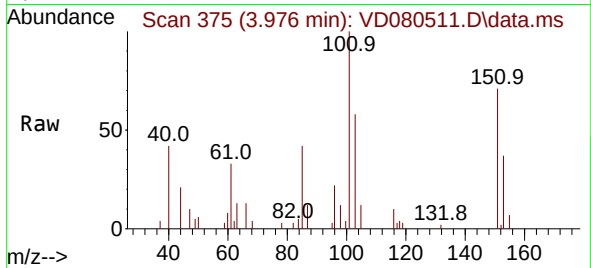




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.920 ug/l
RT: 3.976 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD080511.D
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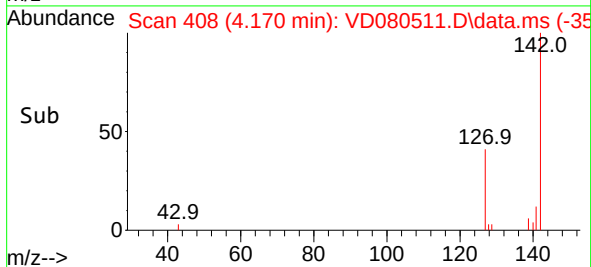
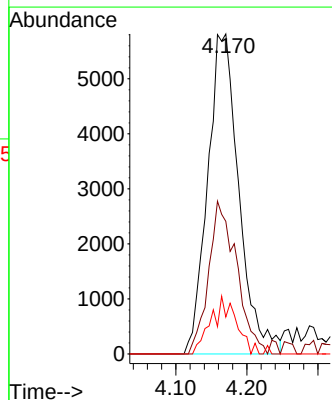
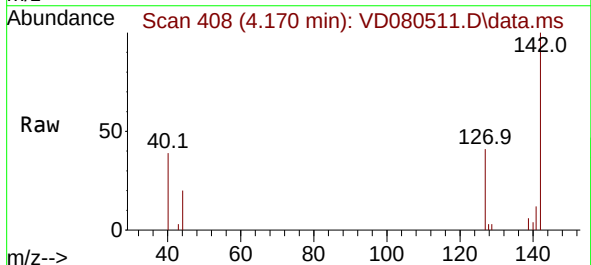
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2025

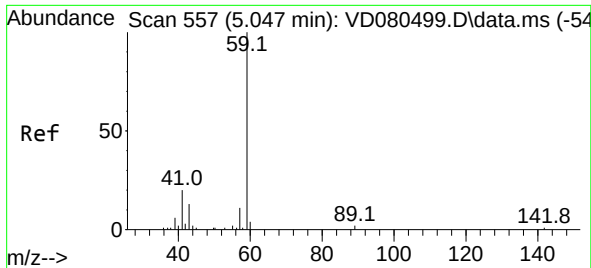
Tgt Ion:	101	Resp:	18935
Ion	Ratio	Lower	Upper
101	100		
85	45.3	33.8	50.6
151	78.2	58.0	87.0



#10
Methyl Iodide
Concen: 4.010 ug/l
RT: 4.170 min Scan# 408
Delta R.T. 0.006 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion:	142	Resp:	17819
Ion	Ratio	Lower	Upper
142	100		
127	42.7	33.1	49.7
141	14.5	11.7	17.5

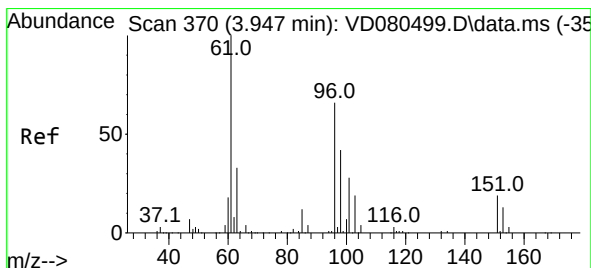
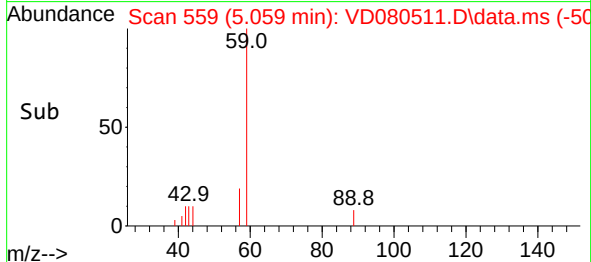
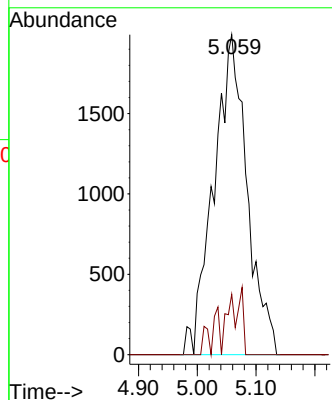
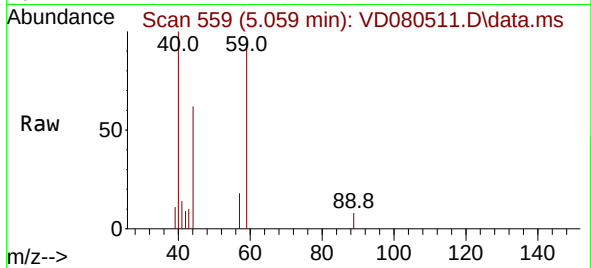




#11
Tert butyl alcohol
Concen: 26.246 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.012 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

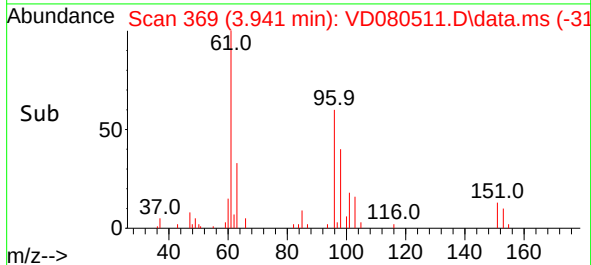
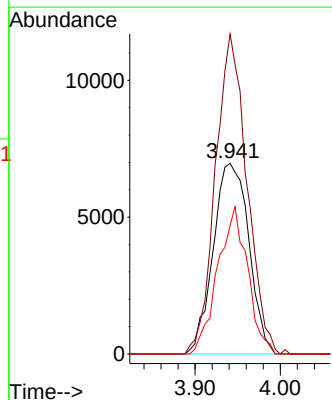
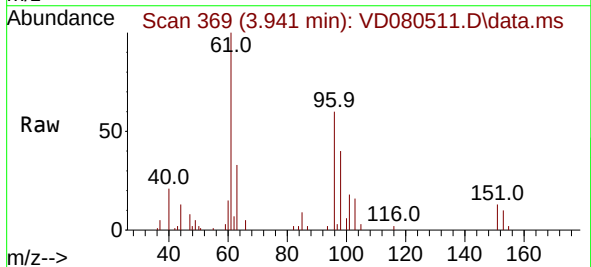
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2025

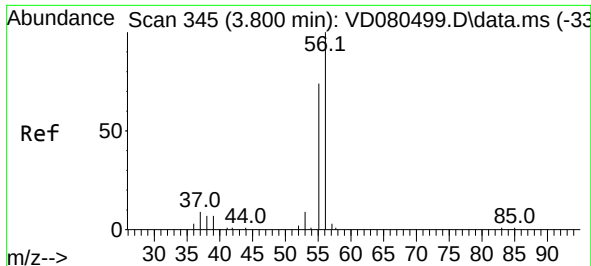
Tgt Ion: 59 Resp: 7868
Ion Ratio Lower Upper
59 100
57 4.7 8.1 12.1#



#12
1,1-Dichloroethene
Concen: 5.030 ug/l
RT: 3.941 min Scan# 369
Delta R.T. -0.006 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion: 96 Resp: 20167
Ion Ratio Lower Upper
96 100
61 167.9 120.9 181.3
98 67.4 50.7 76.1

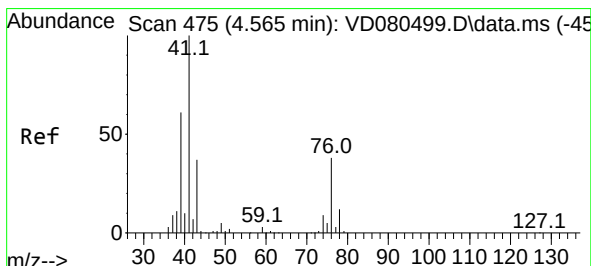
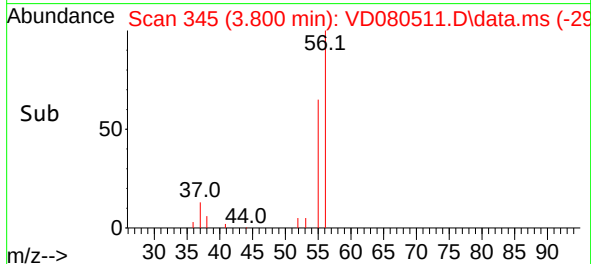
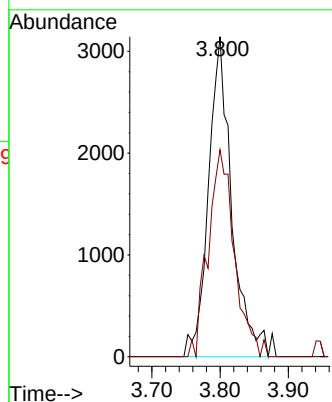
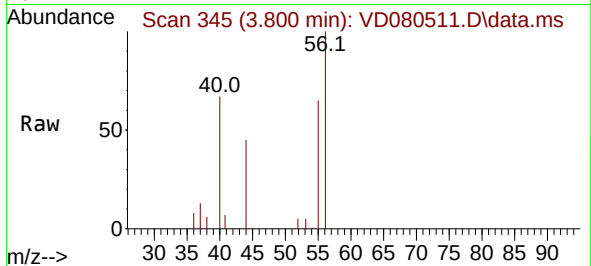




#13
Acrolein
Concen: 23.641 ug/l
RT: 3.800 min Scan# 345
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

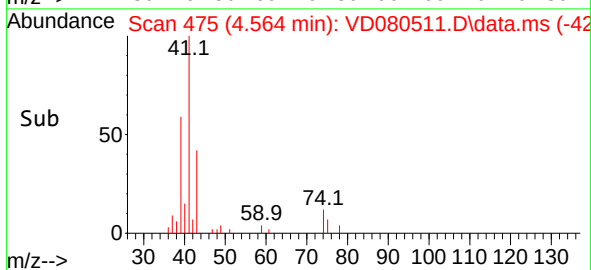
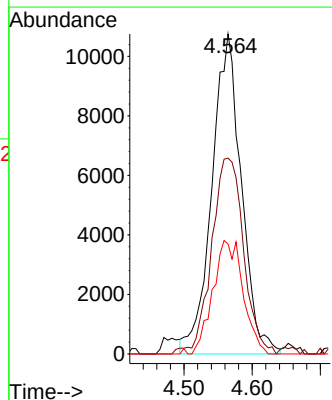
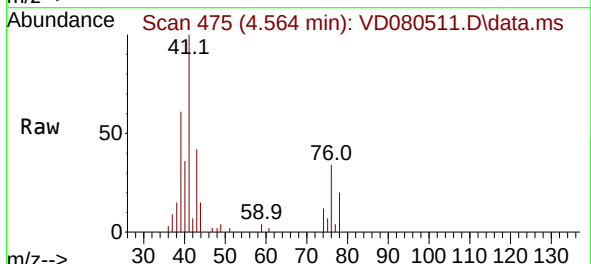
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2025

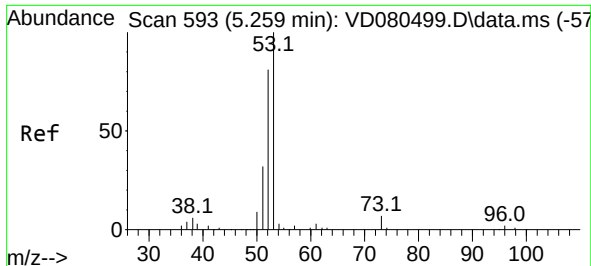
Tgt Ion: 56 Resp: 7532
Ion Ratio Lower Upper
56 100
55 72.4 56.6 85.0



#14
Allyl chloride
Concen: 4.649 ug/l
RT: 4.564 min Scan# 475
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion: 41 Resp: 32348
Ion Ratio Lower Upper
41 100
39 66.3 50.1 75.1
76 36.3 30.7 46.1

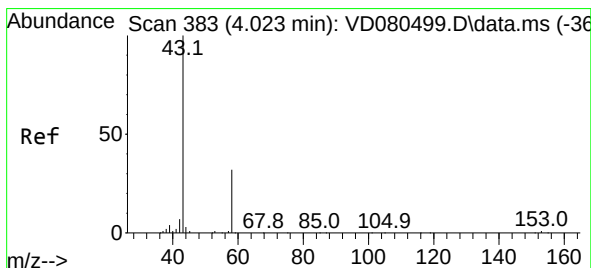
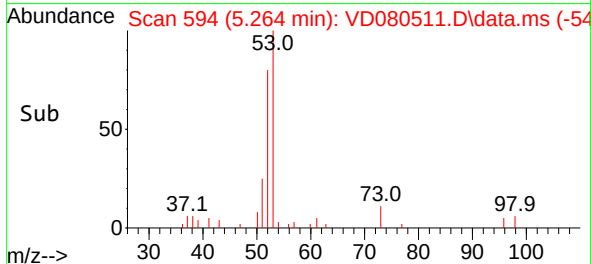
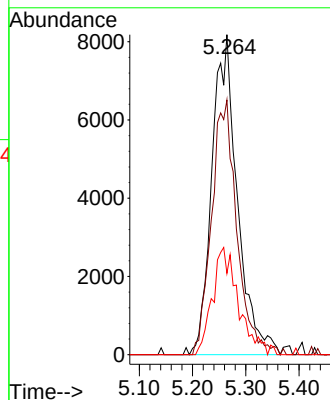
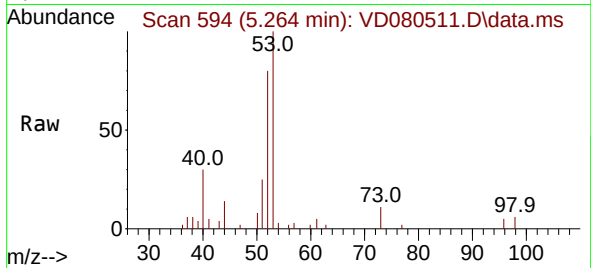




#15
Acrylonitrile
Concen: 25.934 ug/l
RT: 5.264 min Scan# 594
Delta R.T. 0.006 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

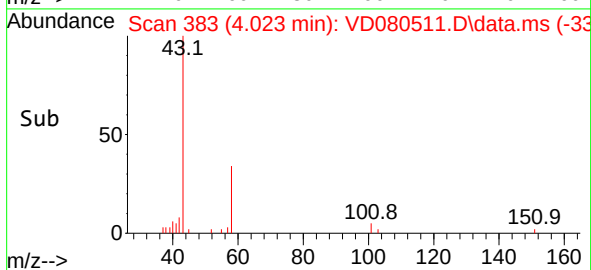
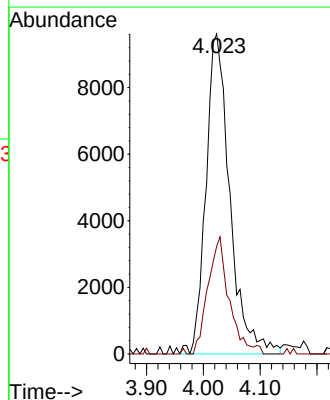
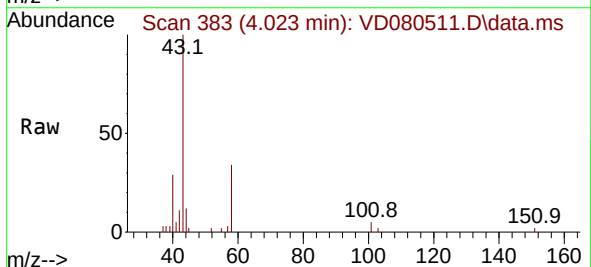
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2025

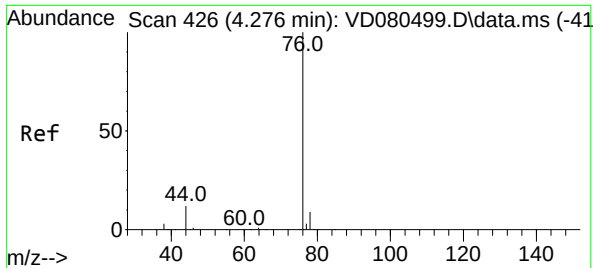
Tgt Ion:	53	Resp:	27146
Ion	Ratio	Lower	Upper
53	100		
52	79.2	64.6	97.0
51	34.0	28.0	42.0



#16
Acetone
Concen: 28.918 ug/l
RT: 4.023 min Scan# 383
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion:	43	Resp:	28044
Ion	Ratio	Lower	Upper
43	100		
58	33.6	25.4	38.0

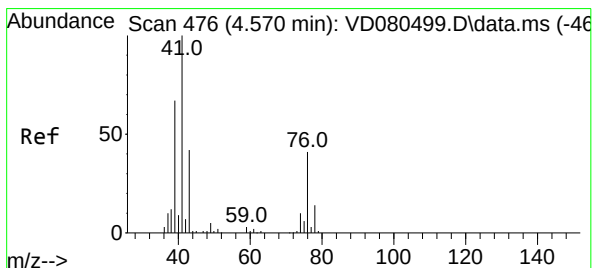
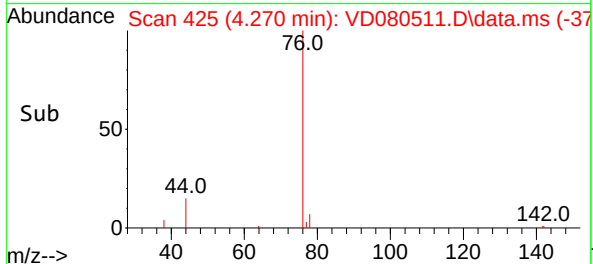
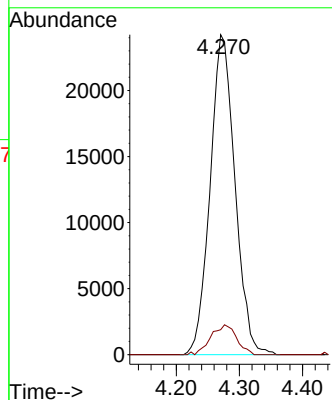
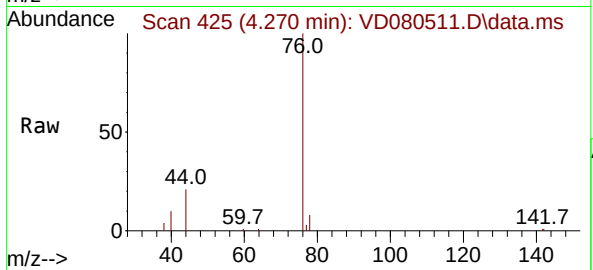




#17
Carbon Disulfide
Concen: 4.887 ug/l
RT: 4.270 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

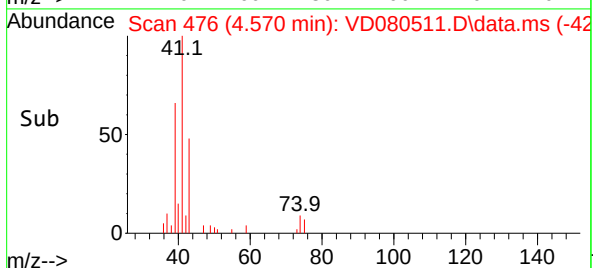
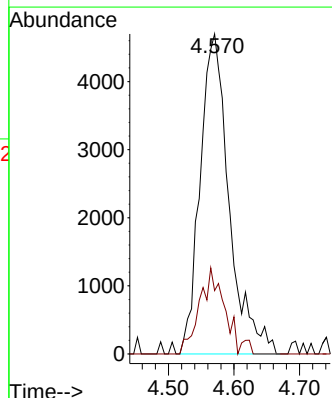
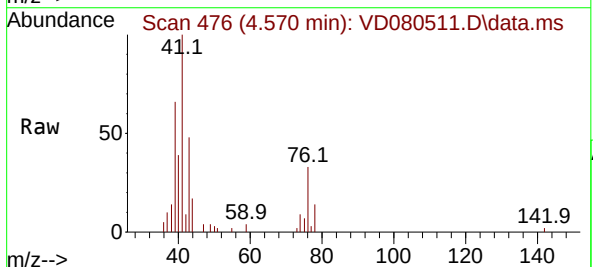
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2025

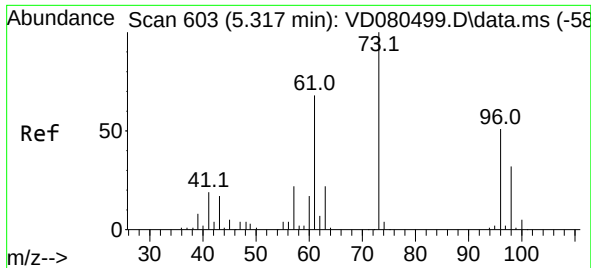
Tgt Ion: 76 Resp: 66255
Ion Ratio Lower Upper
76 100
78 7.8 7.4 11.0



#18
Methyl Acetate
Concen: 5.298 ug/l
RT: 4.570 min Scan# 476
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion: 43 Resp: 14460
Ion Ratio Lower Upper
43 100
74 22.8 20.2 30.2

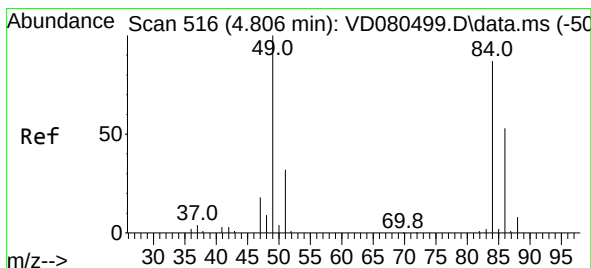
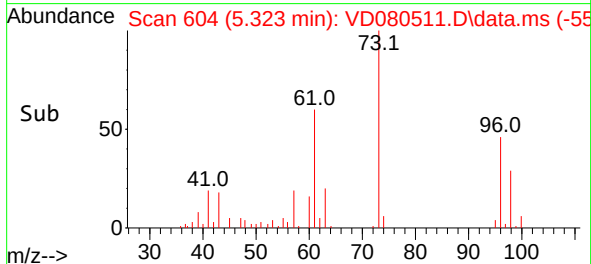
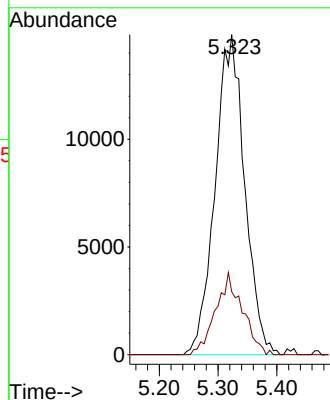
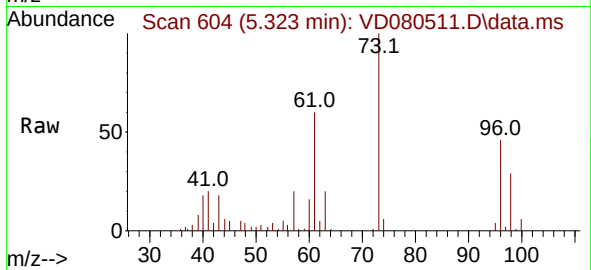




#19
Methyl tert-butyl Ether
Concen: 4.927 ug/l
RT: 5.323 min Scan# 603
Delta R.T. 0.006 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

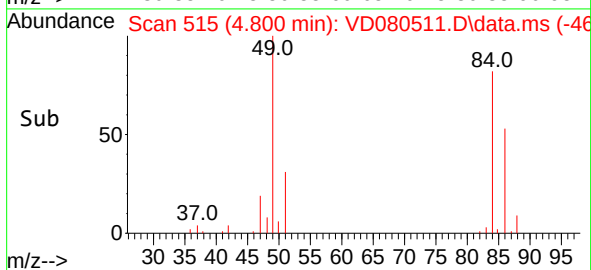
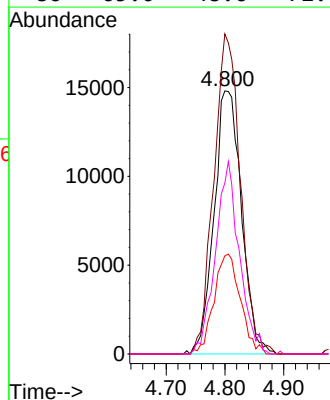
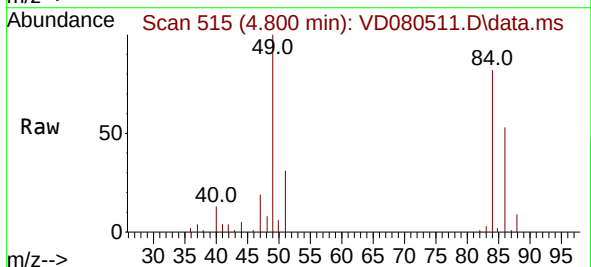
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2025

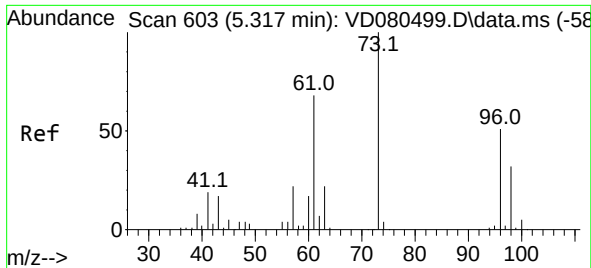
Tgt Ion: 73 Resp: 51842
Ion Ratio Lower Upper
73 100
57 19.6 17.8 26.8



#20
Methylene Chloride
Concen: 9.002 ug/l
RT: 4.800 min Scan# 515
Delta R.T. -0.006 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion: 84 Resp: 47958
Ion Ratio Lower Upper
84 100
49 121.7 91.8 137.6
51 37.3 29.0 43.4
86 65.0 48.6 72.8

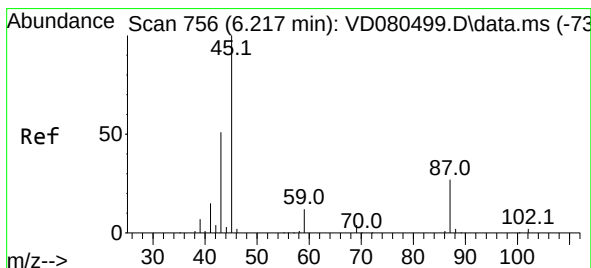
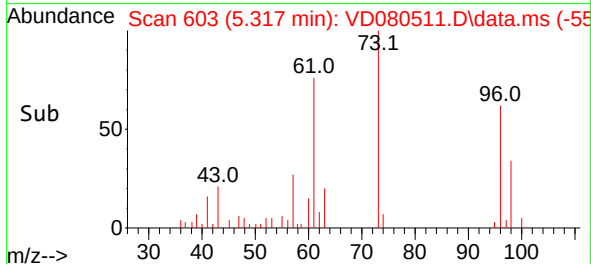
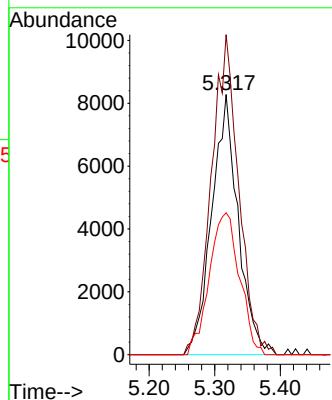
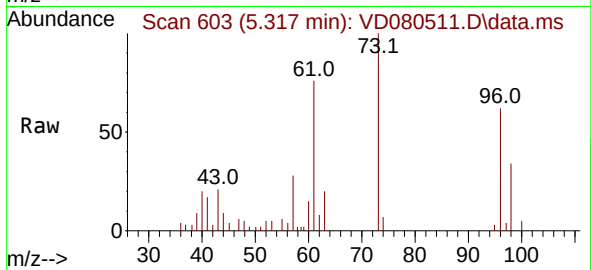




#21
trans-1,2-Dichloroethene
Concen: 5.044 ug/l
RT: 5.317 min Scan# 603
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

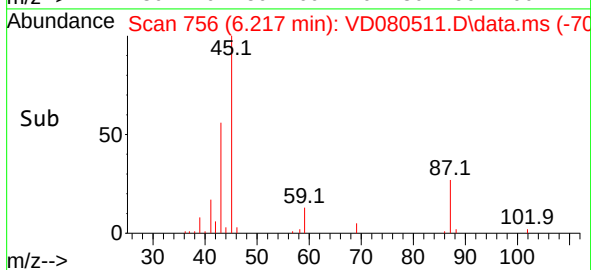
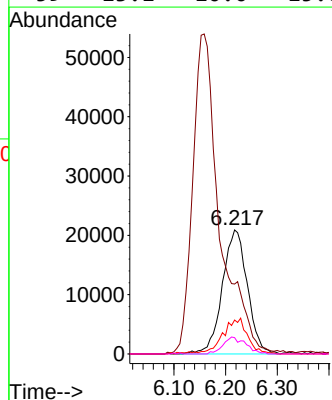
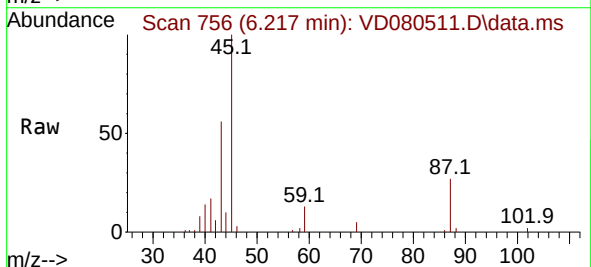
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT3-2025

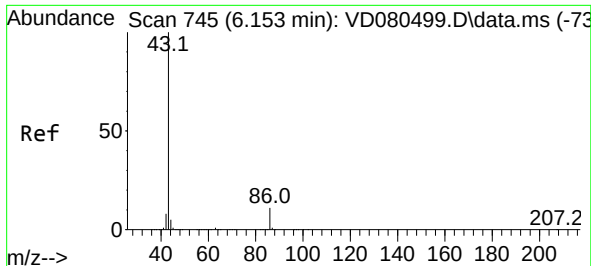
Tgt Ion: 96 Resp: 23153
Ion Ratio Lower Upper
96 100
61 123.0 107.4 161.0
98 54.6 49.9 74.9



#22
Diisopropyl ether
Concen: 4.918 ug/l
RT: 6.217 min Scan# 756
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion: 45 Resp: 70435
Ion Ratio Lower Upper
45 100
43 54.4 40.6 60.8
87 27.3 21.6 32.4
59 13.1 10.0 15.0

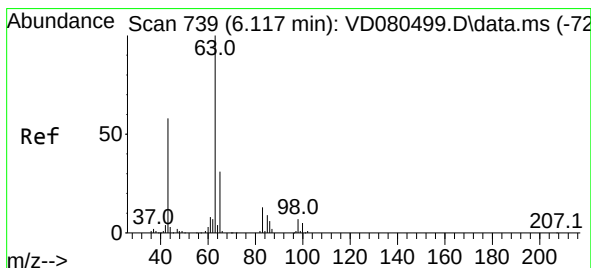
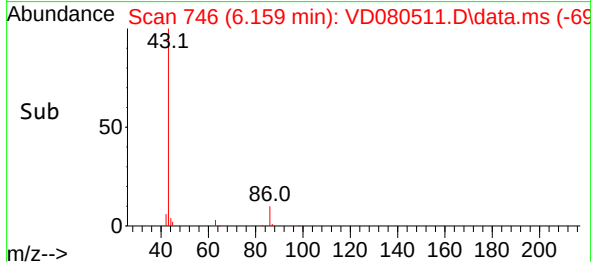
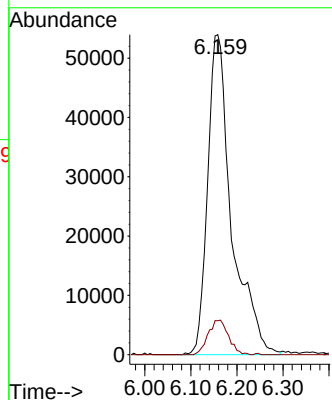
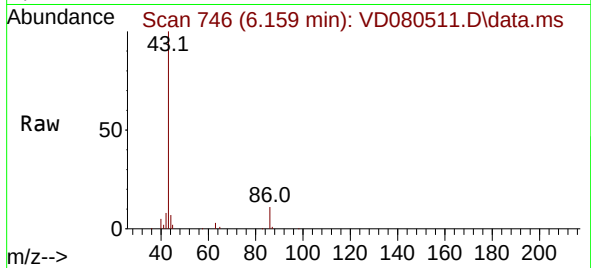




#23
 Vinyl Acetate
 Concen: 24.000 ug/l
 RT: 6.159 min Scan# 746
 Delta R.T. 0.006 min
 Lab File: VD080511.D
 Acq: 04 Sep 2025 12:43

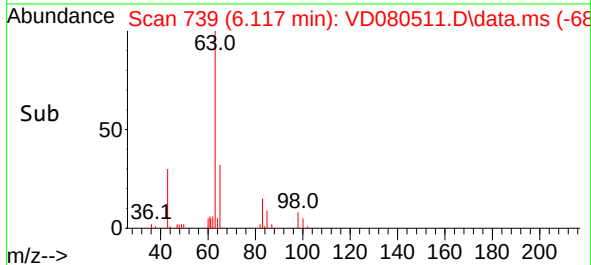
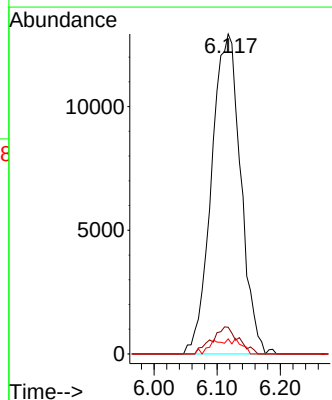
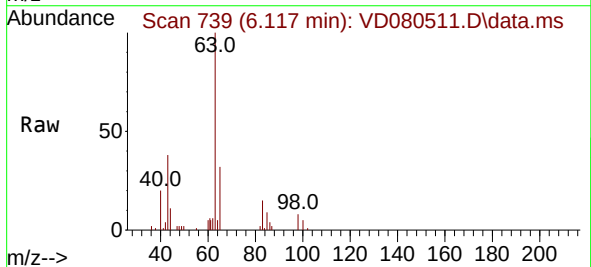
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

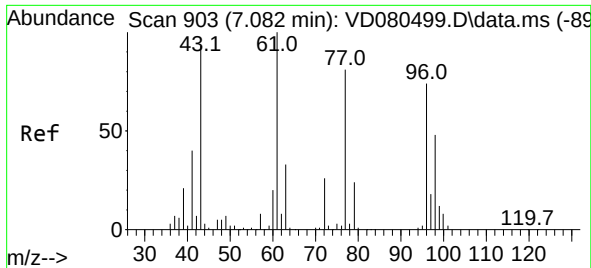
Tgt Ion: 43 Resp: 195593
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 5.011 ug/l
 RT: 6.117 min Scan# 739
 Delta R.T. -0.000 min
 Lab File: VD080511.D
 Acq: 04 Sep 2025 12:43

Tgt Ion: 63 Resp: 41544
 Ion Ratio Lower Upper
 63 100
 98 8.3 3.3 9.9
 100 4.7 2.4 7.1

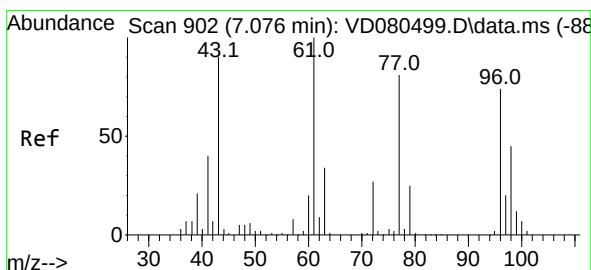
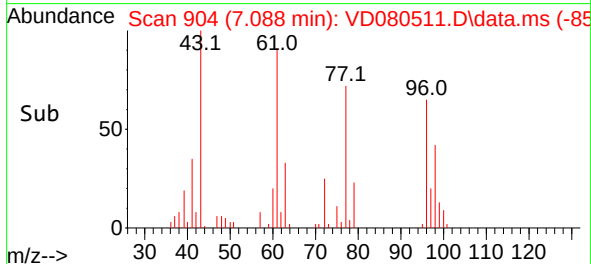
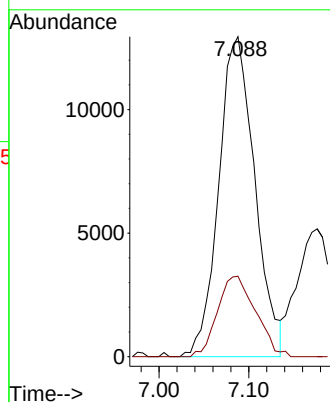
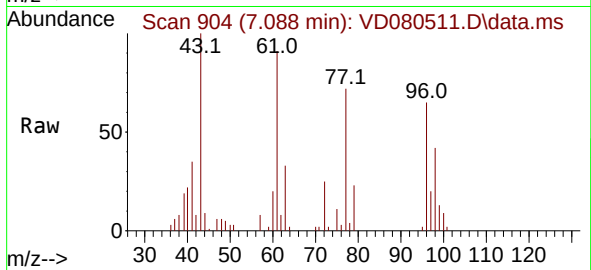




#25
2-Butanone
Concen: 26.382 ug/l
RT: 7.088 min Scan# 904
Delta R.T. 0.006 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

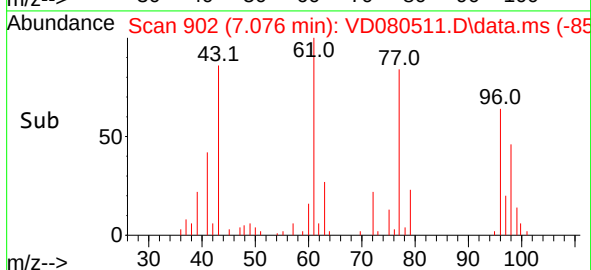
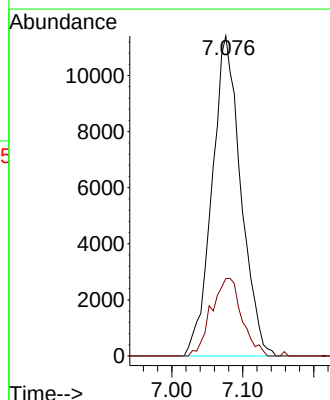
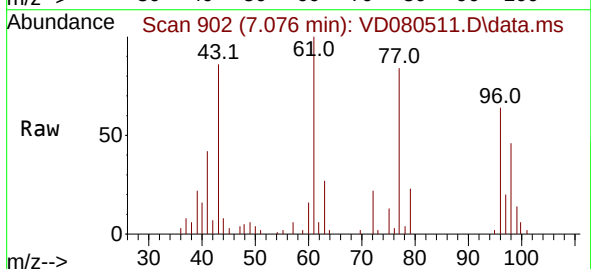
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2025

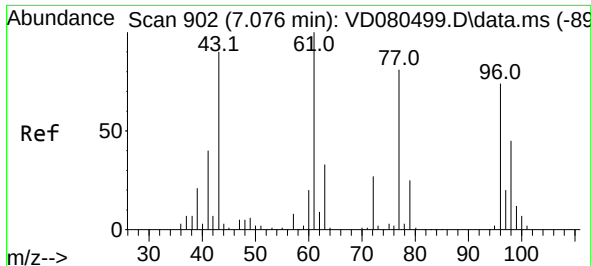
Tgt Ion: 43 Resp: 36227
Ion Ratio Lower Upper
43 100
72 25.1 22.8 34.2



#26
2,2-Dichloropropane
Concen: 4.890 ug/l
RT: 7.076 min Scan# 902
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion: 77 Resp: 32100
Ion Ratio Lower Upper
77 100
97 25.6 12.4 37.0



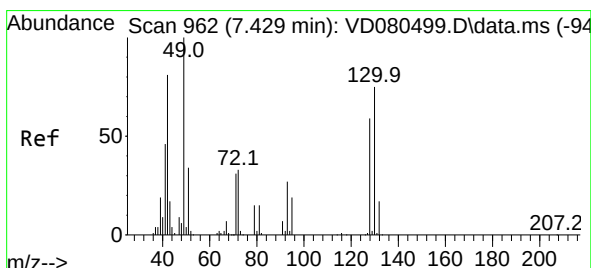
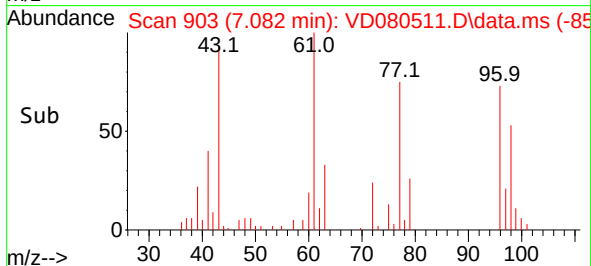
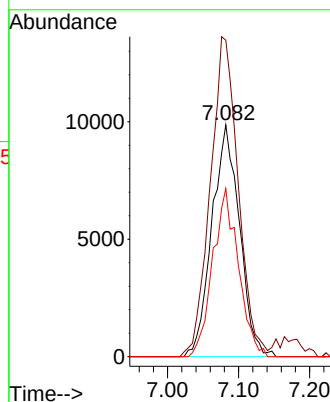
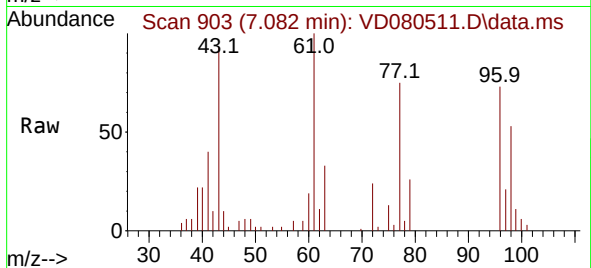


#27
 cis-1,2-Dichloroethene
 Concen: 4.863 ug/l
 RT: 7.082 min Scan# 903
 Delta R.T. 0.006 min
 Lab File: VD080511.D
 Acq: 04 Sep 2025 12:43

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

Tgt Ion: 96 Resp: 26642

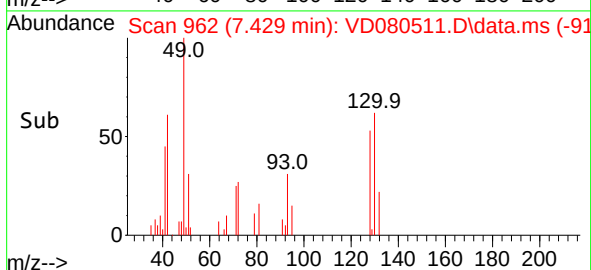
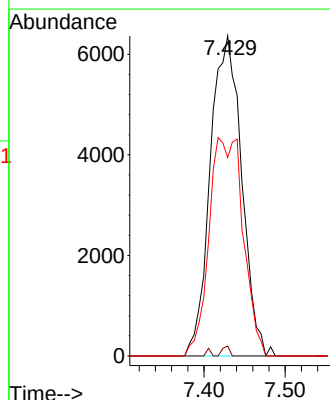
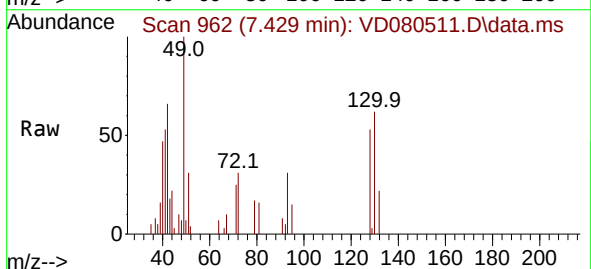
Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	275.2
98	67.2	0.0	128.8

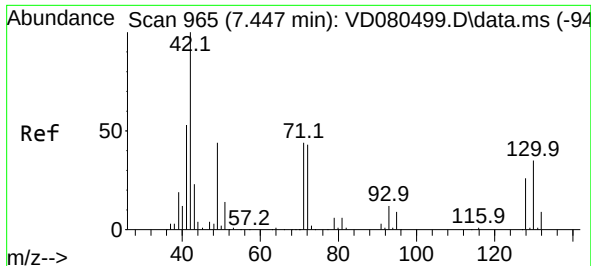


#28
 Bromochloromethane
 Concen: 5.058 ug/l
 RT: 7.429 min Scan# 962
 Delta R.T. -0.000 min
 Lab File: VD080511.D
 Acq: 04 Sep 2025 12:43

Tgt Ion: 49 Resp: 17089

Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	4.0
130	0.0	61.1	91.7#





#29

Tetrahydrofuran

Concen: 26.735 ug/l

RT: 7.453 min Scan# 90

Delta R.T. 0.006 min

Lab File: VD080511.D

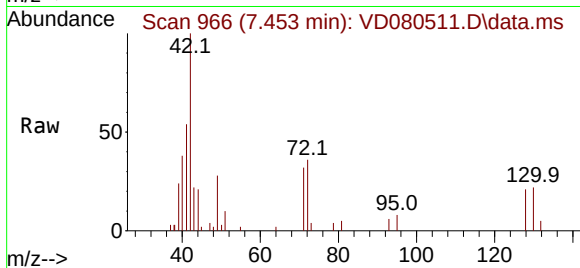
Acq: 04 Sep 2025 12:43

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2025



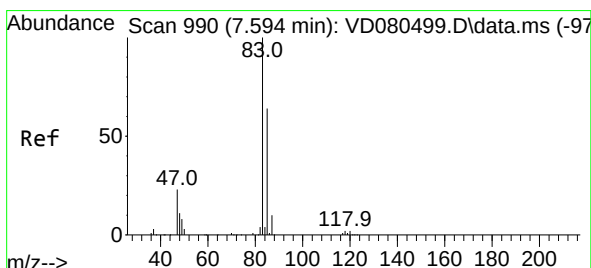
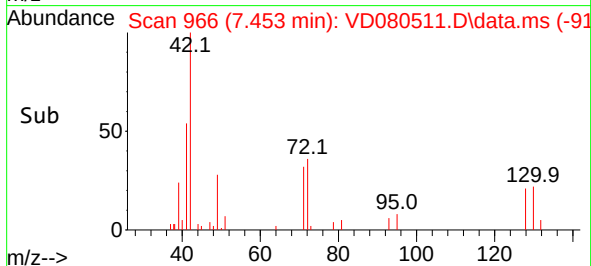
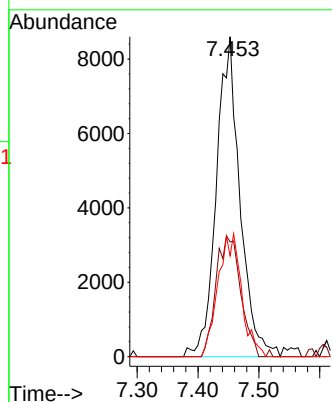
Tgt Ion: 42 Resp: 23199

Ion Ratio Lower Upper

42 100

72 39.4 34.7 52.1

71 38.3 32.9 49.3



#30

Chloroform

Concen: 5.023 ug/l

RT: 7.600 min Scan# 991

Delta R.T. 0.006 min

Lab File: VD080511.D

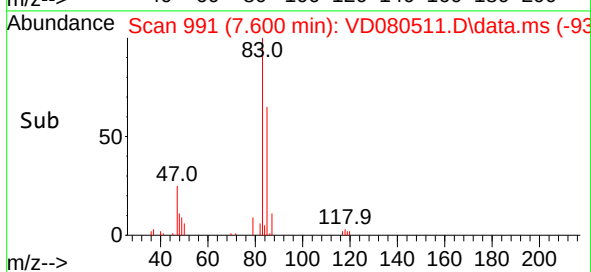
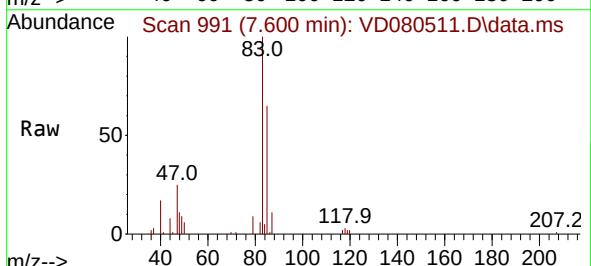
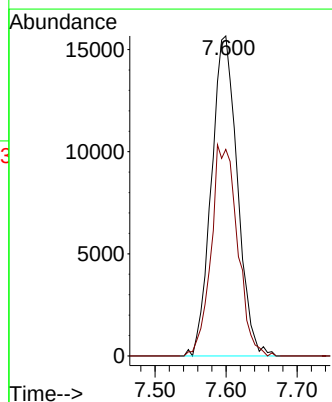
Acq: 04 Sep 2025 12:43

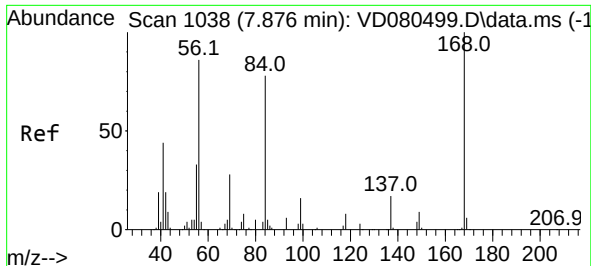
Tgt Ion: 83 Resp: 39813

Ion Ratio Lower Upper

83 100

85 64.5 51.2 76.8

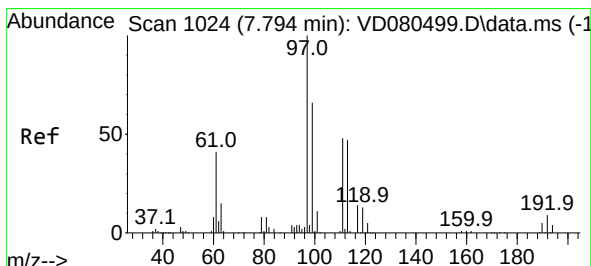
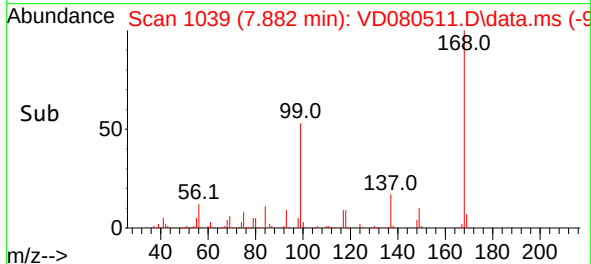
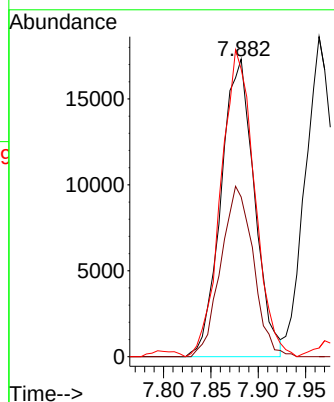
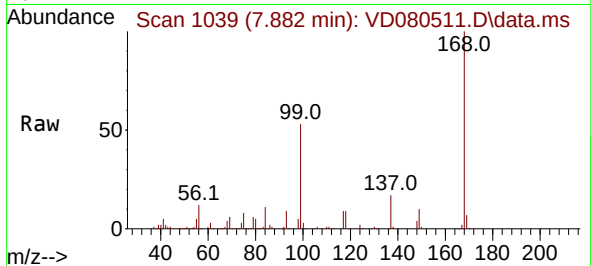




#31
Cyclohexane
Concen: 5.455 ug/l
RT: 7.882 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

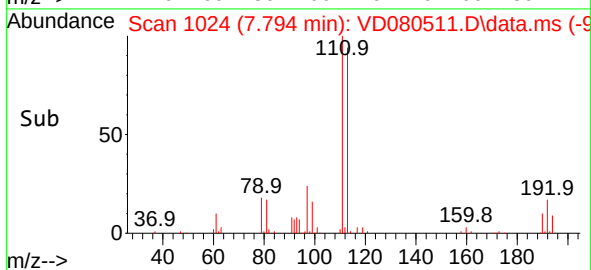
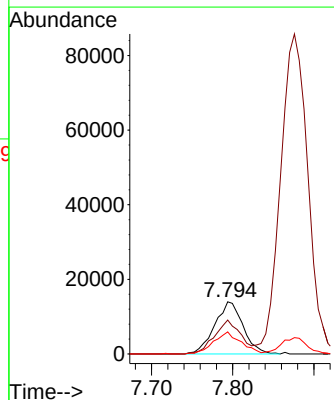
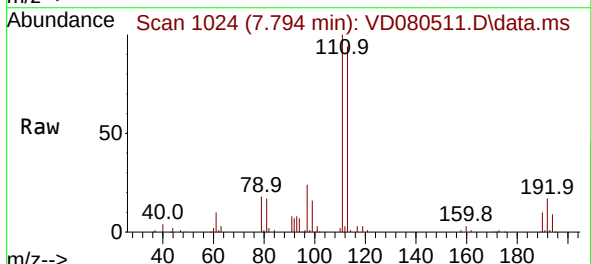
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2025

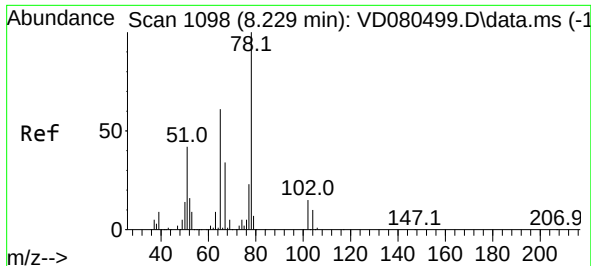
Tgt Ion: 56 Resp: 42332
Ion Ratio Lower Upper
56 100
69 53.6 26.0 39.0#
84 95.7 72.6 108.8



#32
1,1,1-Trichloroethane
Concen: 5.138 ug/l
RT: 7.794 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion: 97 Resp: 33909
Ion Ratio Lower Upper
97 100
99 59.7 51.0 76.4
61 40.5 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 44.790 ug/l

RT: 8.229 min Scan# 1098

Delta R.T. 0.000 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

Instrument :

MSVOA_D

ClientSampleId :

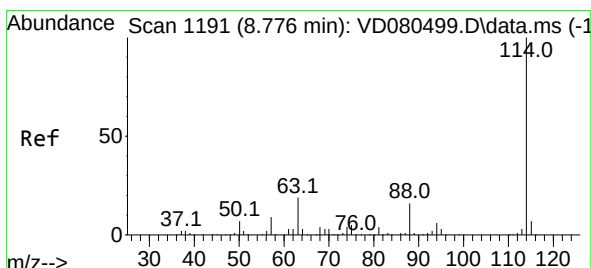
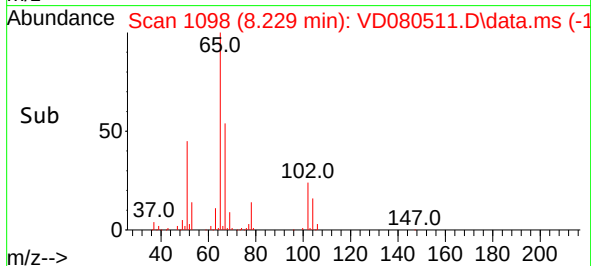
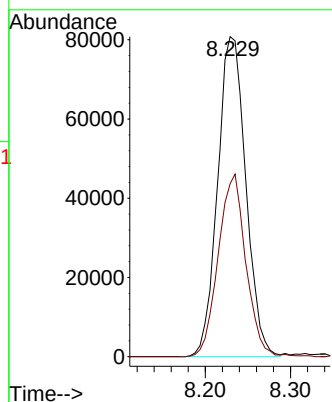
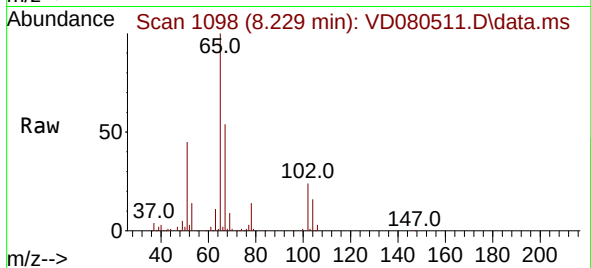
LOQ-SOIL-02-QT3-2025

Tgt Ion: 65 Resp: 185539

Ion Ratio Lower Upper

65 100

67 55.9 0.0 113.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. -0.000 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

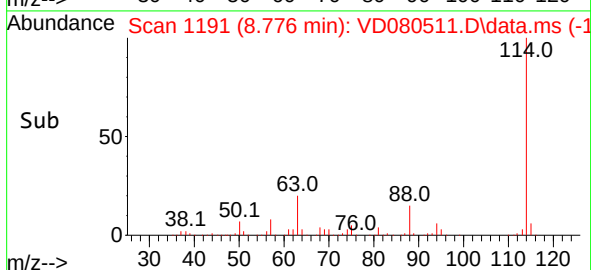
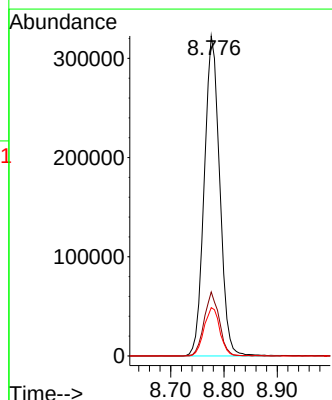
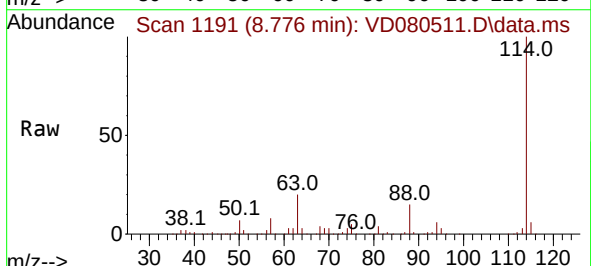
Tgt Ion: 114 Resp: 650974

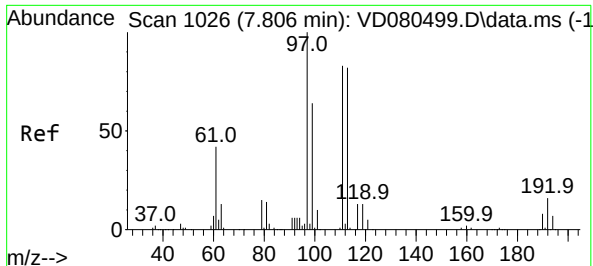
Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.6

88 15.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 43.018 ug/l

RT: 7.806 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2025

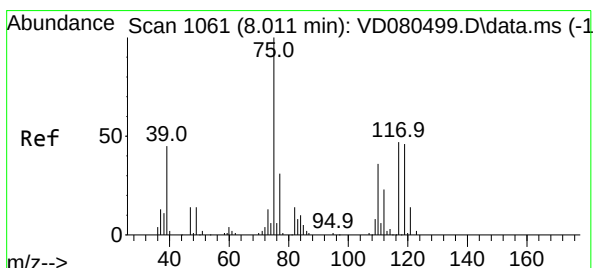
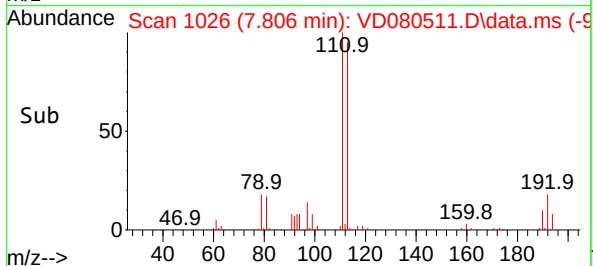
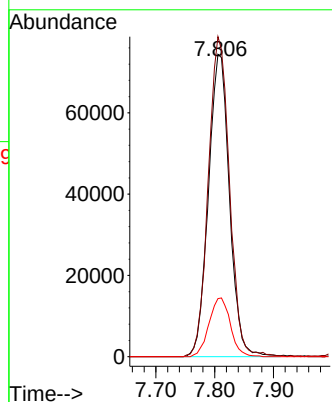
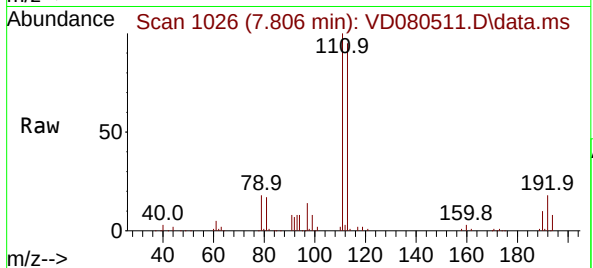
Tgt Ion:113 Resp: 185312

Ion Ratio Lower Upper

113 100

111 106.3 82.0 123.0

192 19.7 14.9 22.3



#36

1,1-Dichloropropene

Concen: 5.040 ug/l

RT: 8.011 min Scan# 1061

Delta R.T. 0.000 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

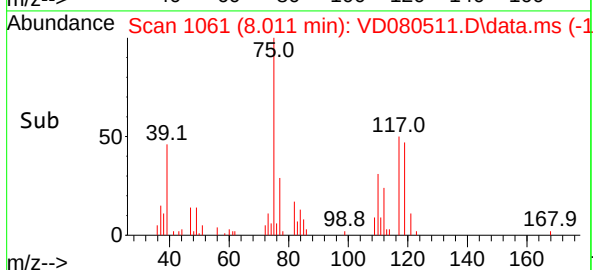
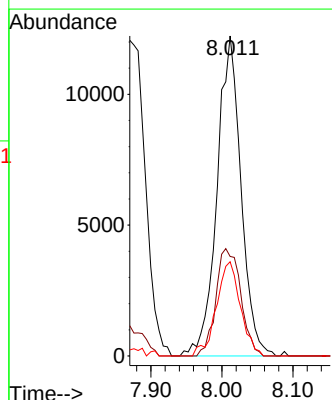
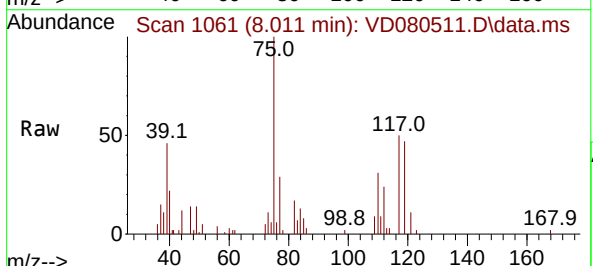
Tgt Ion: 75 Resp: 28752

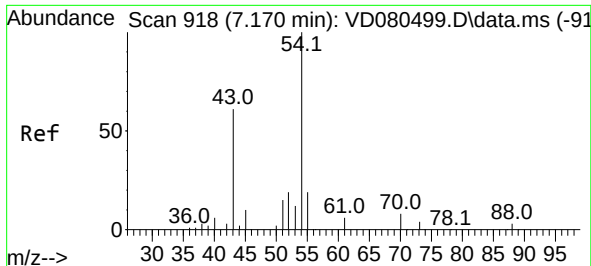
Ion Ratio Lower Upper

75 100

110 34.7 18.1 54.1

77 29.4 25.7 38.5





#37

Ethyl Acetate

Concen: 5.644 ug/l

RT: 7.176 min Scan# 918

Delta R.T. 0.006 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2025

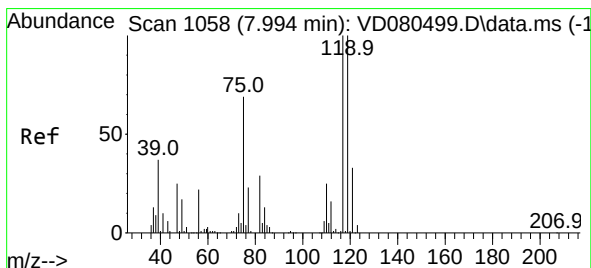
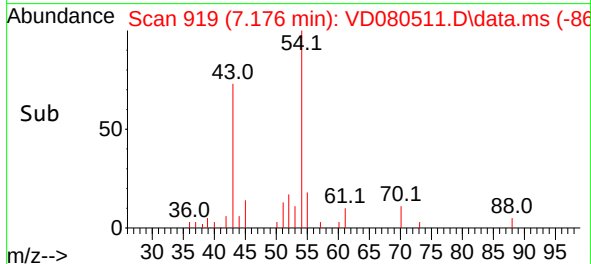
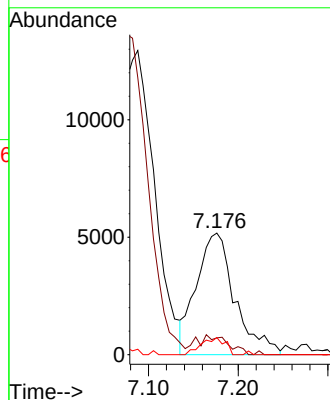
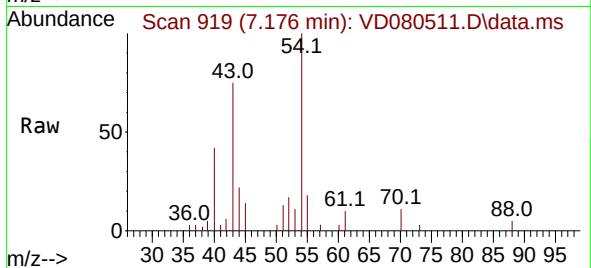
Tgt Ion: 43 Resp: 15482

Ion Ratio Lower Upper

43 100

61 13.1 11.8 17.8

70 8.6 9.0 13.4#



#38

Carbon Tetrachloride

Concen: 5.180 ug/l

RT: 7.994 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

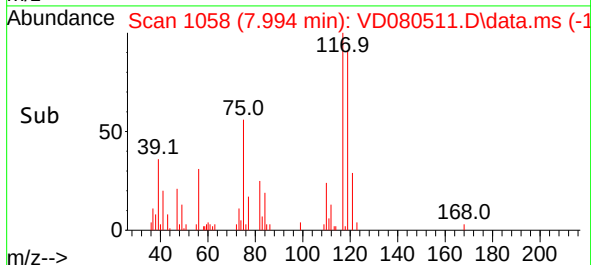
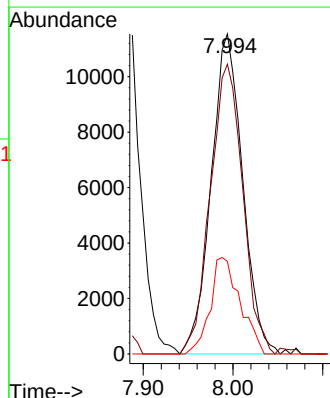
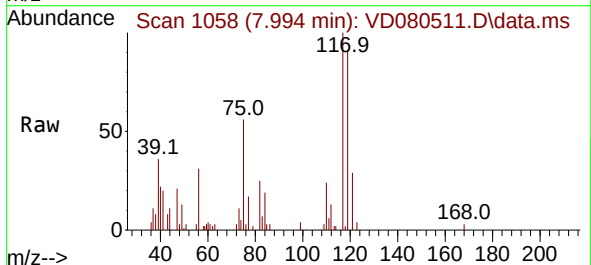
Tgt Ion: 117 Resp: 28126

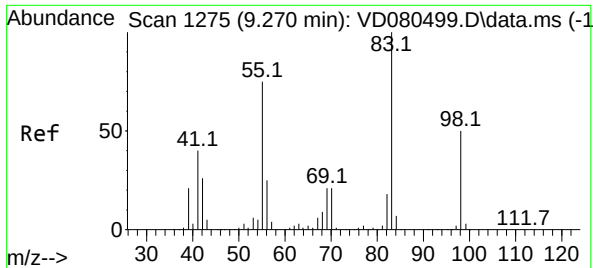
Ion Ratio Lower Upper

117 100

119 90.5 80.2 120.2

121 29.0 26.8 40.2





#39

Methylcyclohexane

Concen: 5.030 ug/l

RT: 9.276 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2025

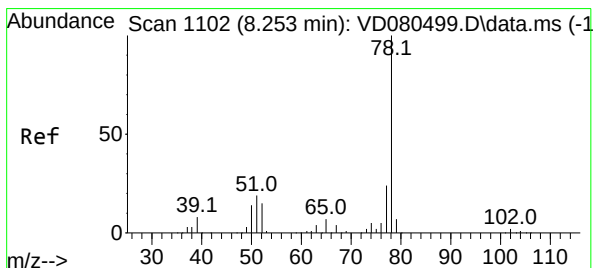
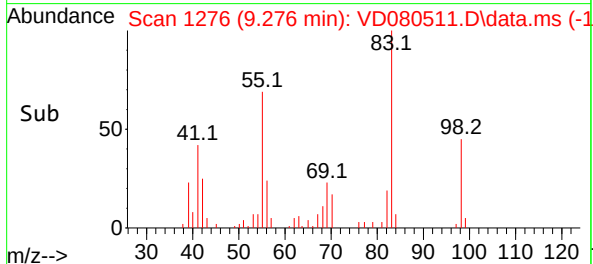
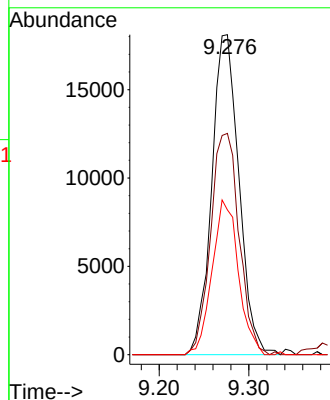
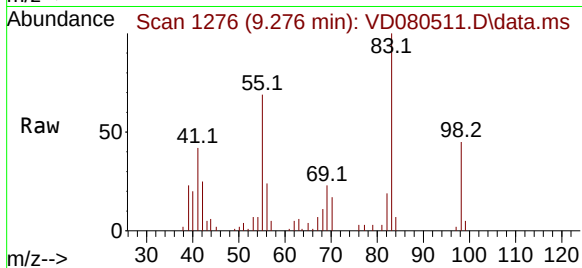
Tgt Ion: 83 Resp: 38195

Ion Ratio Lower Upper

83 100

55 69.1 60.4 90.6

98 45.3 39.8 59.6



#40

Benzene

Concen: 4.935 ug/l

RT: 8.253 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VD080511.D

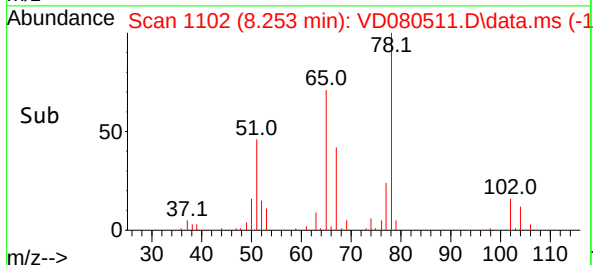
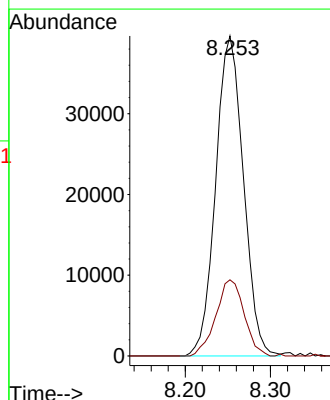
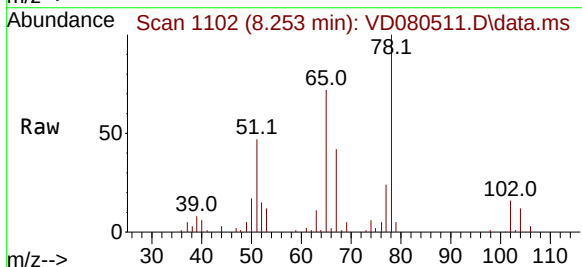
Acq: 04 Sep 2025 12:43

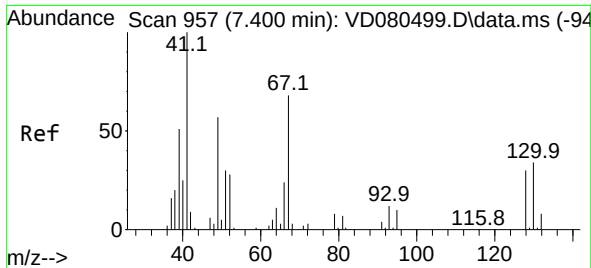
Tgt Ion: 78 Resp: 89603

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6

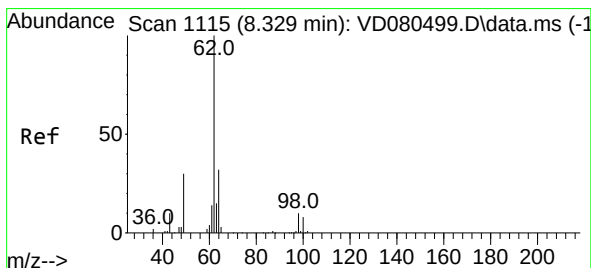
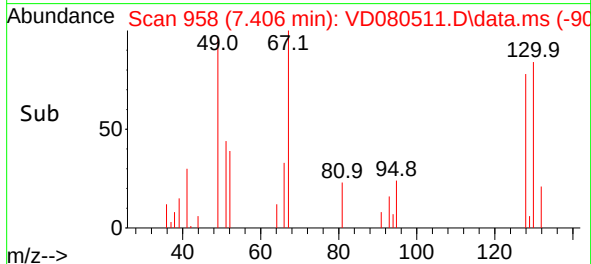
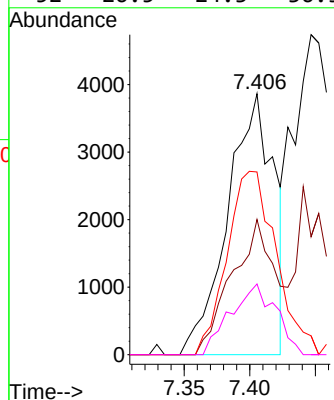
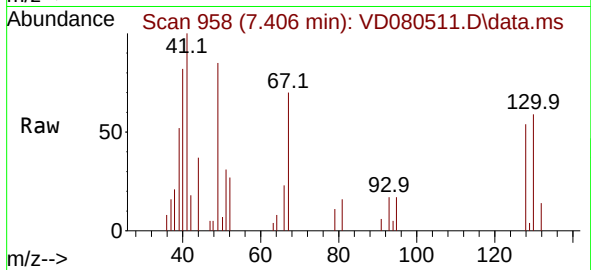




#41
Methacrylonitrile
Concen: 5.816 ug/l
RT: 7.406 min Scan# 911
Delta R.T. 0.006 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

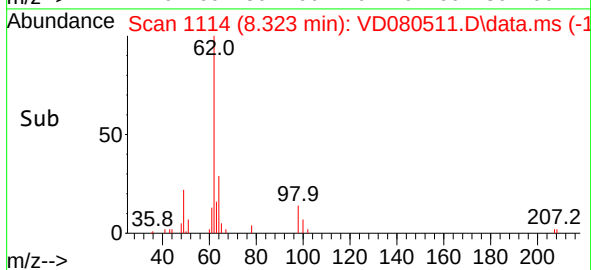
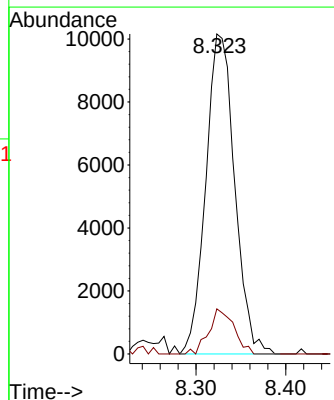
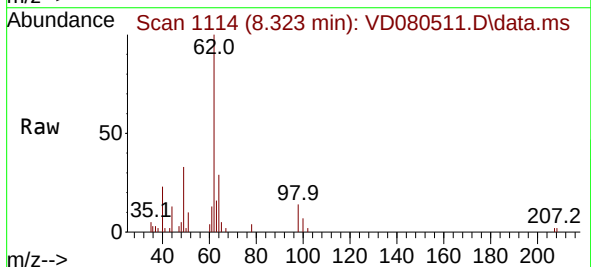
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2025

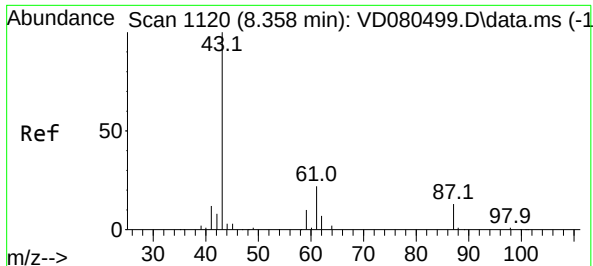
Tgt Ion: 41 Resp: 9472
Ion Ratio Lower Upper
41 100
39 49.9 50.1 75.1#
67 74.9 60.8 91.2
52 26.5 24.3 36.5



#42
1,2-Dichloroethane
Concen: 5.167 ug/l
RT: 8.323 min Scan# 1114
Delta R.T. -0.006 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion: 62 Resp: 22722
Ion Ratio Lower Upper
62 100
98 12.2 0.0 22.0

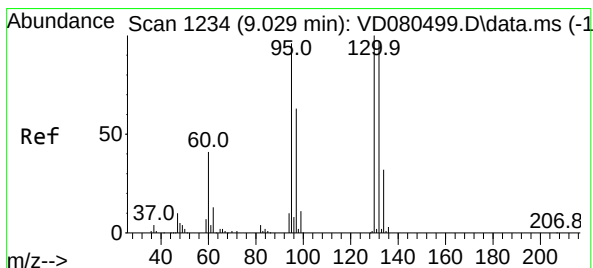
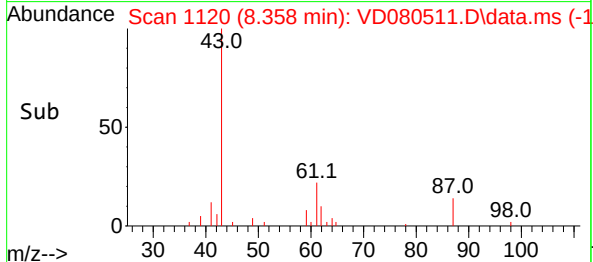
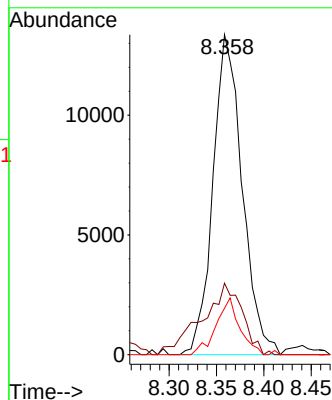
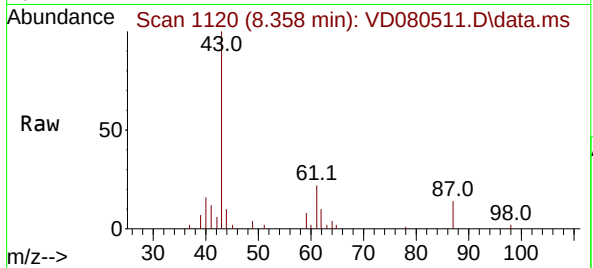




#43
Isopropyl Acetate
Concen: 5.143 ug/l
RT: 8.358 min Scan# 1120
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

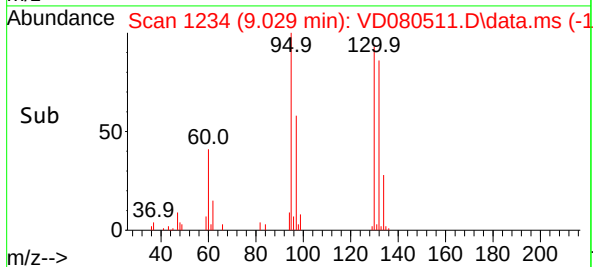
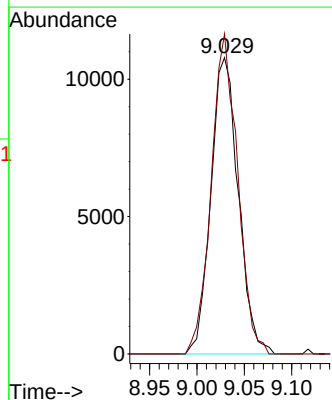
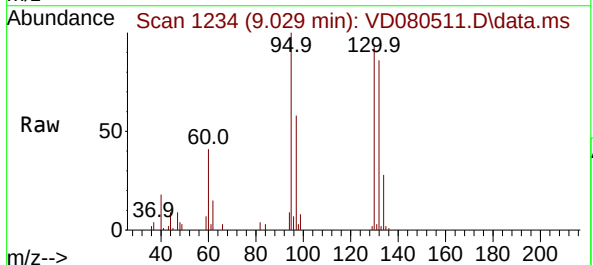
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT3-2025

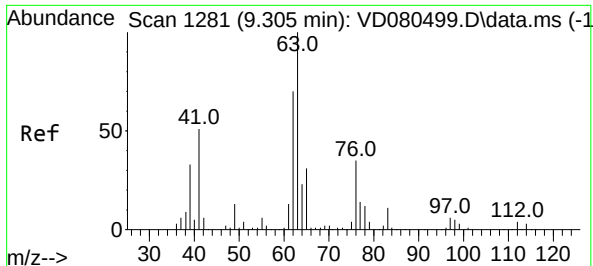
Tgt Ion: 43 Resp: 28705
Ion Ratio Lower Upper
43 100
61 30.8 24.3 36.5
87 14.3 10.9 16.3



#44
Trichloroethene
Concen: 4.933 ug/l
RT: 9.029 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion:130 Resp: 21726
Ion Ratio Lower Upper
130 100
95 108.0 0.0 191.8





#45

1,2-Dichloropropane

Concen: 4.879 ug/l

RT: 9.305 min Scan# 1281

Delta R.T. -0.000 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

Instrument :

MSVOA_D

ClientSampleId :

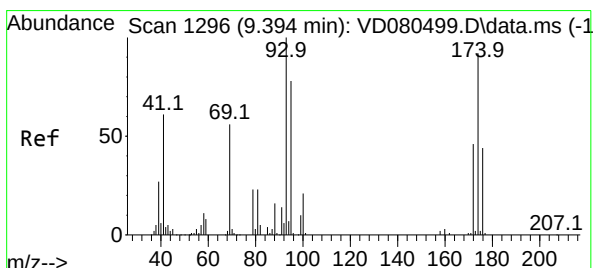
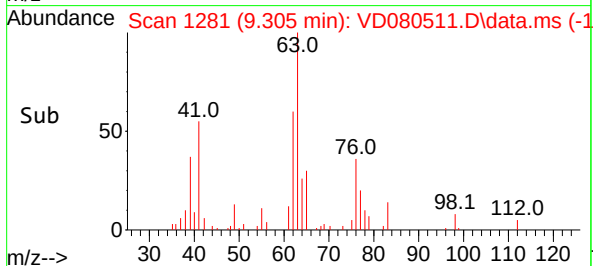
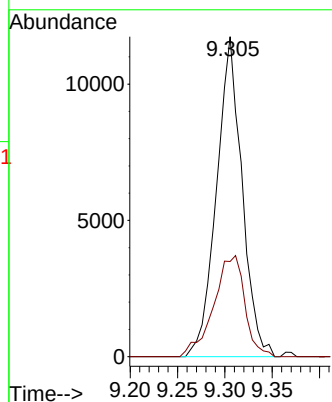
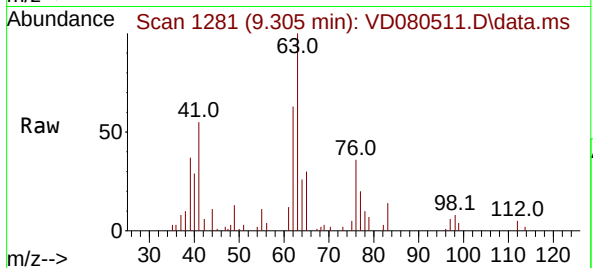
LOQ-SOIL-02-QT3-2025

Tgt Ion: 63 Resp: 21966

Ion Ratio Lower Upper

63 100

65 29.7 24.9 37.3



#46

Dibromomethane

Concen: 5.362 ug/l

RT: 9.394 min Scan# 1296

Delta R.T. -0.000 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

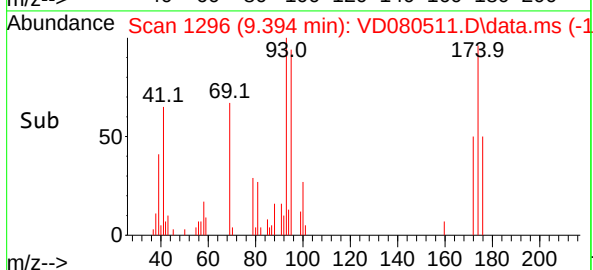
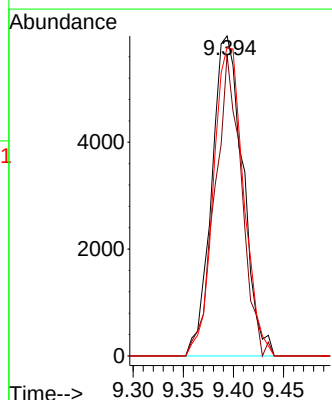
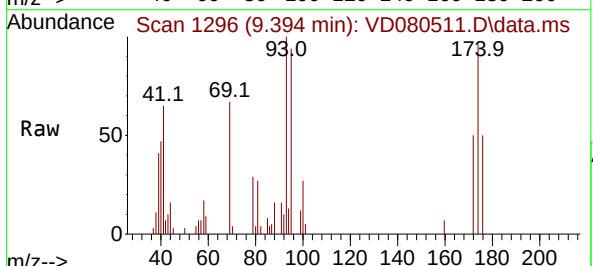
Tgt Ion: 93 Resp: 12934

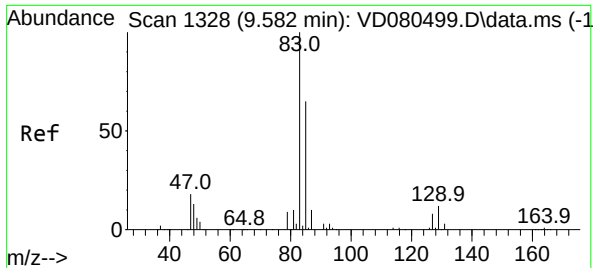
Ion Ratio Lower Upper

93 100

95 80.9 66.3 99.5

174 93.4 74.8 112.2

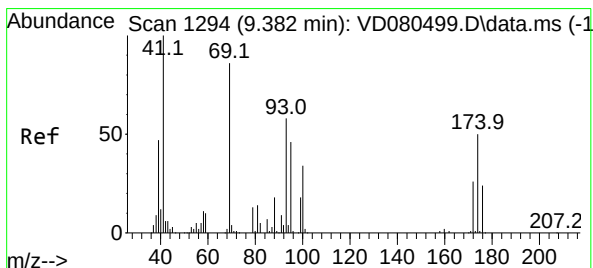
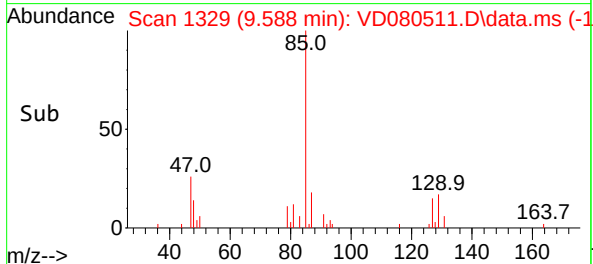
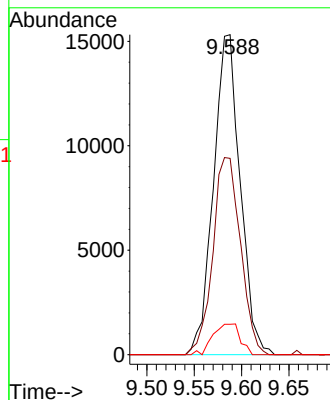
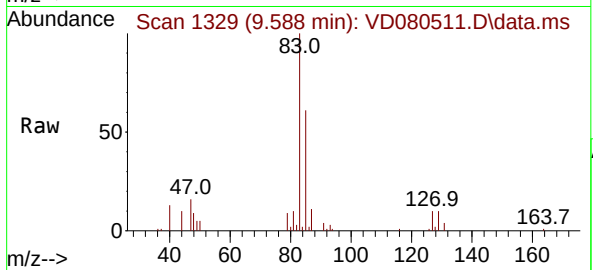




#47
Bromodichloromethane
Concen: 5.106 ug/l
RT: 9.588 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

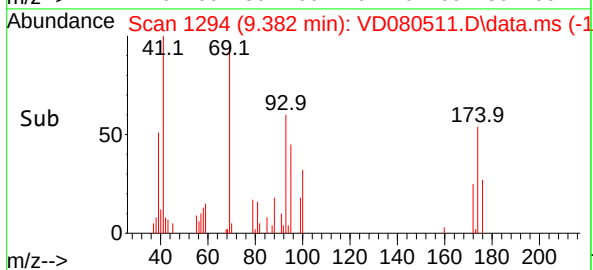
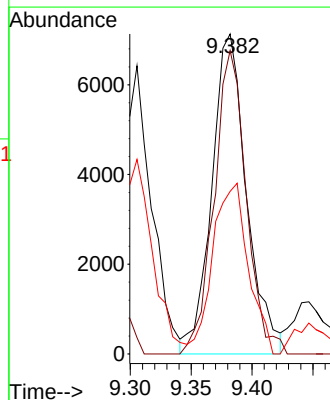
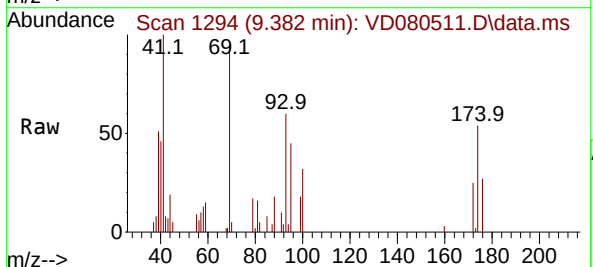
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2025

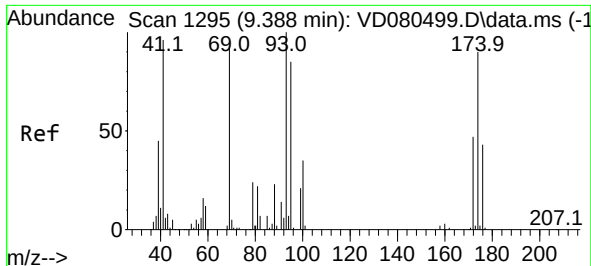
Tgt Ion:	83	Resp:	30027
Ion	Ratio	Lower	Upper
83	100		
85	61.4	52.2	78.2
127	9.5	6.6	9.8



#48
Methyl methacrylate
Concen: 5.120 ug/l
RT: 9.382 min Scan# 1294
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion:	41	Resp:	14165
Ion	Ratio	Lower	Upper
41	100		
69	87.8	68.7	103.1
39	54.5	36.5	54.7





#49

1,4-Dioxane

Concen: 105.595 ug/l

RT: 9.388 min Scan# 1295

Delta R.T. -0.000 min

Lab File: VD080511.D

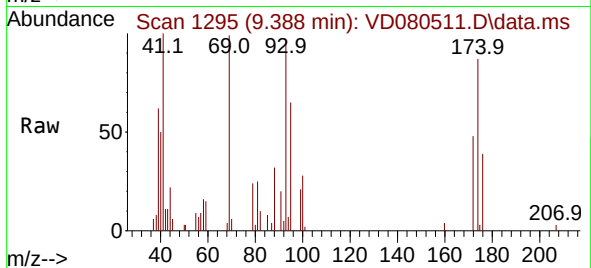
Acq: 04 Sep 2025 12:43

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2025



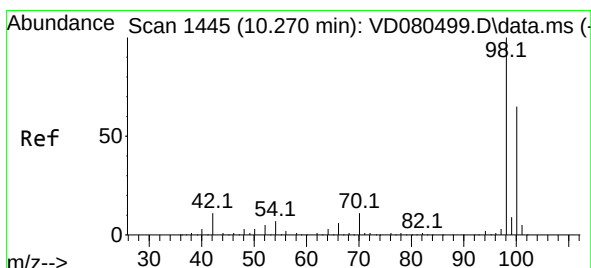
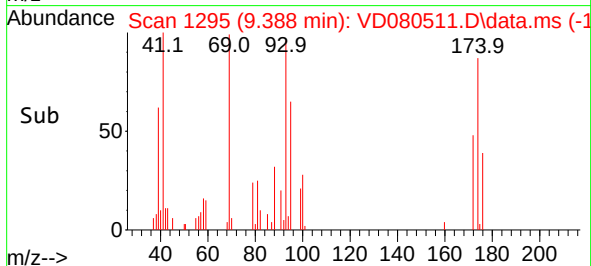
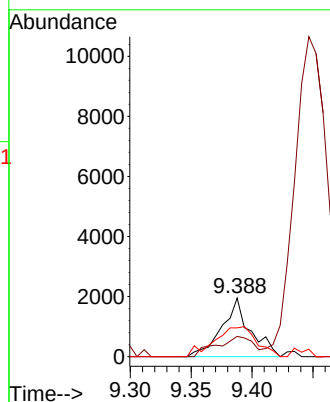
Tgt Ion: 88 Resp: 3149

Ion Ratio Lower Upper

88 100

43 44.4 26.1 39.1#

58 75.4 54.2 81.2



#50

Toluene-d8

Concen: 44.314 ug/l

RT: 10.270 min Scan# 1445

Delta R.T. 0.000 min

Lab File: VD080511.D

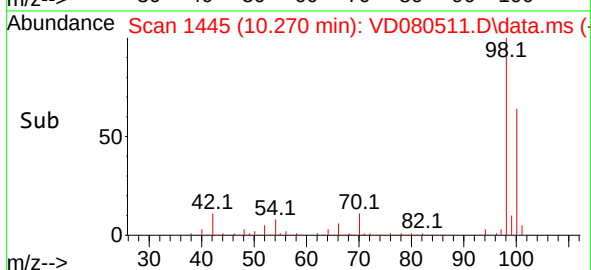
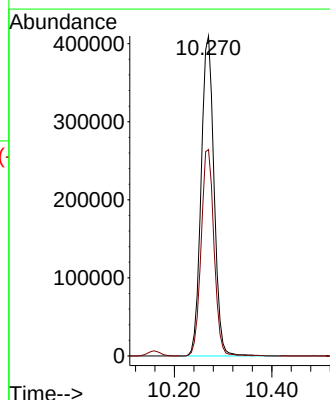
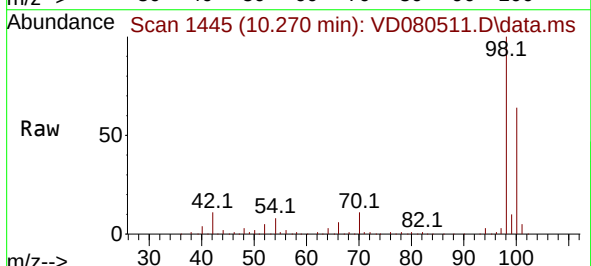
Acq: 04 Sep 2025 12:43

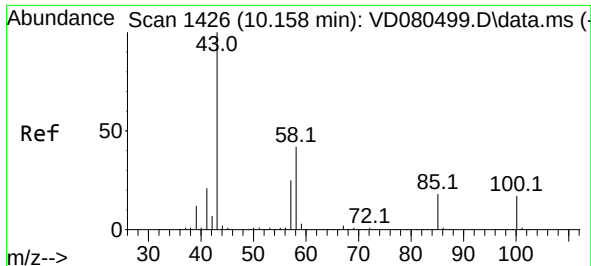
Tgt Ion: 98 Resp: 753555

Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.6

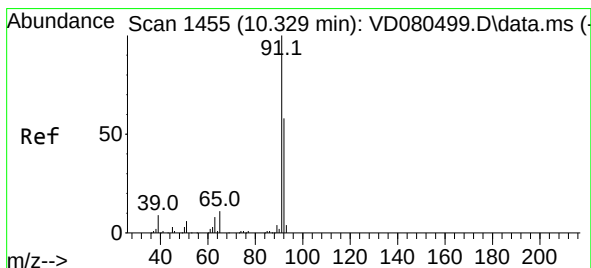
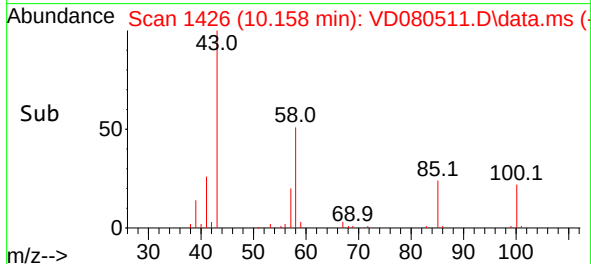
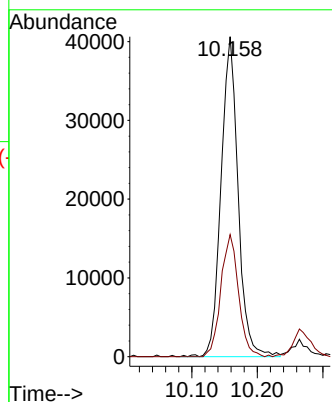
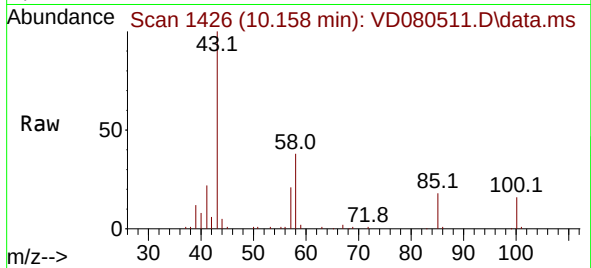




#51
4-Methyl-2-Pentanone
Concen: 26.260 ug/l
RT: 10.158 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

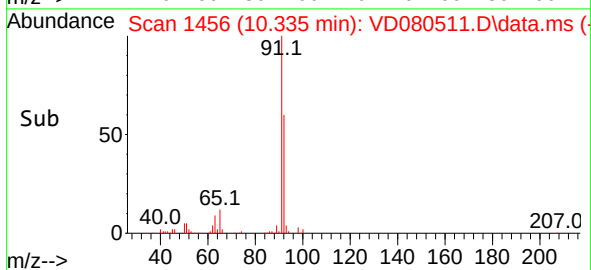
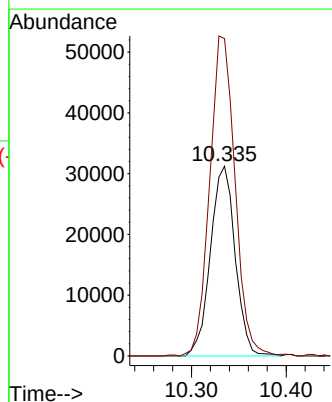
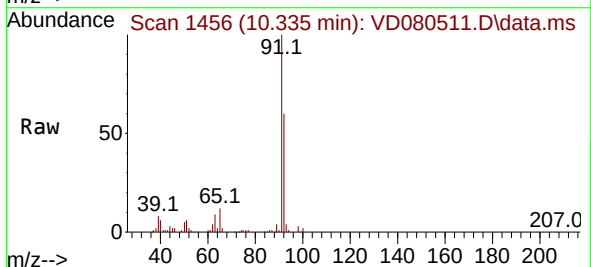
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2025

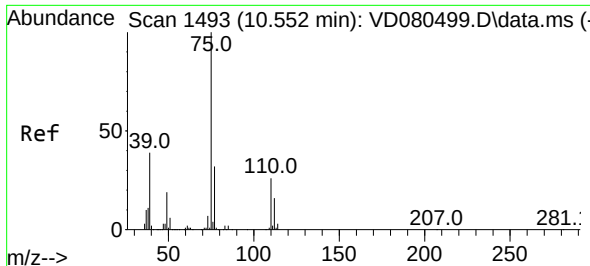
Tgt Ion: 43 Resp: 73093
Ion Ratio Lower Upper
43 100
58 39.5 32.8 49.2



#52
Toluene
Concen: 5.007 ug/l
RT: 10.335 min Scan# 1456
Delta R.T. 0.006 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion: 92 Resp: 56685
Ion Ratio Lower Upper
92 100
91 172.9 138.8 208.2

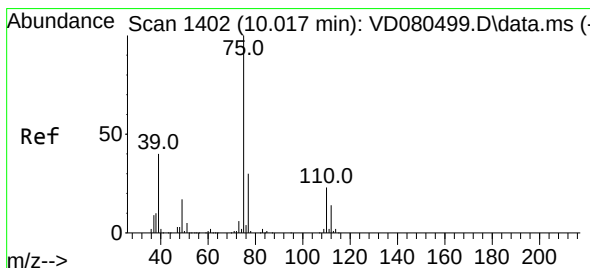
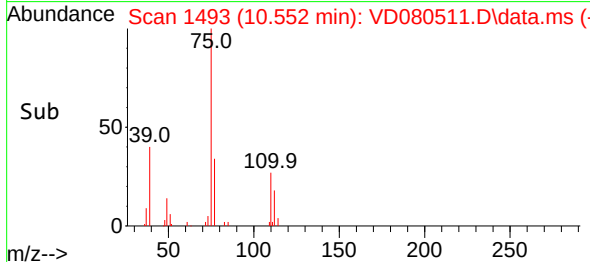
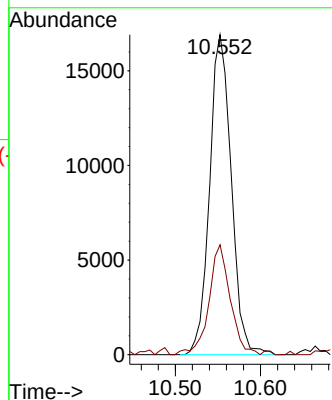
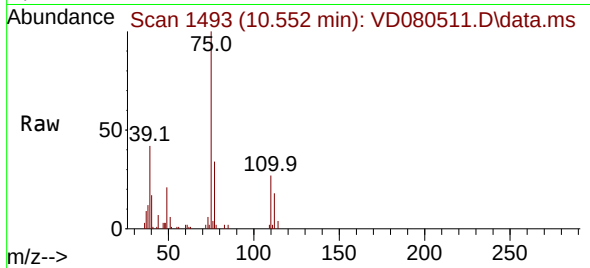




#53
t-1,3-Dichloropropene
Concen: 4.989 ug/l
RT: 10.552 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

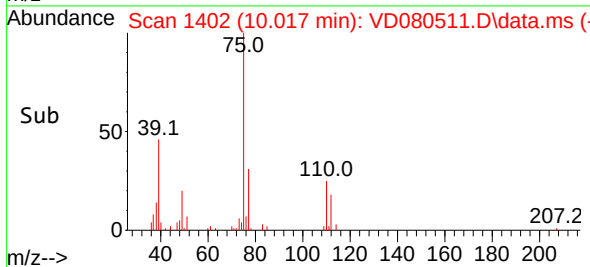
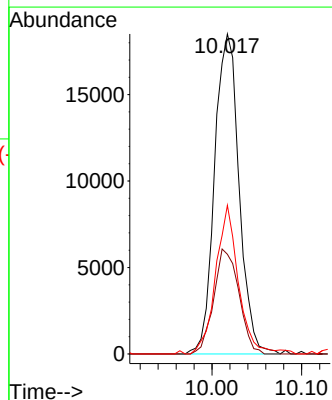
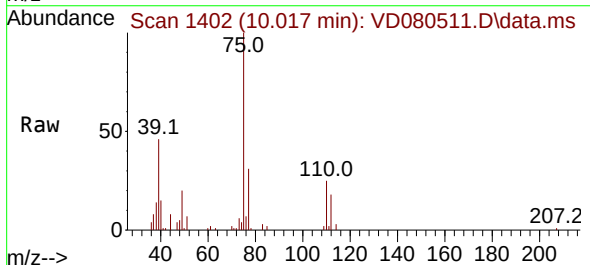
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2025

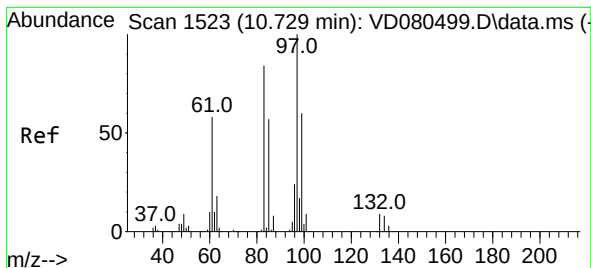
Tgt Ion: 75 Resp: 29902
Ion Ratio Lower Upper
75 100
77 34.3 25.9 38.9



#54
cis-1,3-Dichloropropene
Concen: 4.897 ug/l
RT: 10.017 min Scan# 1402
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion: 75 Resp: 35096
Ion Ratio Lower Upper
75 100
77 31.2 24.2 36.4
39 45.5 31.8 47.6





#55

1,1,2-Trichloroethane

Concen: 5.028 ug/l

RT: 10.729 min Scan# 1523

Delta R.T. -0.000 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2025

Tgt Ion: 97 Resp: 16261

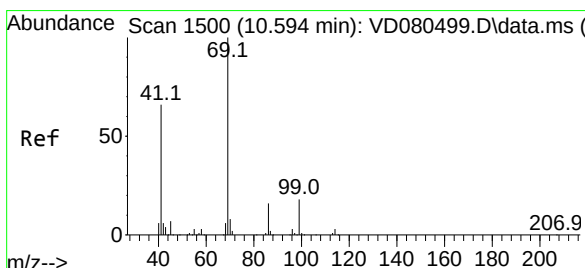
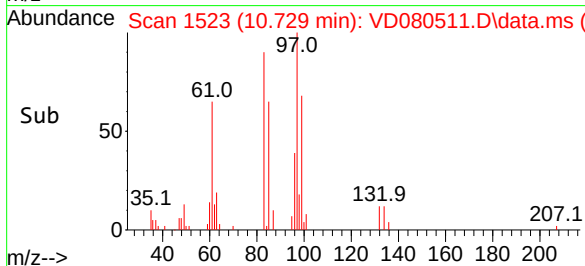
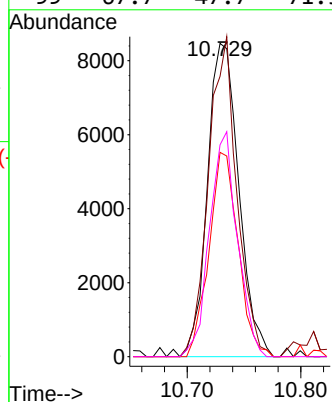
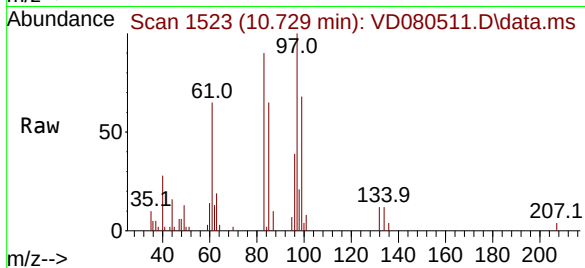
Ion Ratio Lower Upper

97 100

83 89.5 67.0 100.6

85 65.2 45.6 68.4

99 67.7 47.7 71.5



#56

Ethyl methacrylate

Concen: 5.019 ug/l

RT: 10.594 min Scan# 1500

Delta R.T. -0.000 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

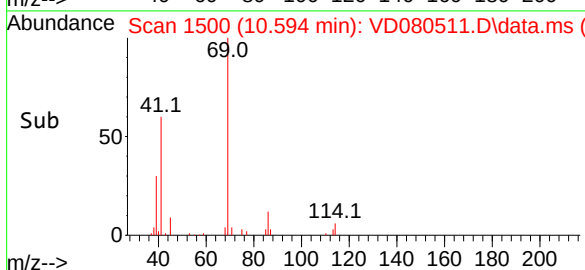
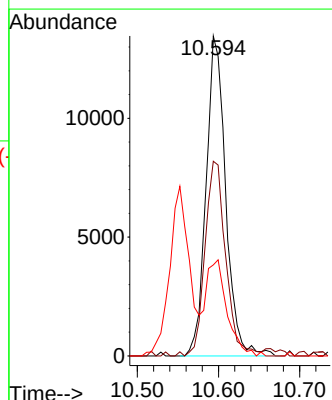
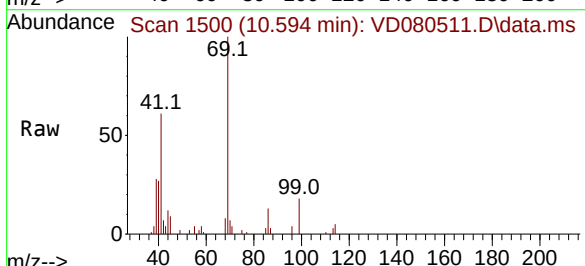
Tgt Ion: 69 Resp: 22614

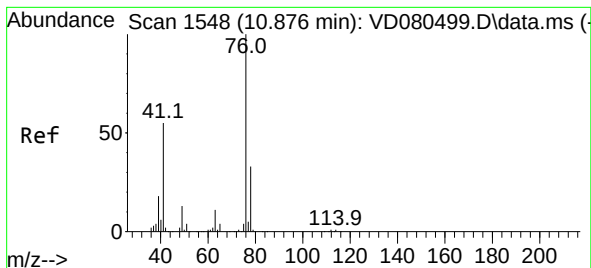
Ion Ratio Lower Upper

69 100

41 64.3 51.9 77.9

39 32.5 23.6 35.4





#57

1,3-Dichloropropane

Concen: 5.210 ug/l

RT: 10.882 min Scan# 1549

Delta R.T. 0.006 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

Instrument :

MSVOA_D

ClientSampleId :

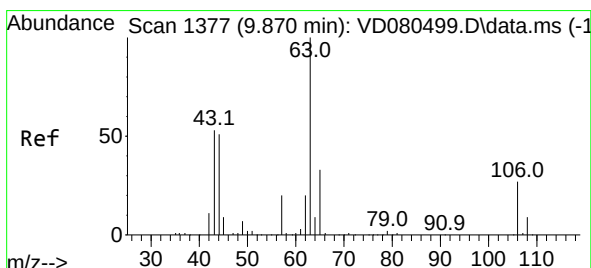
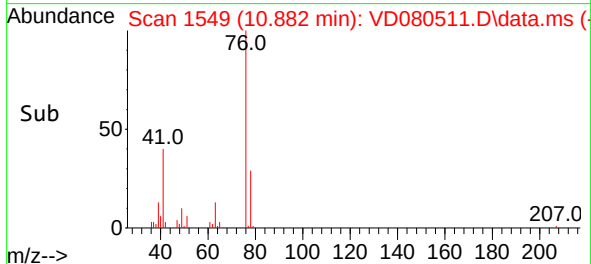
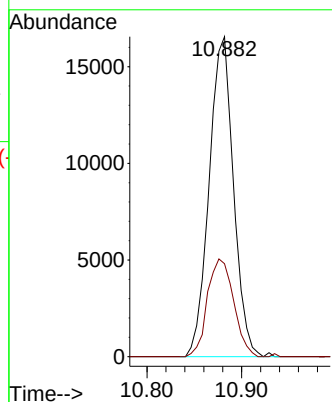
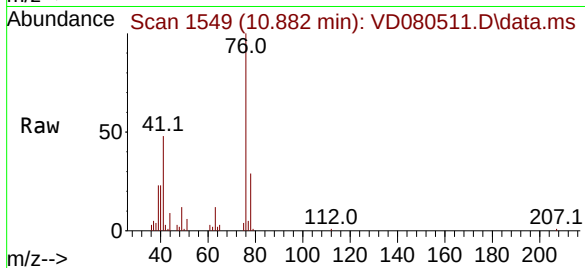
LOQ-SOIL-02-QT3-2025

Tgt Ion: 76 Resp: 29573

Ion Ratio Lower Upper

76 100

78 32.9 26.9 40.3



#58

2-Chloroethyl Vinyl ether

Concen: 23.995 ug/l

RT: 9.870 min Scan# 1377

Delta R.T. -0.000 min

Lab File: VD080511.D

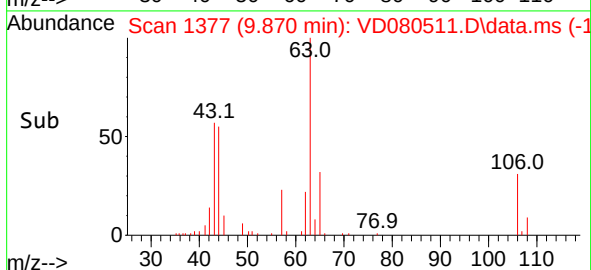
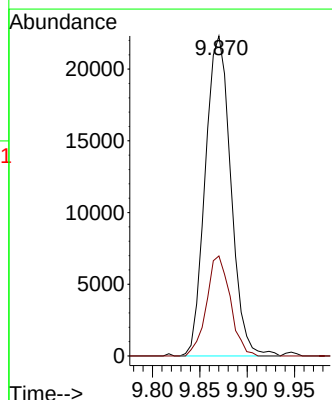
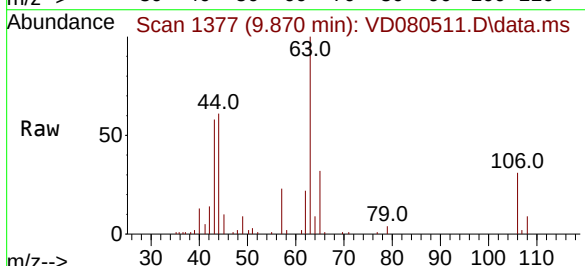
Acq: 04 Sep 2025 12:43

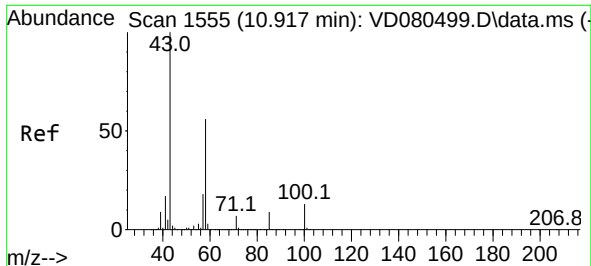
Tgt Ion: 63 Resp: 41841

Ion Ratio Lower Upper

63 100

106 29.0 22.1 33.1

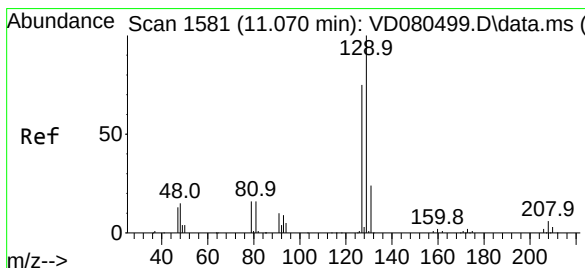
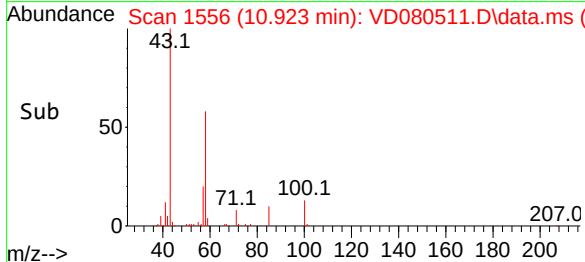
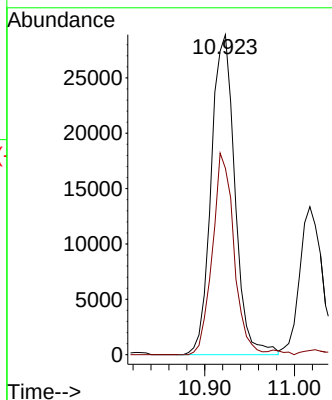
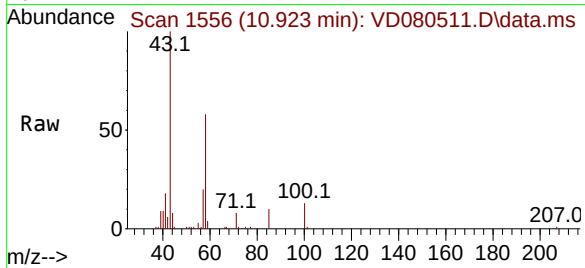




#59
2-Hexanone
Concen: 26.754 ug/l
RT: 10.923 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

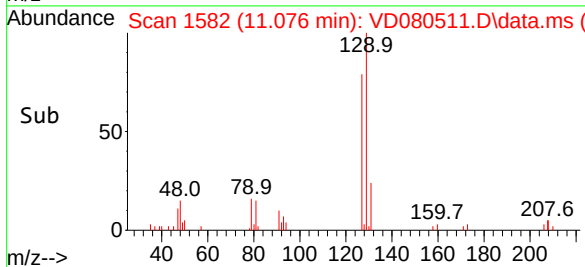
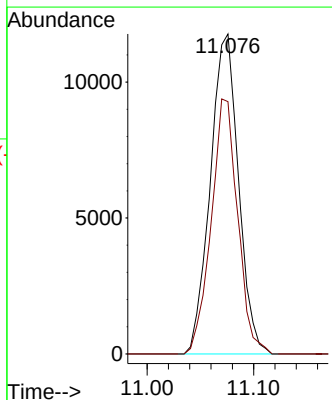
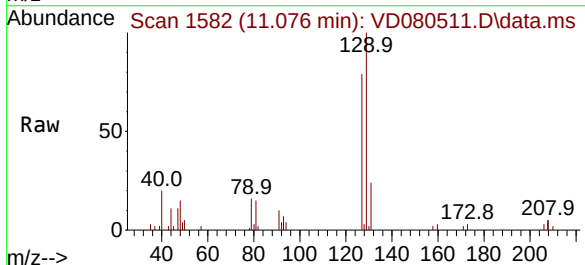
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2025

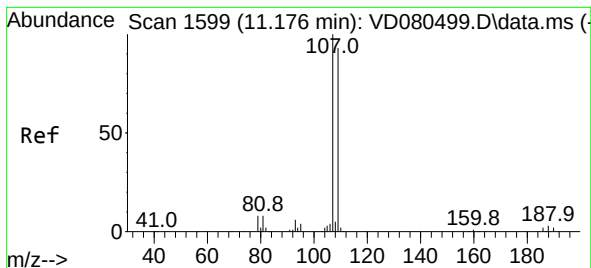
Tgt Ion: 43 Resp: 52913
Ion Ratio Lower Upper
43 100
58 57.2 28.3 85.0



#60
Dibromochloromethane
Concen: 5.311 ug/l
RT: 11.076 min Scan# 1582
Delta R.T. 0.006 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion: 129 Resp: 21649
Ion Ratio Lower Upper
129 100
127 74.9 38.6 115.7

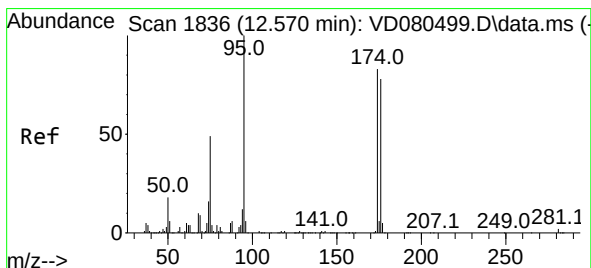
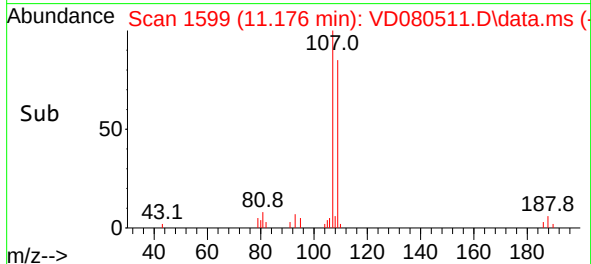
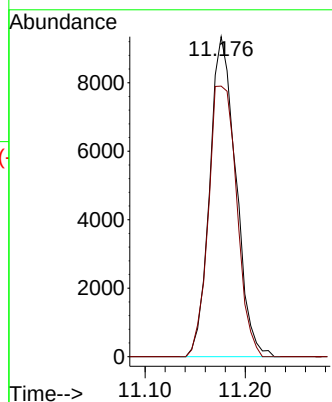
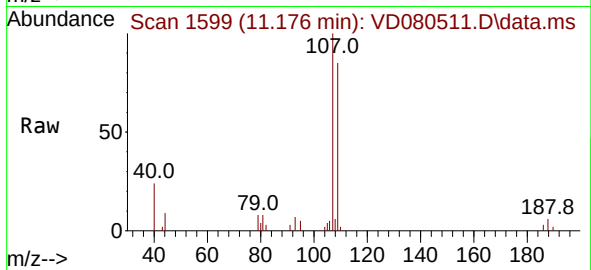




#61
1,2-Dibromoethane
Concen: 5.515 ug/l
RT: 11.176 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

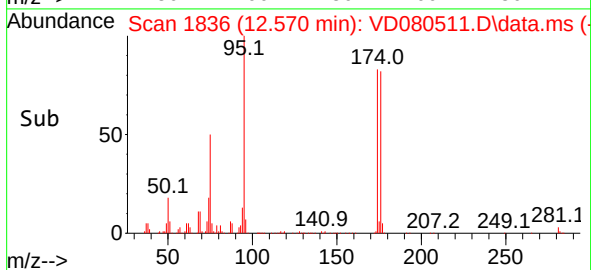
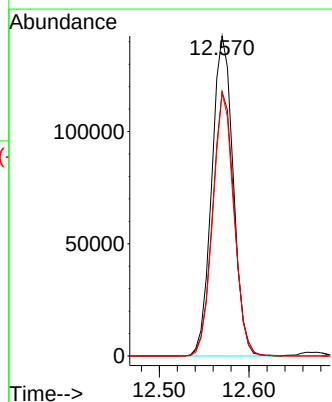
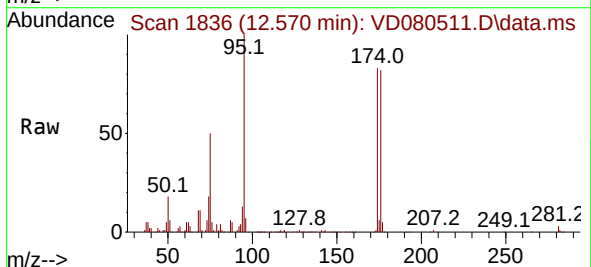
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2025

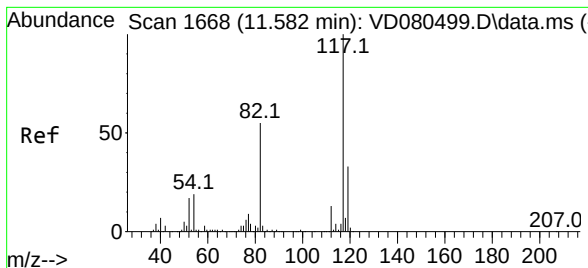
Tgt Ion:107 Resp: 16972
Ion Ratio Lower Upper
107 100
109 91.3 74.9 112.3



#62
4-Bromofluorobenzene
Concen: 42.643 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion: 95 Resp: 236165
Ion Ratio Lower Upper
95 100
174 83.2 0.0 162.6
176 80.6 0.0 156.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.576 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2025

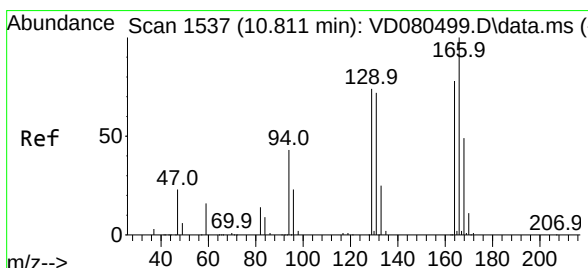
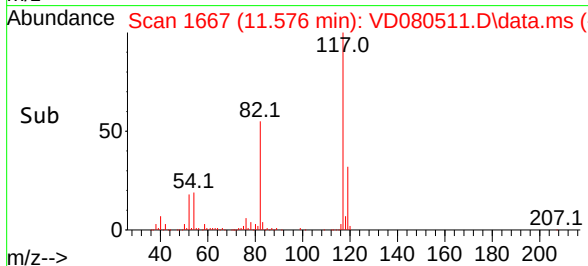
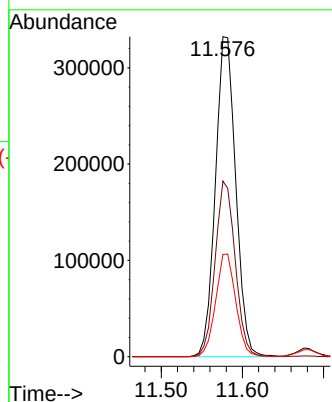
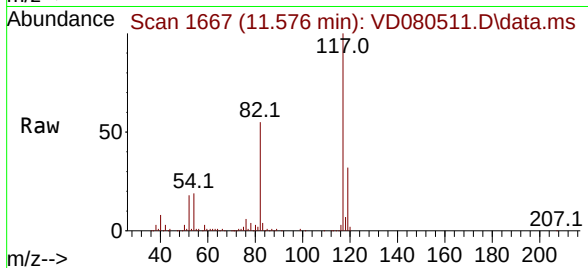
Tgt Ion:117 Resp: 579690

Ion Ratio Lower Upper

117 100

82 54.8 43.8 65.6

119 32.0 26.1 39.1



#64

Tetrachloroethene

Concen: 5.478 ug/l

RT: 10.811 min Scan# 1537

Delta R.T. -0.000 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

Tgt Ion:164 Resp: 19612

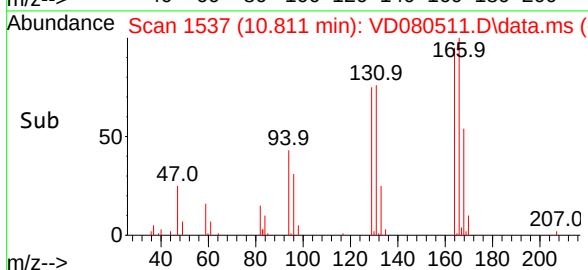
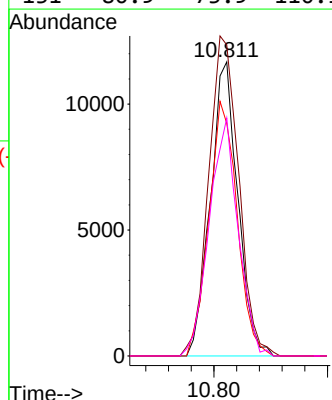
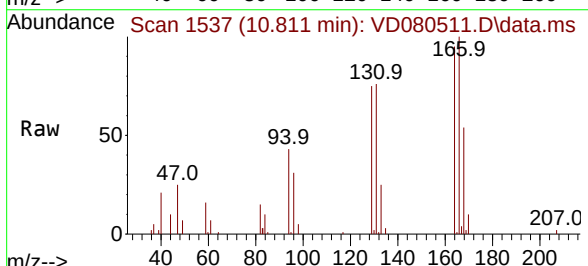
Ion Ratio Lower Upper

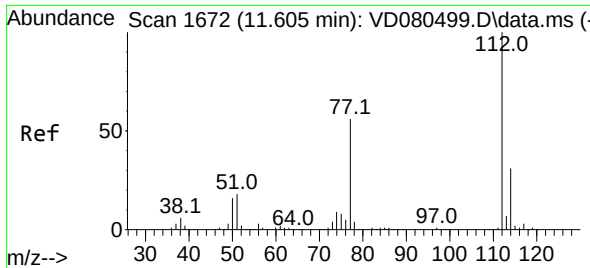
164 100

166 105.8 103.1 154.7

129 79.0 76.2 114.2

131 80.9 73.9 110.9

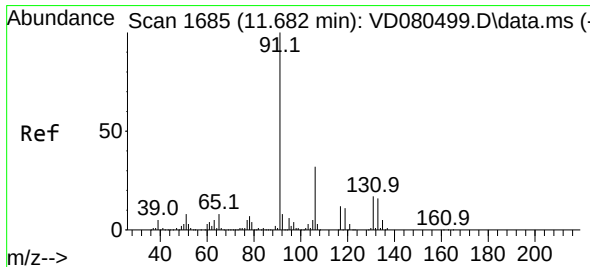
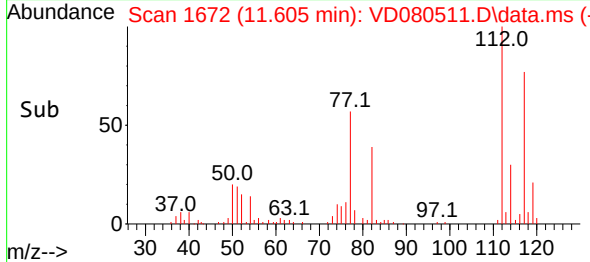
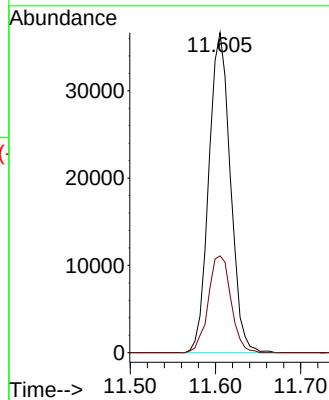
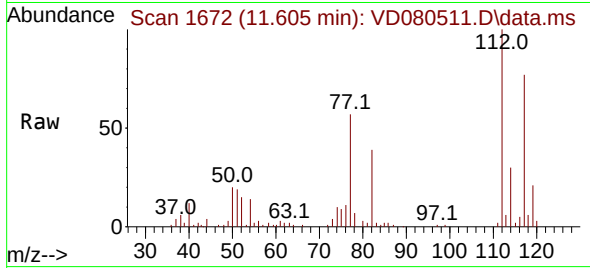




#65
Chlorobenzene
Concen: 5.216 ug/l
RT: 11.605 min Scan# 1672
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

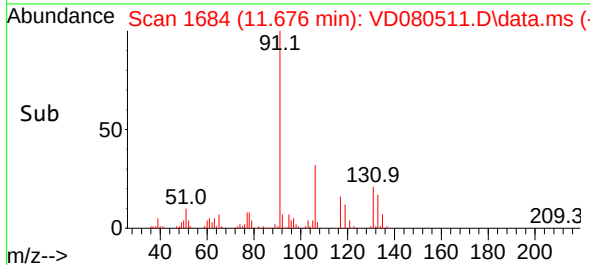
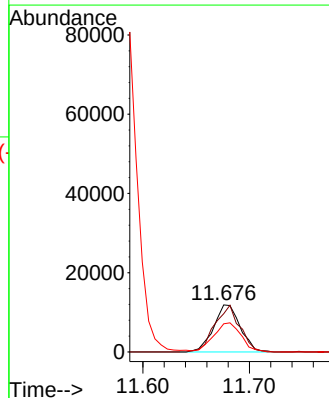
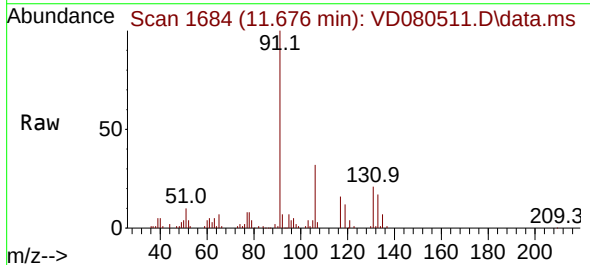
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2025

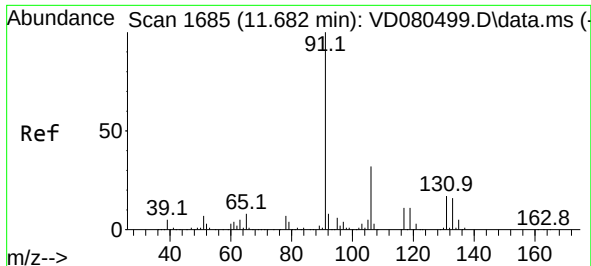
Tgt Ion:112 Resp: 64439
Ion Ratio Lower Upper
112 100
114 30.3 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 5.222 ug/l
RT: 11.676 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion:131 Resp: 20574
Ion Ratio Lower Upper
131 100
133 94.0 47.8 143.3
119 63.8 34.6 103.9

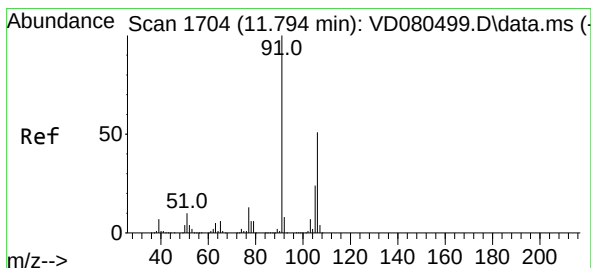
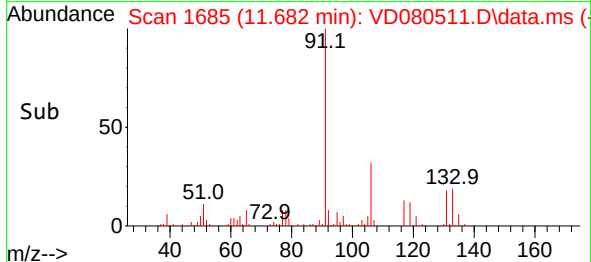
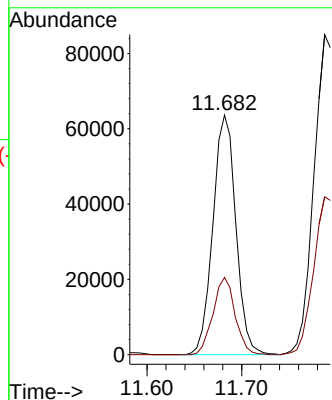
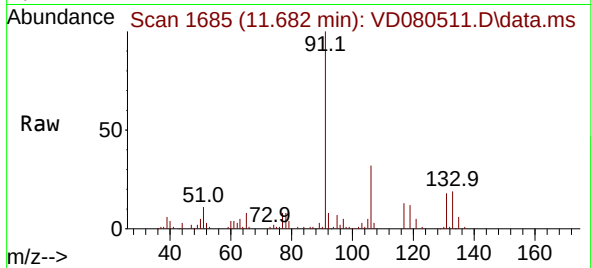




#67
Ethyl Benzene
Concen: 5.023 ug/l
RT: 11.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

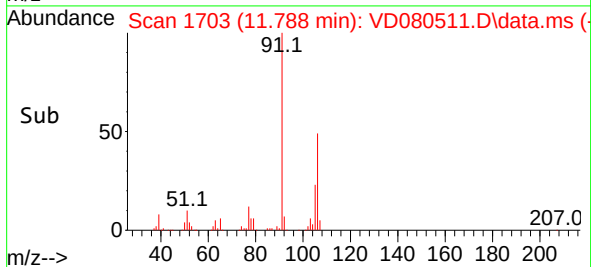
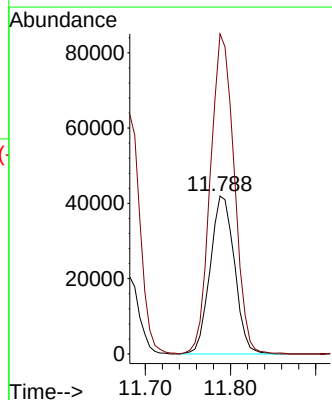
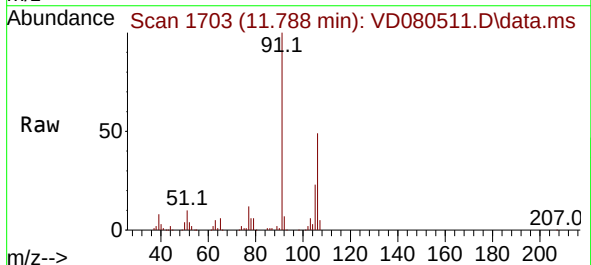
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2025

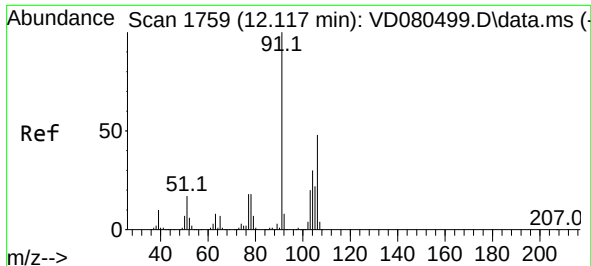
Tgt Ion: 91 Resp: 107389
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.0



#68
m/p-Xylenes
Concen: 10.099 ug/l
RT: 11.788 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion:106 Resp: 83138
Ion Ratio Lower Upper
106 100
91 198.9 158.5 237.7

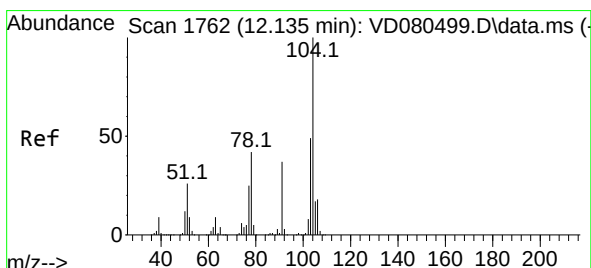
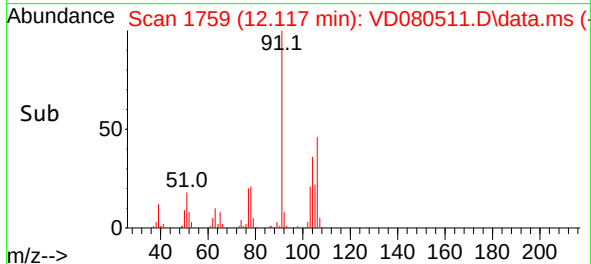
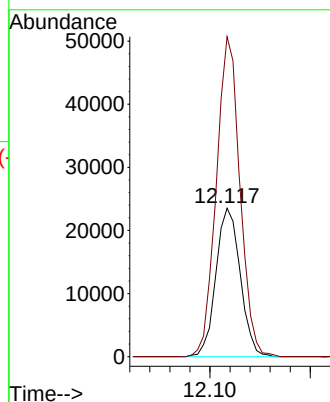
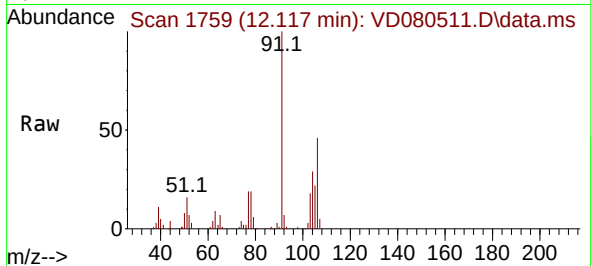




#69
o-Xylene
Concen: 5.038 ug/l
RT: 12.117 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

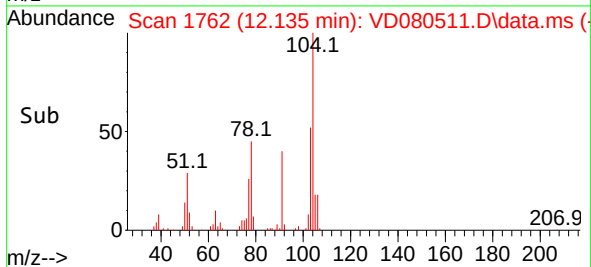
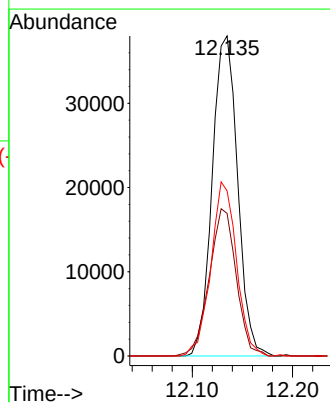
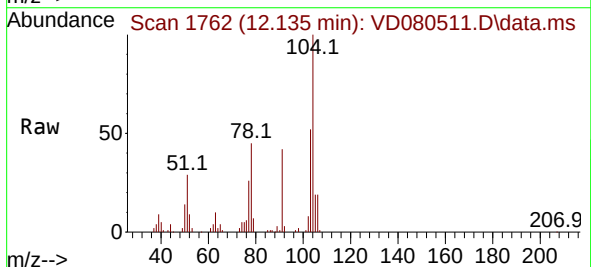
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2025

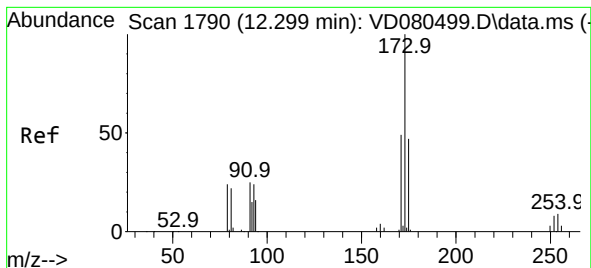
Tgt Ion:106 Resp: 39580
Ion Ratio Lower Upper
106 100
91 209.6 105.3 315.8



#70
Styrene
Concen: 4.998 ug/l
RT: 12.135 min Scan# 1762
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion:104 Resp: 66803
Ion Ratio Lower Upper
104 100
78 48.8 37.9 56.9
103 54.9 43.5 65.3





#71

Bromoform

Concen: 5.460 ug/l

RT: 12.294 min Scan# 1790

Delta R.T. -0.006 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

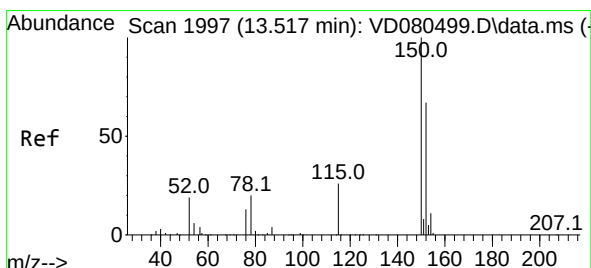
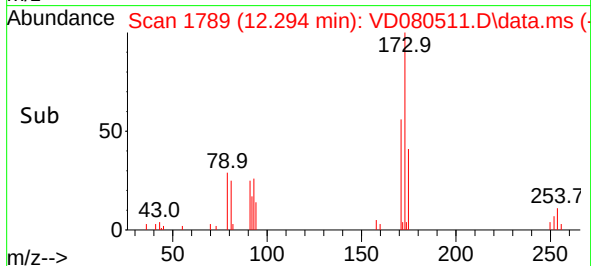
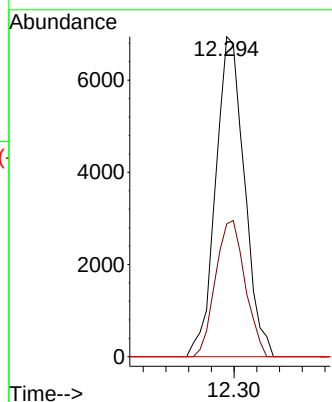
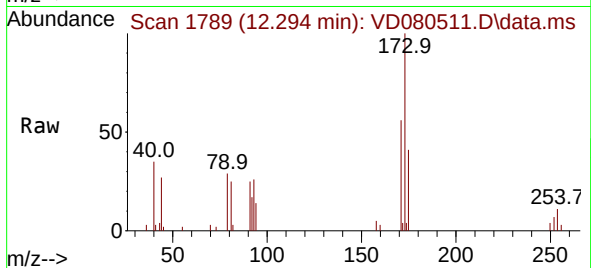
Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2025

Tgt Ion:173	Resp:	12226
Ion Ratio	Lower	Upper
173	100	
175	43.6	23.9 71.7
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

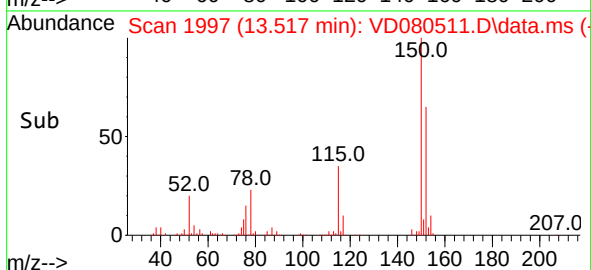
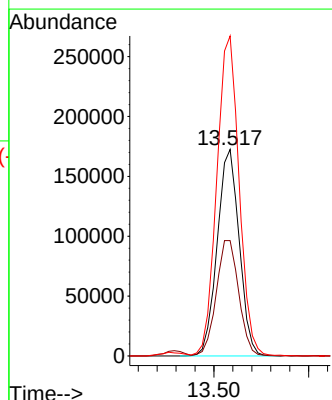
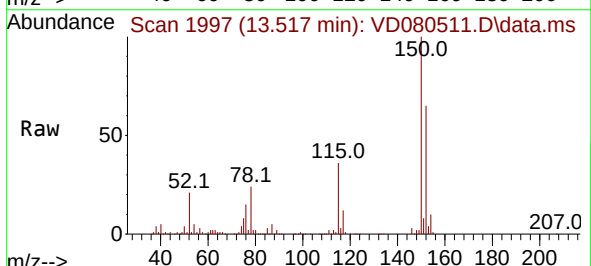
RT: 13.517 min Scan# 1997

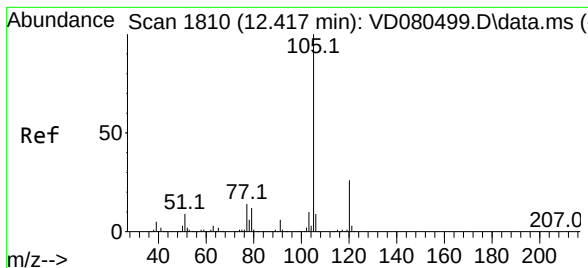
Delta R.T. -0.000 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

Tgt Ion:152	Resp:	278299
Ion Ratio	Lower	Upper
152	100	
115	57.2	29.0 87.0
150	157.3	0.0 345.0





#73

Isopropylbenzene

Concen: 4.880 ug/l

RT: 12.417 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

Instrument :

MSVOA_D

ClientSampleId :

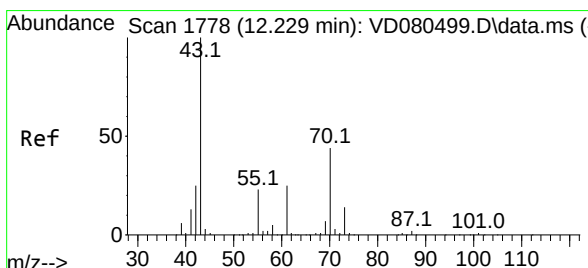
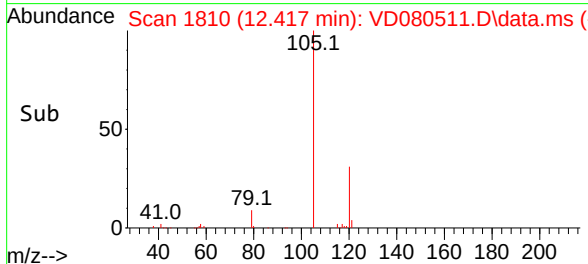
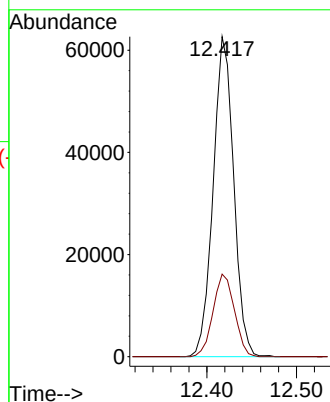
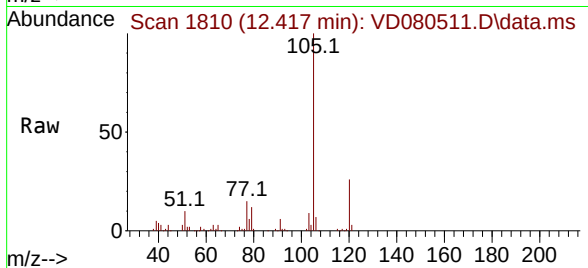
LOQ-SOIL-02-QT3-2025

Tgt Ion:105 Resp: 99500

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4



#74

N-ethyl acetate

Concen: 4.841 ug/l

RT: 12.229 min Scan# 1778

Delta R.T. -0.000 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

Tgt Ion: 43 Resp: 26195

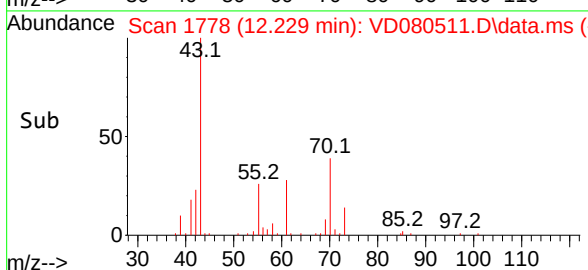
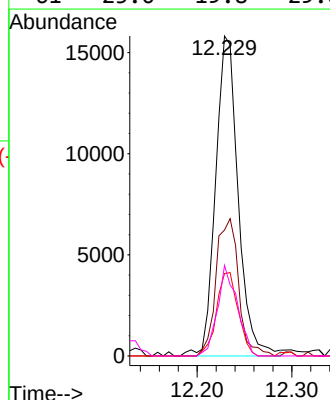
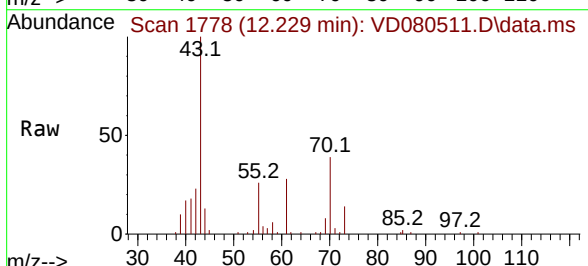
Ion Ratio Lower Upper

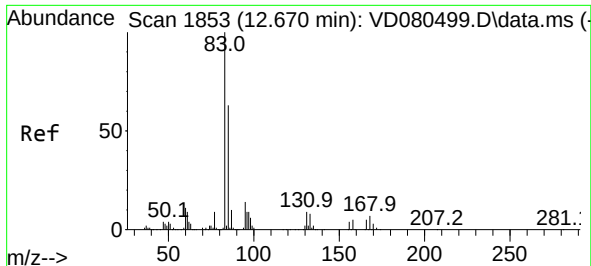
43 100

70 42.9 35.4 53.0

55 25.0 18.6 28.0

61 25.0 19.8 29.8

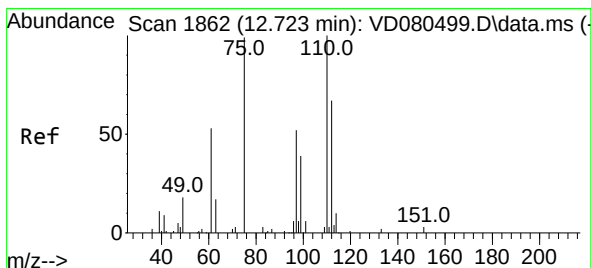
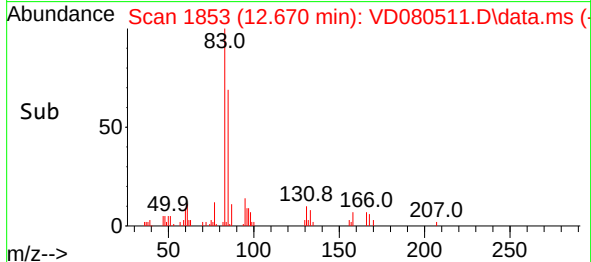
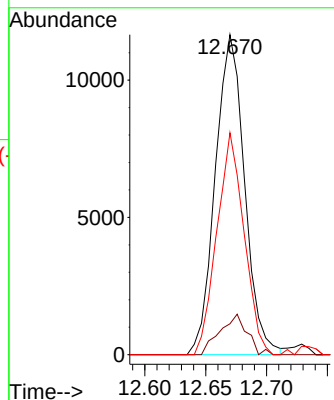
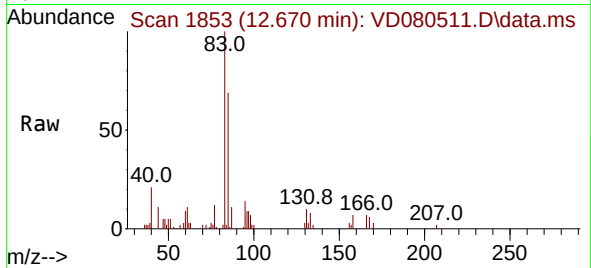




#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.152 ug/l
 RT: 12.670 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VD080511.D
 Acq: 04 Sep 2025 12:43

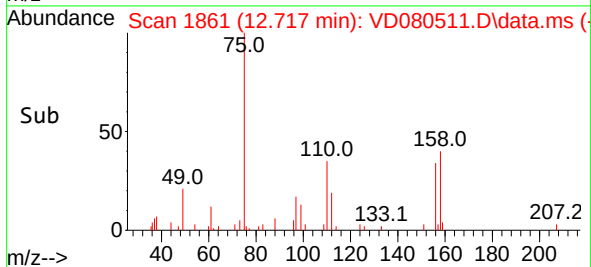
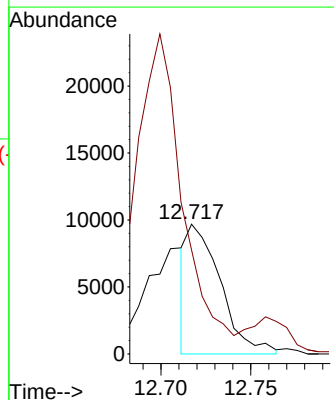
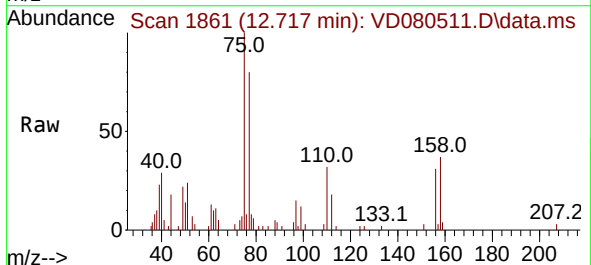
Instrument : MSVOA_D
 ClientSampleId : LOQ-SOIL-02-QT3-2025

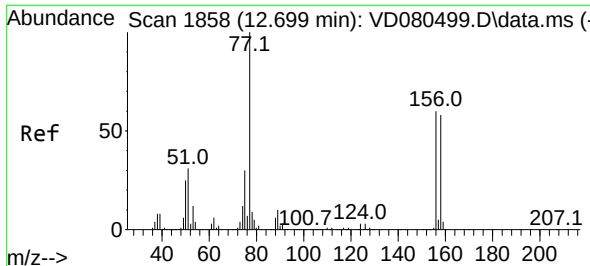
Tgt Ion: 83 Resp: 19532
 Ion Ratio Lower Upper
 83 100
 131 11.7 5.0 15.0
 85 64.2 31.9 95.9



#76
 1,2,3-Trichloropropane
 Concen: 5.484 ug/l m
 RT: 12.717 min Scan# 1861
 Delta R.T. -0.006 min
 Lab File: VD080511.D
 Acq: 04 Sep 2025 12:43

Tgt Ion: 75 Resp: 12456
 Ion Ratio Lower Upper
 75 100
 77 353.5 0.0 0.0#

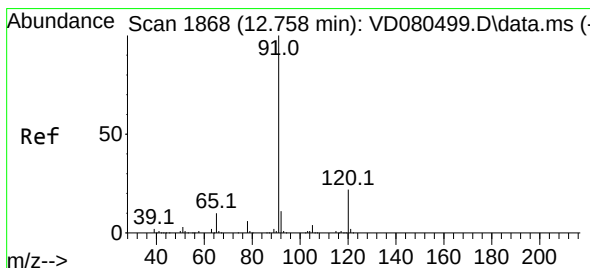
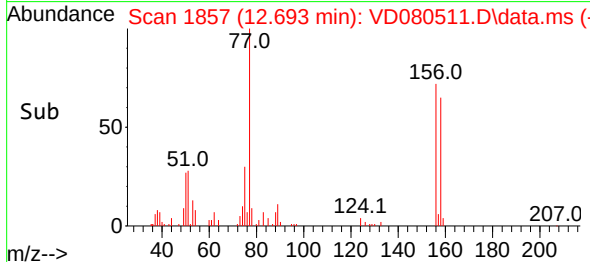
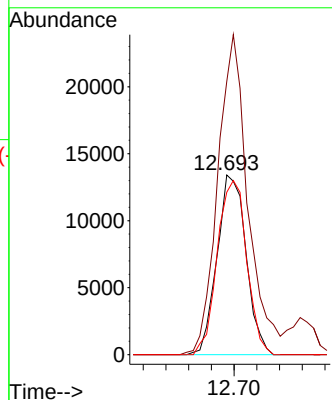
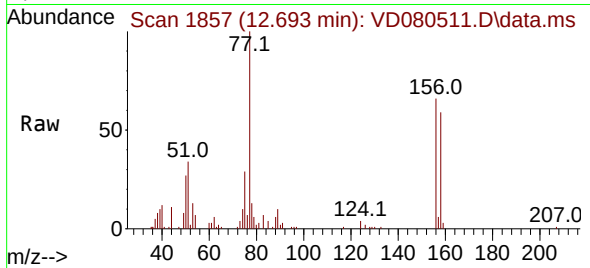




#77
Bromobenzene
Concen: 5.033 ug/l
RT: 12.693 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

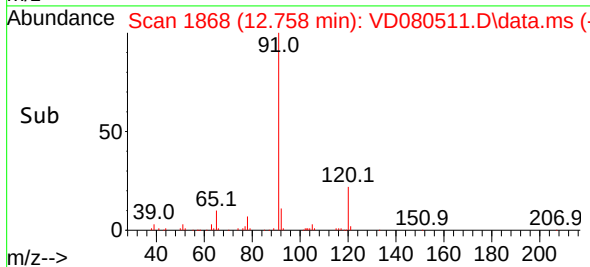
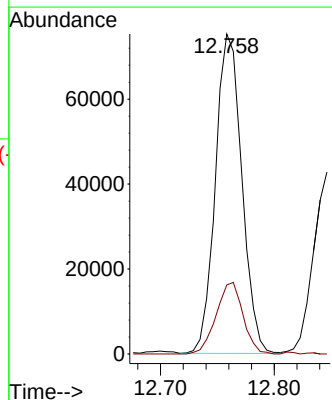
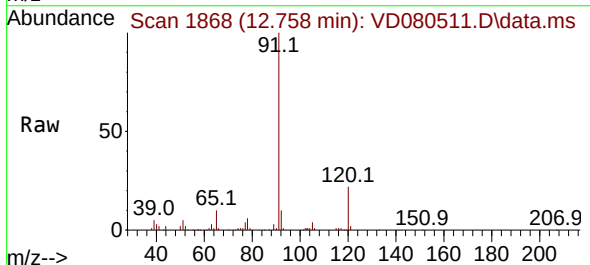
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2025

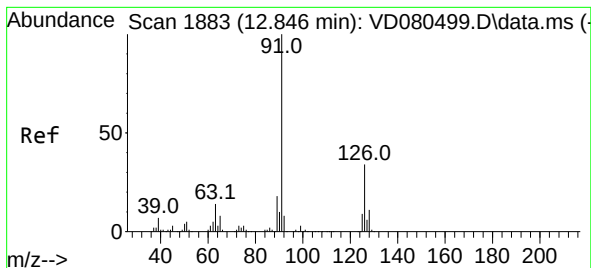
Tgt Ion:156 Resp: 23746
Ion Ratio Lower Upper
156 100
77 185.4 92.5 277.3
158 98.4 47.9 143.6



#78
n-propylbenzene
Concen: 4.910 ug/l
RT: 12.758 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion: 91 Resp: 121558
Ion Ratio Lower Upper
91 100
120 22.7 11.3 33.9





#79

2-Chlorotoluene

Concen: 4.858 ug/l

RT: 12.846 min Scan# 1883

Delta R.T. -0.000 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

Instrument :

MSVOA_D

ClientSampleId :

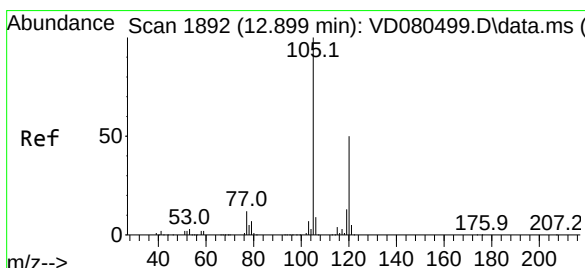
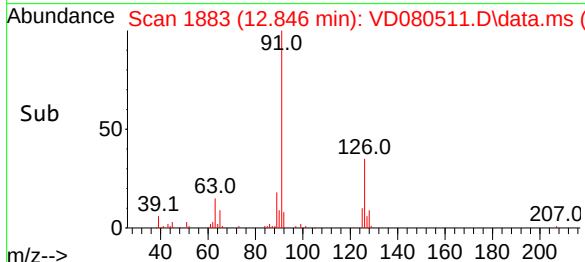
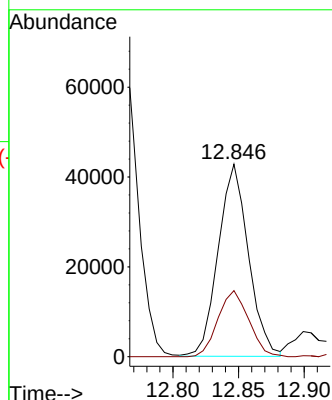
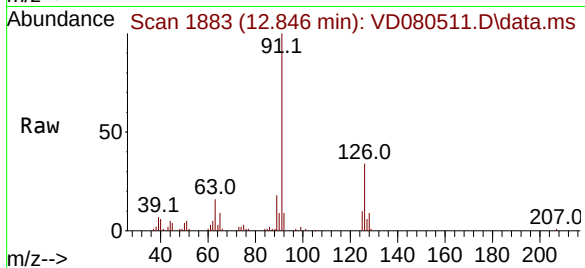
LOQ-SOIL-02-QT3-2025

Tgt Ion: 91 Resp: 68533

Ion Ratio Lower Upper

91 100

126 35.0 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 4.873 ug/l

RT: 12.899 min Scan# 1892

Delta R.T. -0.000 min

Lab File: VD080511.D

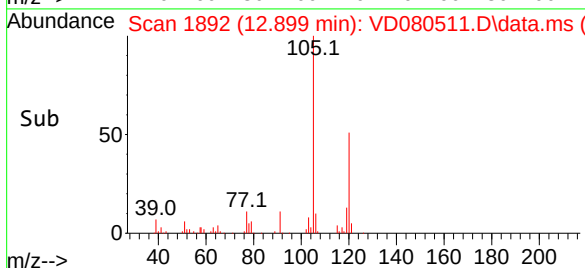
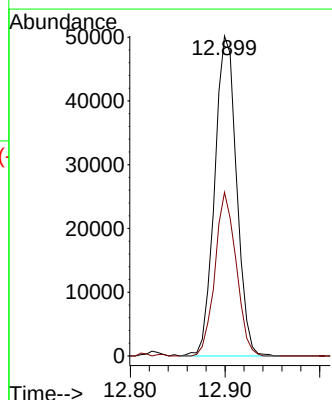
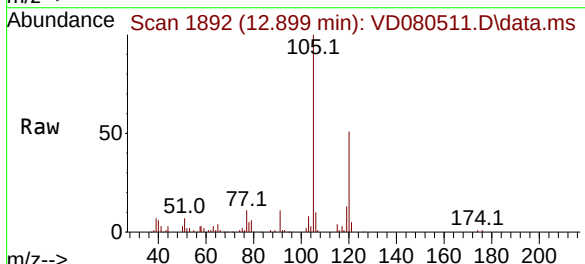
Acq: 04 Sep 2025 12:43

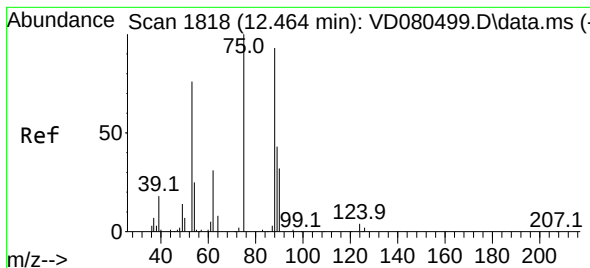
Tgt Ion: 105 Resp: 80743

Ion Ratio Lower Upper

105 100

120 49.4 24.7 74.1

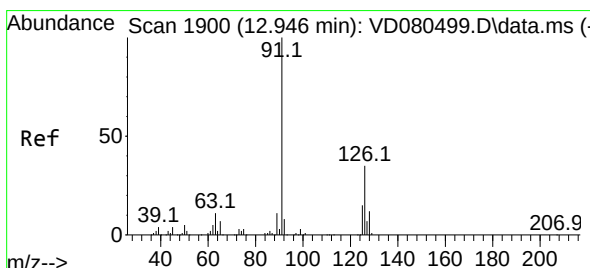
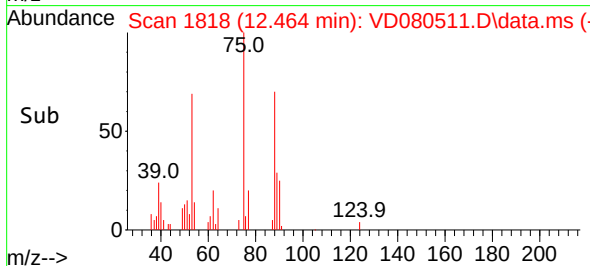
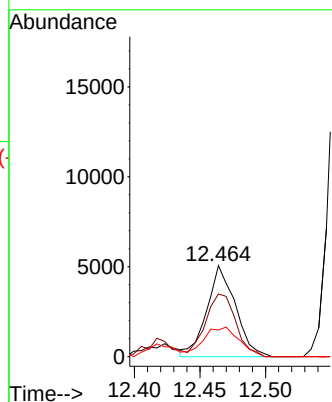
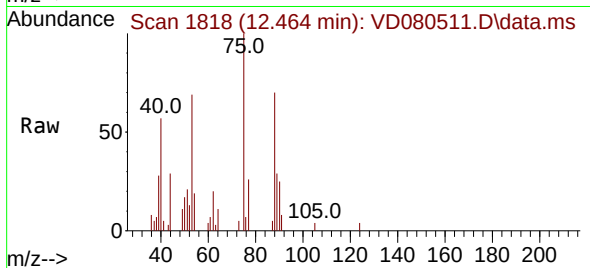




#81
trans-1,4-Dichloro-2-butene
Concen: 5.131 ug/l
RT: 12.464 min Scan# 1818
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

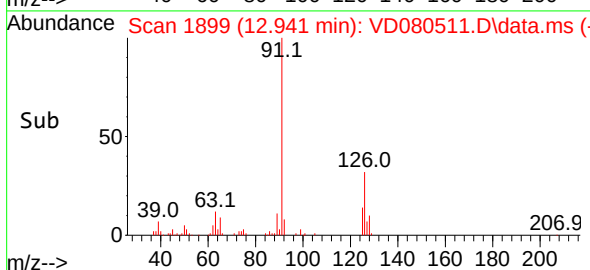
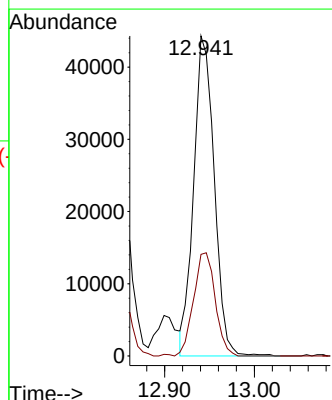
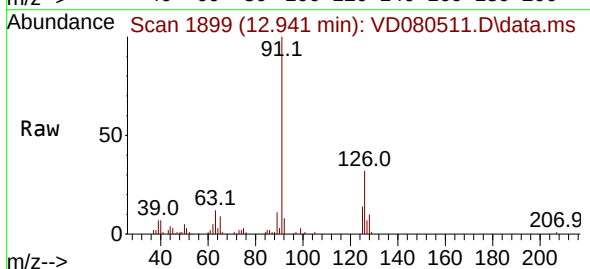
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2025

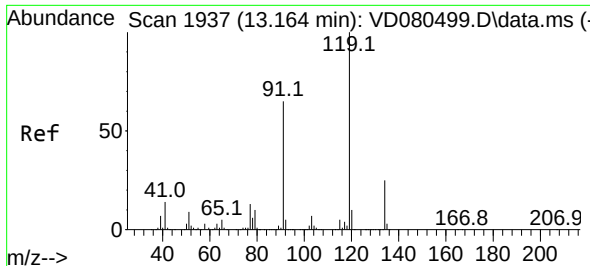
Tgt Ion:	75	Resp:	7678
Ion	Ratio	Lower	Upper
75	100		
53	72.5	61.9	92.9
89	41.3	34.6	52.0



#82
4-Chlorotoluene
Concen: 4.864 ug/l
RT: 12.941 min Scan# 1899
Delta R.T. -0.006 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion:	91	Resp:	70585
Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.9	50.7

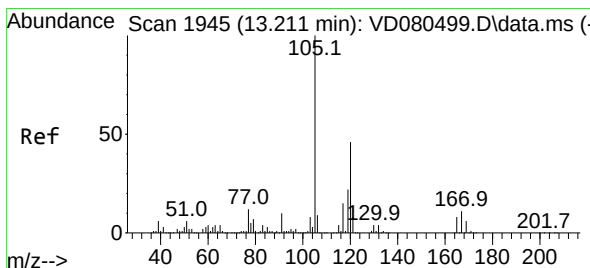
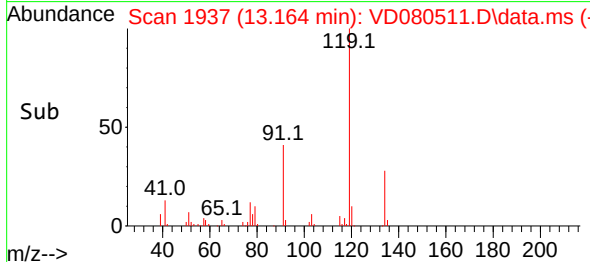
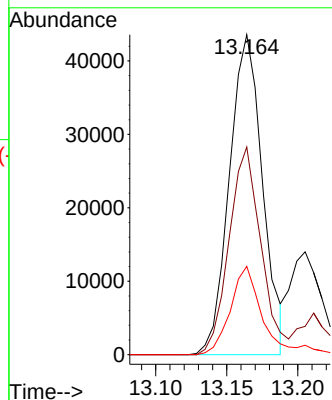
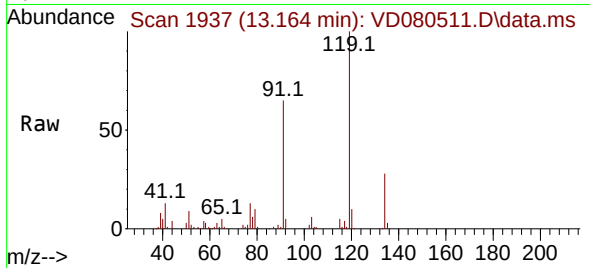




#83
tert-Butylbenzene
Concen: 4.915 ug/l
RT: 13.164 min Scan# 1937
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

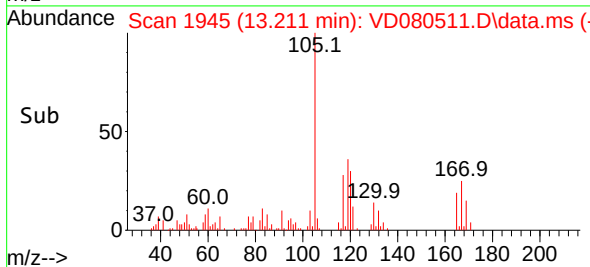
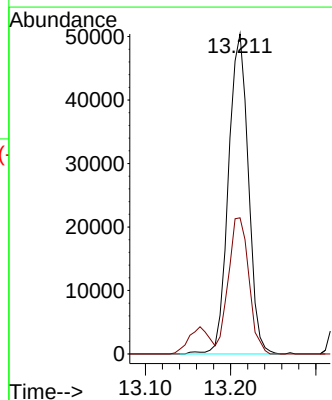
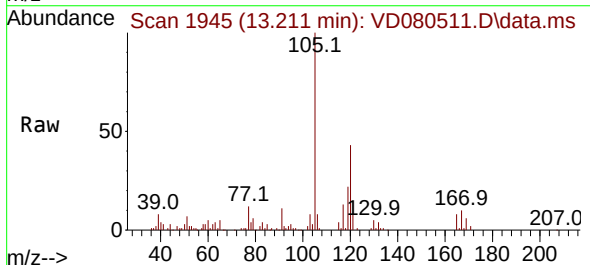
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT3-2025

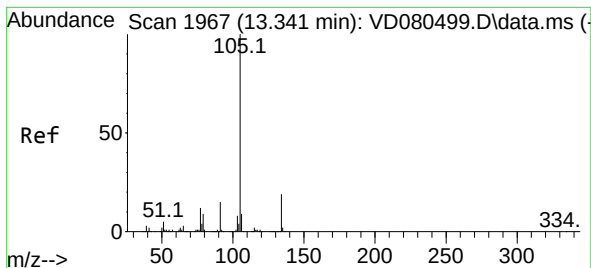
Tgt Ion:	119	Resp:	70651
Ion Ratio	Lower	Upper	
119	100		
91	62.8	32.0	96.0
134	27.1	13.5	40.5



#84
1,2,4-Trimethylbenzene
Concen: 4.888 ug/l
RT: 13.211 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion:	105	Resp:	81550
Ion Ratio	Lower	Upper	
105	100		
120	44.0	22.5	67.5





#85

sec-Butylbenzene

Concen: 4.947 ug/l

RT: 13.341 min Scan# 1967

Delta R.T. -0.000 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

Instrument :

MSVOA_D

ClientSampleId :

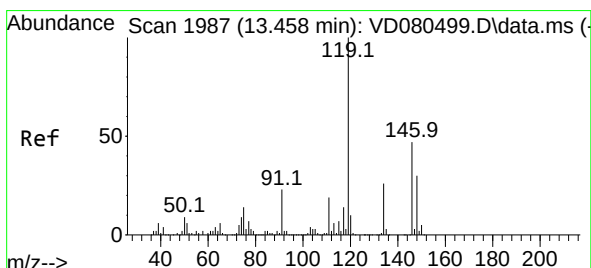
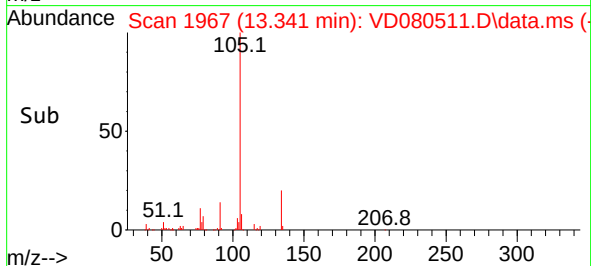
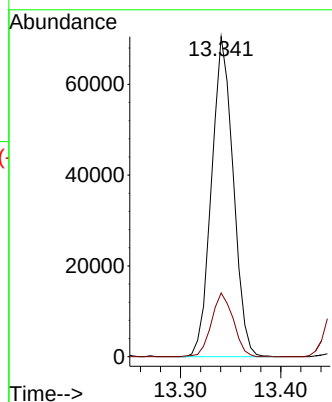
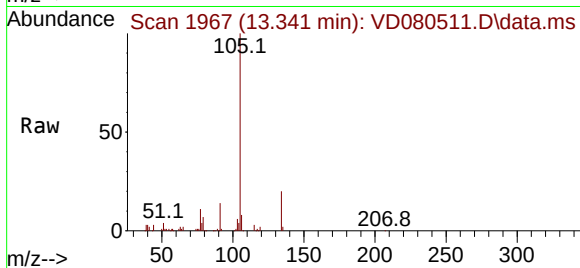
LOQ-SOIL-02-QT3-2025

Tgt Ion:105 Resp: 106129

Ion Ratio Lower Upper

105 100

134 20.0 9.8 29.4



#86

p-Isopropyltoluene

Concen: 4.801 ug/l

RT: 13.458 min Scan# 1987

Delta R.T. -0.000 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

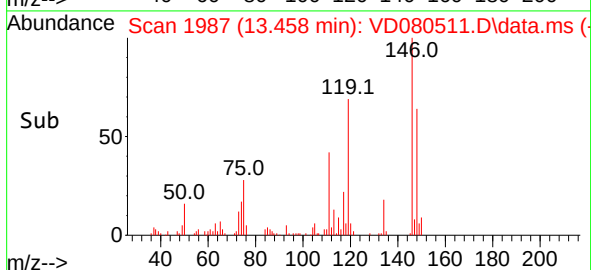
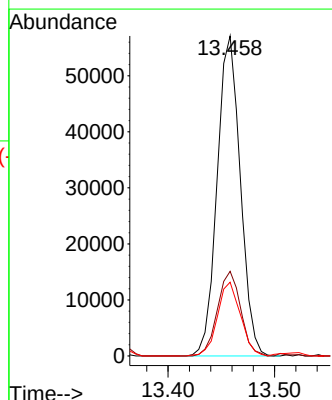
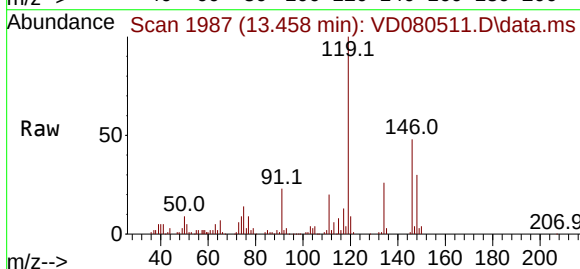
Tgt Ion:119 Resp: 86159

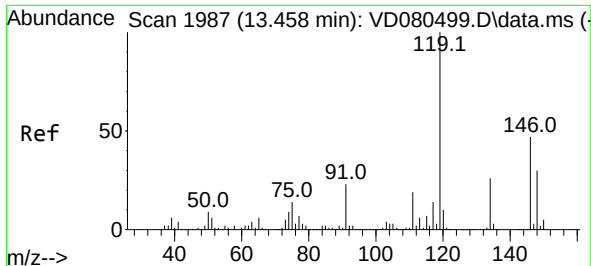
Ion Ratio Lower Upper

119 100

134 26.5 13.0 39.0

91 22.9 11.2 33.5

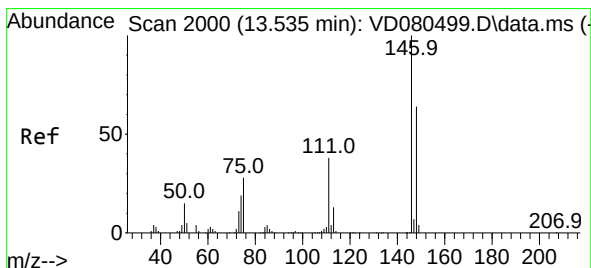
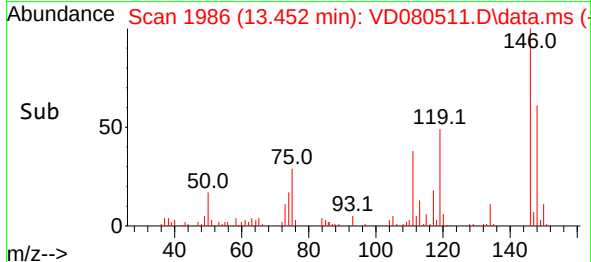
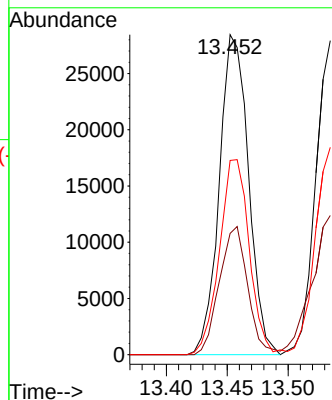
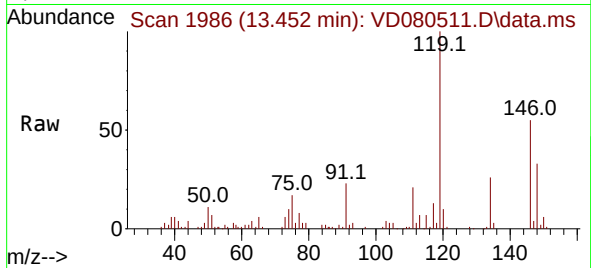




#87
1,3-Dichlorobenzene
Concen: 5.220 ug/l
RT: 13.452 min Scan# 1987
Delta R.T. -0.006 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

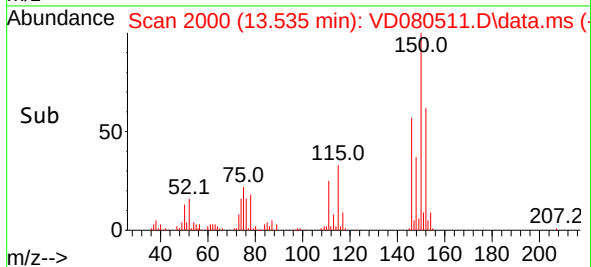
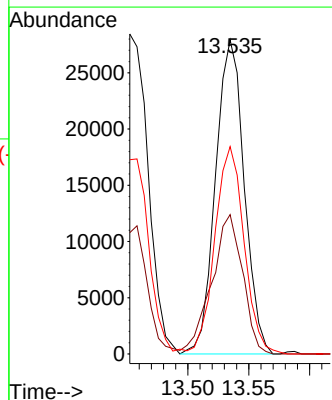
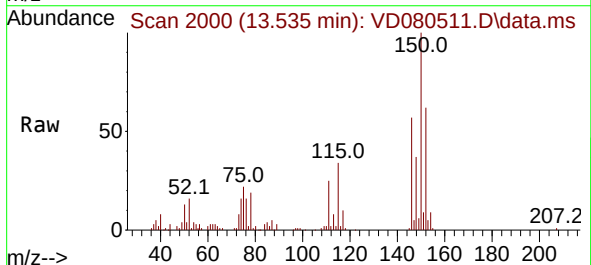
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2025

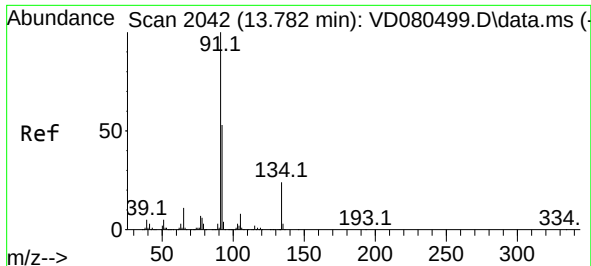
Tgt Ion:146 Resp: 47484
Ion Ratio Lower Upper
146 100
111 39.0 19.9 59.6
148 62.5 31.8 95.4



#88
1,4-Dichlorobenzene
Concen: 5.013 ug/l
RT: 13.535 min Scan# 2000
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion:146 Resp: 45784
Ion Ratio Lower Upper
146 100
111 47.9 19.4 58.1
148 67.2 32.1 96.5

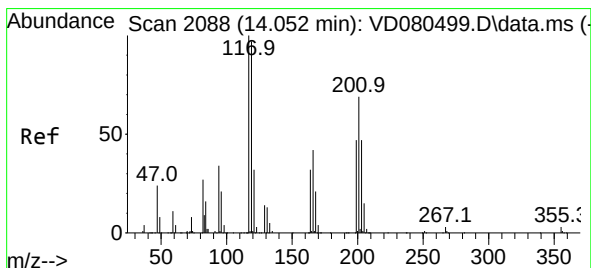
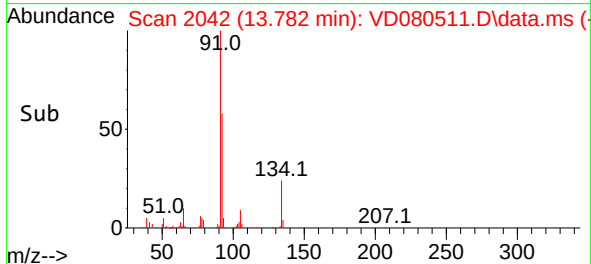
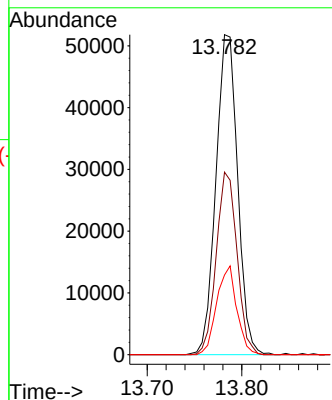
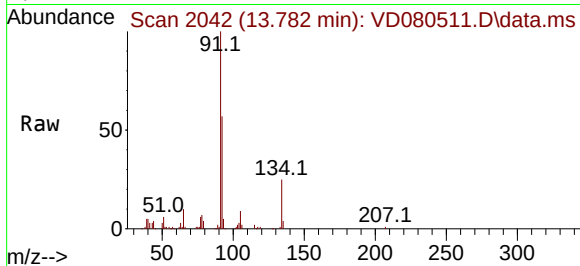




#89
n-Butylbenzene
Concen: 4.842 ug/l
RT: 13.782 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

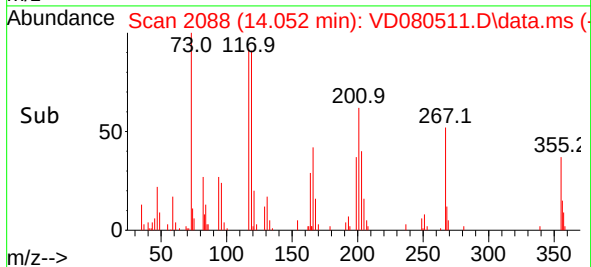
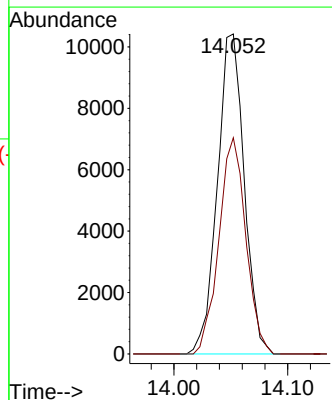
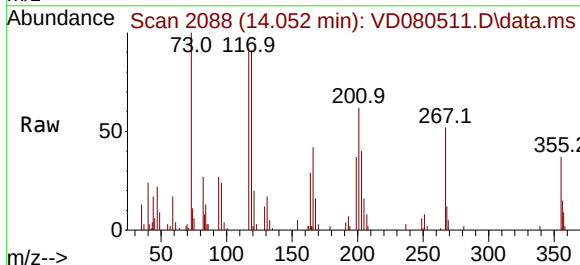
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT3-2025

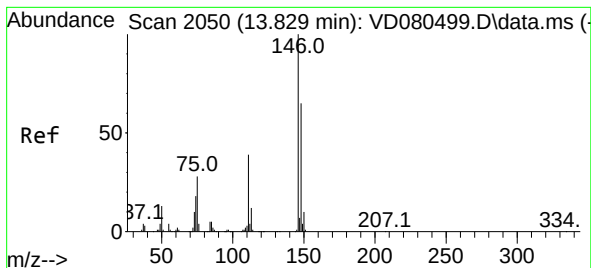
Tgt Ion:	91	Resp:	82777
Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.6	79.8
134	25.6	12.4	37.2



#90
Hexachloroethane
Concen: 4.933 ug/l
RT: 14.052 min Scan# 2088
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion:	117	Resp:	17126
Ion	Ratio	Lower	Upper
117	100		
201	67.8	34.6	103.8





#91

1,2-Dichlorobenzene

Concen: 5.094 ug/l

RT: 13.829 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2025

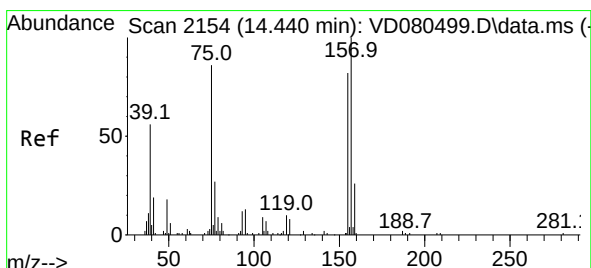
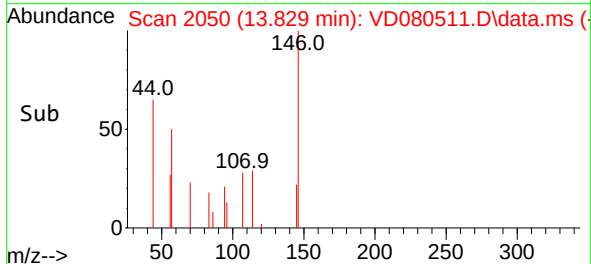
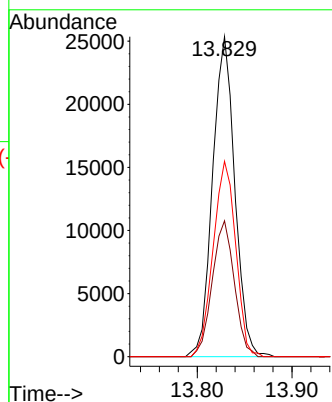
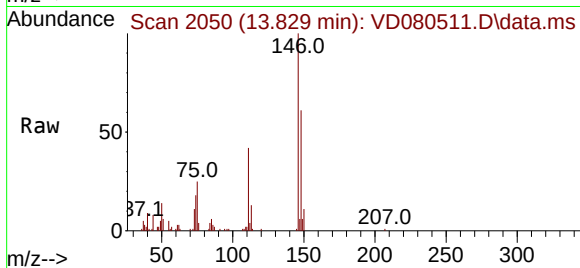
Tgt Ion:146 Resp: 41230

Ion Ratio Lower Upper

146 100

111 42.2 20.7 62.1

148 62.1 31.5 94.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.249 ug/l

RT: 14.446 min Scan# 2155

Delta R.T. 0.006 min

Lab File: VD080511.D

Acq: 04 Sep 2025 12:43

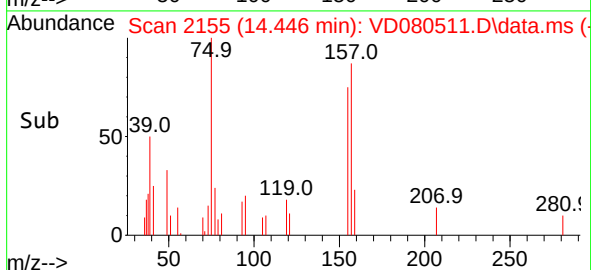
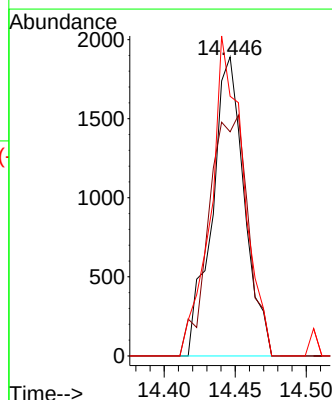
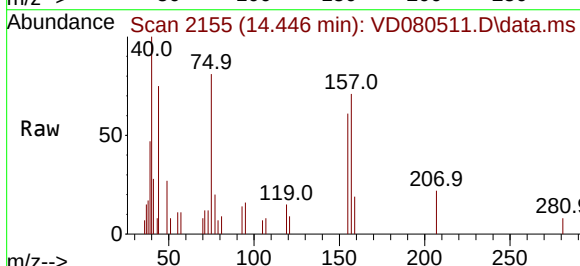
Tgt Ion: 75 Resp: 2986

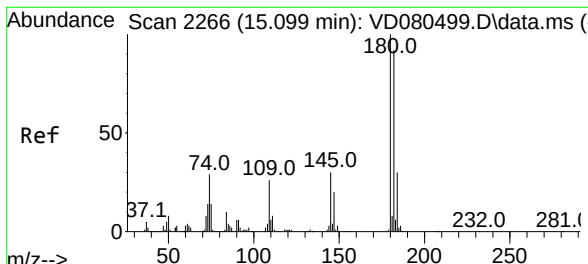
Ion Ratio Lower Upper

75 100

155 98.4 47.5 142.6

157 108.4 56.8 170.3

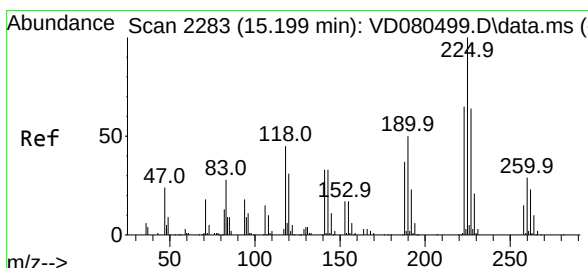
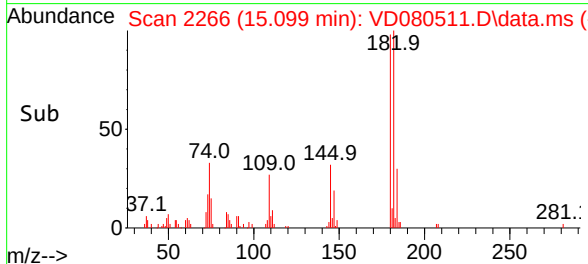
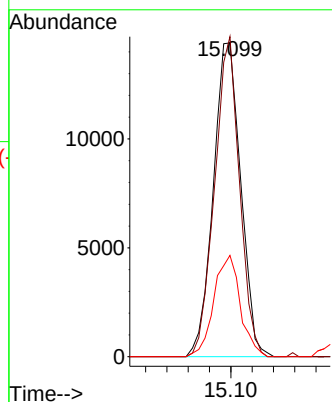
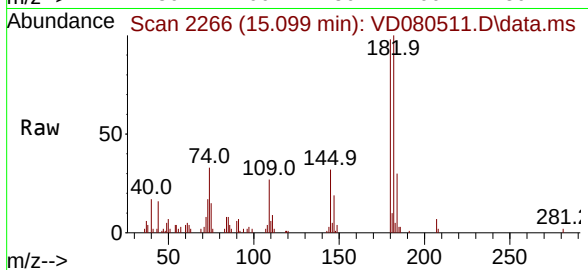




#93
1,2,4-Trichlorobenzene
Concen: 5.079 ug/l
RT: 15.099 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

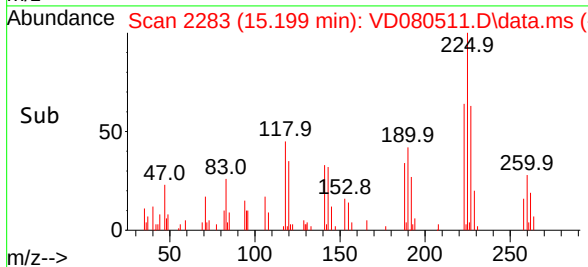
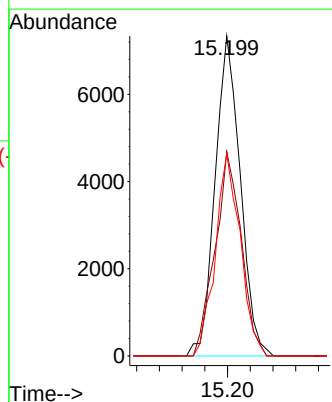
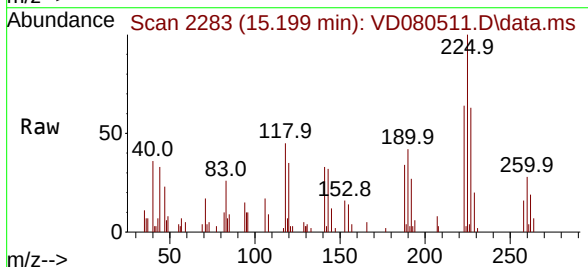
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2025

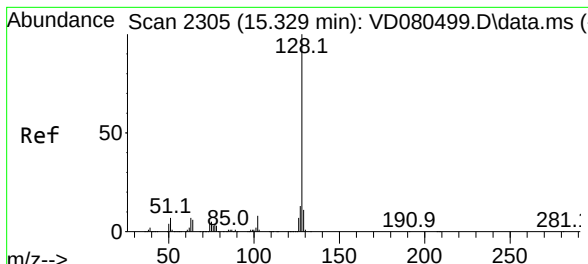
Tgt Ion:180	Resp:	25756
Ion Ratio	Lower	Upper
180	100	
182	92.3	47.5 142.5
145	31.1	15.7 47.0



#94
Hexachlorobutadiene
Concen: 4.900 ug/l
RT: 15.199 min Scan# 2283
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion:225	Resp:	11295
Ion Ratio	Lower	Upper
225	100	
223	66.6	31.9 95.7
227	62.7	32.0 96.2

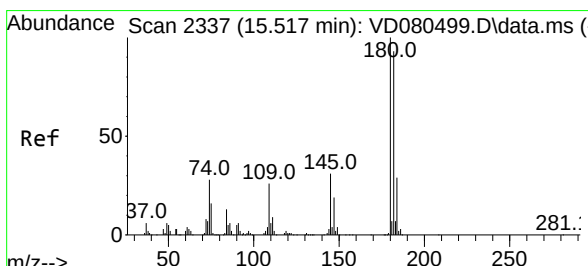
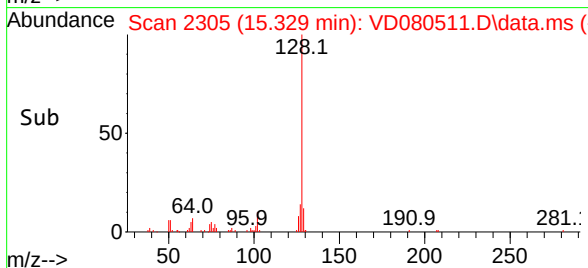
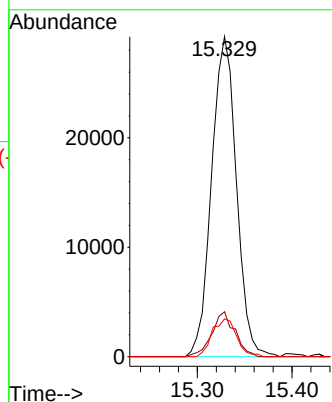
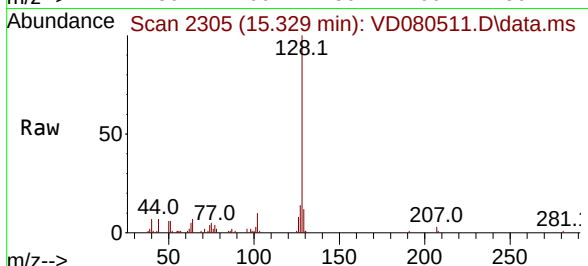




#95
Naphthalene
Concen: 4.944 ug/l
RT: 15.329 min Scan# 2305
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

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

Tgt Ion:	128	Resp:	53338
Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.6	16.0
129	11.8	9.0	13.6



#96
1,2,3-Trichlorobenzene
Concen: 5.077 ug/l
RT: 15.517 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VD080511.D
Acq: 04 Sep 2025 12:43

Tgt Ion:	180	Resp:	22041
Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.5	142.5
145	32.2	16.2	48.5

