

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111825\
 Data File : VD080537.D
 Acq On : 18 Nov 2025 12:58
 Operator : RP/MD
 Sample : Q3530-02
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025

Quant Time: Nov 19 08:26:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111725S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 18 00:45:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	268381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	450410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	380539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	170133	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	113434	50.338	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.680%	
35) Dibromofluoromethane	7.805	113	132862	50.105	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.220%	
50) Toluene-d8	10.270	98	528315	49.251	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.500%	
62) 4-Bromofluorobenzene	12.570	95	150689	48.863	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.720%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.935	85	10235	5.117	ug/l	94
3) Chloromethane	2.147	50	18369	5.688	ug/l	95
4) Vinyl Chloride	2.288	62	20051	5.241	ug/l	92
5) Bromomethane	2.700	94	17379	6.126	ug/l	93
6) Chloroethane	2.841	64	13872	5.282	ug/l	96
7) Trichlorofluoromethane	3.182	101	22643	5.201	ug/l	95
8) Diethyl Ether	3.606	74	5584	4.654	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.976	101	14528	5.280	ug/l	94
10) Methyl Iodide	4.170	142	15448	4.366	ug/l	99
11) Tert butyl alcohol	5.053	59	796	7.585	ug/l #	83
12) 1,1-Dichloroethene	3.941	96	14919	5.152	ug/l	88
13) Acrolein	3.806	56	4768	26.116	ug/l	95
14) Allyl chloride	4.570	41	21014	4.647	ug/l	88
15) Acrylonitrile	5.270	53	12782	26.391	ug/l #	83
16) Acetone	4.017	43	8379	25.434	ug/l	100
17) Carbon Disulfide	4.276	76	45463	4.879	ug/l	97
18) Methyl Acetate	4.564	43	4683	4.622	ug/l	99
19) Methyl tert-butyl Ether	5.329	73	26090	5.082	ug/l	98
20) Methylene Chloride	4.811	84	25719	7.733	ug/l	91
21) trans-1,2-Dichloroethene	5.317	96	16698	5.171	ug/l	94
22) Diisopropyl ether	6.211	45	40002	4.895	ug/l #	91
23) Vinyl Acetate	6.158	43	101093	23.755	ug/l	95
24) 1,1-Dichloroethane	6.117	63	27338	4.893	ug/l #	95
25) 2-Butanone	7.082	43	13876	26.862	ug/l #	88
26) 2,2-Dichloropropane	7.076	77	25232	5.251	ug/l	96
27) cis-1,2-Dichloroethene	7.088	96	18918	5.028	ug/l	98
28) Bromochloromethane	7.429	49	10781	5.272	ug/l #	98
29) Tetrahydrofuran	7.452	42	8073	23.458	ug/l #	66
30) Chloroform	7.600	83	28816	5.259	ug/l	97
31) Cyclohexane	7.876	56	30253	5.652	ug/l #	88
32) 1,1,1-Trichloroethane	7.794	97	24951	5.184	ug/l	98
36) 1,1-Dichloropropene	8.011	75	21404	5.222	ug/l	99
37) Ethyl Acetate	7.170	43	5705	4.601	ug/l #	92
38) Carbon Tetrachloride	8.000	117	20673	5.019	ug/l	91
39) Methylcyclohexane	9.276	83	27627	5.108	ug/l	95
40) Benzene	8.252	78	63666	5.016	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	2872	3.546	ug/l #	46
42) 1,2-Dichloroethane	8.329	62	14759	5.572	ug/l	96
43) Isopropyl Acetate	8.364	43	11974	4.923	ug/l	96
44) Trichloroethene	9.029	130	17093	5.327	ug/l	99
45) 1,2-Dichloropropane	9.305	63	14271	4.911	ug/l	94
46) Dibromomethane	9.394	93	7166	4.999	ug/l	96
47) Bromodichloromethane	9.588	83	19574	5.056	ug/l #	95
48) Methyl methacrylate	9.382	41	6147	5.092	ug/l	89
49) 1,4-Dioxane	9.394	88	1642	122.887	ug/l #	78
51) 4-Methyl-2-Pentanone	10.158	43	27378	24.261	ug/l	98
52) Toluene	10.335	92	39901	4.971	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	17207	5.016	ug/l	92
54) cis-1,3-Dichloropropene	10.017	75	20967	4.739	ug/l #	88
55) 1,1,2-Trichloroethane	10.735	97	9603	5.237	ug/l	91
56) Ethyl methacrylate	10.594	69	10099	4.773	ug/l	99
57) 1,3-Dichloropropane	10.876	76	16790	5.251	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	32056	27.002	ug/l	97
59) 2-Hexanone	10.917	43	19025	24.117	ug/l	99
60) Dibromochloromethane	11.070	129	12524	5.140	ug/l	96
61) 1,2-Dibromoethane	11.182	107	9091	5.154	ug/l	94
64) Tetrachloroethene	10.811	164	12937	4.726	ug/l	96
65) Chlorobenzene	11.605	112	43834	5.173	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.676	131	13694	5.167	ug/l	95
67) Ethyl Benzene	11.682	91	75563	4.920	ug/l	97
68) m/p-Xylenes	11.793	106	57573	9.801	ug/l	100
69) o-Xylene	12.117	106	26484	4.877	ug/l	99
70) Styrene	12.135	104	43896	4.897	ug/l	99
71) Bromoform	12.293	173	6456	5.215	ug/l #	97
73) Isopropylbenzene	12.417	105	70766	4.900	ug/l	98
74) N-amyl acetate	12.229	43	10891	4.865	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.676	83	9485	5.237	ug/l	98
76) 1,2,3-Trichloropropane	12.723	75	12103	9.133	ug/l #	100
77) Bromobenzene	12.693	156	14866	4.850	ug/l	93
78) n-propylbenzene	12.758	91	84241	4.862	ug/l	98
79) 2-Chlorotoluene	12.846	91	46632	4.893	ug/l	96
80) 1,3,5-Trimethylbenzene	12.899	105	56332	4.934	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.458	75	3050	4.395	ug/l	89
82) 4-Chlorotoluene	12.946	91	47688	4.921	ug/l	99
83) tert-Butylbenzene	13.164	119	50004	4.871	ug/l	98
84) 1,2,4-Trimethylbenzene	13.211	105	53517	4.764	ug/l	99
85) sec-Butylbenzene	13.340	105	76502	5.034	ug/l	100
86) p-Isopropyltoluene	13.458	119	60984	4.839	ug/l	97
87) 1,3-Dichlorobenzene	13.452	146	30939	5.080	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	30376	5.100	ug/l	92
89) n-Butylbenzene	13.787	91	57996	4.826	ug/l	98
90) Hexachloroethane	14.052	117	11915	4.846	ug/l	95
91) 1,2-Dichlorobenzene	13.829	146	25386	5.043	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.446	75	1065	4.271	ug/l	67
93) 1,2,4-Trichlorobenzene	15.093	180	16140	5.192	ug/l	98
94) Hexachlorobutadiene	15.199	225	9292	5.369	ug/l	92
95) Naphthalene	15.329	128	25337	5.009	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.511	180	13224	5.251	ug/l	98

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Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

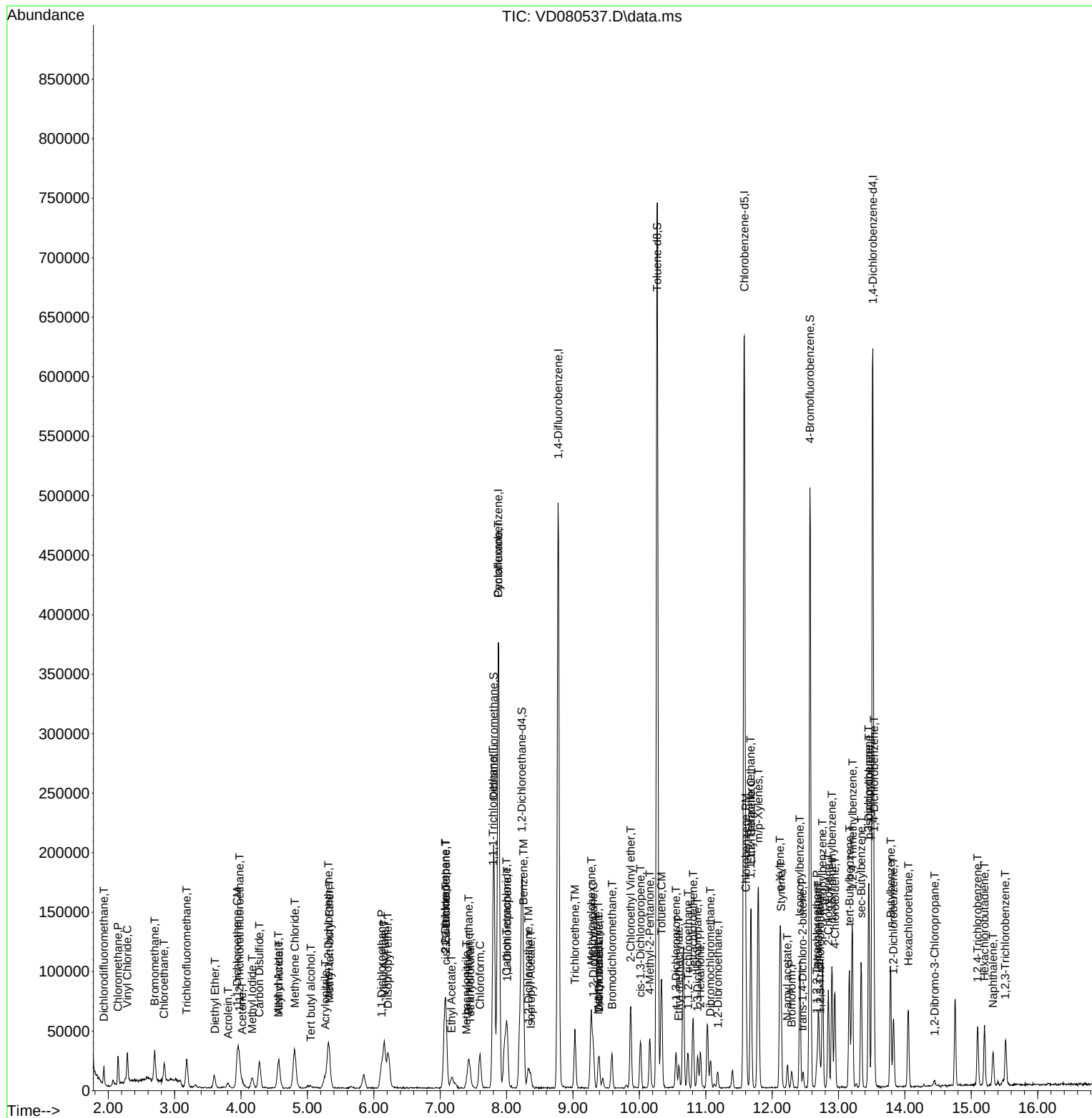
Quant Time: Nov 19 08:26:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111725S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 18 00:45:54 2025
Response via : Initial Calibration

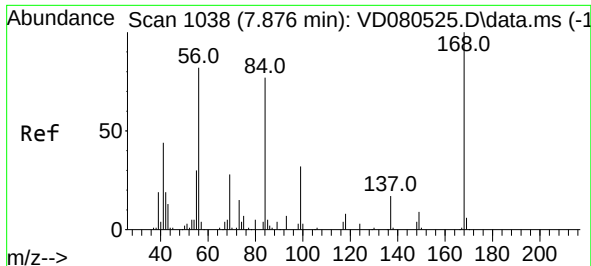
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_D
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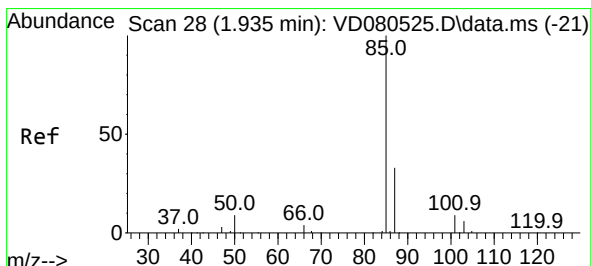
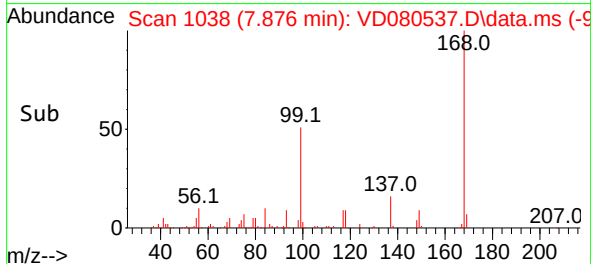
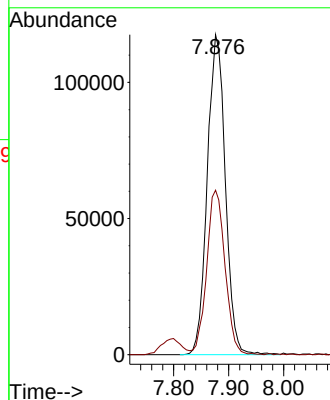
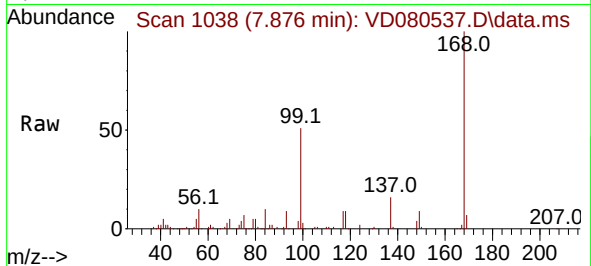




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

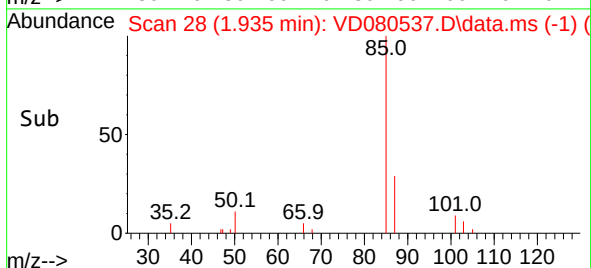
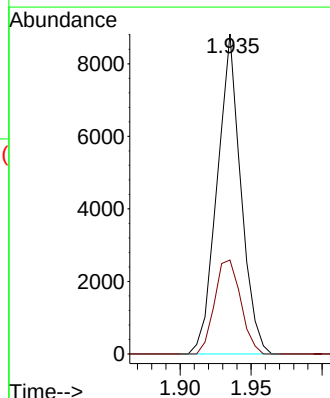
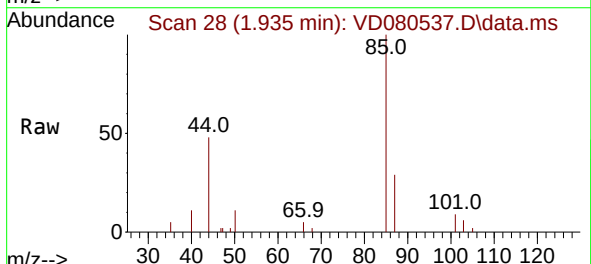
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

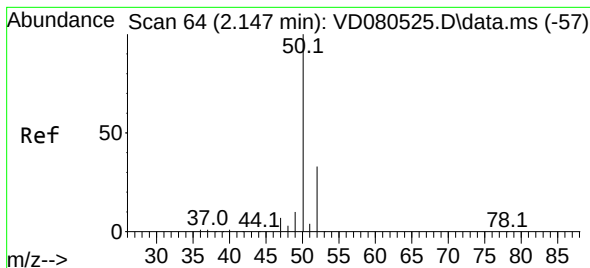
Tgt Ion:168 Resp: 268381
Ion Ratio Lower Upper
168 100
99 51.3 42.5 63.7



#2
Dichlorodifluoromethane
Concen: 5.117 ug/l
RT: 1.935 min Scan# 28
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion: 85 Resp: 10235
Ion Ratio Lower Upper
85 100
87 29.4 16.5 49.5





#3

Chloromethane

Concen: 5.688 ug/l

RT: 2.147 min Scan# 64

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

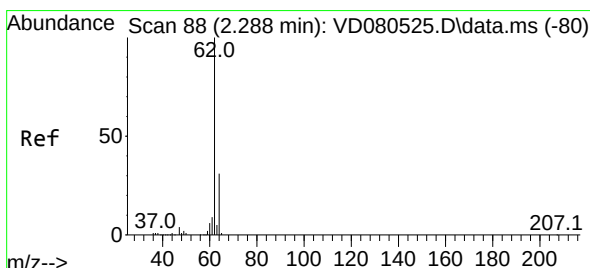
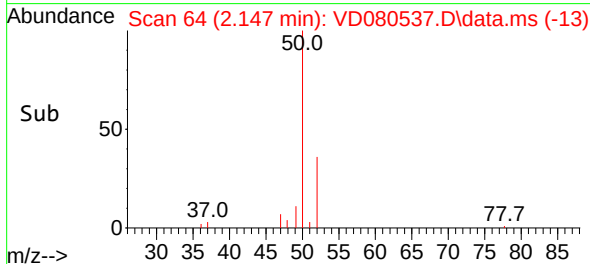
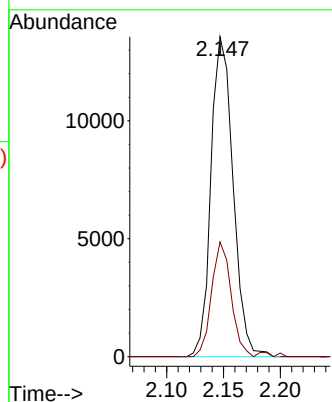
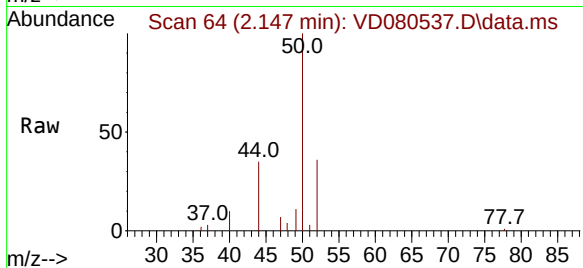
LOQ-SOIL-02-QT4-2025

Tgt Ion: 50 Resp: 18369

Ion Ratio Lower Upper

50 100

52 35.9 26.5 39.7



#4

Vinyl Chloride

Concen: 5.241 ug/l

RT: 2.288 min Scan# 88

Delta R.T. 0.000 min

Lab File: VD080537.D

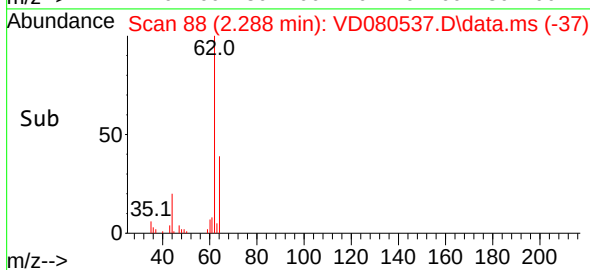
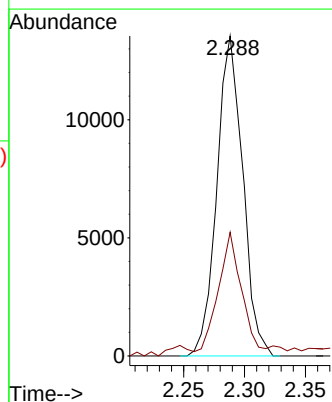
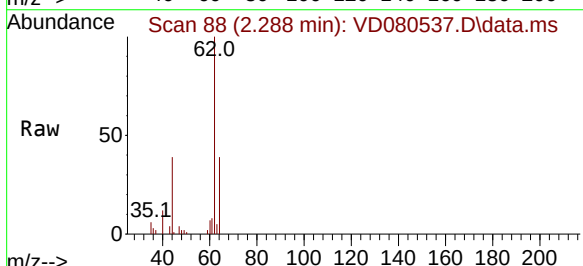
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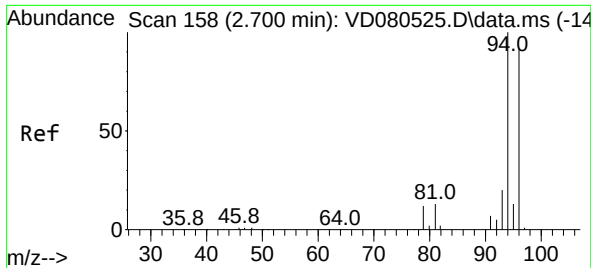
Tgt Ion: 62 Resp: 20051

Ion Ratio Lower Upper

62 100

64 35.9 25.0 37.6

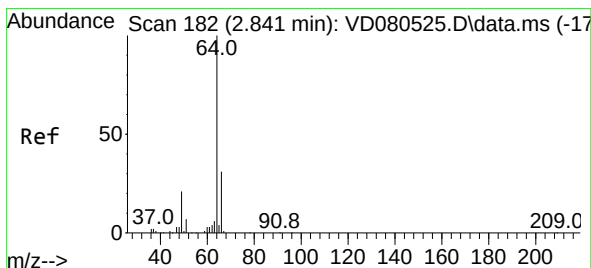
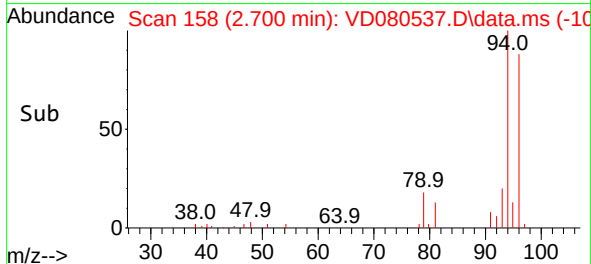
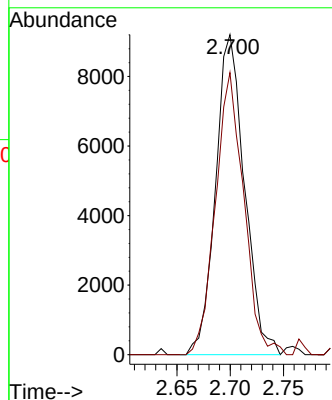
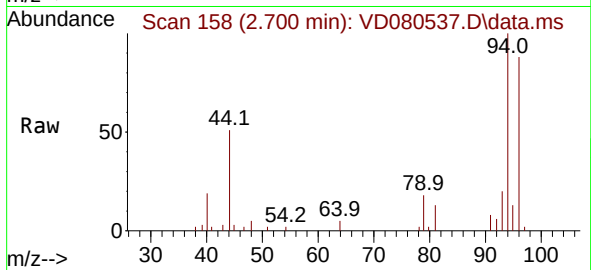




#5
Bromomethane
Concen: 6.126 ug/l
RT: 2.700 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

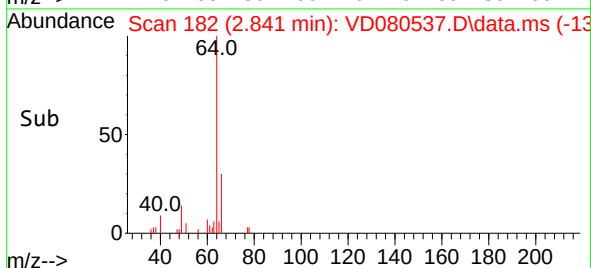
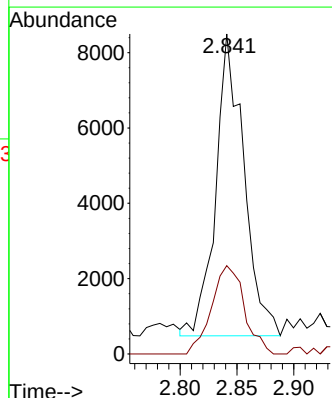
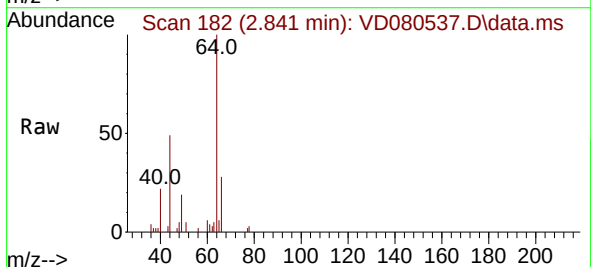
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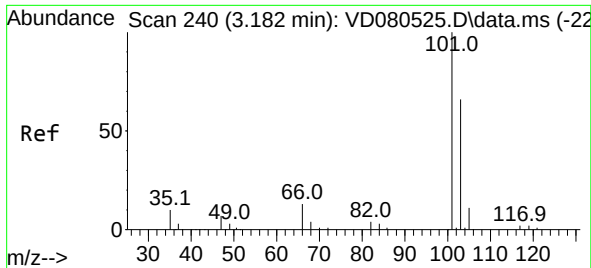
Tgt Ion: 94 Resp: 17379
Ion Ratio Lower Upper
94 100
96 86.4 74.6 112.0



#6
Chloroethane
Concen: 5.282 ug/l
RT: 2.841 min Scan# 182
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion: 64 Resp: 13872
Ion Ratio Lower Upper
64 100
66 29.2 25.0 37.6

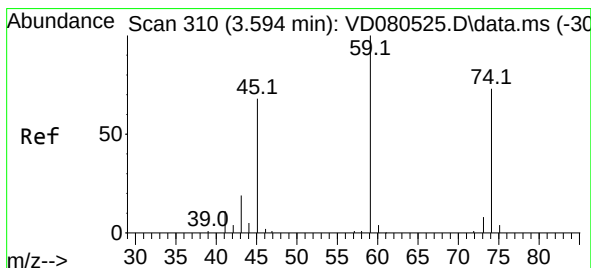
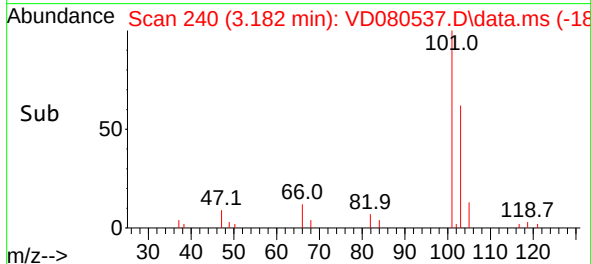
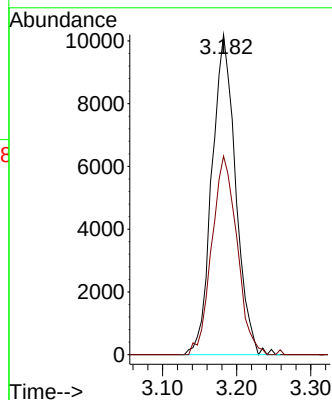
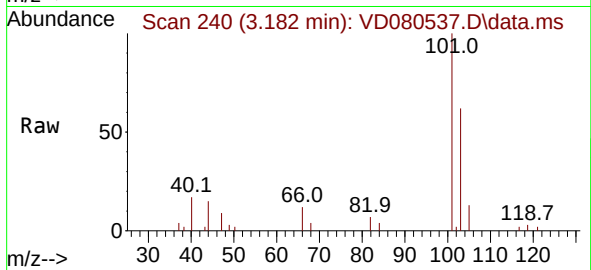




#7
Trichlorofluoromethane
Concen: 5.201 ug/l
RT: 3.182 min Scan# 240
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

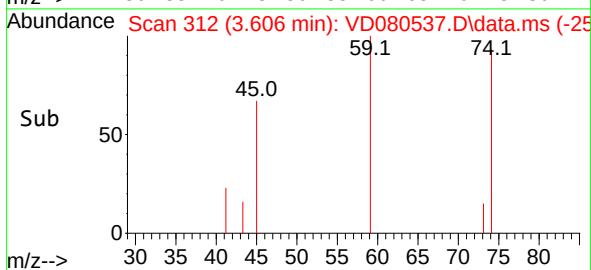
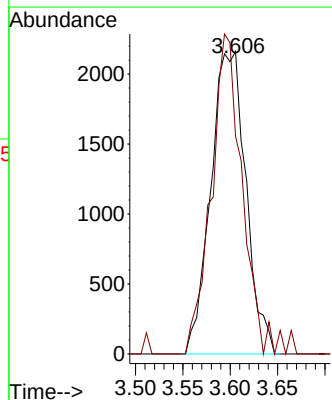
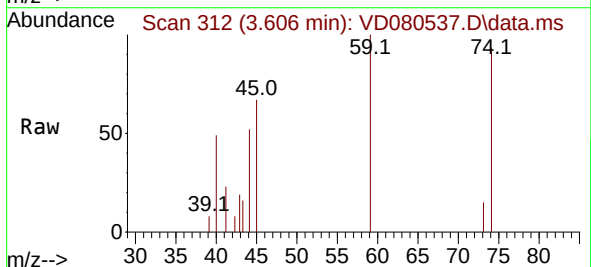
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

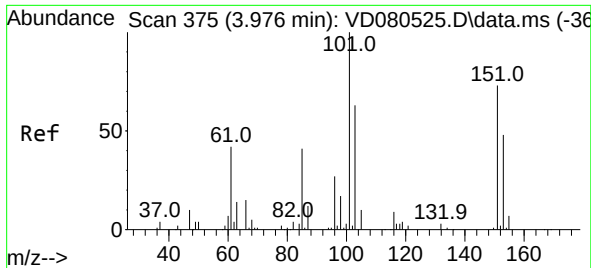
Tgt Ion:101 Resp: 22643
Ion Ratio Lower Upper
101 100
103 62.1 52.6 78.8



#8
Diethyl Ether
Concen: 4.654 ug/l
RT: 3.606 min Scan# 312
Delta R.T. 0.012 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion: 74 Resp: 5584
Ion Ratio Lower Upper
74 100
45 91.9 46.9 140.7

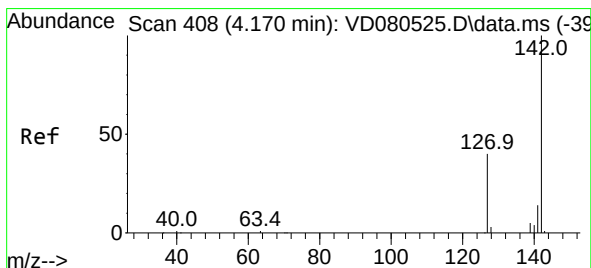
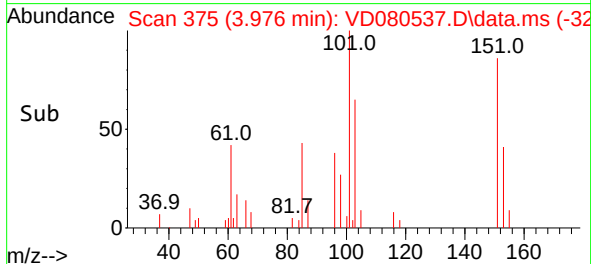
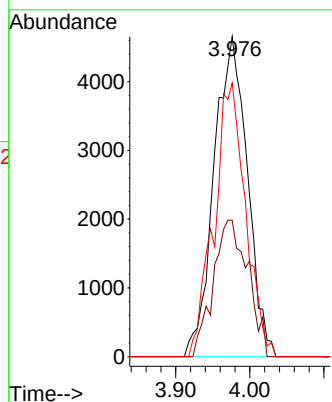
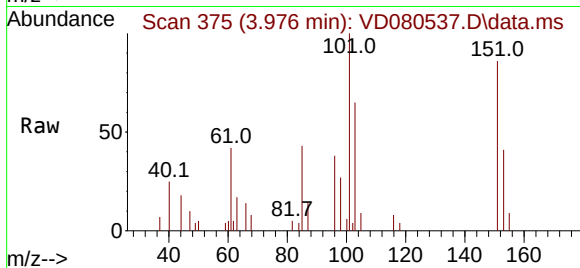




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.280 ug/l
RT: 3.976 min Scan# 31
Delta R.T. 0.000 min
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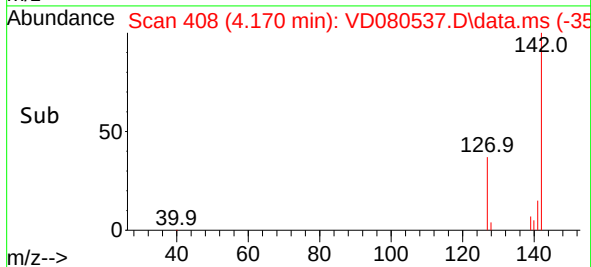
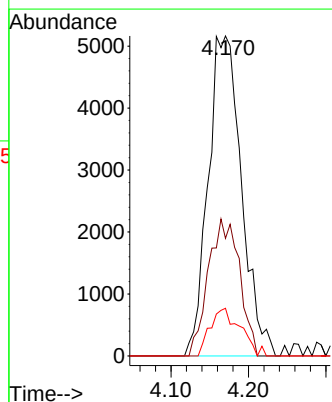
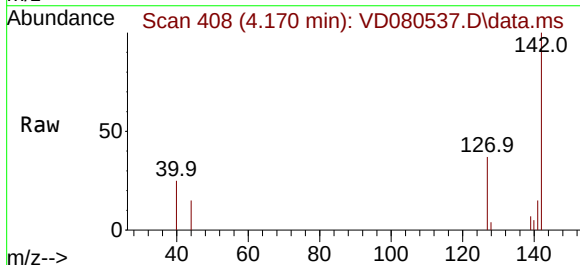
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

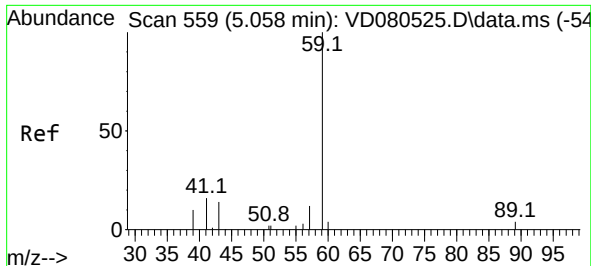
Tgt Ion:	101	Resp:	14528
Ion	Ratio	Lower	Upper
101	100		
85	44.4	33.8	50.6
151	81.1	59.6	89.4



#10
Methyl Iodide
Concen: 4.366 ug/l
RT: 4.170 min Scan# 408
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion:	142	Resp:	15448
Ion	Ratio	Lower	Upper
142	100		
127	40.1	32.6	49.0
141	13.5	11.4	17.2

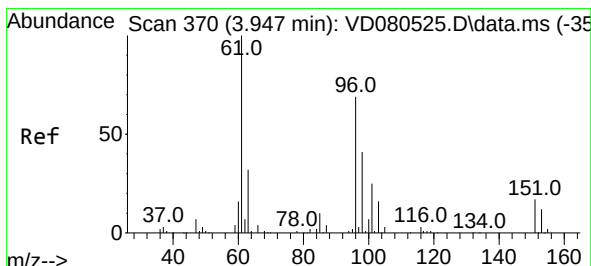
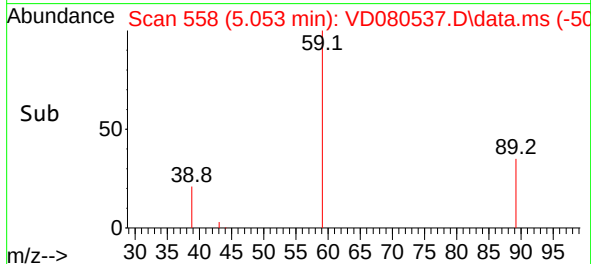
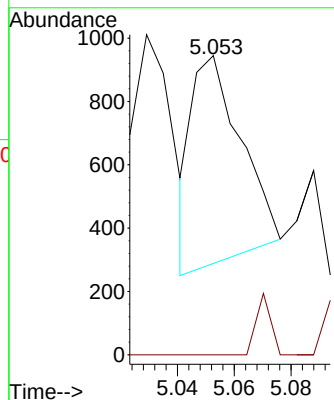
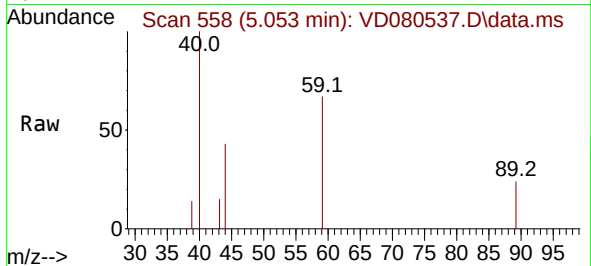




#11
Tert butyl alcohol
Concen: 7.585 ug/l
RT: 5.053 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

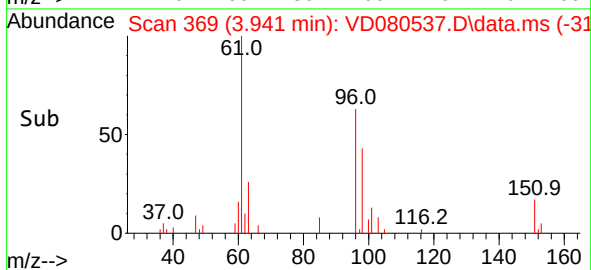
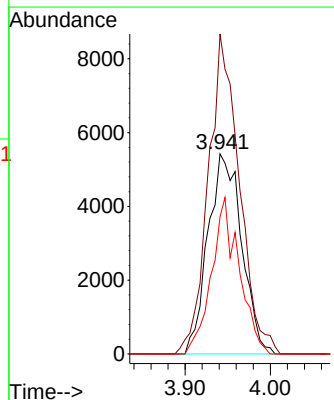
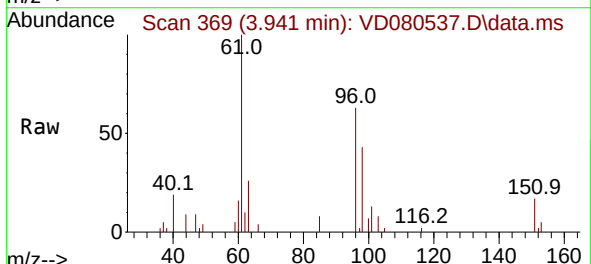
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

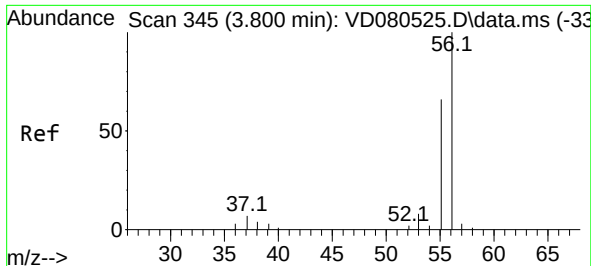
Tgt Ion: 59 Resp: 796
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#



#12
1,1-Dichloroethene
Concen: 5.152 ug/l
RT: 3.941 min Scan# 369
Delta R.T. -0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion: 96 Resp: 14919
Ion Ratio Lower Upper
96 100
61 159.8 116.2 174.2
98 68.5 47.6 71.4





#13

Acrolein

Concen: 26.116 ug/l

RT: 3.806 min Scan# 34

Delta R.T. 0.006 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

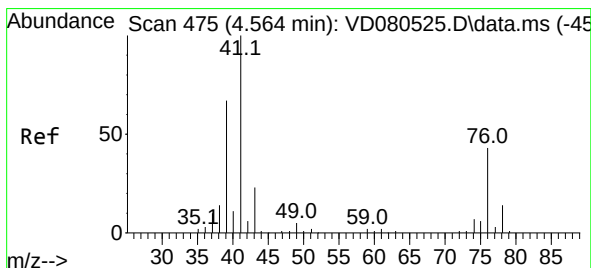
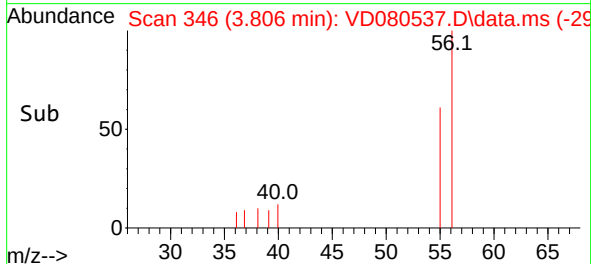
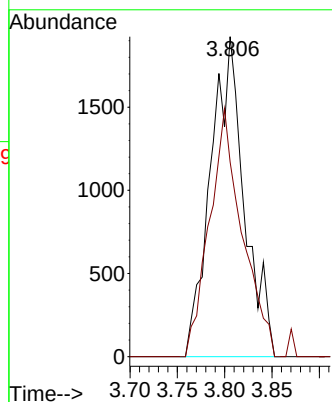
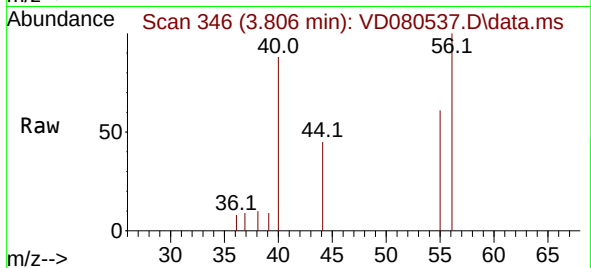
LOQ-SOIL-02-QT4-2025

Tgt Ion: 56 Resp: 4768

Ion Ratio Lower Upper

56 100

55 75.4 57.2 85.8



#14

Allyl chloride

Concen: 4.647 ug/l

RT: 4.570 min Scan# 476

Delta R.T. 0.006 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

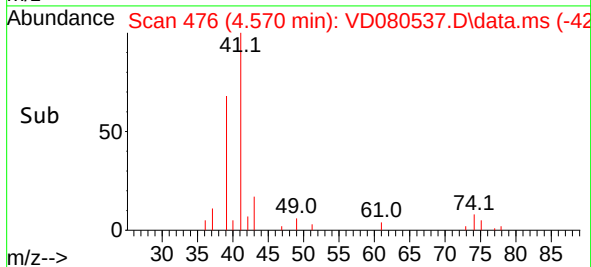
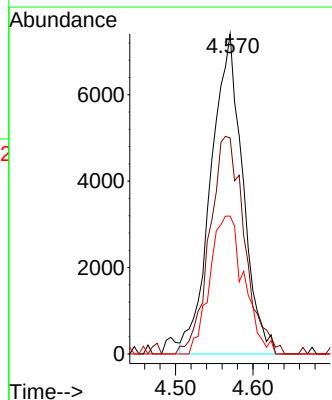
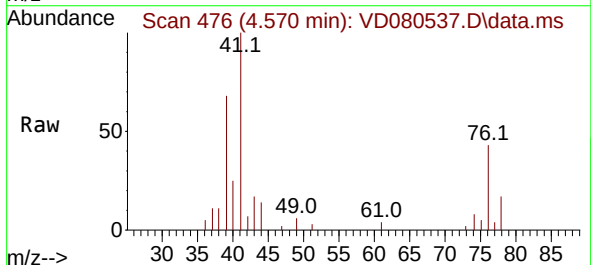
Tgt Ion: 41 Resp: 21014

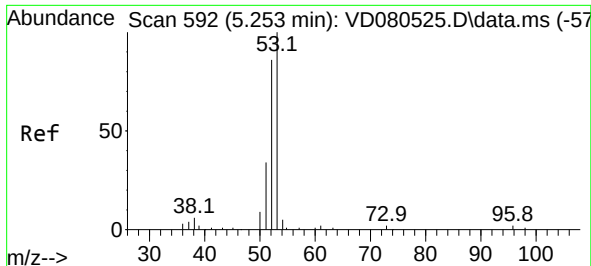
Ion Ratio Lower Upper

41 100

39 75.1 51.4 77.2

76 46.6 32.6 48.8

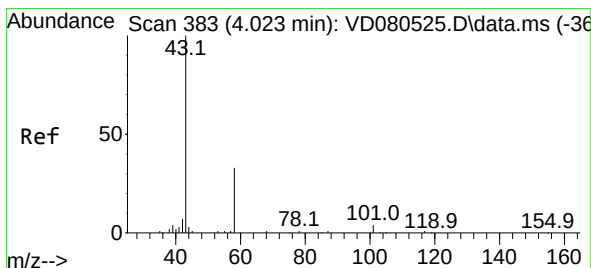
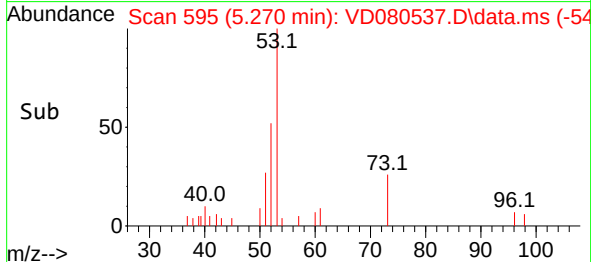
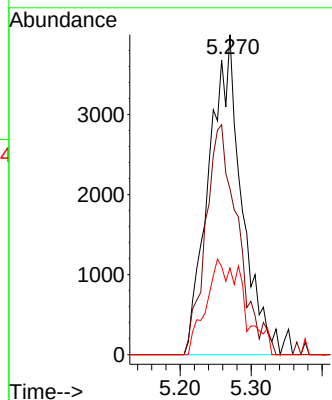
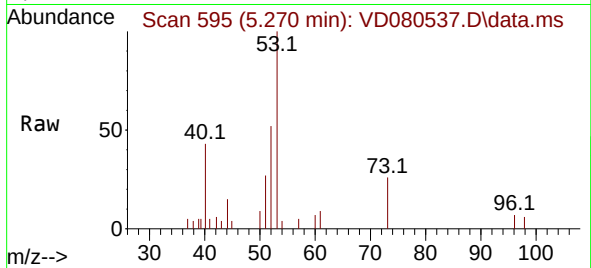




#15
Acrylonitrile
Concen: 26.391 ug/l
RT: 5.270 min Scan# 592
Delta R.T. 0.018 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

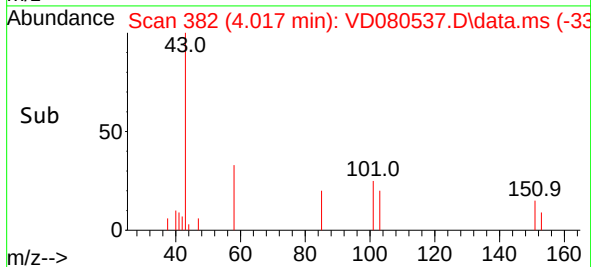
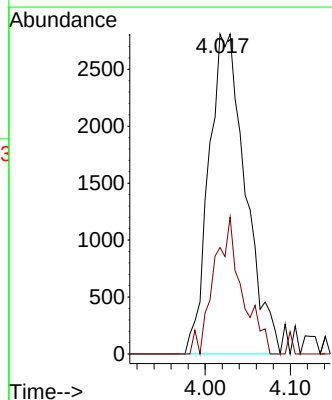
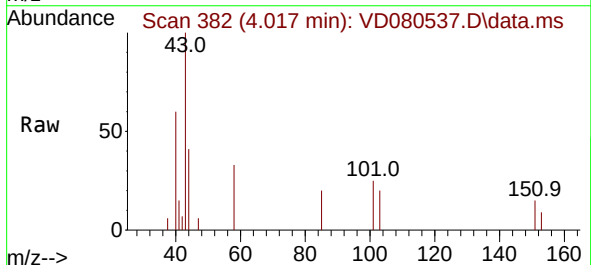
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

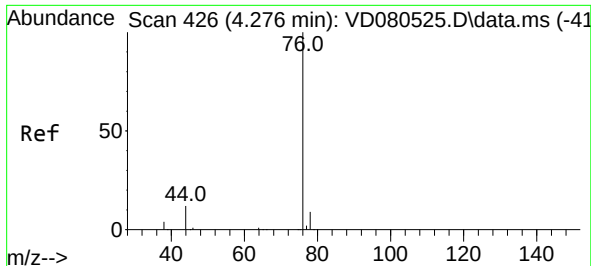
Tgt Ion:	53	Resp:	12782
Ion	Ratio	Lower	Upper
53	100		
52	71.4	64.9	97.3
51	18.3	28.8	43.2



#16
Acetone
Concen: 25.434 ug/l
RT: 4.017 min Scan# 382
Delta R.T. -0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion:	43	Resp:	8379
Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.6	40.0





#17

Carbon Disulfide

Concen: 4.879 ug/l

RT: 4.276 min Scan# 41

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

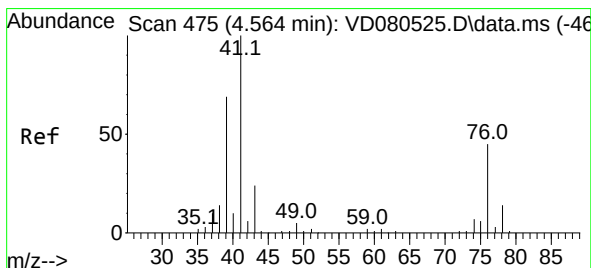
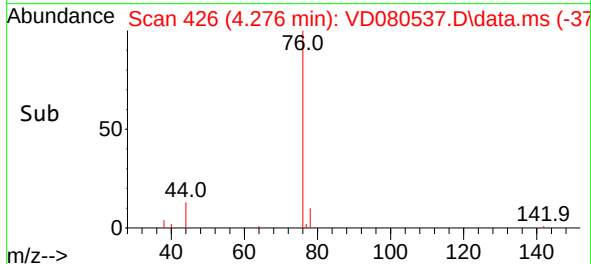
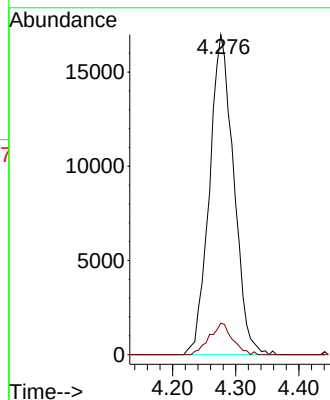
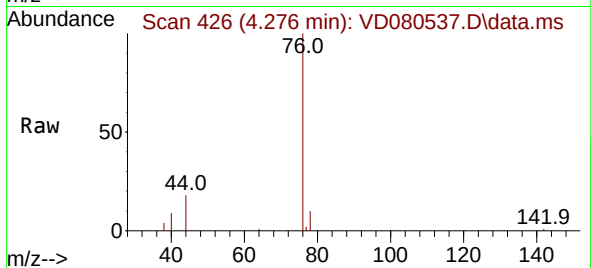
LOQ-SOIL-02-QT4-2025

Tgt Ion: 76 Resp: 45463

Ion Ratio Lower Upper

76 100

78 9.8 7.0 10.6



#18

Methyl Acetate

Concen: 4.622 ug/l

RT: 4.564 min Scan# 475

Delta R.T. 0.000 min

Lab File: VD080537.D

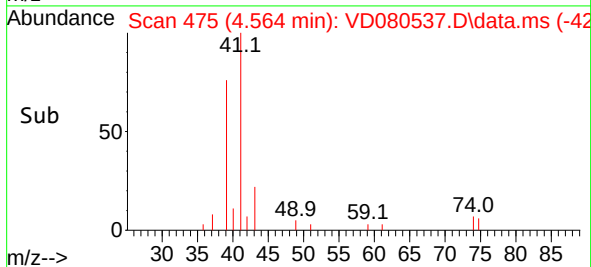
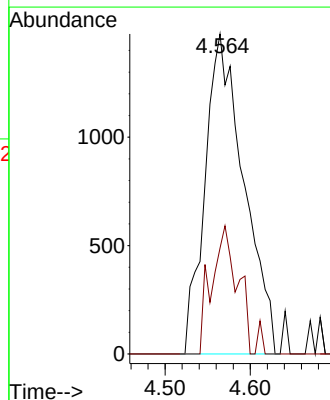
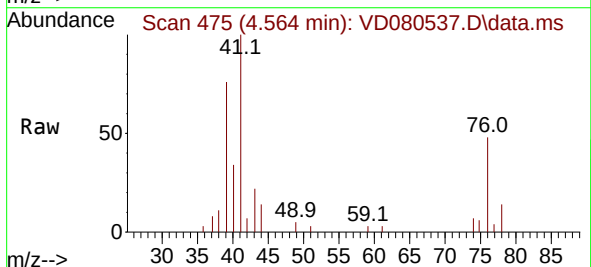
Acq: 18 Nov 2025 12:58

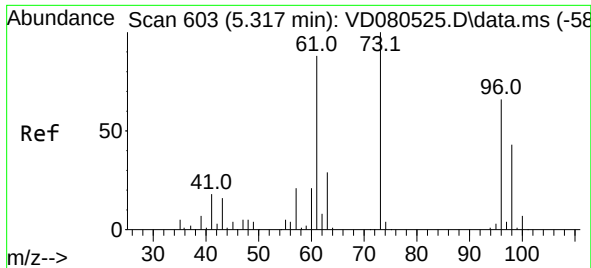
Tgt Ion: 43 Resp: 4683

Ion Ratio Lower Upper

43 100

74 26.7 21.7 32.5

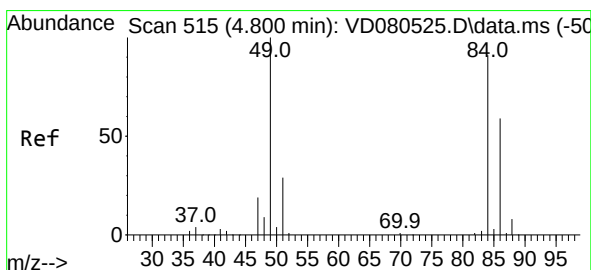
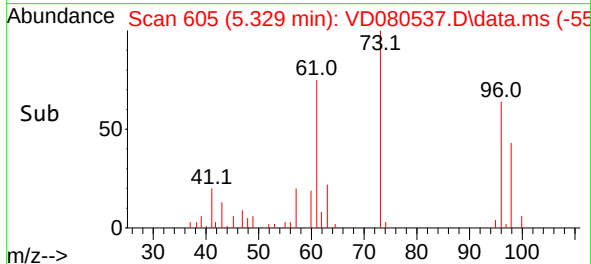
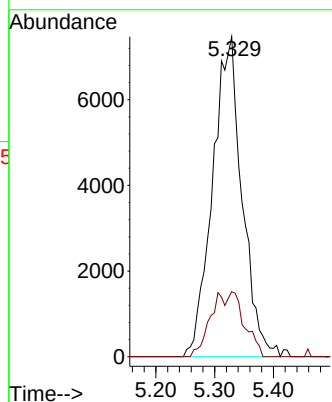
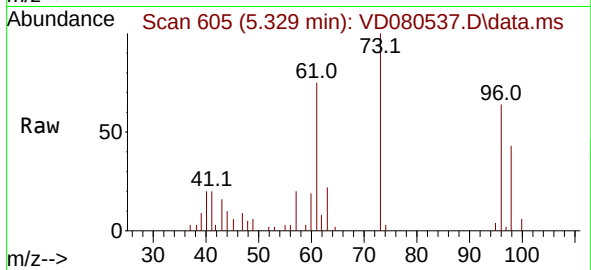




#19
Methyl tert-butyl Ether
Concen: 5.082 ug/l
RT: 5.329 min Scan# 603
Delta R.T. 0.012 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

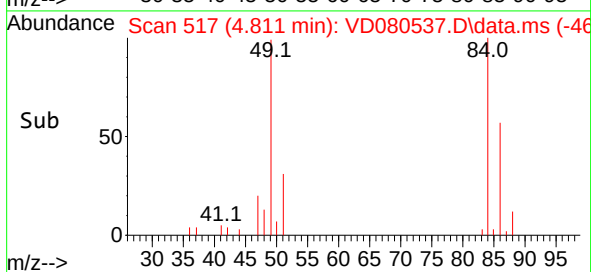
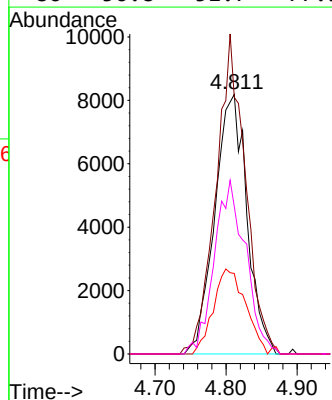
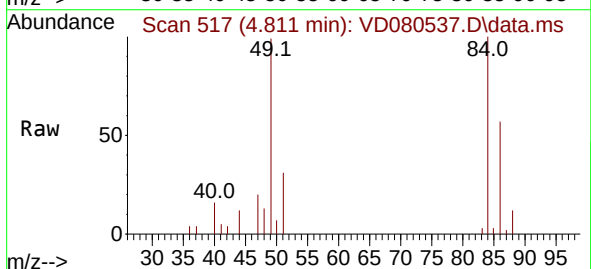
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

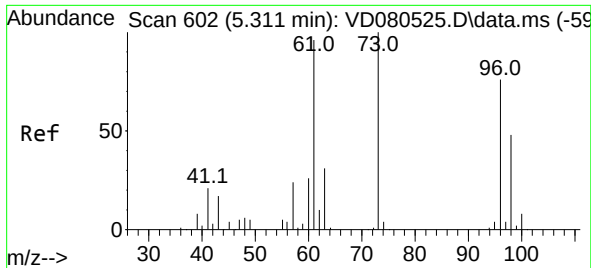
Tgt Ion: 73 Resp: 26090
Ion Ratio Lower Upper
73 100
57 20.3 17.1 25.7



#20
Methylene Chloride
Concen: 7.733 ug/l
RT: 4.811 min Scan# 517
Delta R.T. 0.012 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion: 84 Resp: 25719
Ion Ratio Lower Upper
84 100
49 98.9 87.9 131.9
51 31.0 25.4 38.2
86 56.8 51.7 77.5

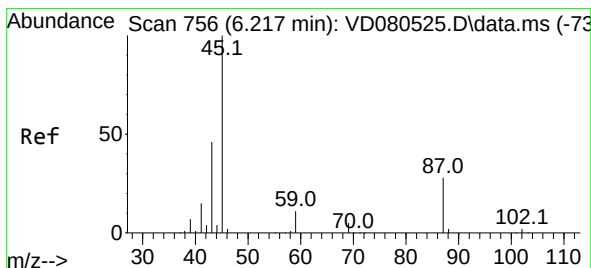
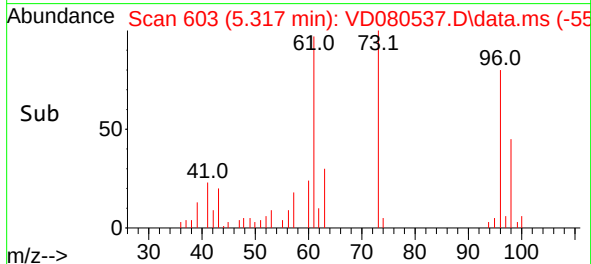
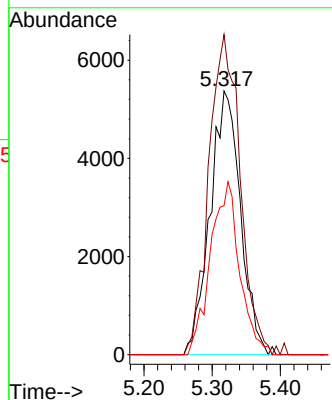
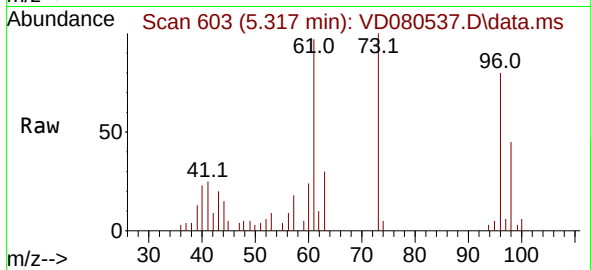




#21
trans-1,2-Dichloroethene
Concen: 5.171 ug/l
RT: 5.317 min Scan# 602
Delta R.T. 0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

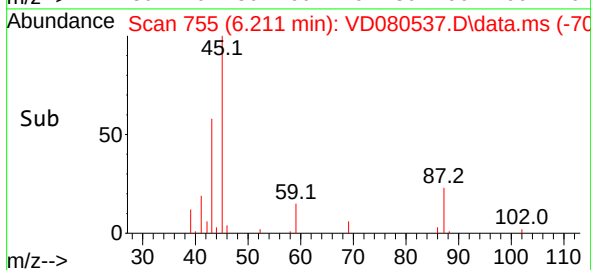
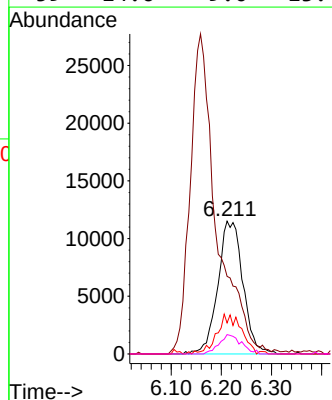
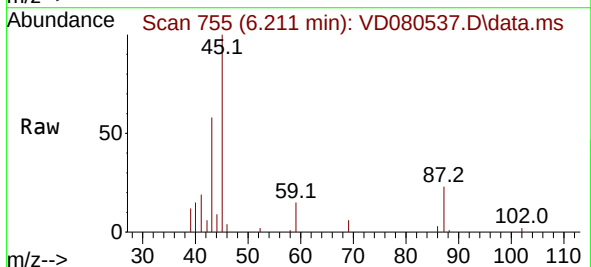
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

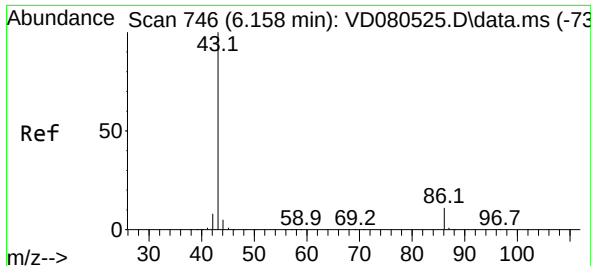
Tgt Ion: 96 Resp: 16698
Ion Ratio Lower Upper
96 100
61 121.4 102.0 153.0
98 56.5 50.5 75.7



#22
Diisopropyl ether
Concen: 4.895 ug/l
RT: 6.211 min Scan# 755
Delta R.T. -0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion: 45 Resp: 40002
Ion Ratio Lower Upper
45 100
43 56.7 40.6 60.8
87 23.4 23.0 34.6
59 14.6 9.0 13.4#

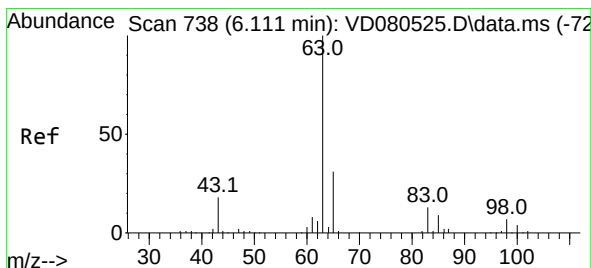
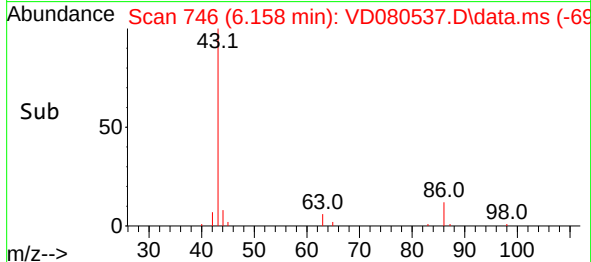
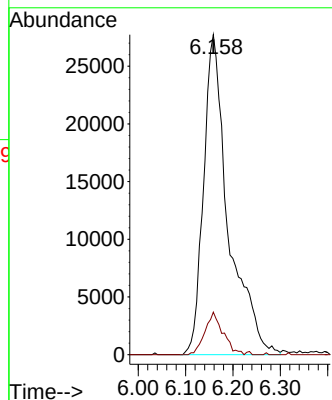
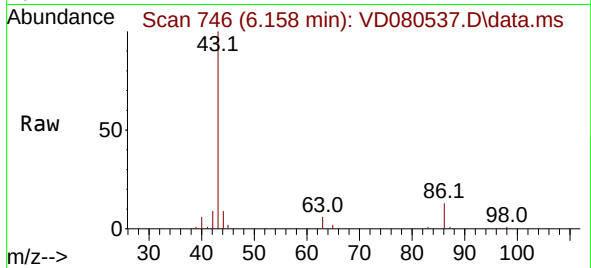




#23
 Vinyl Acetate
 Concen: 23.755 ug/l
 RT: 6.158 min Scan# 746
 Delta R.T. 0.000 min
 Lab File: VD080537.D
 Acq: 18 Nov 2025 12:58

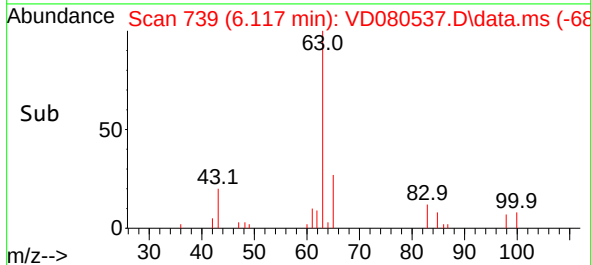
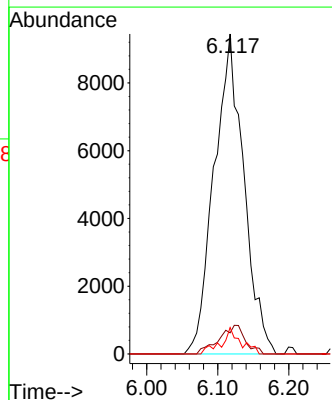
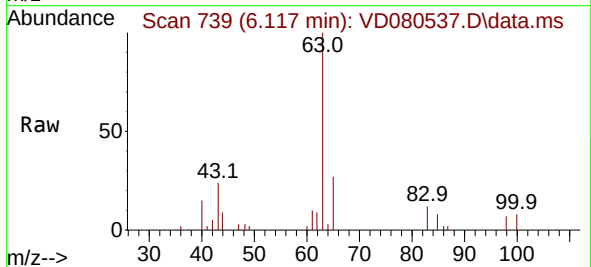
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025

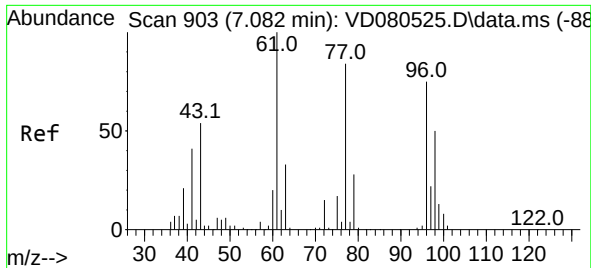
Tgt Ion: 43 Resp: 101093
 Ion Ratio Lower Upper
 43 100
 86 13.3 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 4.893 ug/l
 RT: 6.117 min Scan# 739
 Delta R.T. 0.006 min
 Lab File: VD080537.D
 Acq: 18 Nov 2025 12:58

Tgt Ion: 63 Resp: 27338
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.4
 100 8.3 2.0 6.0#

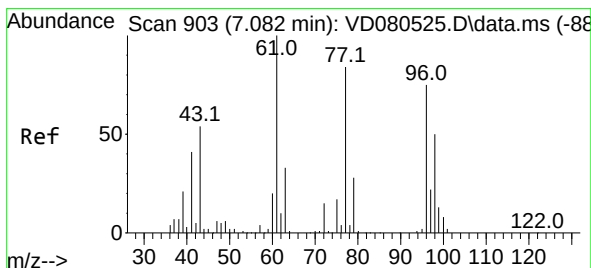
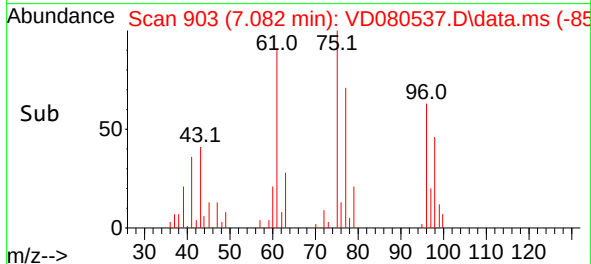
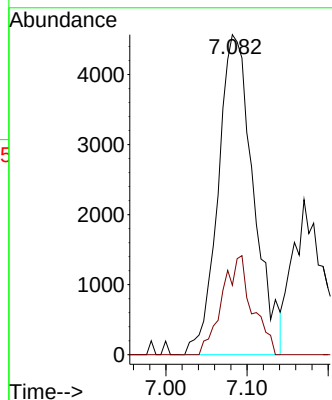
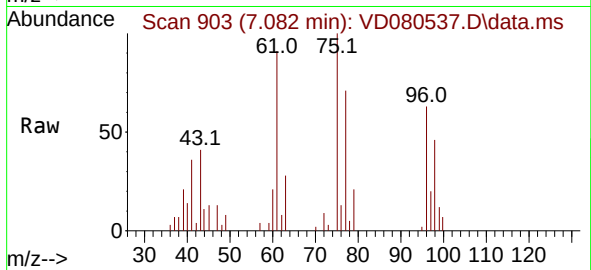




#25
2-Butanone
Concen: 26.862 ug/l
RT: 7.082 min Scan# 902
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

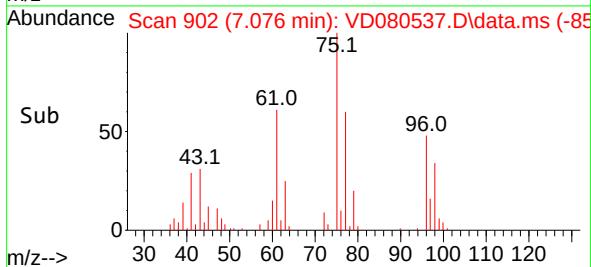
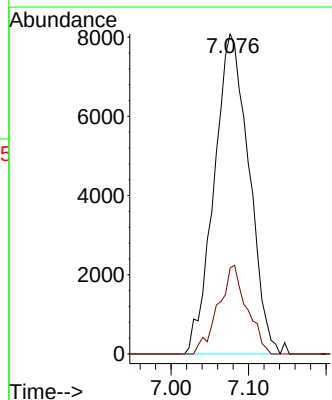
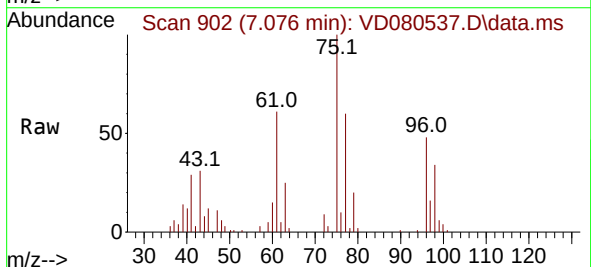
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

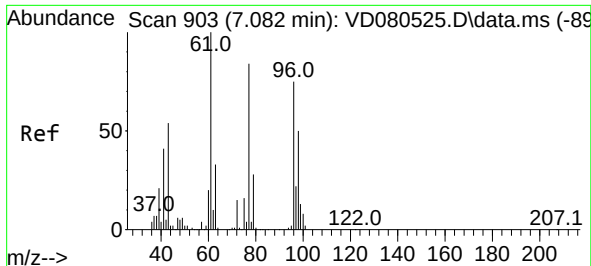
Tgt Ion: 43 Resp: 13876
Ion Ratio Lower Upper
43 100
72 21.7 22.6 34.0#



#26
2,2-Dichloropropane
Concen: 5.251 ug/l
RT: 7.076 min Scan# 902
Delta R.T. -0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion: 77 Resp: 25232
Ion Ratio Lower Upper
77 100
97 22.7 12.4 37.4

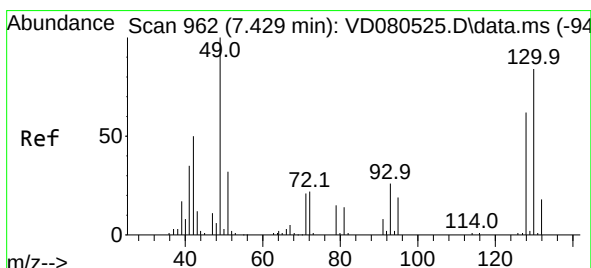
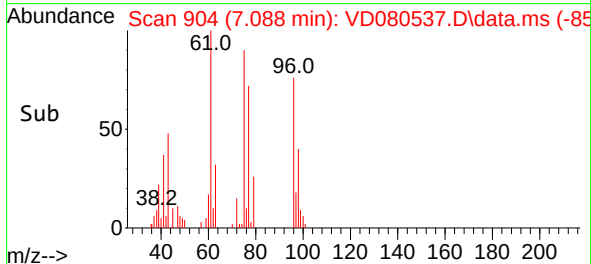
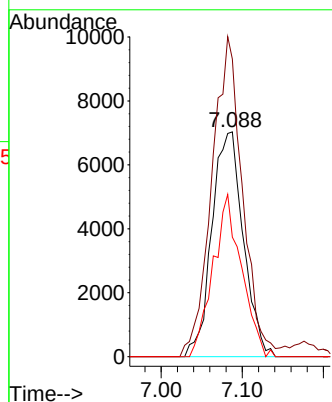
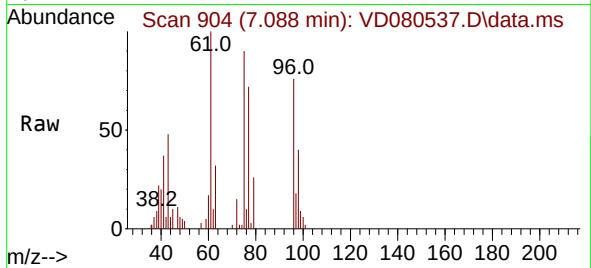




#27
 cis-1,2-Dichloroethene
 Concen: 5.028 ug/l
 RT: 7.088 min Scan# 904
 Delta R.T. 0.006 min
 Lab File: VD080537.D
 Acq: 18 Nov 2025 12:58

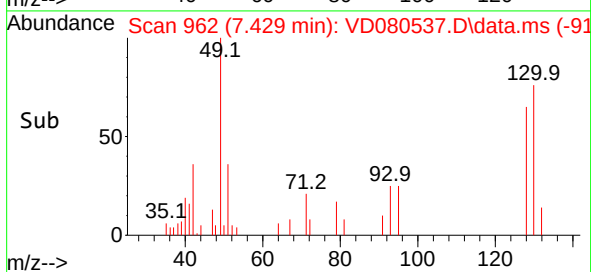
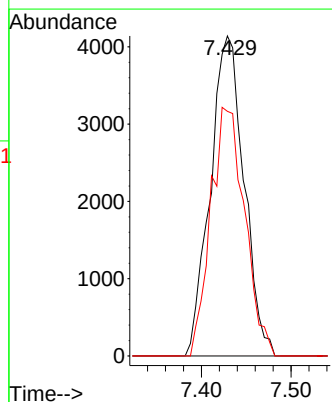
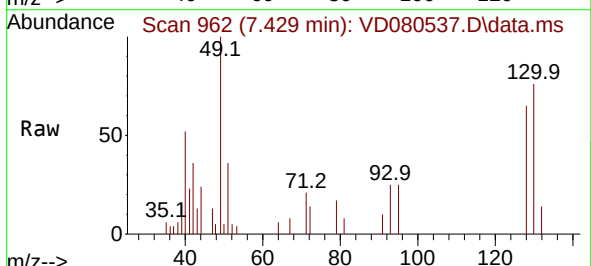
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025

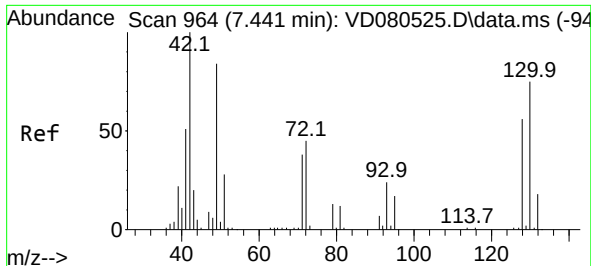
Tgt Ion:	96	Resp:	18918
Ion	Ratio	Lower	Upper
96	100		
61	139.1	0.0	271.8
98	65.5	0.0	130.6



#28
 Bromochloromethane
 Concen: 5.272 ug/l
 RT: 7.429 min Scan# 962
 Delta R.T. 0.000 min
 Lab File: VD080537.D
 Acq: 18 Nov 2025 12:58

Tgt Ion:	49	Resp:	10781
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	78.6	64.3	96.5





#29

Tetrahydrofuran

Concen: 23.458 ug/l

RT: 7.452 min Scan# 90

Delta R.T. 0.012 min

Lab File: VD080537.D

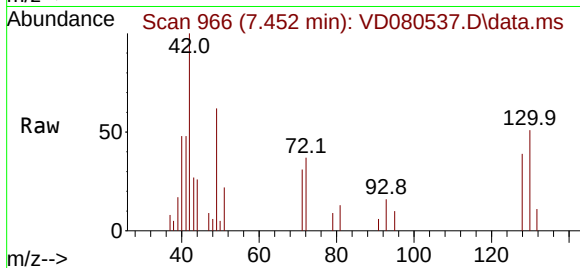
Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2025



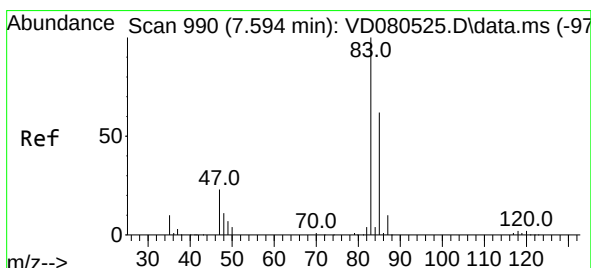
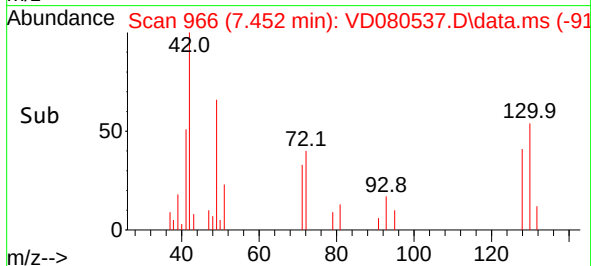
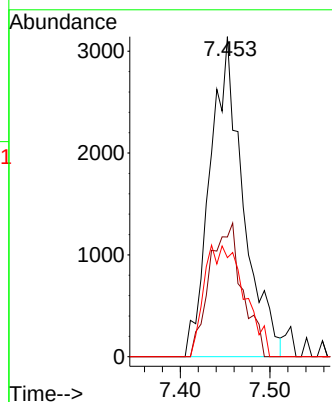
Tgt Ion: 42 Resp: 8073

Ion Ratio Lower Upper

42 100

72 41.1 35.4 53.2

71 0.0 32.2 48.4#



#30

Chloroform

Concen: 5.259 ug/l

RT: 7.600 min Scan# 991

Delta R.T. 0.006 min

Lab File: VD080537.D

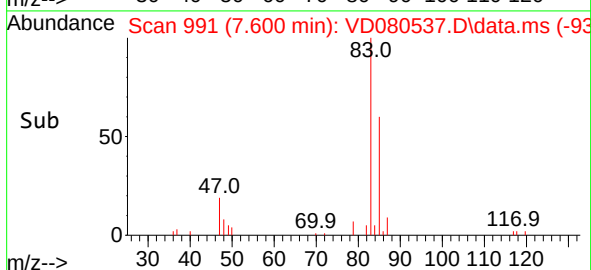
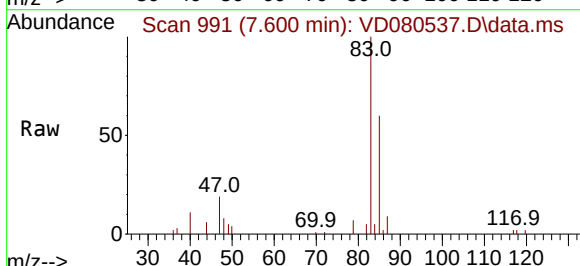
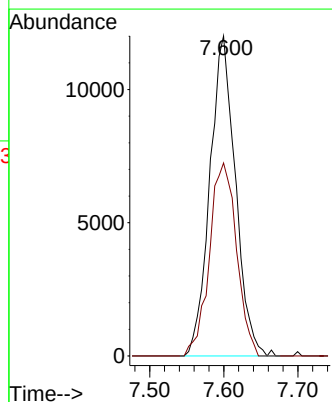
Acq: 18 Nov 2025 12:58

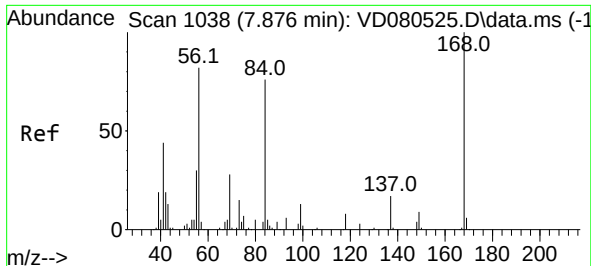
Tgt Ion: 83 Resp: 28816

Ion Ratio Lower Upper

83 100

85 60.3 49.8 74.8

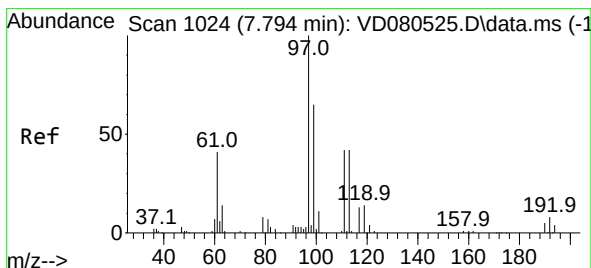
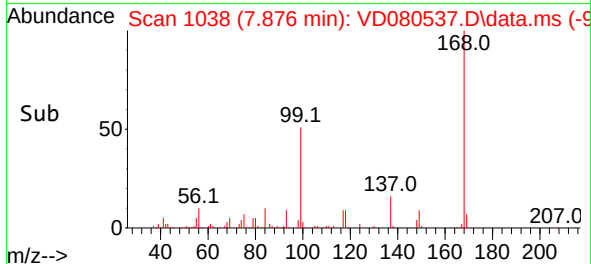
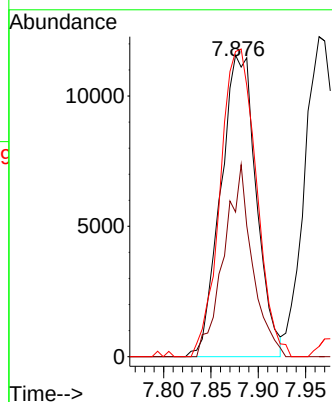
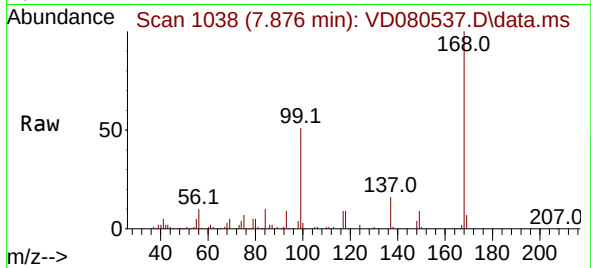




#31
Cyclohexane
Concen: 5.652 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

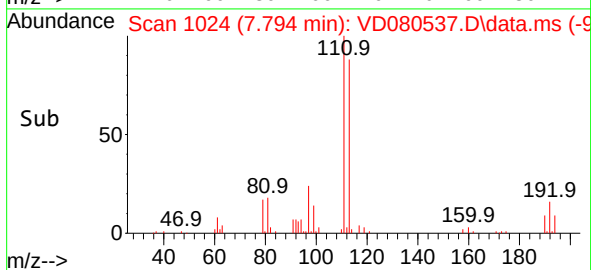
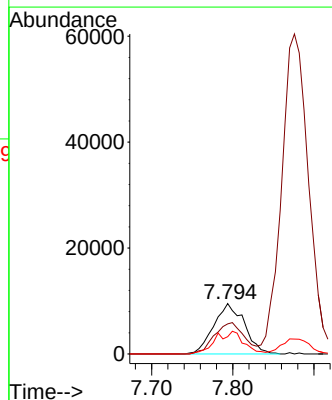
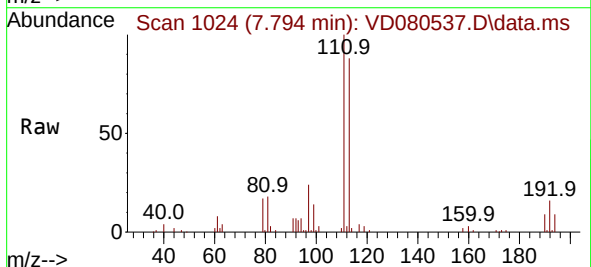
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

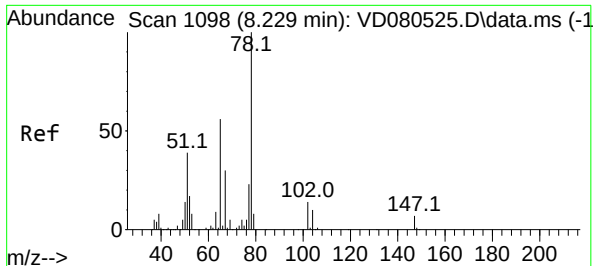
Tgt Ion: 56 Resp: 30253
Ion Ratio Lower Upper
56 100
69 48.0 27.6 41.4#
84 101.2 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 5.184 ug/l
RT: 7.794 min Scan# 1024
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion: 97 Resp: 24951
Ion Ratio Lower Upper
97 100
99 60.4 50.4 75.6
61 41.4 32.8 49.2





#33

1,2-Dichloroethane-d4

Concen: 50.338 ug/l

RT: 8.229 min Scan# 1109

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

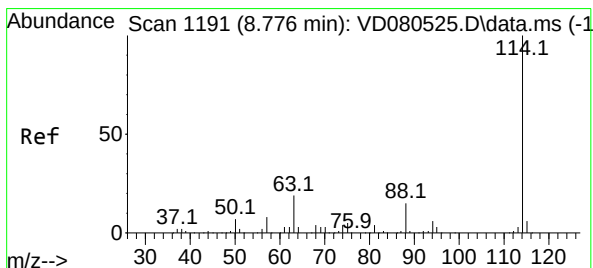
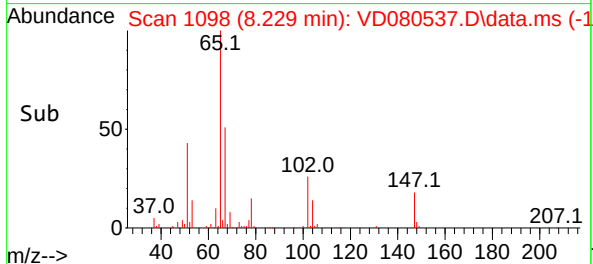
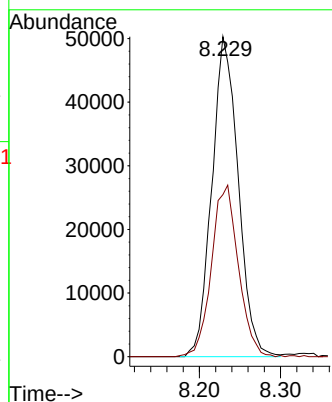
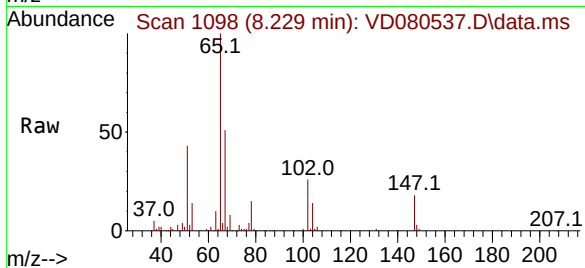
LOQ-SOIL-02-QT4-2025

Tgt Ion: 65 Resp: 113434

Ion Ratio Lower Upper

65 100

67 54.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

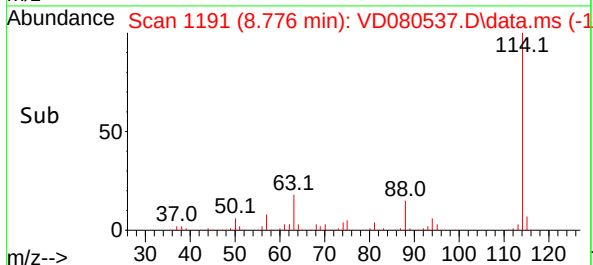
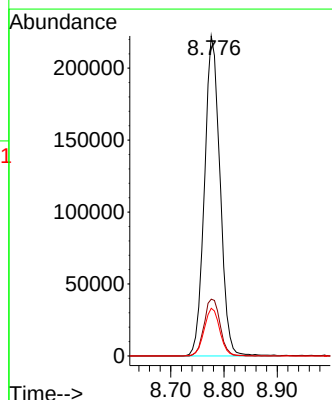
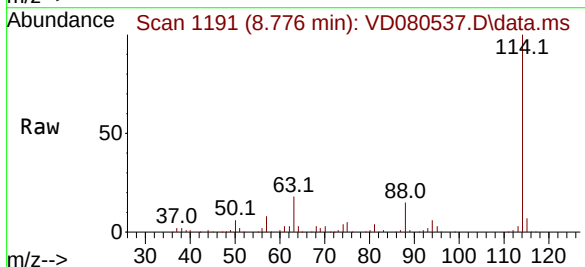
Tgt Ion: 114 Resp: 450410

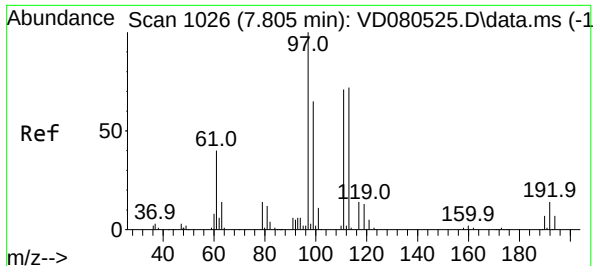
Ion Ratio Lower Upper

114 100

63 17.7 0.0 38.2

88 14.9 0.0 29.6

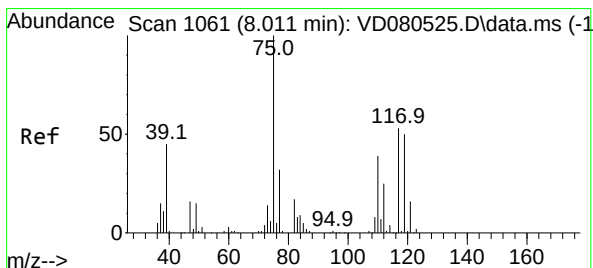
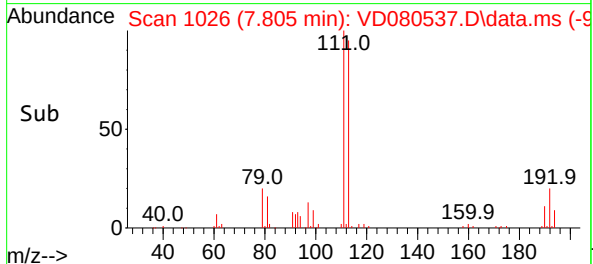
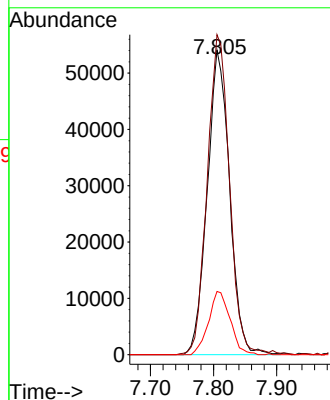
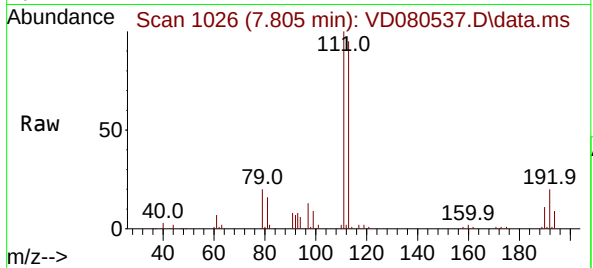




#35
Dibromofluoromethane
Concen: 50.105 ug/l
RT: 7.805 min Scan# 1026
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

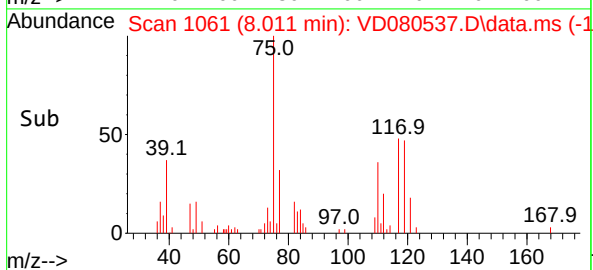
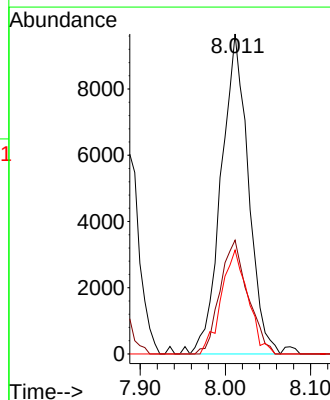
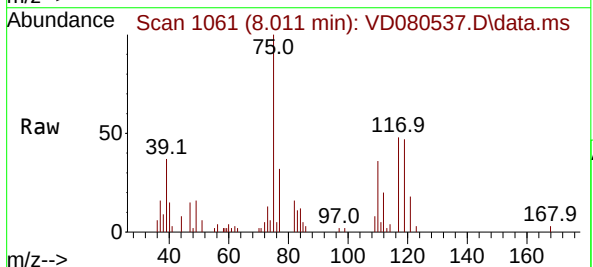
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

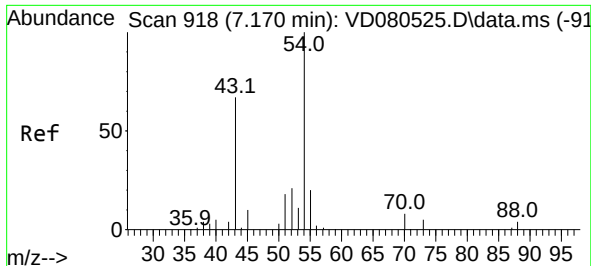
Tgt Ion:113 Resp: 132862
Ion Ratio Lower Upper
113 100
111 104.8 82.2 123.2
192 20.0 16.0 24.0



#36
1,1-Dichloropropene
Concen: 5.222 ug/l
RT: 8.011 min Scan# 1061
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion: 75 Resp: 21404
Ion Ratio Lower Upper
75 100
110 36.6 18.9 56.5
77 31.9 25.8 38.8





#37

Ethyl Acetate

Concen: 4.601 ug/l

RT: 7.170 min Scan# 918

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2025

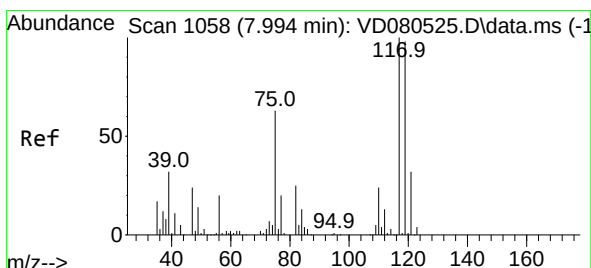
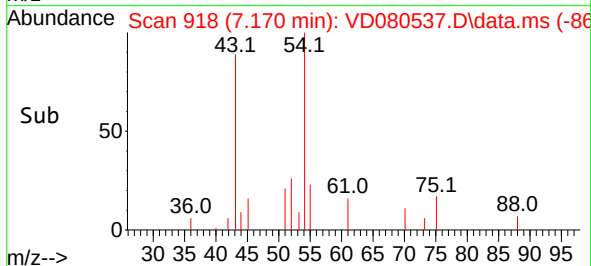
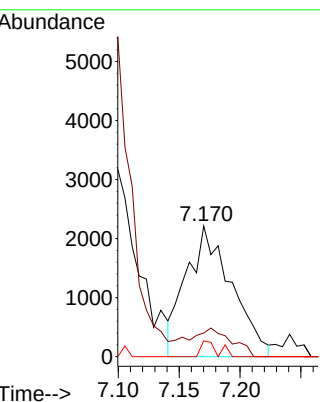
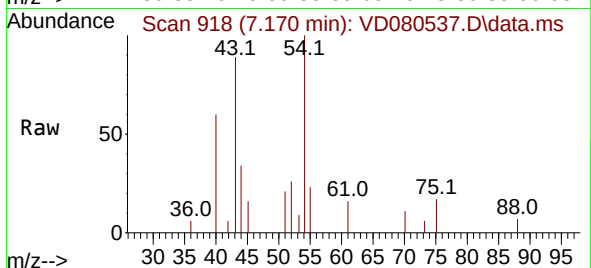
Tgt Ion: 43 Resp: 5705

Ion Ratio Lower Upper

43 100

61 16.3 11.9 17.9

70 4.4 8.2 12.2#



#38

Carbon Tetrachloride

Concen: 5.019 ug/l

RT: 8.000 min Scan# 1059

Delta R.T. 0.006 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

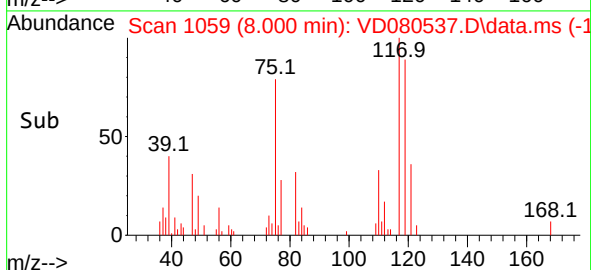
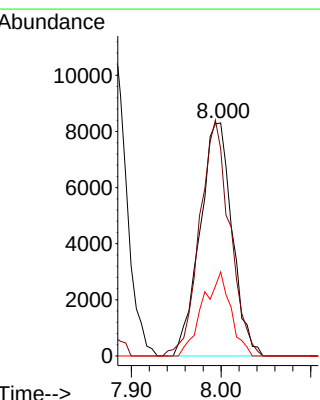
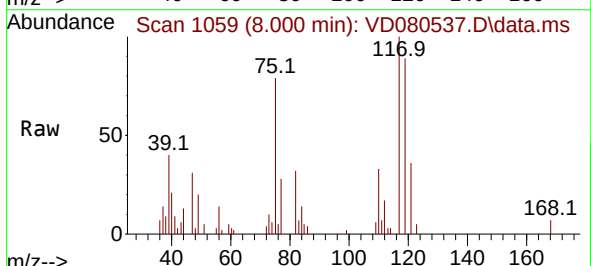
Tgt Ion: 117 Resp: 20673

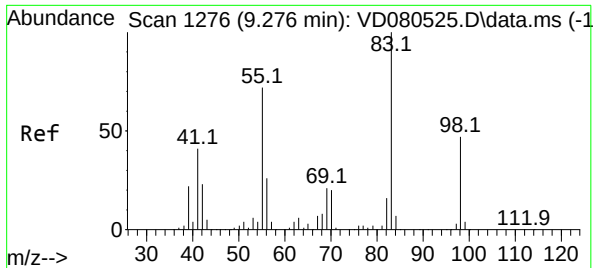
Ion Ratio Lower Upper

117 100

119 88.9 78.2 117.4

121 36.1 25.8 38.6





#39

Methylcyclohexane

Concen: 5.108 ug/l

RT: 9.276 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2025

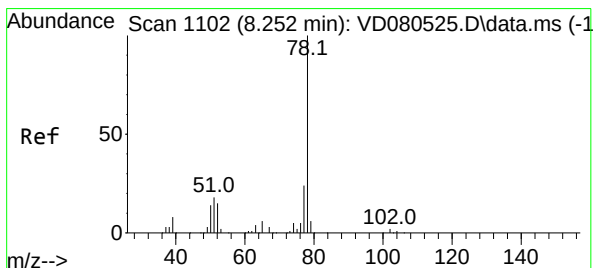
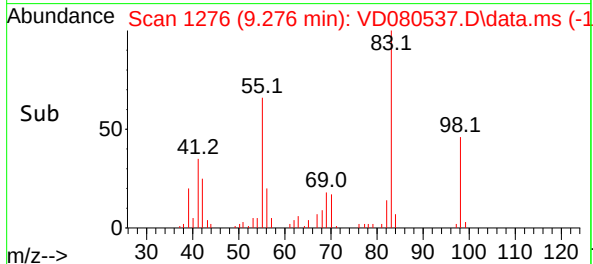
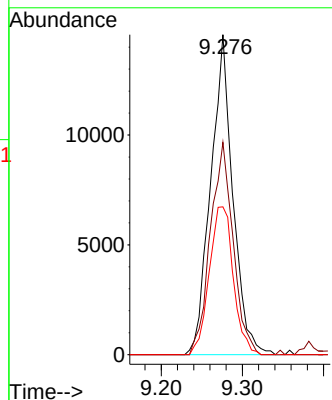
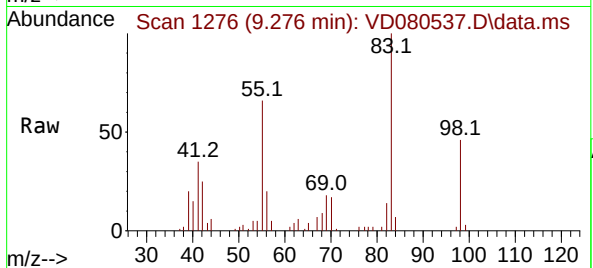
Tgt Ion: 83 Resp: 27627

Ion Ratio Lower Upper

83 100

55 66.4 57.8 86.8

98 46.2 37.8 56.8



#40

Benzene

Concen: 5.016 ug/l

RT: 8.252 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VD080537.D

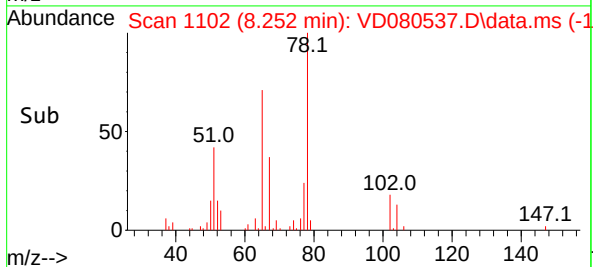
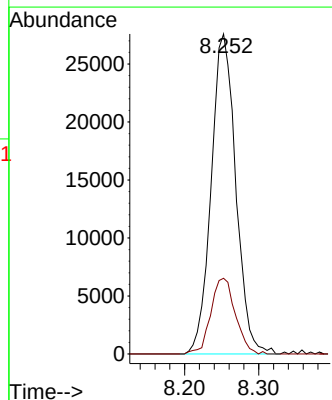
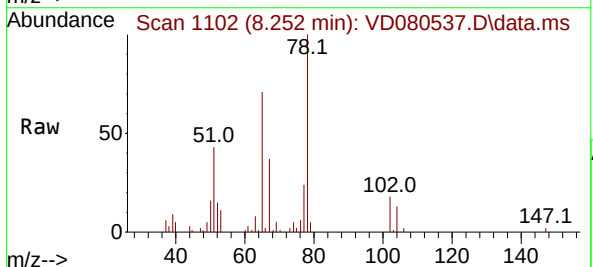
Acq: 18 Nov 2025 12:58

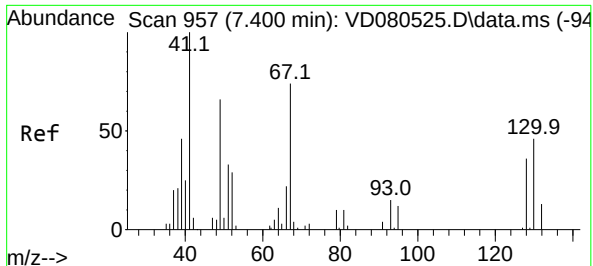
Tgt Ion: 78 Resp: 63666

Ion Ratio Lower Upper

78 100

77 23.6 19.3 28.9

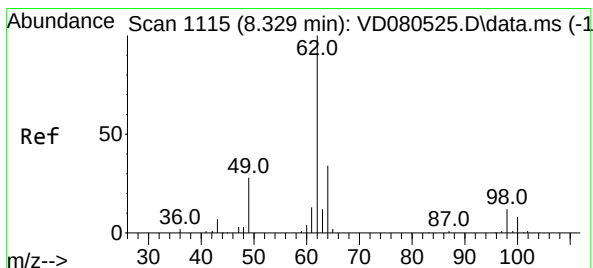
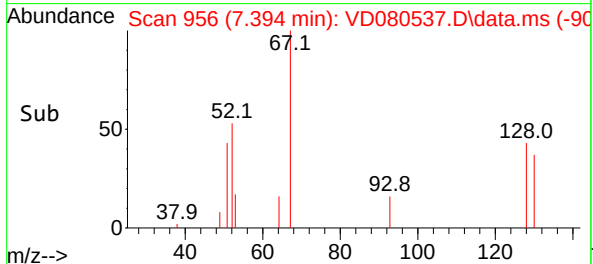
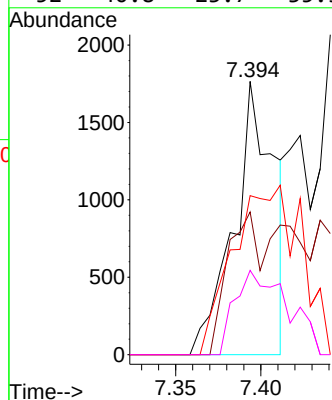
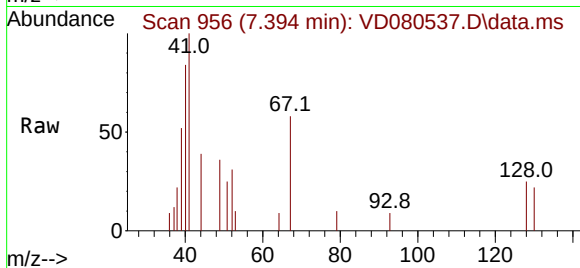




#41
Methacrylonitrile
Concen: 3.546 ug/l
RT: 7.394 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

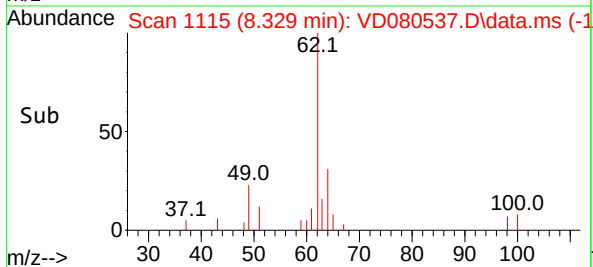
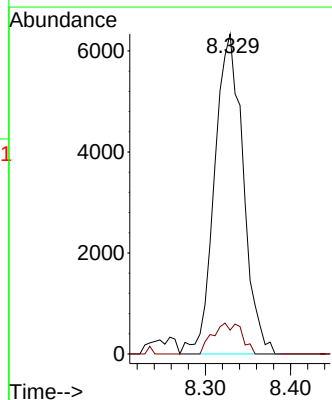
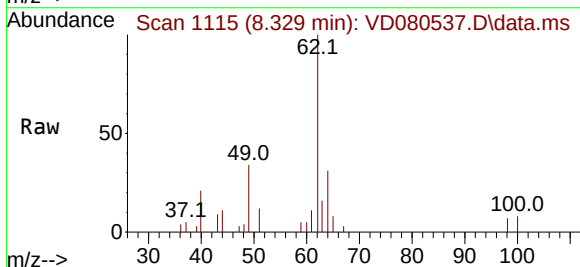
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

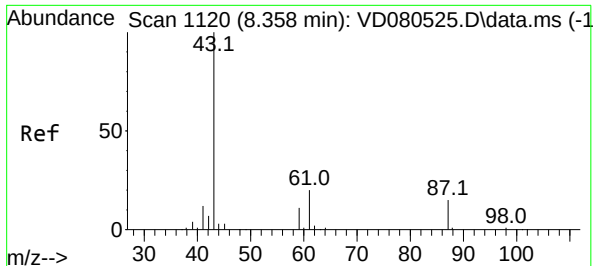
Tgt Ion:	41	Resp:	2872
Ion	Ratio	Lower	Upper
41	100		
39	41.3	44.3	66.5#
67	0.0	64.0	96.0#
52	40.8	23.7	35.5#



#42
1,2-Dichloroethane
Concen: 5.572 ug/l
RT: 8.329 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion:	62	Resp:	14759
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	22.8

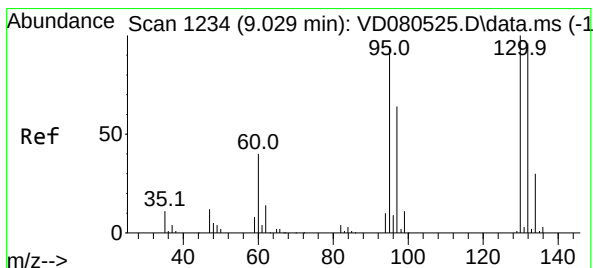
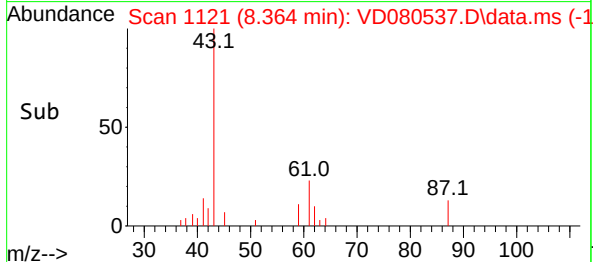
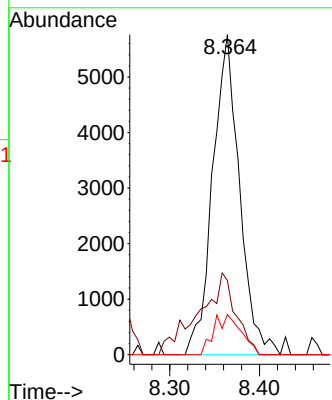
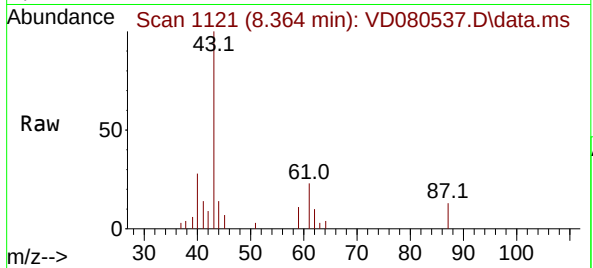




#43
Isopropyl Acetate
Concen: 4.923 ug/l
RT: 8.364 min Scan# 1121
Delta R.T. 0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

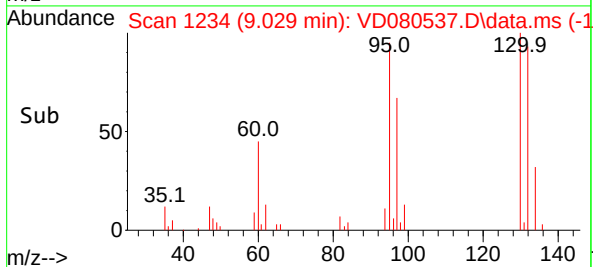
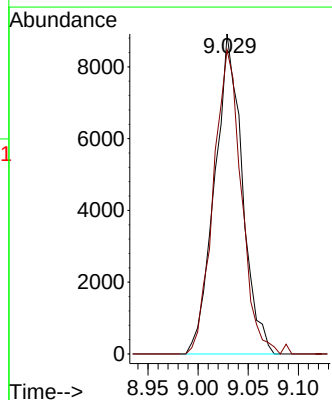
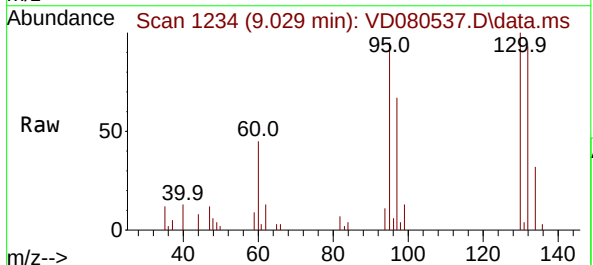
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

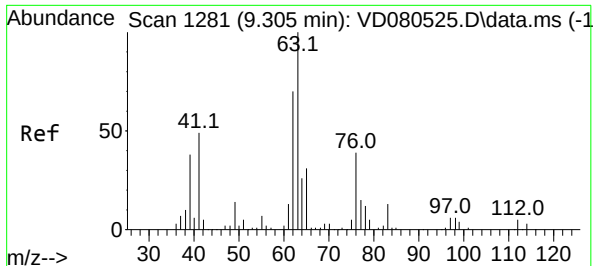
Tgt Ion: 43	Resp:	11974
Ion	Ratio	Lower Upper
43	100	
61	35.2	26.3 39.5
87	12.7	11.1 16.7



#44
Trichloroethene
Concen: 5.327 ug/l
RT: 9.029 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion: 130	Resp:	17093
Ion	Ratio	Lower Upper
130	100	
95	95.1	0.0 188.2





#45

1,2-Dichloropropane

Concen: 4.911 ug/l

RT: 9.305 min Scan# 1281

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

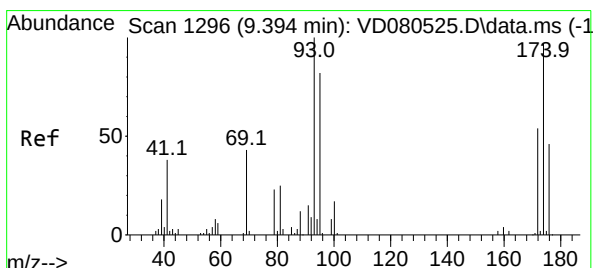
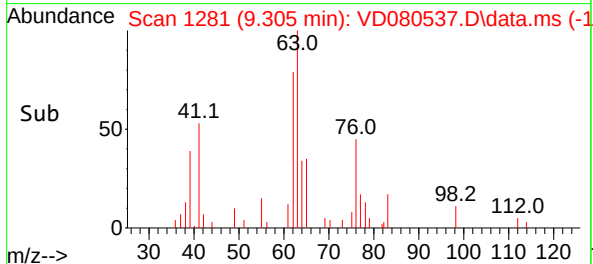
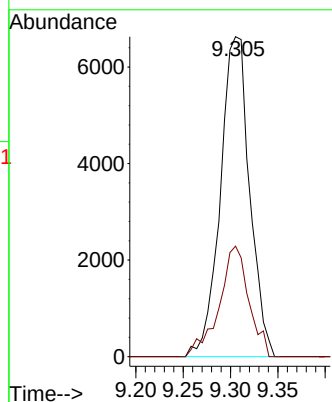
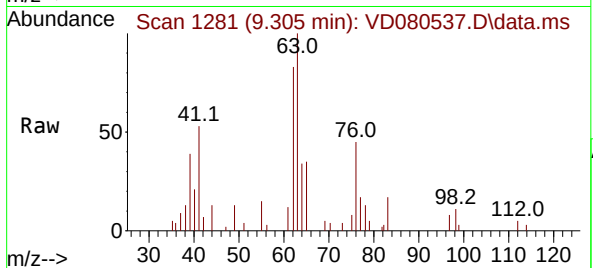
LOQ-SOIL-02-QT4-2025

Tgt Ion: 63 Resp: 14271

Ion Ratio Lower Upper

63 100

65 34.6 24.9 37.3



#46

Dibromomethane

Concen: 4.999 ug/l

RT: 9.394 min Scan# 1296

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

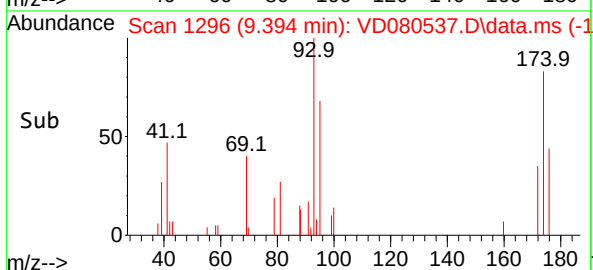
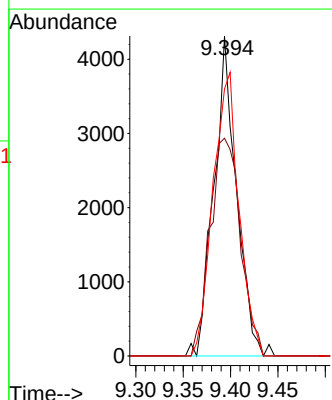
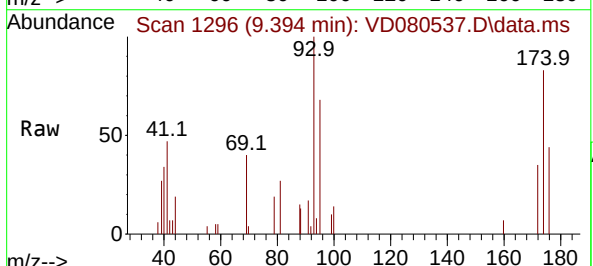
Tgt Ion: 93 Resp: 7166

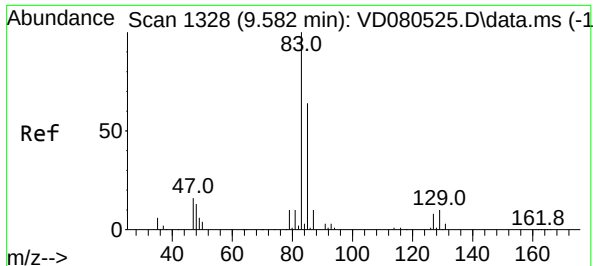
Ion Ratio Lower Upper

93 100

95 91.3 68.2 102.2

174 101.7 79.5 119.3





#47

Bromodichloromethane

Concen: 5.056 ug/l

RT: 9.588 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

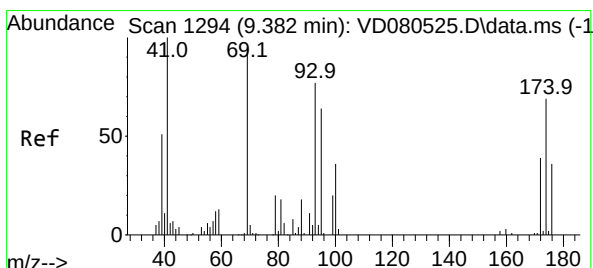
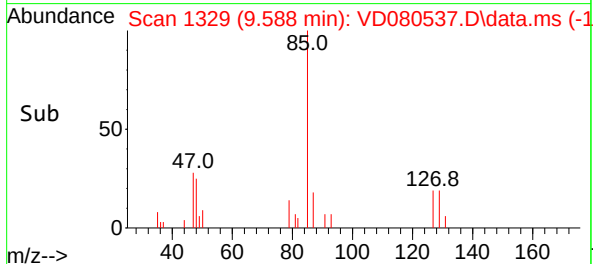
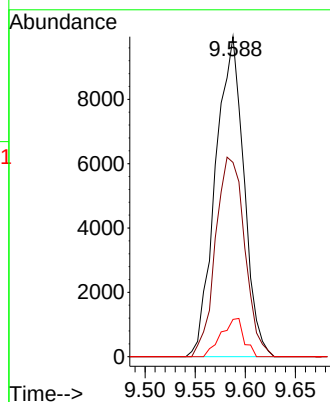
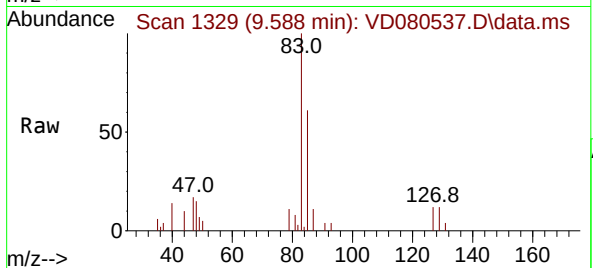
Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2025

Tgt Ion: 83	Resp:	19574
Ion	Ratio	Lower Upper
83	100	
85	60.7	51.0 76.6
127	11.6	6.5 9.7#



#48

Methyl methacrylate

Concen: 5.092 ug/l

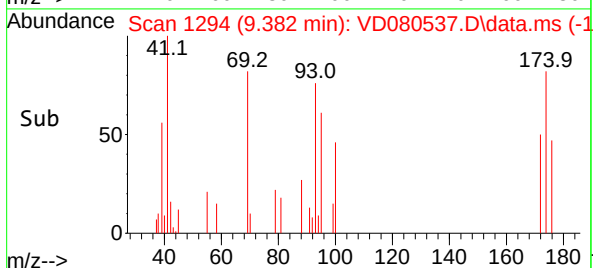
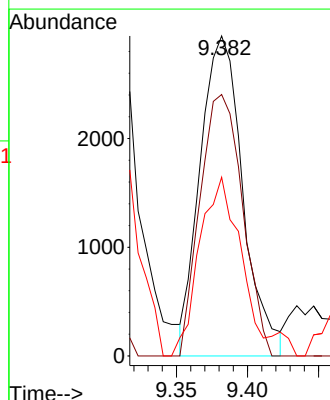
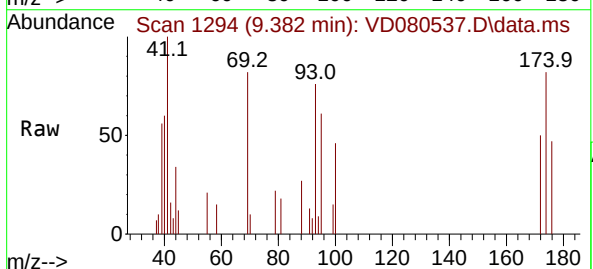
RT: 9.382 min Scan# 1294

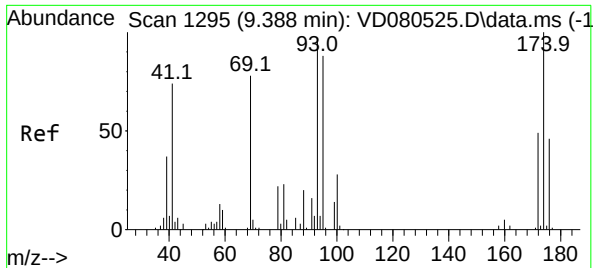
Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Tgt Ion: 41	Resp:	6147
Ion	Ratio	Lower Upper
41	100	
69	81.6	74.5 111.7
39	56.6	40.6 61.0

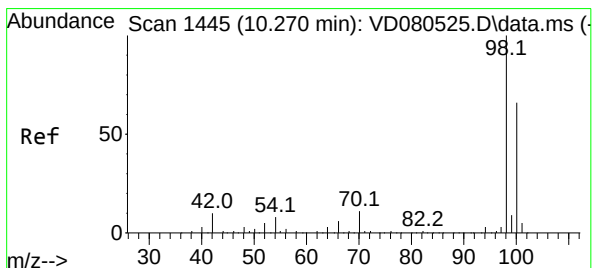
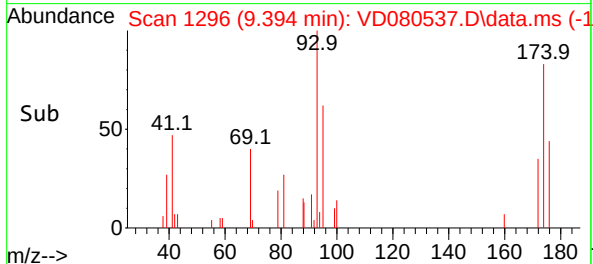
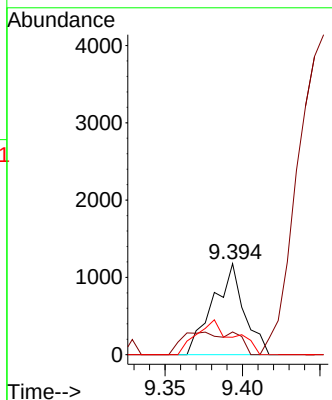
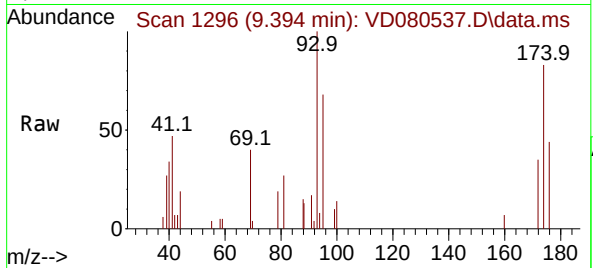




#49
 1,4-Dioxane
 Concen: 122.887 ug/l
 RT: 9.394 min Scan# 1296
 Delta R.T. 0.006 min
 Lab File: VD080537.D
 Acq: 18 Nov 2025 12:58

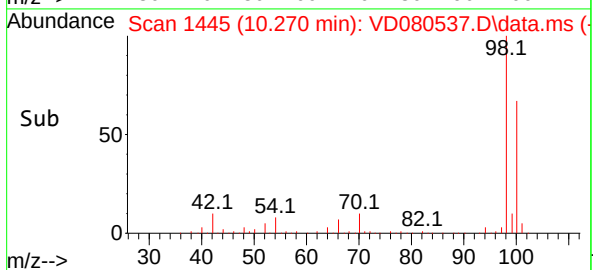
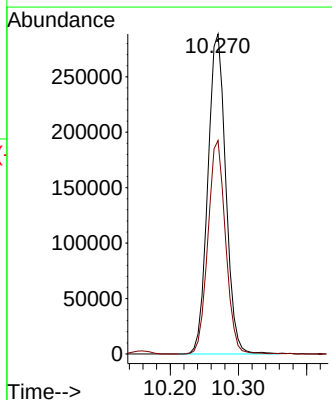
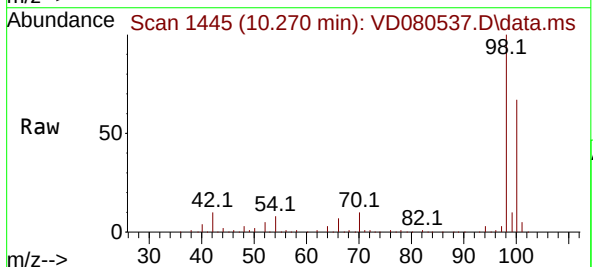
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025

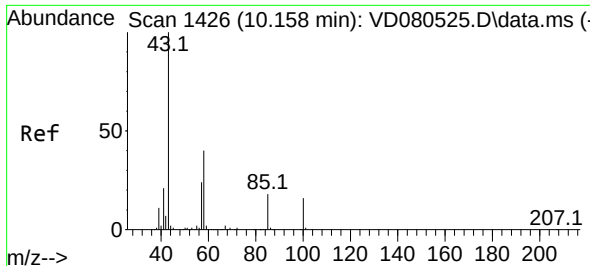
Tgt Ion:	88	Resp:	1642
Ion	Ratio	Lower	Upper
88	100		
43	43.1	28.0	42.0#
58	45.6	52.7	79.1#



#50
 Toluene-d8
 Concen: 49.251 ug/l
 RT: 10.270 min Scan# 1445
 Delta R.T. 0.000 min
 Lab File: VD080537.D
 Acq: 18 Nov 2025 12:58

Tgt Ion:	98	Resp:	528315
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0

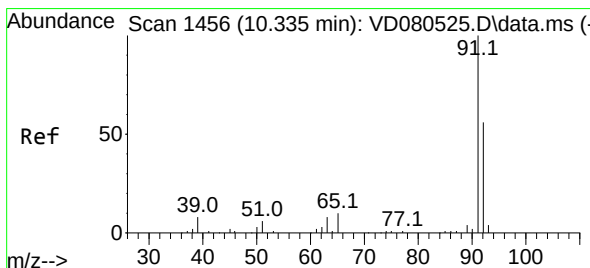
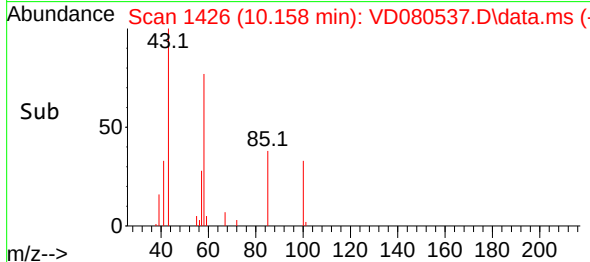
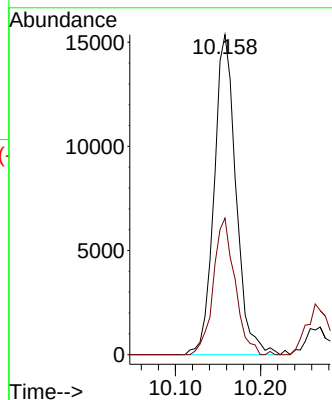
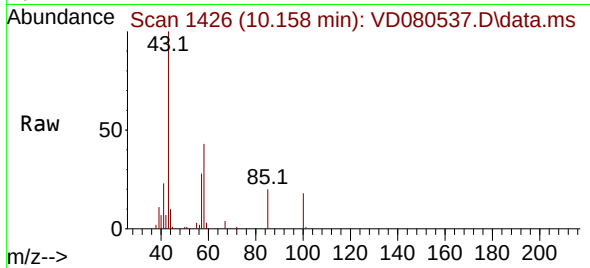




#51
4-Methyl-2-Pentanone
Concen: 24.261 ug/l
RT: 10.158 min Scan# 1426
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

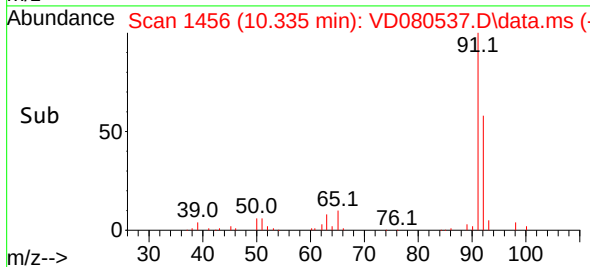
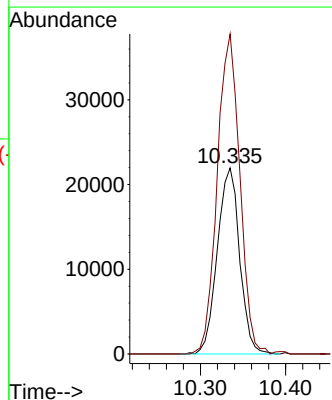
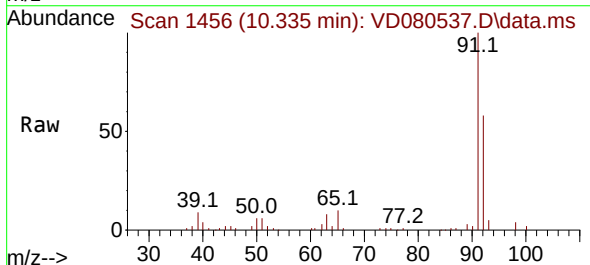
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

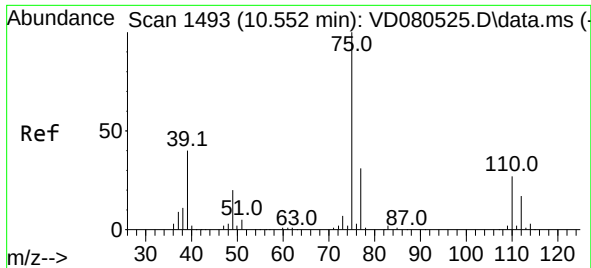
Tgt Ion: 43 Resp: 27378
Ion Ratio Lower Upper
43 100
58 42.0 32.8 49.2



#52
Toluene
Concen: 4.971 ug/l
RT: 10.335 min Scan# 1456
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion: 92 Resp: 39901
Ion Ratio Lower Upper
92 100
91 174.2 137.0 205.6

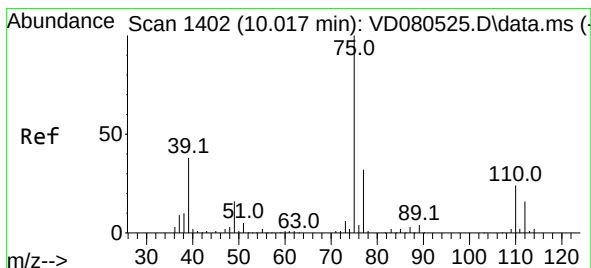
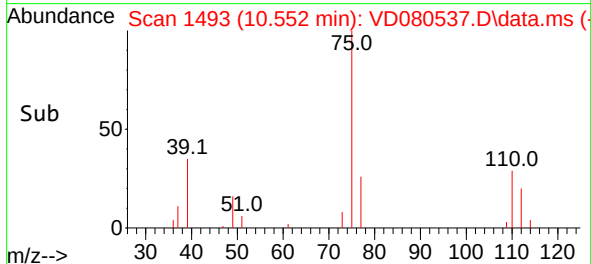
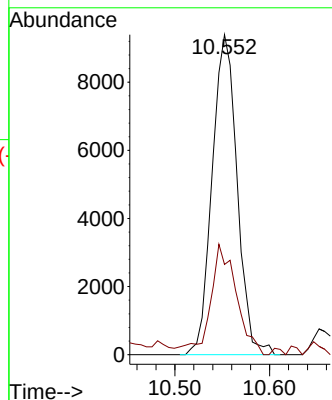
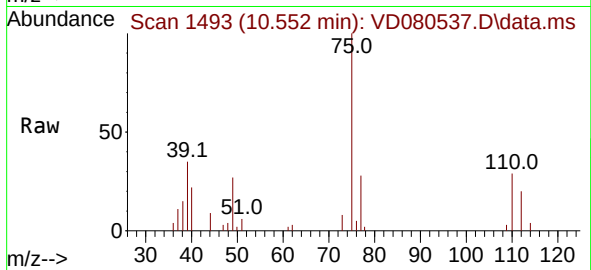




#53
 t-1,3-Dichloropropene
 Concen: 5.016 ug/l
 RT: 10.552 min Scan# 1493
 Delta R.T. 0.000 min
 Lab File: VD080537.D
 Acq: 18 Nov 2025 12:58

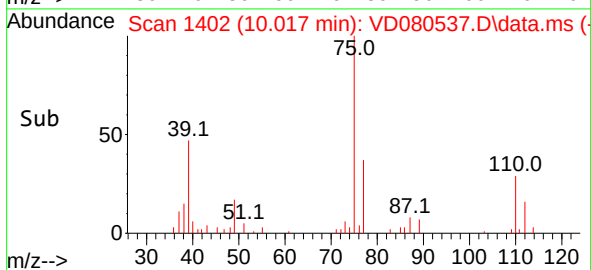
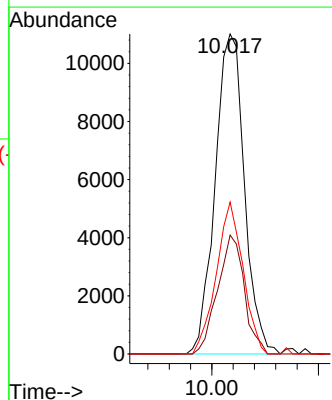
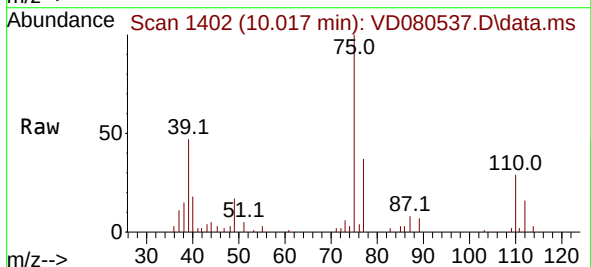
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025

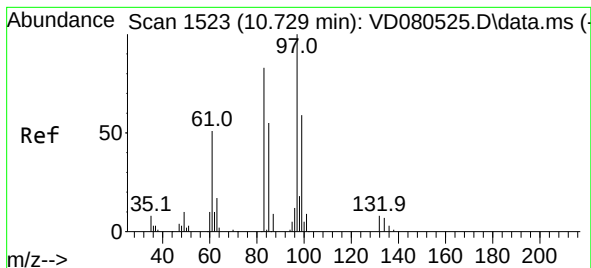
Tgt Ion: 75 Resp: 17207
 Ion Ratio Lower Upper
 75 100
 77 26.6 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 4.739 ug/l
 RT: 10.017 min Scan# 1402
 Delta R.T. 0.000 min
 Lab File: VD080537.D
 Acq: 18 Nov 2025 12:58

Tgt Ion: 75 Resp: 20967
 Ion Ratio Lower Upper
 75 100
 77 37.1 25.8 38.6
 39 47.5 30.7 46.1#





#55

1,1,2-Trichloroethane

Concen: 5.237 ug/l

RT: 10.735 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2025

Tgt Ion: 97 Resp: 9603

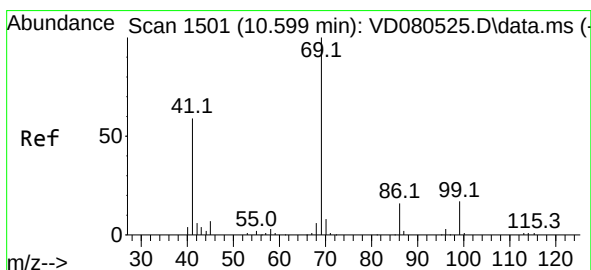
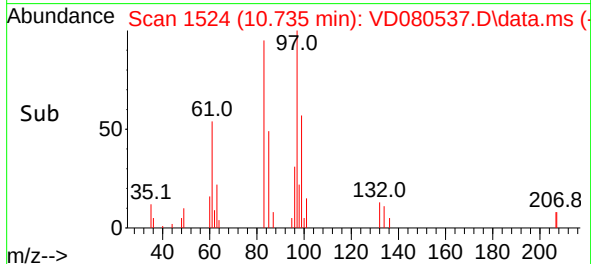
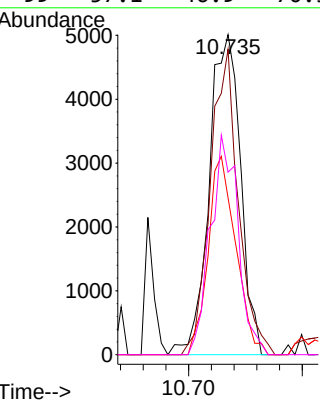
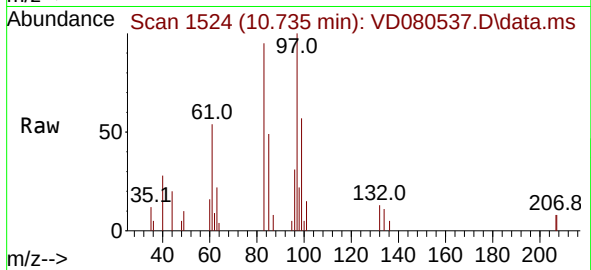
Ion Ratio Lower Upper

97 100

83 95.5 66.3 99.5

85 49.1 43.8 65.8

99 57.1 46.9 70.3



#56

Ethyl methacrylate

Concen: 4.773 ug/l

RT: 10.594 min Scan# 1500

Delta R.T. -0.006 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

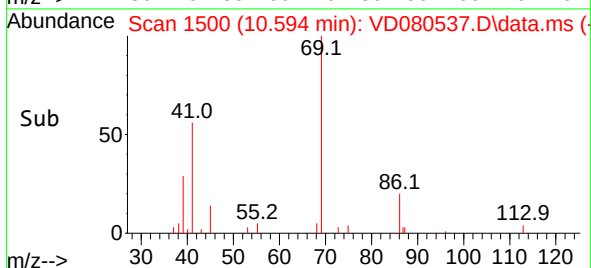
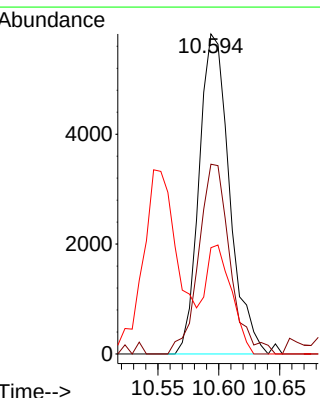
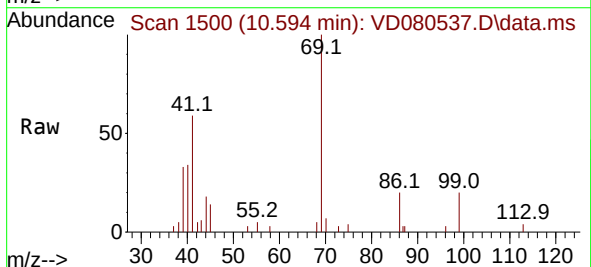
Tgt Ion: 69 Resp: 10099

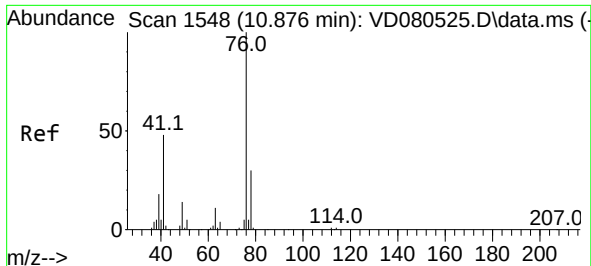
Ion Ratio Lower Upper

69 100

41 61.3 49.6 74.4

39 29.4 23.5 35.3

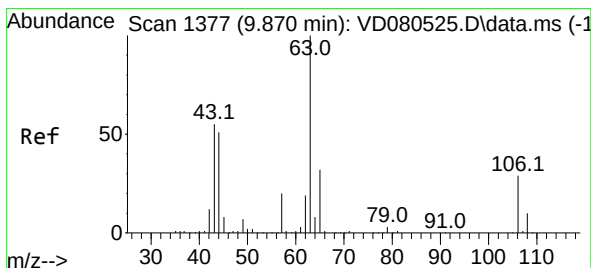
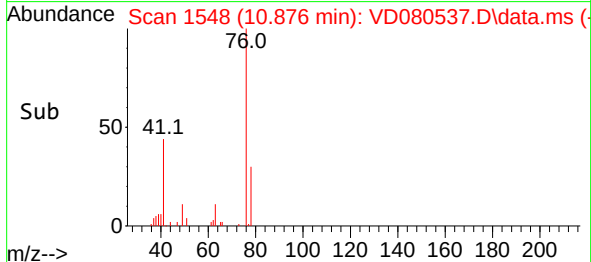
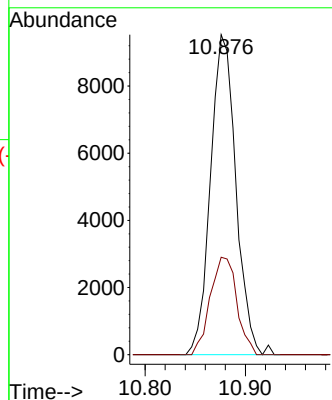
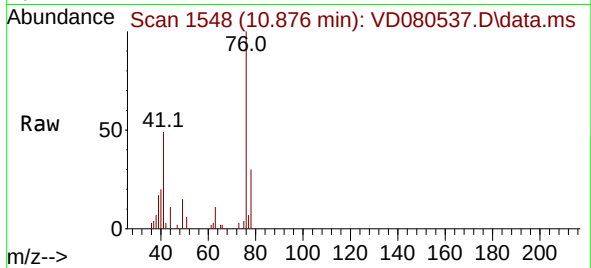




#57
 1,3-Dichloropropane
 Concen: 5.251 ug/l
 RT: 10.876 min Scan# 1548
 Delta R.T. 0.000 min
 Lab File: VD080537.D
 Acq: 18 Nov 2025 12:58

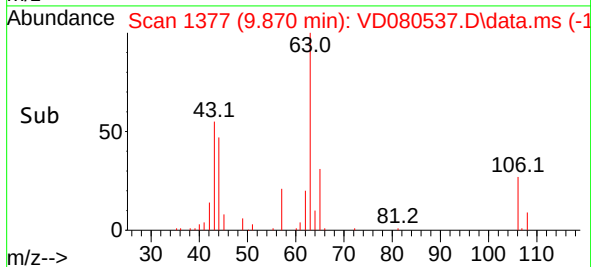
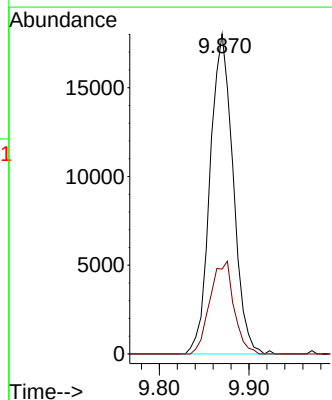
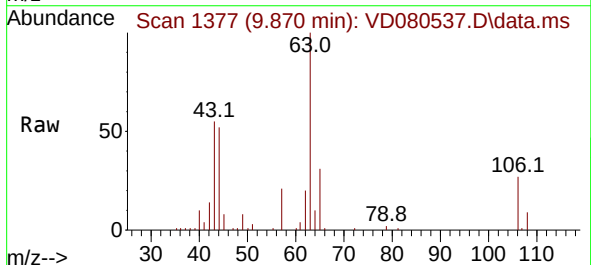
Instrument : MSVOA_D
 ClientSampleId : LOQ-SOIL-02-QT4-2025

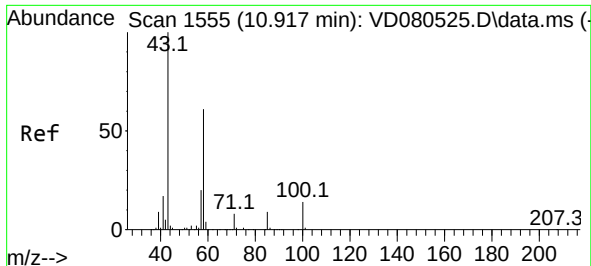
Tgt Ion: 76 Resp: 16790
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 27.002 ug/l
 RT: 9.870 min Scan# 1377
 Delta R.T. 0.000 min
 Lab File: VD080537.D
 Acq: 18 Nov 2025 12:58

Tgt Ion: 63 Resp: 32056
 Ion Ratio Lower Upper
 63 100
 106 30.0 22.6 33.8

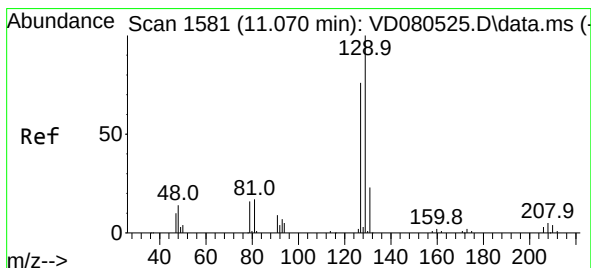
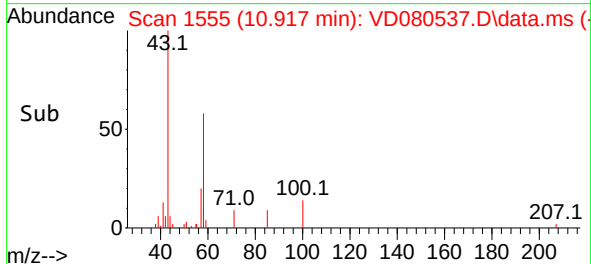
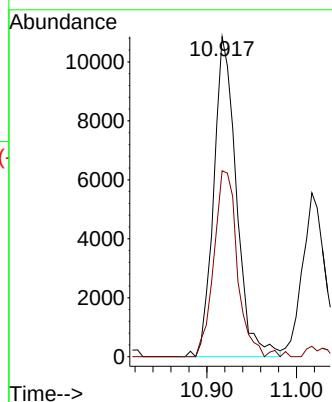
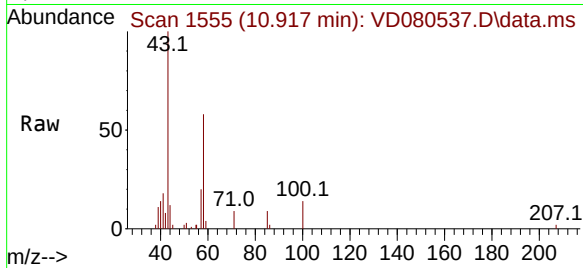




#59
2-Hexanone
Concen: 24.117 ug/l
RT: 10.917 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

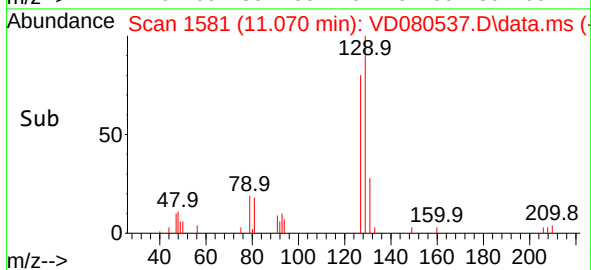
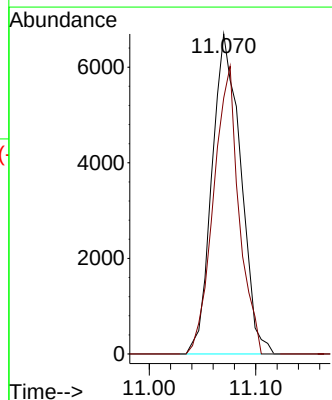
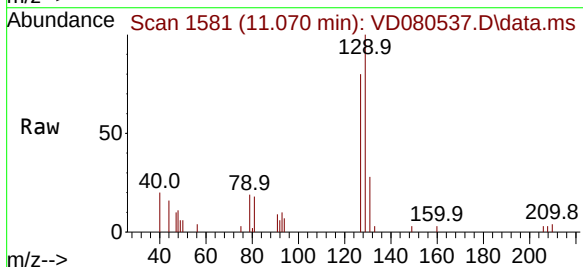
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

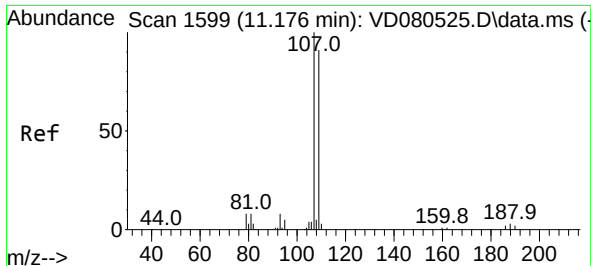
Tgt Ion: 43 Resp: 19025
Ion Ratio Lower Upper
43 100
58 59.9 29.6 88.9



#60
Dibromochloromethane
Concen: 5.140 ug/l
RT: 11.070 min Scan# 1581
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion: 129 Resp: 12524
Ion Ratio Lower Upper
129 100
127 79.9 38.3 114.9

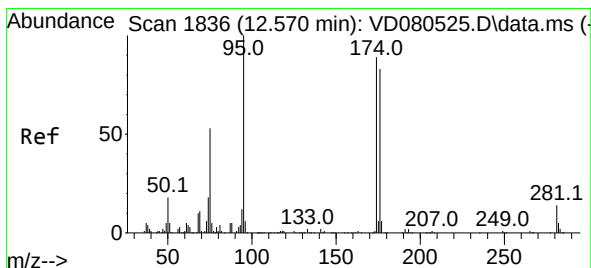
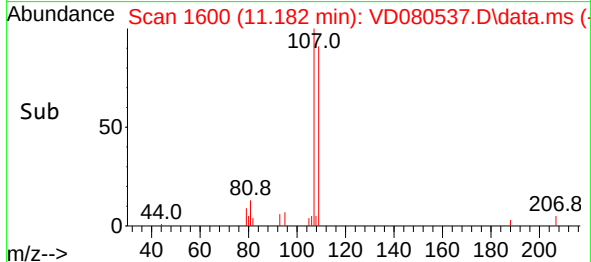
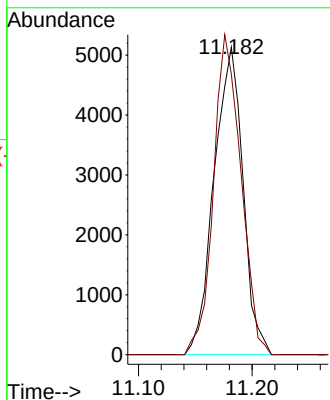
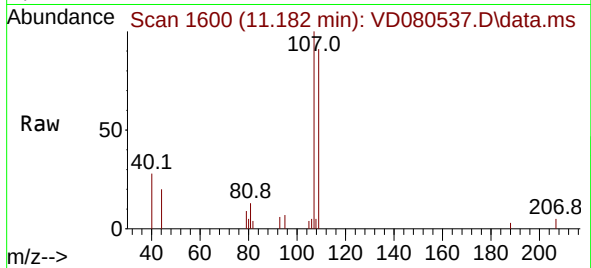




#61
1,2-Dibromoethane
Concen: 5.154 ug/l
RT: 11.182 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

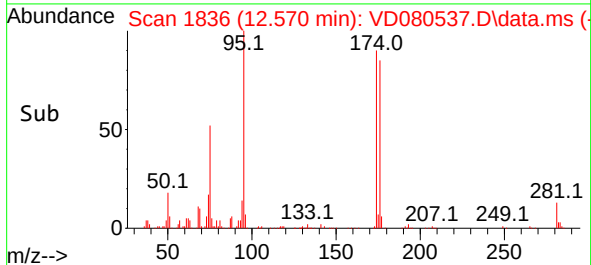
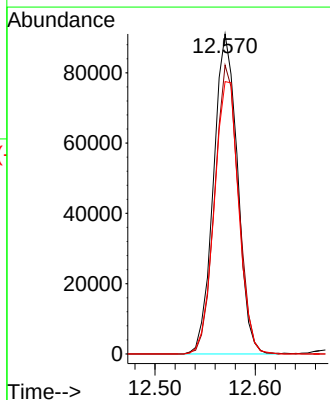
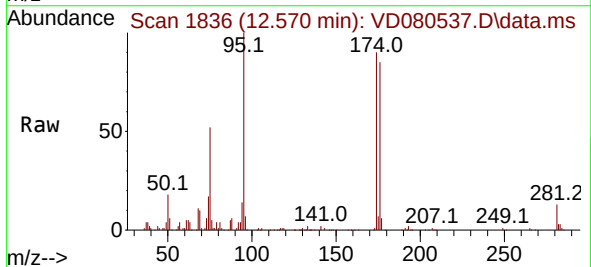
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

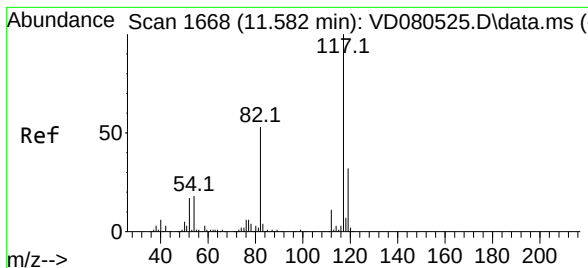
Tgt Ion:107 Resp: 9091
Ion Ratio Lower Upper
107 100
109 98.9 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 48.863 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion: 95 Resp: 150689
Ion Ratio Lower Upper
95 100
174 89.5 0.0 179.4
176 87.4 0.0 168.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.582 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2025

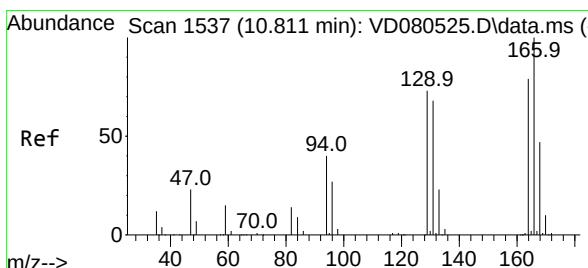
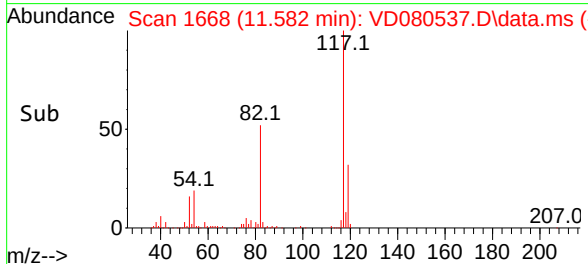
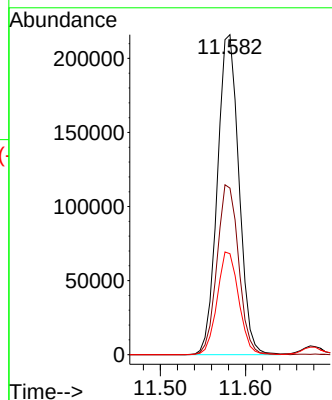
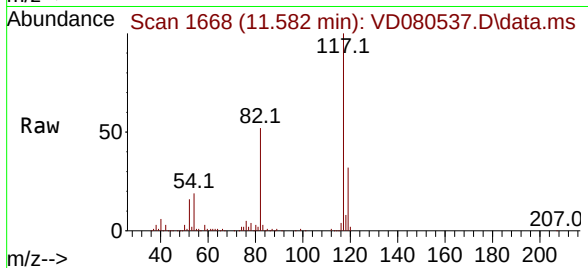
Tgt Ion:117 Resp: 380539

Ion Ratio Lower Upper

117 100

82 52.0 42.1 63.1

119 31.5 25.4 38.2



#64

Tetrachloroethene

Concen: 4.726 ug/l

RT: 10.811 min Scan# 1537

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Tgt Ion:164 Resp: 12937

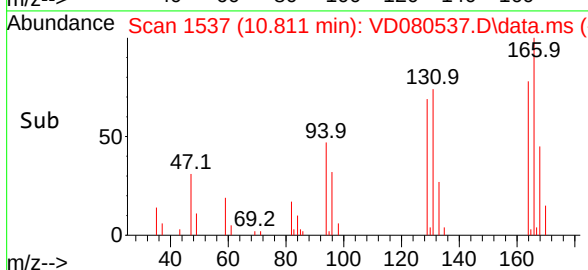
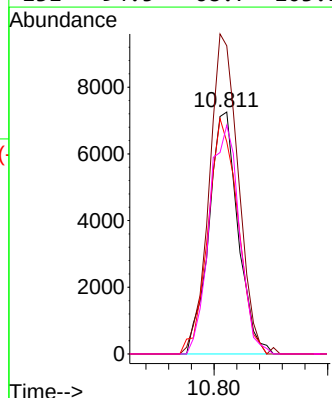
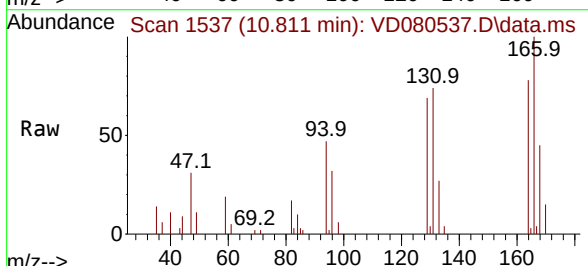
Ion Ratio Lower Upper

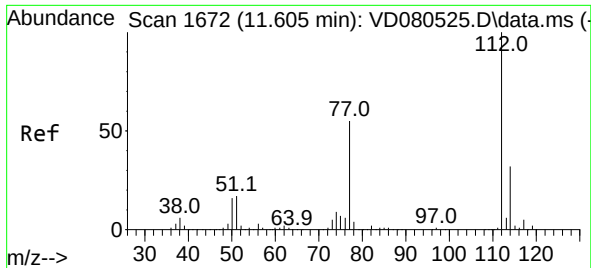
164 100

166 127.4 101.2 151.8

129 87.7 74.0 111.0

131 94.5 68.7 103.1

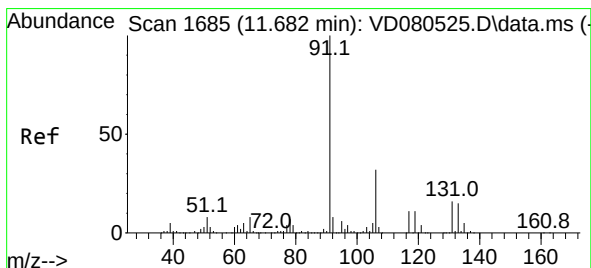
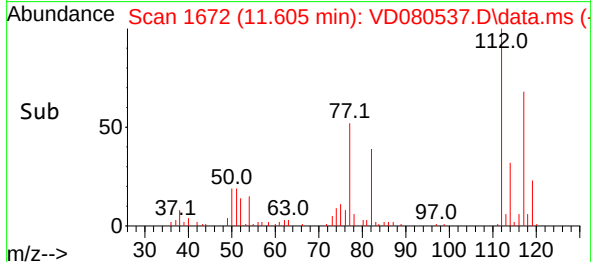
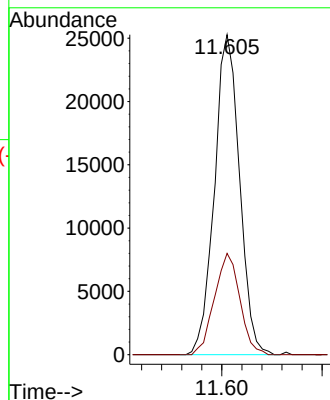
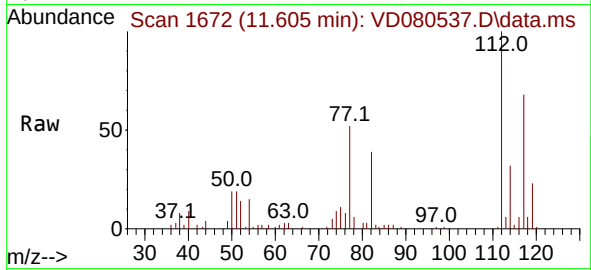




#65
Chlorobenzene
Concen: 5.173 ug/l
RT: 11.605 min Scan# 1672
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

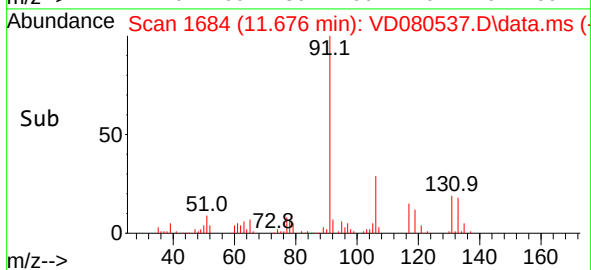
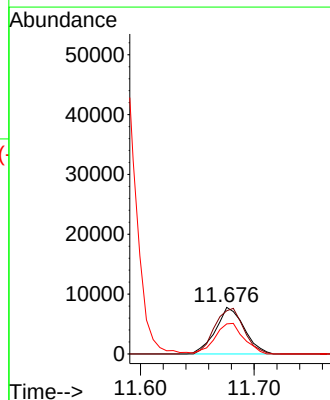
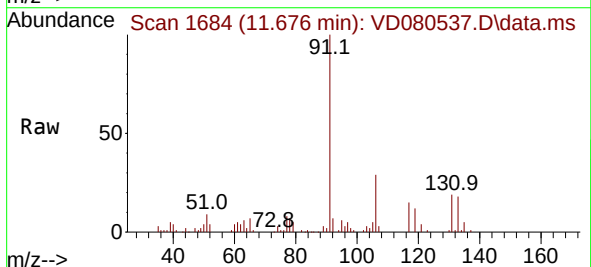
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2025

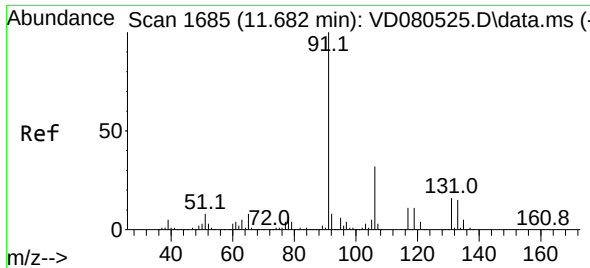
Tgt Ion:112 Resp: 43834
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 5.167 ug/l
RT: 11.676 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion:131 Resp: 13694
Ion Ratio Lower Upper
131 100
133 99.4 47.3 141.8
119 65.2 34.4 103.2

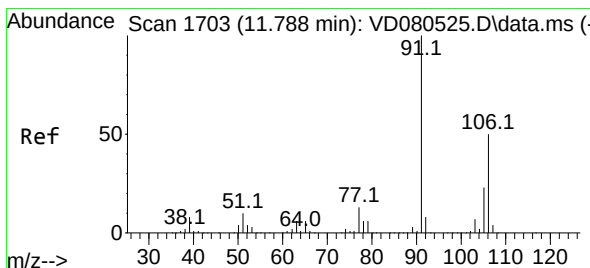
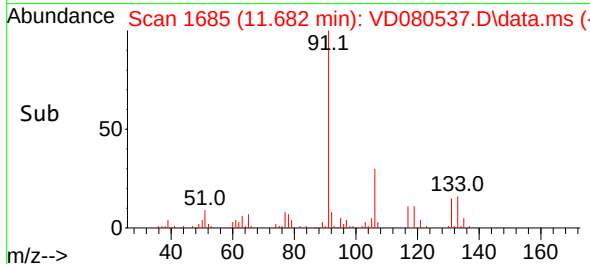
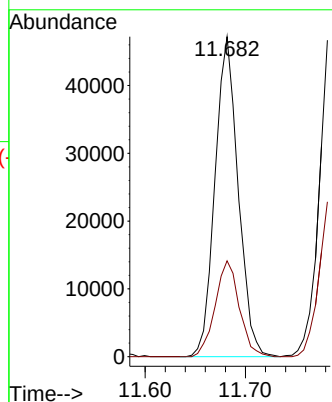
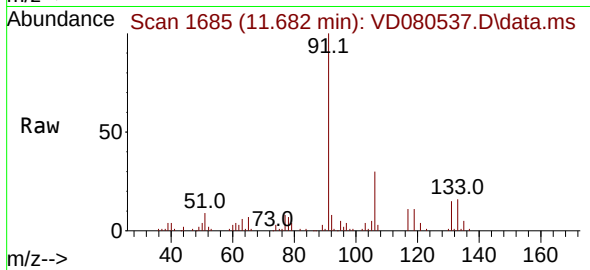




#67
Ethyl Benzene
Concen: 4.920 ug/l
RT: 11.682 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

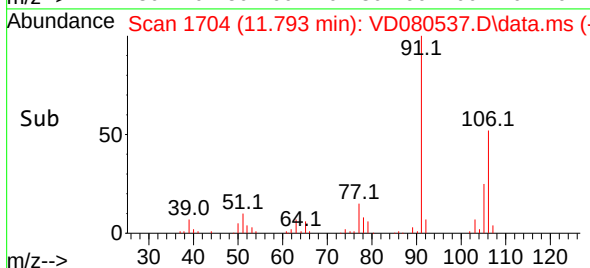
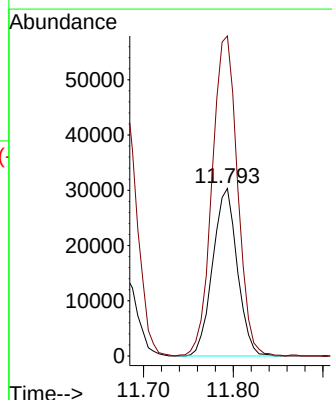
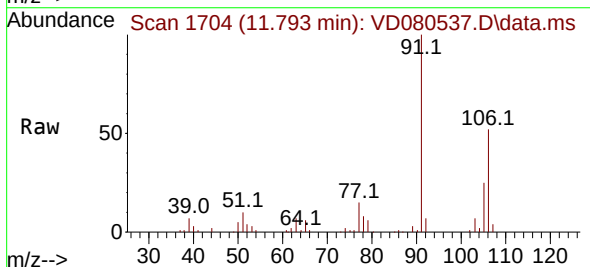
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

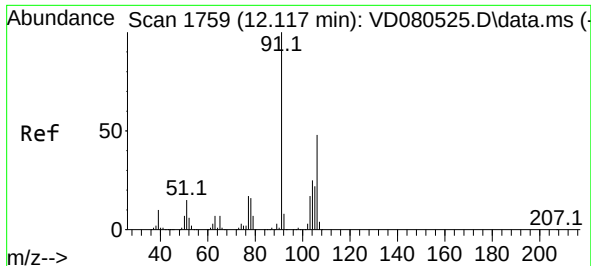
Tgt Ion: 91 Resp: 75563
Ion Ratio Lower Upper
91 100
106 30.0 25.4 38.0



#68
m/p-Xylenes
Concen: 9.801 ug/l
RT: 11.793 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion: 106 Resp: 57573
Ion Ratio Lower Upper
106 100
91 197.9 158.7 238.1

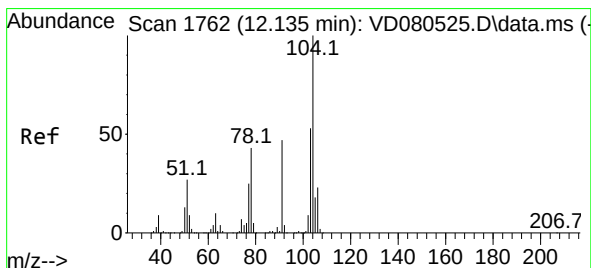
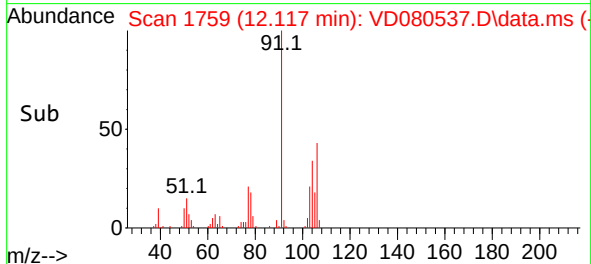
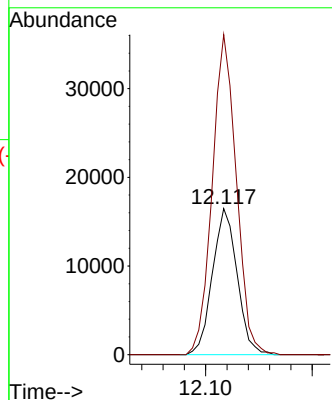
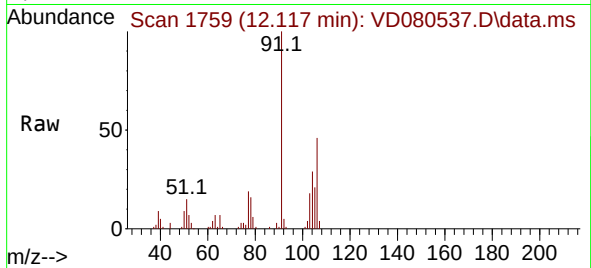




#69
o-Xylene
Concen: 4.877 ug/l
RT: 12.117 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

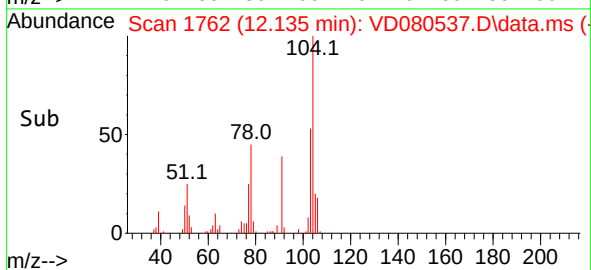
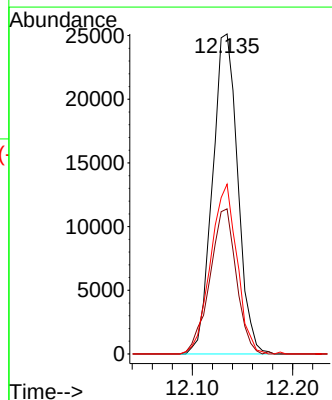
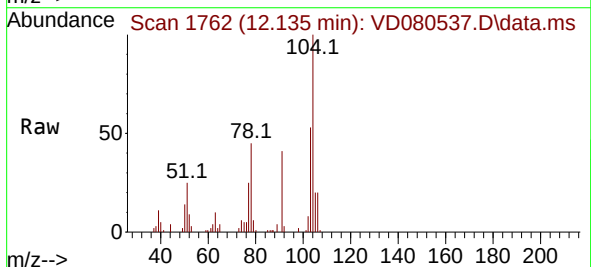
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

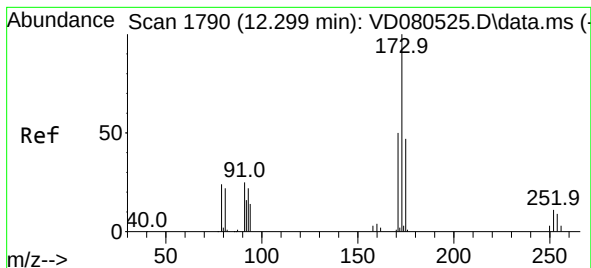
Tgt Ion:106 Resp: 26484
Ion Ratio Lower Upper
106 100
91 213.7 105.8 317.3



#70
Styrene
Concen: 4.897 ug/l
RT: 12.135 min Scan# 1762
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion:104 Resp: 43896
Ion Ratio Lower Upper
104 100
78 47.5 37.8 56.8
103 55.4 43.8 65.8





#71

Bromoform

Concen: 5.215 ug/l

RT: 12.293 min Scan# 1789

Delta R.T. -0.006 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2025

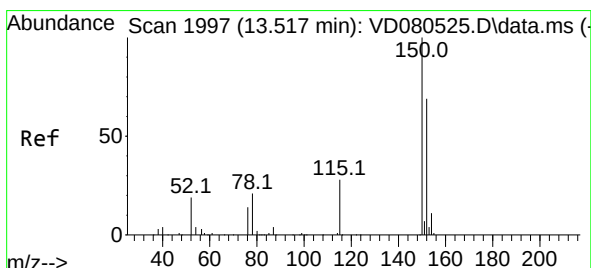
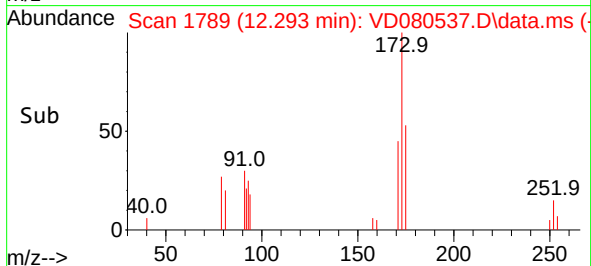
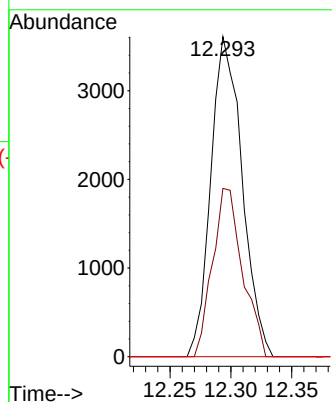
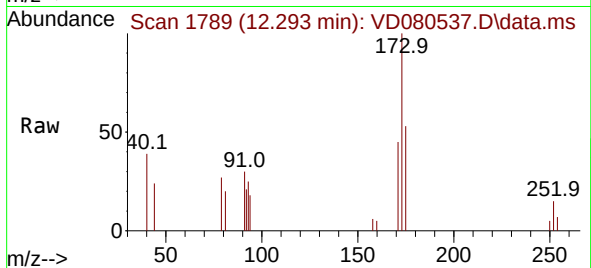
Tgt Ion:173 Resp: 6456

Ion Ratio Lower Upper

173 100

175 50.4 24.1 72.2

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: VD080537.D

Acq: 18 Nov 2025 12:58

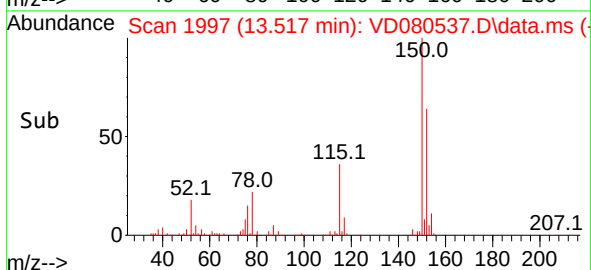
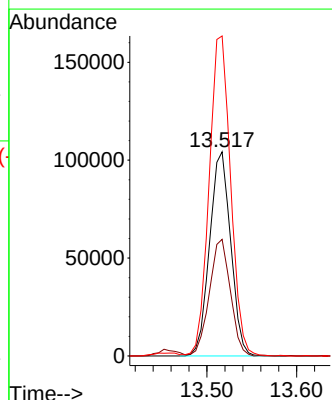
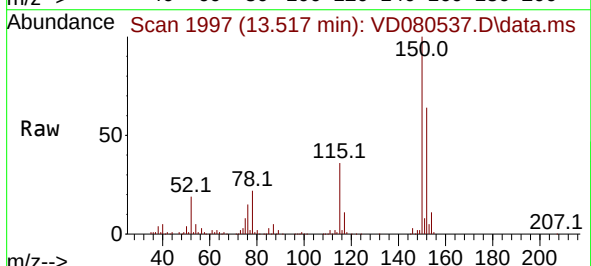
Tgt Ion:152 Resp: 170133

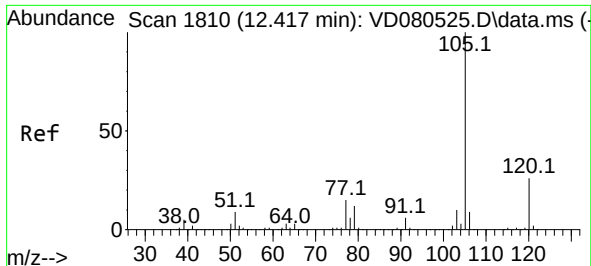
Ion Ratio Lower Upper

152 100

115 57.0 28.1 84.3

150 159.5 0.0 345.6

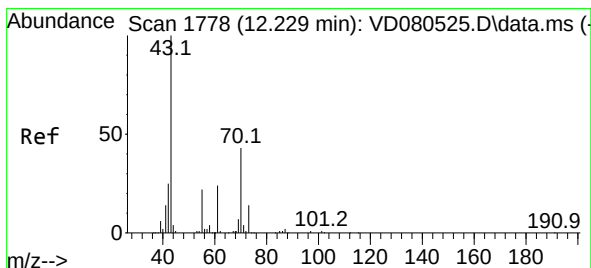
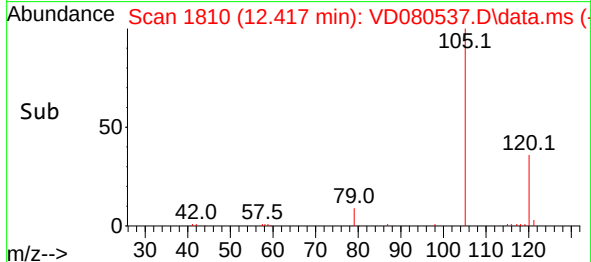
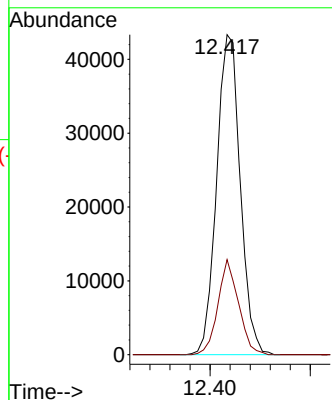
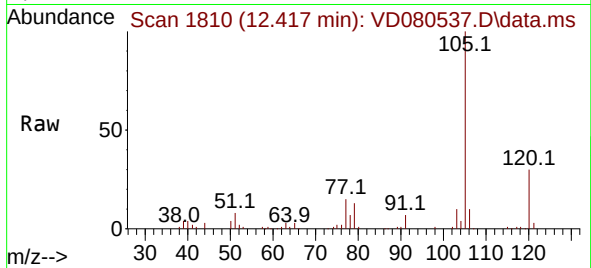




#73
Isopropylbenzene
Concen: 4.900 ug/l
RT: 12.417 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

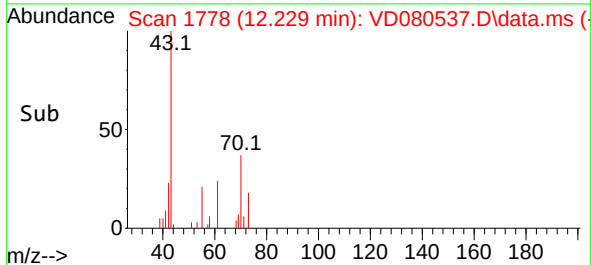
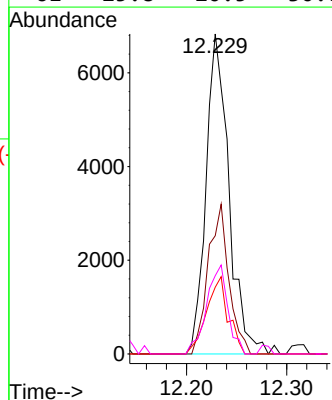
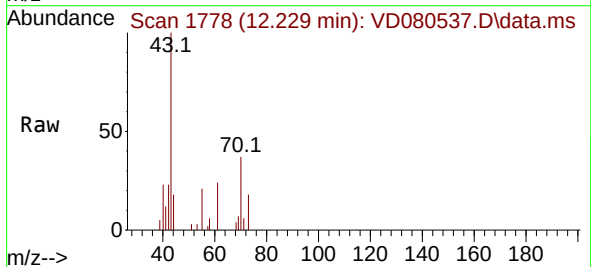
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

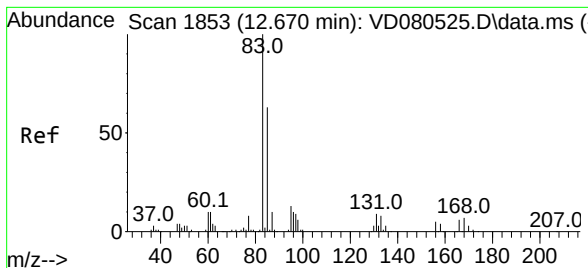
Tgt Ion:105 Resp: 70766
Ion Ratio Lower Upper
105 100
120 25.9 13.4 40.2



#74
N-ethyl acetate
Concen: 4.865 ug/l
RT: 12.229 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion: 43 Resp: 10891
Ion Ratio Lower Upper
43 100
70 42.2 35.2 52.8
55 22.7 18.4 27.6
61 25.8 20.5 30.7

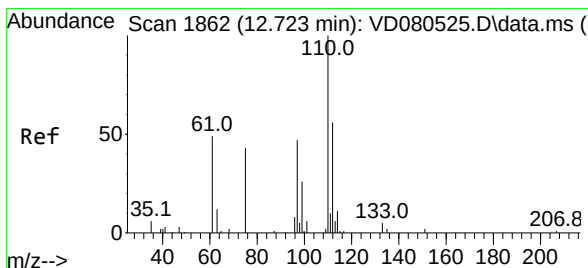
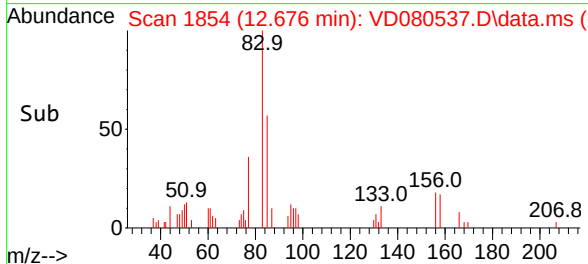
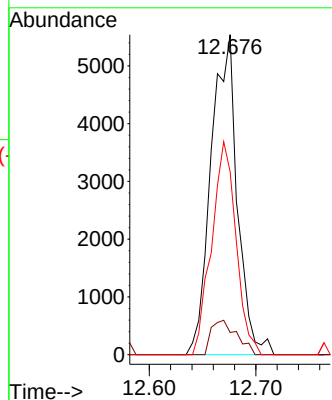
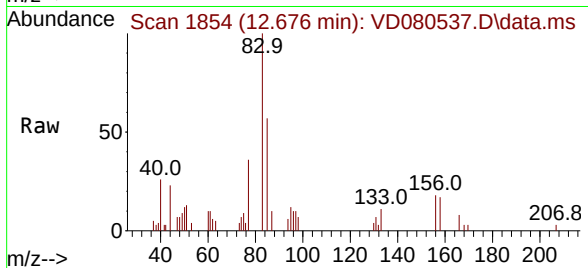




#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.237 ug/l
 RT: 12.676 min Scan# 1854
 Delta R.T. 0.006 min
 Lab File: VD080537.D
 Acq: 18 Nov 2025 12:58

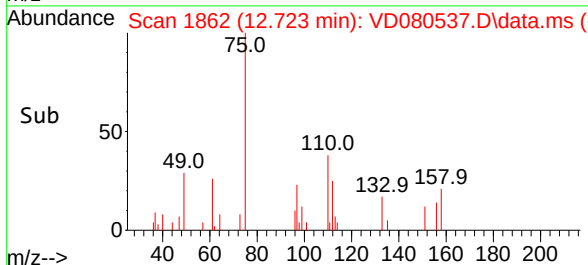
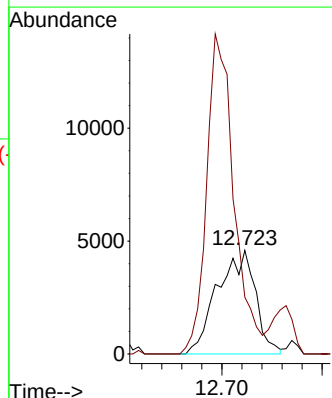
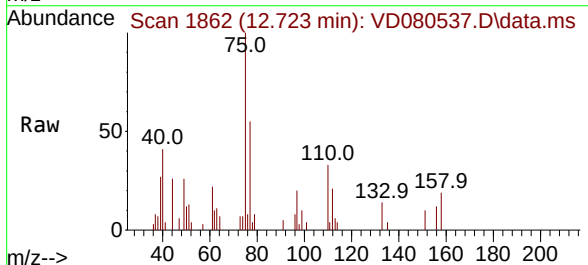
Instrument : MSVOA_D
 ClientSampleId : LOQ-SOIL-02-QT4-2025

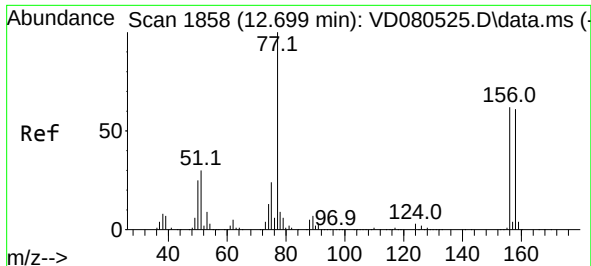
Tgt Ion: 83	Resp: 9485
Ion Ratio	Lower Upper
83 100	
131 10.4	4.9 14.6
85 61.8	31.8 95.3



#76
 1,2,3-Trichloropropane
 Concen: 9.133 ug/l
 RT: 12.723 min Scan# 1862
 Delta R.T. 0.000 min
 Lab File: VD080537.D
 Acq: 18 Nov 2025 12:58

Tgt Ion: 75	Resp: 12103
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0

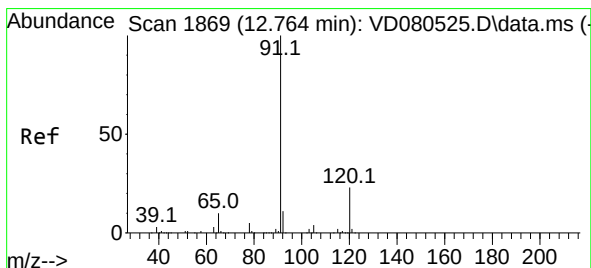
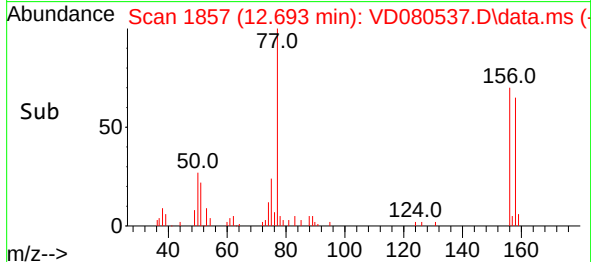
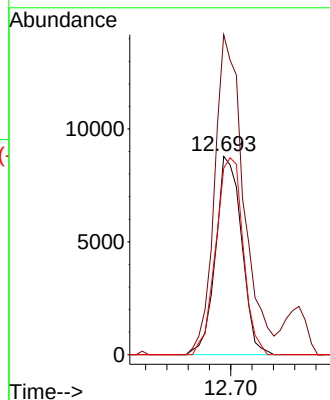
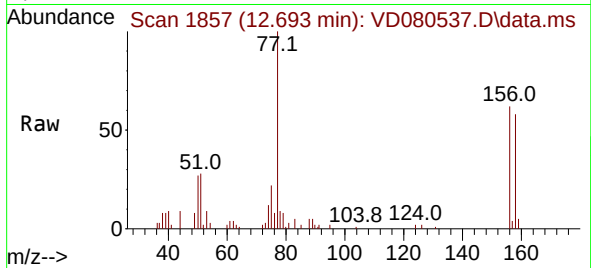




#77
Bromobenzene
Concen: 4.850 ug/l
RT: 12.693 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

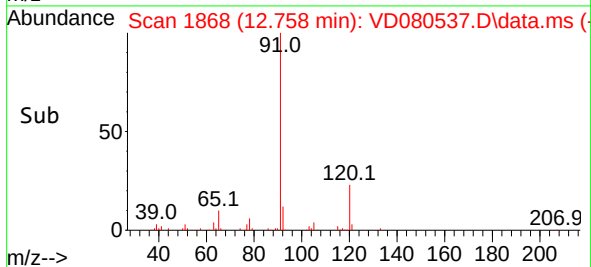
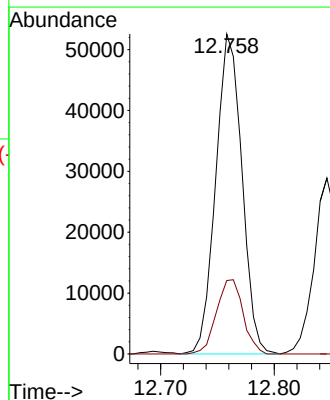
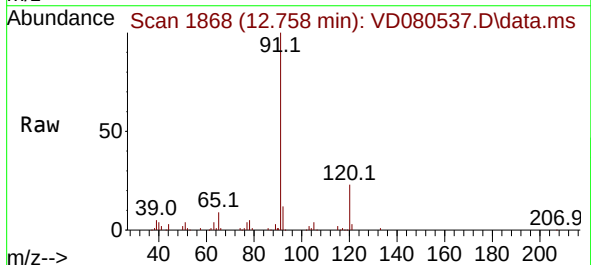
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

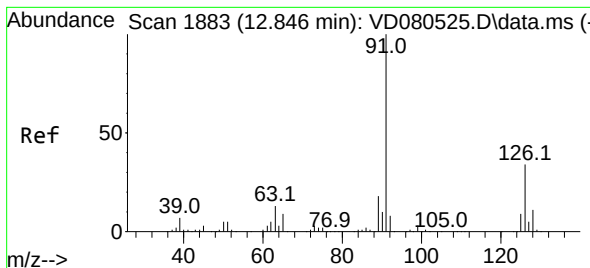
Tgt Ion:156 Resp: 14866
Ion Ratio Lower Upper
156 100
77 180.3 85.3 255.9
158 104.4 48.4 145.0



#78
n-propylbenzene
Concen: 4.862 ug/l
RT: 12.758 min Scan# 1868
Delta R.T. -0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion: 91 Resp: 84241
Ion Ratio Lower Upper
91 100
120 23.6 11.4 34.2





#79

2-Chlorotoluene

Concen: 4.893 ug/l

RT: 12.846 min Scan# 1883

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

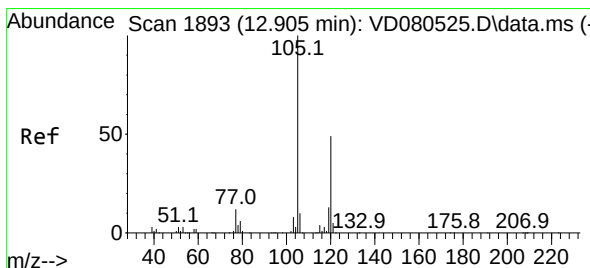
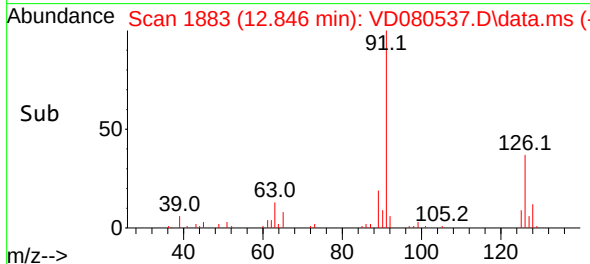
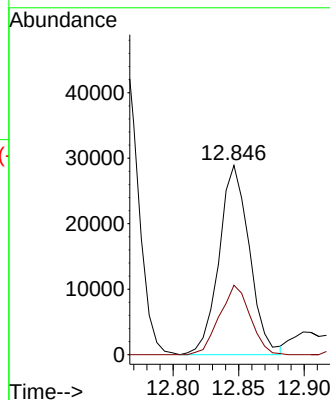
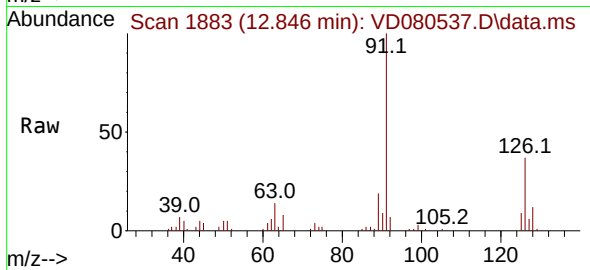
LOQ-SOIL-02-QT4-2025

Tgt Ion: 91 Resp: 46632

Ion Ratio Lower Upper

91 100

126 37.0 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 4.934 ug/l

RT: 12.899 min Scan# 1892

Delta R.T. -0.006 min

Lab File: VD080537.D

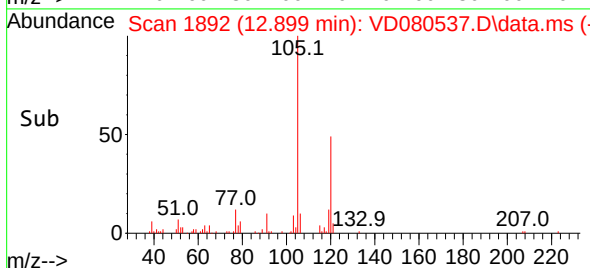
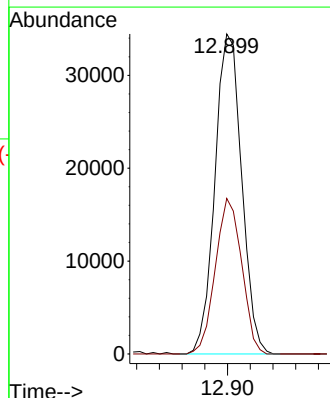
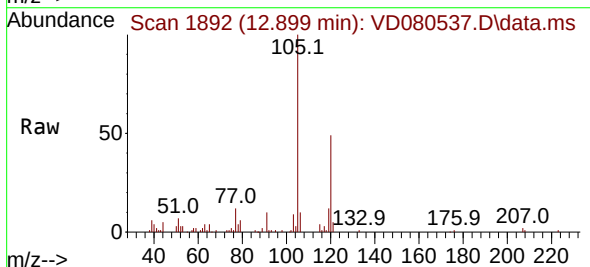
Acq: 18 Nov 2025 12:58

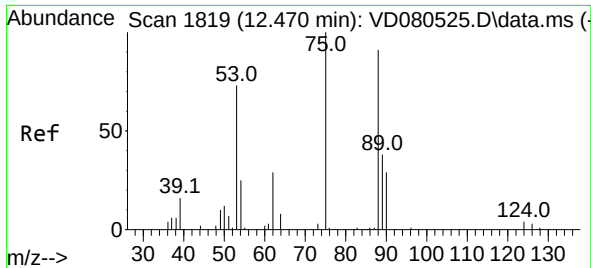
Tgt Ion: 105 Resp: 56332

Ion Ratio Lower Upper

105 100

120 47.8 24.6 74.0

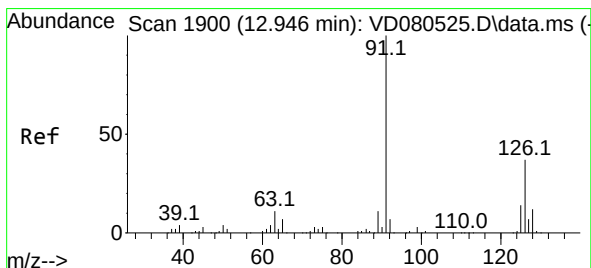
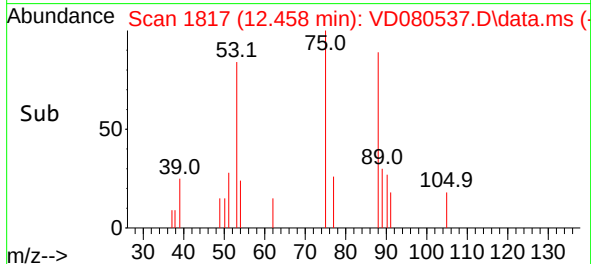
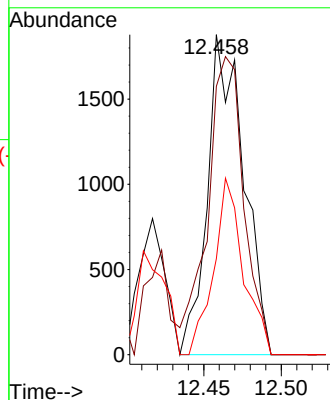
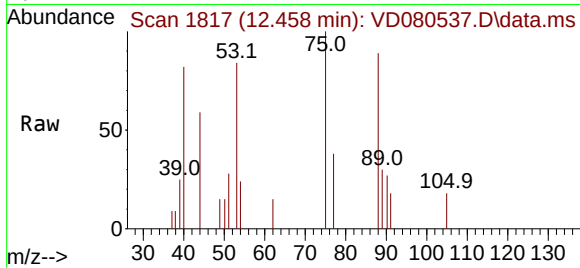




#81
trans-1,4-Dichloro-2-butene
Concen: 4.395 ug/l
RT: 12.458 min Scan# 1817
Delta R.T. -0.012 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

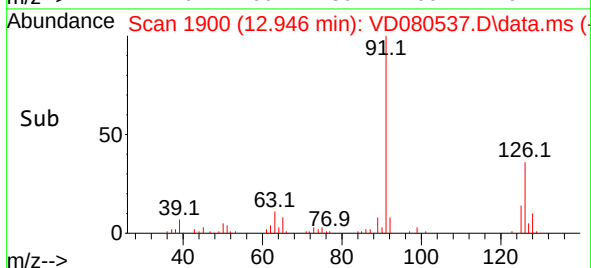
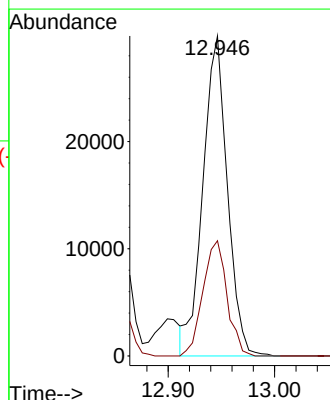
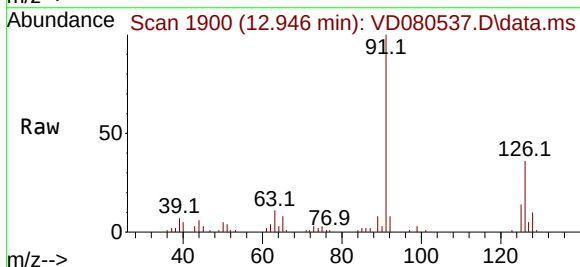
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

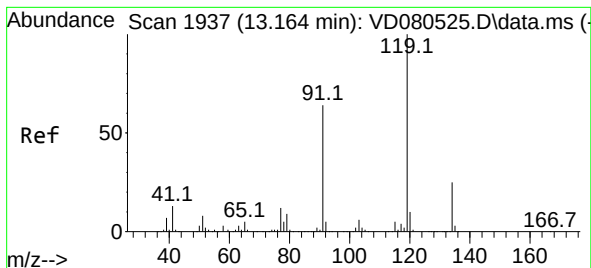
Tgt Ion:	75	Resp:	3050
Ion	Ratio	Lower	Upper
75	100		
53	93.2	62.8	94.2
89	45.2	36.6	54.8



#82
4-Chlorotoluene
Concen: 4.921 ug/l
RT: 12.946 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion:	91	Resp:	47688
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.4	52.2





#83

tert-Butylbenzene

Concen: 4.871 ug/l

RT: 13.164 min Scan# 1937

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2025

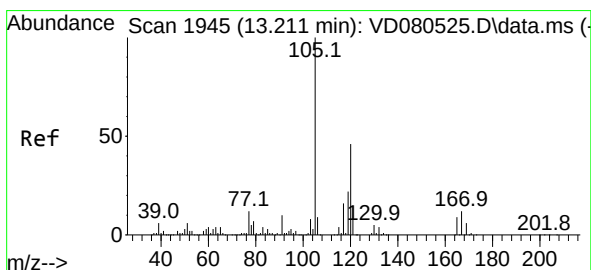
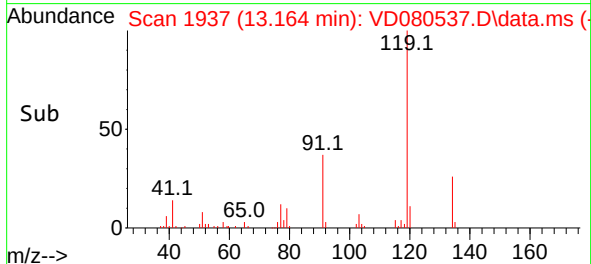
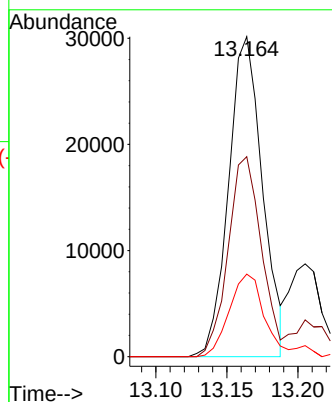
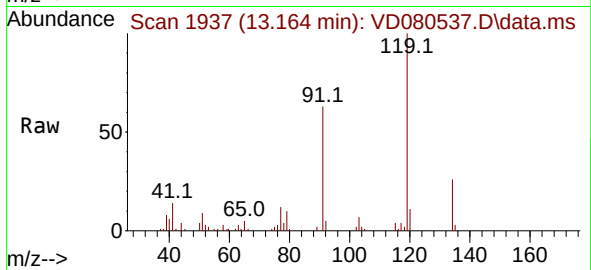
Tgt Ion:119 Resp: 50004

Ion Ratio Lower Upper

119 100

91 62.9 30.4 91.3

134 26.4 13.1 39.3



#84

1,2,4-Trimethylbenzene

Concen: 4.764 ug/l

RT: 13.211 min Scan# 1945

Delta R.T. 0.000 min

Lab File: VD080537.D

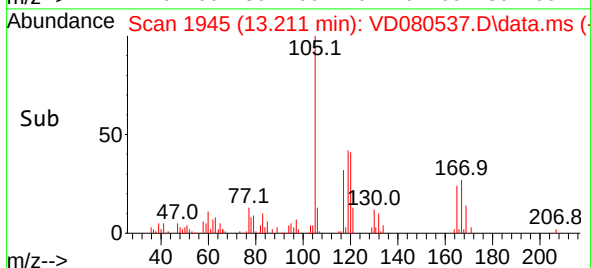
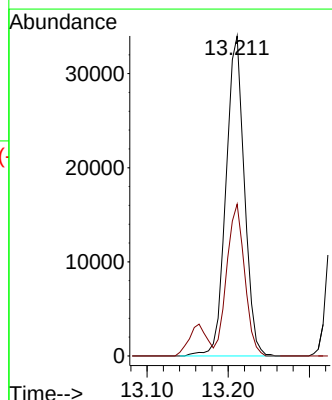
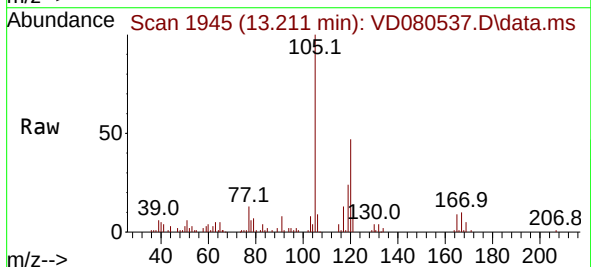
Acq: 18 Nov 2025 12:58

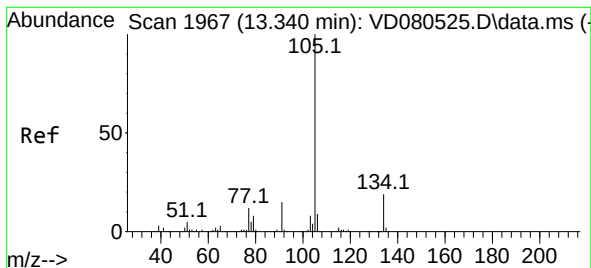
Tgt Ion:105 Resp: 53517

Ion Ratio Lower Upper

105 100

120 46.2 22.7 68.1





#85

sec-Butylbenzene

Concen: 5.034 ug/l

RT: 13.340 min Scan# 1967

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

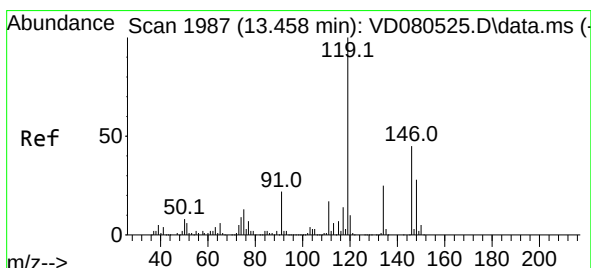
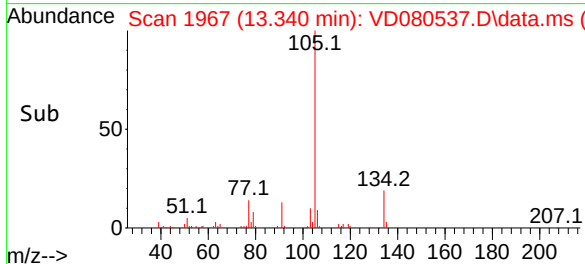
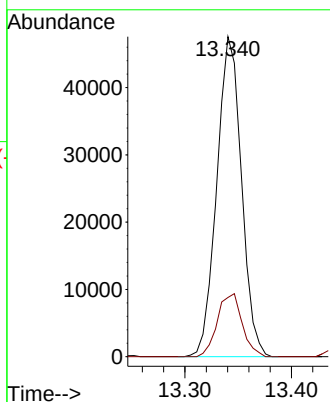
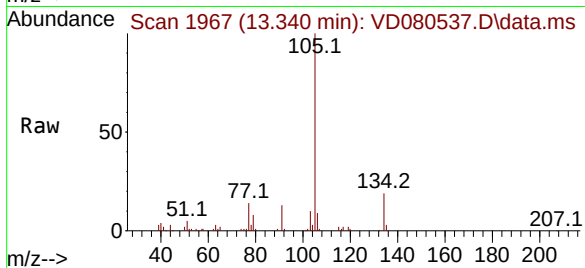
LOQ-SOIL-02-QT4-2025

Tgt Ion:105 Resp: 76502

Ion Ratio Lower Upper

105 100

134 19.8 10.0 30.0



#86

p-Isopropyltoluene

Concen: 4.839 ug/l

RT: 13.458 min Scan# 1987

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

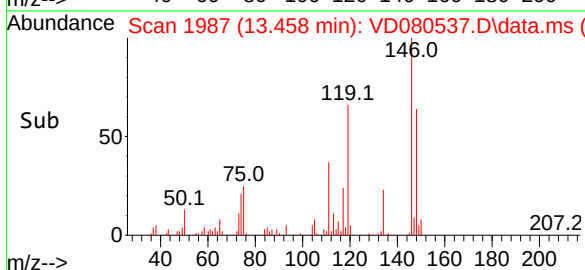
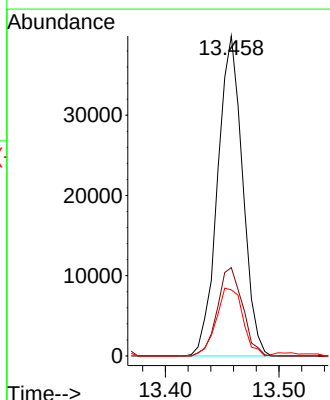
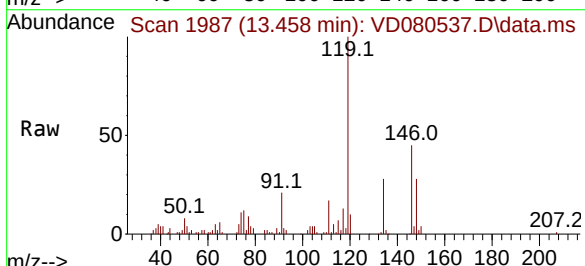
Tgt Ion:119 Resp: 60984

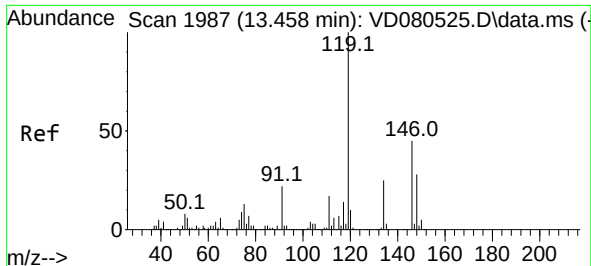
Ion Ratio Lower Upper

119 100

134 27.9 12.8 38.4

91 22.7 11.1 33.1

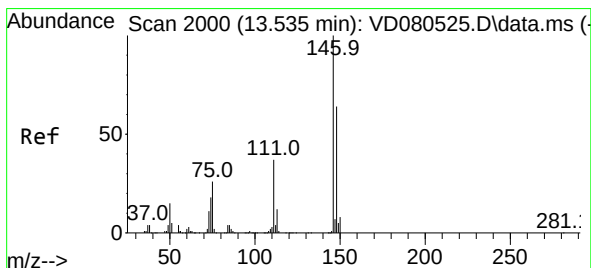
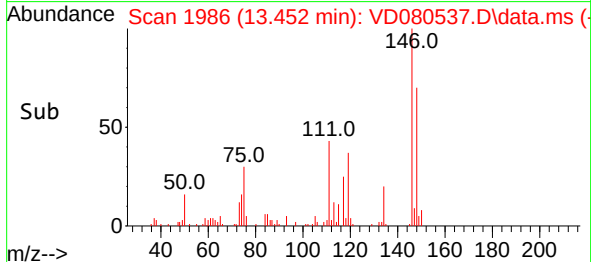
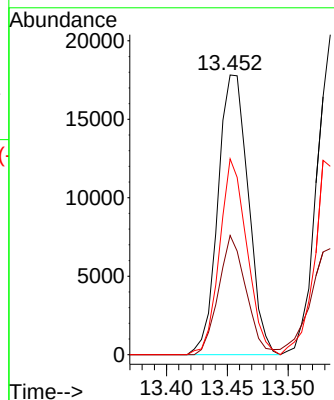
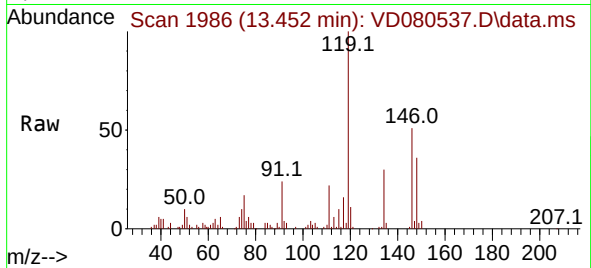




#87
1,3-Dichlorobenzene
Concen: 5.080 ug/l
RT: 13.452 min Scan# 1986
Delta R.T. -0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

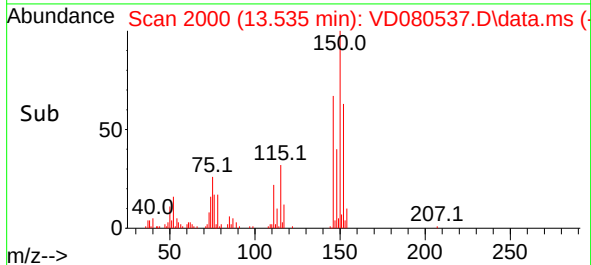
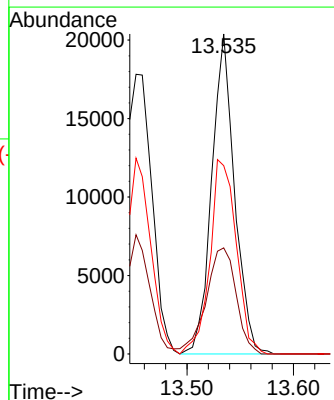
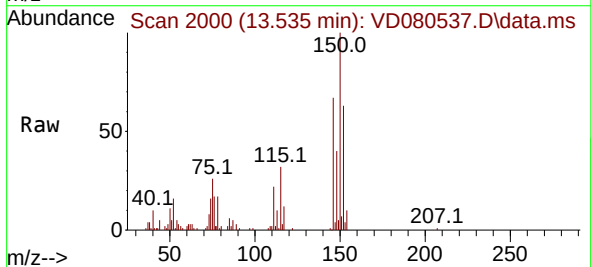
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

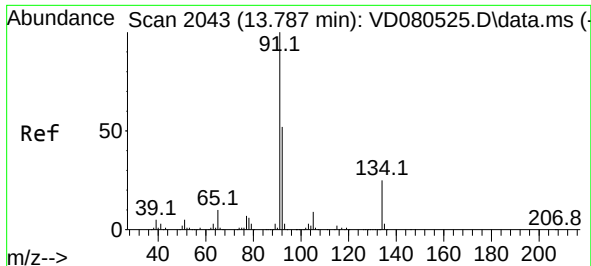
Tgt Ion:146 Resp: 30939
Ion Ratio Lower Upper
146 100
111 38.5 19.4 58.2
148 63.1 31.4 94.0



#88
1,4-Dichlorobenzene
Concen: 5.100 ug/l
RT: 13.535 min Scan# 2000
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion:146 Resp: 30376
Ion Ratio Lower Upper
146 100
111 43.7 18.9 56.9
148 70.1 32.1 96.5

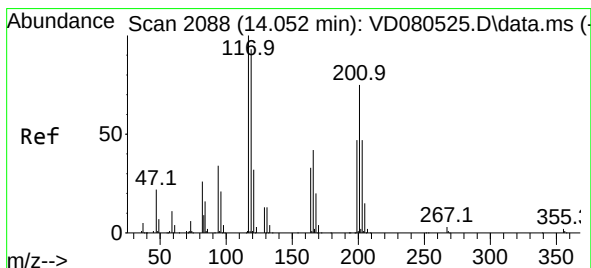
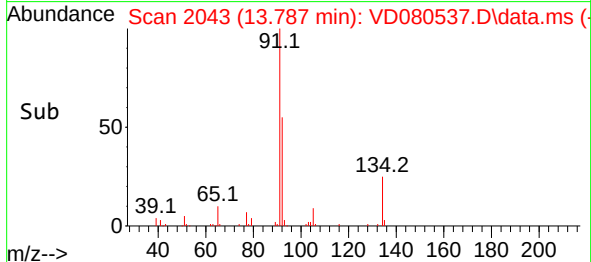
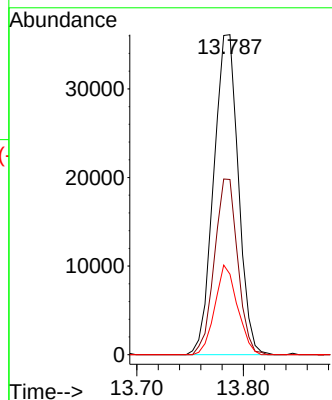
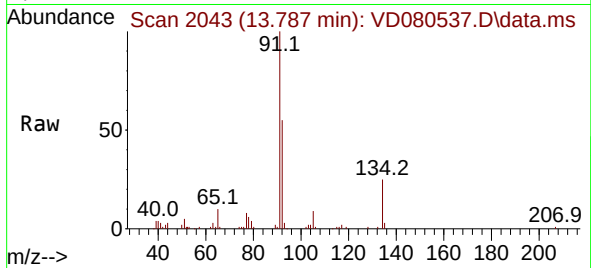




#89
n-Butylbenzene
Concen: 4.826 ug/l
RT: 13.787 min Scan# 2043
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

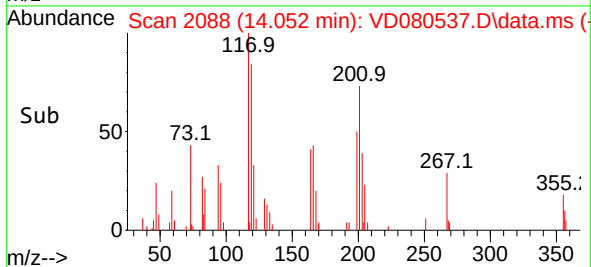
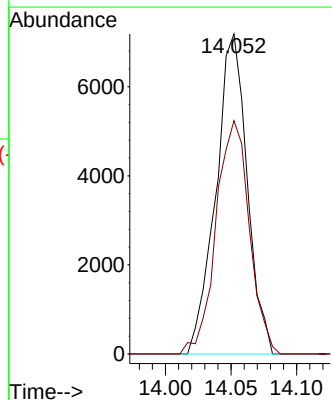
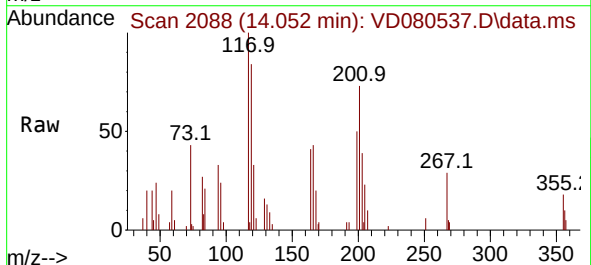
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

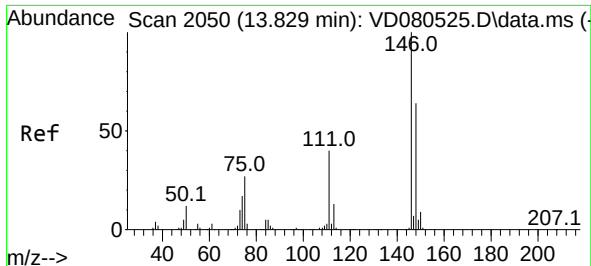
Tgt Ion:	91	Resp:	57996
Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.7	80.1
134	25.7	12.6	37.8



#90
Hexachloroethane
Concen: 4.846 ug/l
RT: 14.052 min Scan# 2088
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion:	117	Resp:	11915
Ion	Ratio	Lower	Upper
117	100		
201	77.5	36.7	110.1

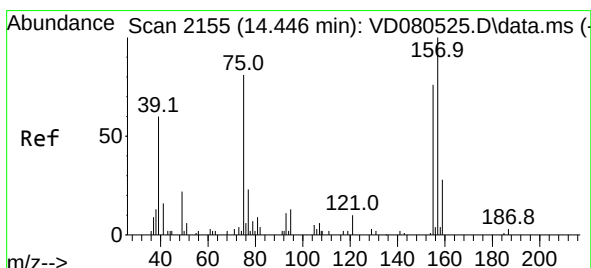
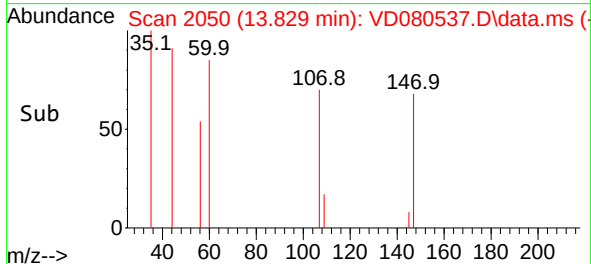
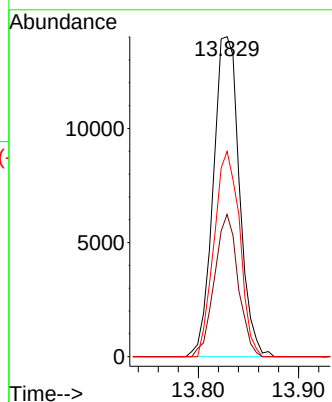
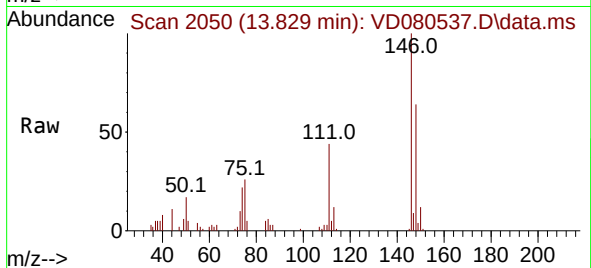




#91
1,2-Dichlorobenzene
Concen: 5.043 ug/l
RT: 13.829 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

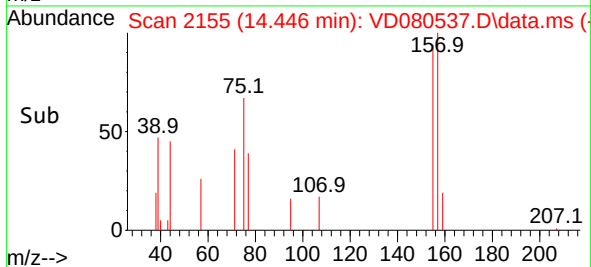
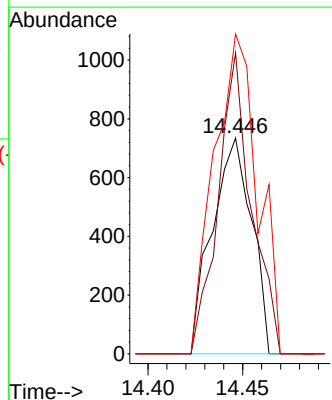
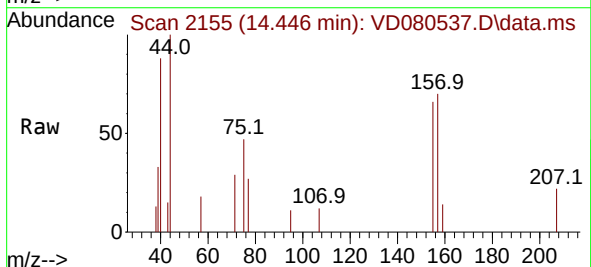
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025

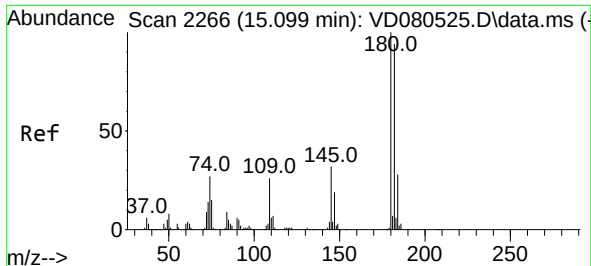
Tgt Ion:146	Resp:	25386
Ion Ratio	Lower	Upper
146	100	
111	40.3	20.3 60.8
148	62.6	32.2 96.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.271 ug/l
RT: 14.446 min Scan# 2155
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion: 75	Resp:	1065
Ion Ratio	Lower	Upper
75	100	
155	116.9	46.4 139.2
157	163.0	59.6 178.7

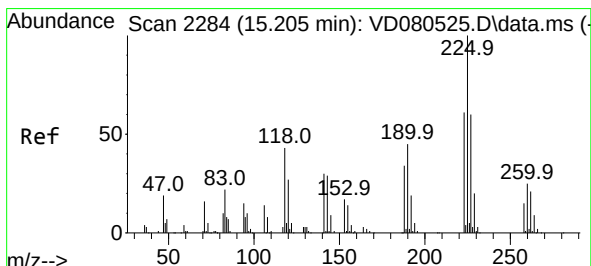
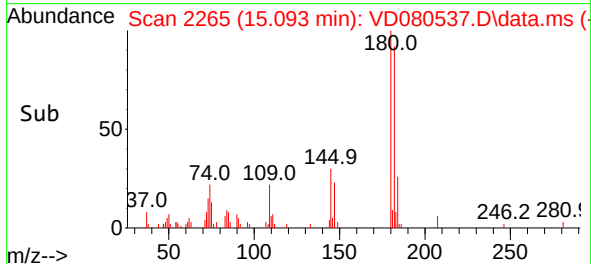
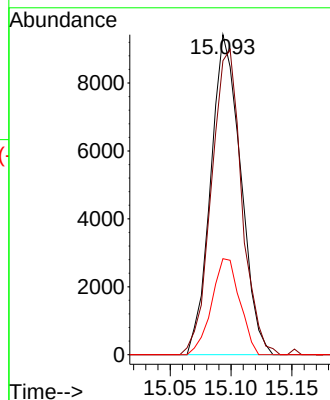
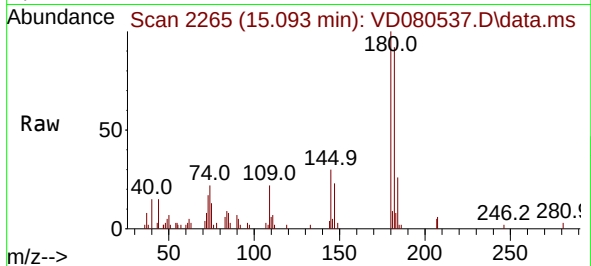




#93
 1,2,4-Trichlorobenzene
 Concen: 5.192 ug/l
 RT: 15.093 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD080537.D
 Acq: 18 Nov 2025 12:58

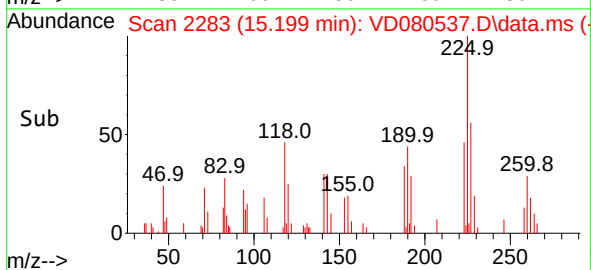
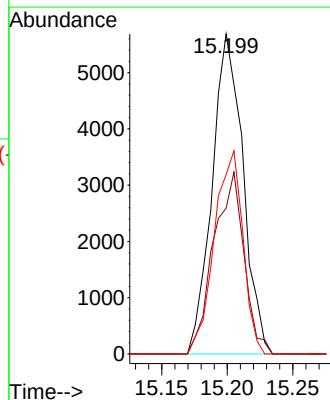
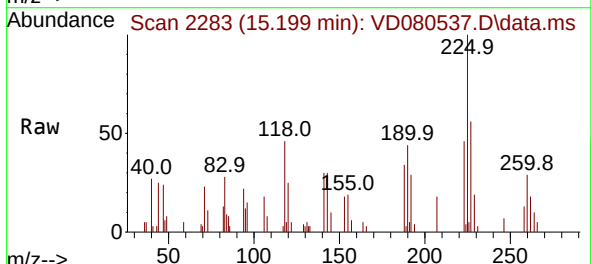
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025

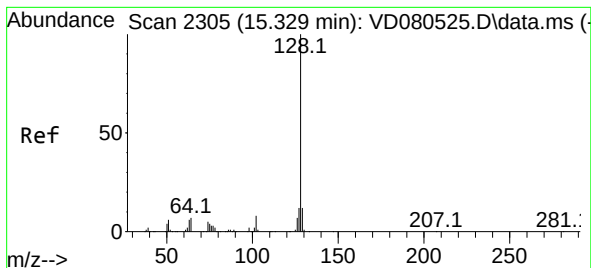
Tgt Ion:180	Resp:	16140
Ion Ratio	Lower	Upper
180	100	
182	96.0	47.1 141.4
145	28.1	14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 5.369 ug/l
 RT: 15.199 min Scan# 2283
 Delta R.T. -0.006 min
 Lab File: VD080537.D
 Acq: 18 Nov 2025 12:58

Tgt Ion:225	Resp:	9292
Ion Ratio	Lower	Upper
225	100	
223	55.7	31.4 94.0
227	58.9	31.9 95.5





#95

Naphthalene

Concen: 5.009 ug/l

RT: 15.329 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2025

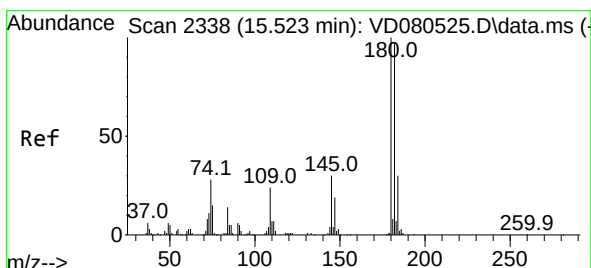
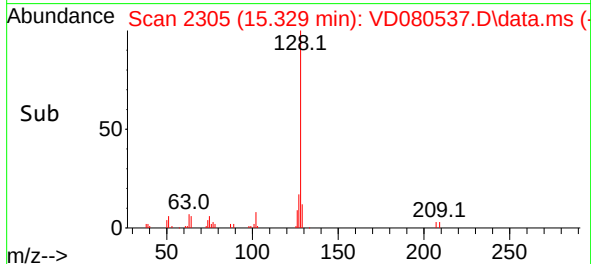
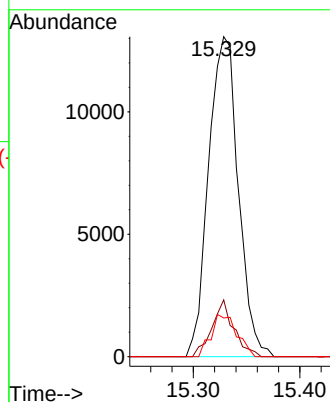
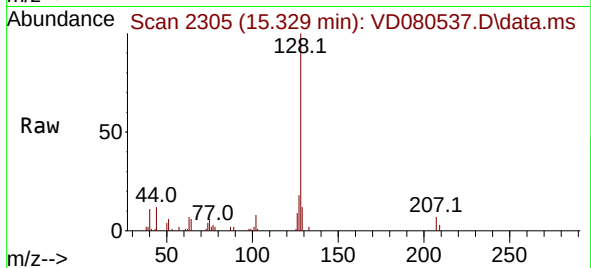
Tgt Ion:128 Resp: 25337

Ion Ratio Lower Upper

128 100

127 17.7 9.8 14.6#

129 12.1 9.2 13.8



#96

1,2,3-Trichlorobenzene

Concen: 5.251 ug/l

RT: 15.511 min Scan# 2336

Delta R.T. -0.012 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Tgt Ion:180 Resp: 13224

Ion Ratio Lower Upper

180 100

182 94.3 48.4 145.2

145 32.9 15.9 47.6

