

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062625\
 Data File : VD080483.D
 Acq On : 26 Jun 2025 15:58
 Operator : RP/MD
 Sample : Q2126-02
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Jun 27 05:45:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062625S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:45:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	409581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	781522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.576	117	682949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	308244	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	233440	58.137	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.280%	
35) Dibromofluoromethane	7.806	113	242359	55.381	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.760%	
50) Toluene-d8	10.264	98	961894	54.408	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.820%	
62) 4-Bromofluorobenzene	12.570	95	312622	53.930	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.860%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.935	85	18707	5.138	ug/l	95
3) Chloromethane	2.147	50	28916	5.686	ug/l	92
4) Vinyl Chloride	2.288	62	28919	5.606	ug/l	97
5) Bromomethane	2.694	94	18663	6.546	ug/l	99
6) Chloroethane	2.841	64	18304	5.653	ug/l	94
7) Trichlorofluoromethane	3.182	101	32849	5.062	ug/l	98
8) Diethyl Ether	3.594	74	14155	5.603	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.976	101	22739	5.297	ug/l	98
10) Methyl Iodide	4.170	142	23840	4.716	ug/l	99
11) Tert butyl alcohol	5.059	59	9327	28.528	ug/l #	82
12) 1,1-Dichloroethene	3.947	96	23512	5.072	ug/l	94
13) Acrolein	3.806	56	12684	28.469	ug/l	92
14) Allyl chloride	4.559	41	42903	5.286	ug/l	97
15) Acrylonitrile	5.259	53	33270	27.681	ug/l	97
16) Acetone	4.018	43	29709	28.637	ug/l	94
17) Carbon Disulfide	4.276	76	73685	5.034	ug/l	98
18) Methyl Acetate	4.565	43	18803	5.959	ug/l	97
19) Methyl tert-butyl Ether	5.317	73	62592	5.433	ug/l	97
20) Methylene Chloride	4.806	84	57066	8.787	ug/l	96
21) trans-1,2-Dichloroethene	5.317	96	28502	5.513	ug/l	88
22) Diisopropyl ether	6.217	45	87467	5.581	ug/l #	96
23) Vinyl Acetate	6.159	43	239835	26.857	ug/l	99
24) 1,1-Dichloroethane	6.112	63	49472	5.380	ug/l	99
25) 2-Butanone	7.082	43	41532	27.275	ug/l	96
26) 2,2-Dichloropropane	7.076	77	37801	5.195	ug/l	97
27) cis-1,2-Dichloroethene	7.082	96	33623	5.440	ug/l	98
28) Bromochloromethane	7.429	49	21593	5.956	ug/l	92
29) Tetrahydrofuran	7.441	42	26841	27.980	ug/l	97
30) Chloroform	7.594	83	48120	5.467	ug/l	100
31) Cyclohexane	7.876	56	51463	5.776	ug/l #	81
32) 1,1,1-Trichloroethane	7.788	97	39104	5.313	ug/l	96
36) 1,1-Dichloropropene	8.006	75	34423	5.036	ug/l	99
37) Ethyl Acetate	7.170	43	16428	4.945	ug/l #	92
38) Carbon Tetrachloride	7.988	117	31971	4.896	ug/l	97
39) Methylcyclohexane	9.270	83	44338	4.712	ug/l	95
40) Benzene	8.253	78	113213	5.161	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:45:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.406	41	11481	5.408	ug/l	94
42) 1,2-Dichloroethane	8.323	62	28064	5.438	ug/l	97
43) Isopropyl Acetate	8.364	43	34463	5.272	ug/l	97
44) Trichloroethene	9.029	130	26389	4.964	ug/l	94
45) 1,2-Dichloropropane	9.305	63	28950	5.442	ug/l	94
46) Dibromomethane	9.394	93	14001	4.936	ug/l	93
47) Bromodichloromethane	9.582	83	36366	5.171	ug/l	95
48) Methyl methacrylate	9.382	41	17540	5.304	ug/l	96
49) 1,4-Dioxane	9.382	88	4358	118.430	ug/l	90
51) 4-Methyl-2-Pentanone	10.158	43	85810	25.848	ug/l	100
52) Toluene	10.335	92	71667	5.227	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	36406	5.169	ug/l	94
54) cis-1,3-Dichloropropene	10.017	75	44263	5.231	ug/l	98
55) 1,1,2-Trichloroethane	10.735	97	20046	5.184	ug/l	93
56) Ethyl methacrylate	10.600	69	29298	5.308	ug/l	94
57) 1,3-Dichloropropane	10.876	76	36079	5.333	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	58770	27.880	ug/l	97
59) 2-Hexanone	10.917	43	62296	26.513	ug/l	99
60) Dibromochloromethane	11.070	129	24229	5.077	ug/l	100
61) 1,2-Dibromoethane	11.176	107	18957	5.127	ug/l	98
64) Tetrachloroethene	10.811	164	21410	5.051	ug/l	95
65) Chlorobenzene	11.605	112	78076	5.301	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.676	131	25391	5.485	ug/l	96
67) Ethyl Benzene	11.682	91	132317	5.136	ug/l	98
68) m/p-Xylenes	11.788	106	100934	10.289	ug/l	99
69) o-Xylene	12.117	106	48487	5.122	ug/l	98
70) Styrene	12.135	104	83042	5.186	ug/l	99
71) Bromoform	12.299	173	14078	5.340	ug/l #	94
73) Isopropylbenzene	12.417	105	122571	5.115	ug/l	100
74) N-amyl acetate	12.229	43	33208	5.293	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.670	83	21897	4.908	ug/l	93
76) 1,2,3-Trichloropropane	12.717	75	29258	11.166	ug/l #	100
77) Bromobenzene	12.699	156	28294	5.280	ug/l	97
78) n-propylbenzene	12.758	91	148022	5.132	ug/l	100
79) 2-Chlorotoluene	12.846	91	86118	5.191	ug/l	98
80) 1,3,5-Trimethylbenzene	12.899	105	101657	5.232	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.464	75	8508	4.825	ug/l	91
82) 4-Chlorotoluene	12.941	91	90637	5.319	ug/l	99
83) tert-Butylbenzene	13.164	119	85892	5.054	ug/l	99
84) 1,2,4-Trimethylbenzene	13.211	105	99750	5.142	ug/l	99
85) sec-Butylbenzene	13.341	105	127777	5.090	ug/l	99
86) p-Isopropyltoluene	13.458	119	105183	5.063	ug/l	99
87) 1,3-Dichlorobenzene	13.452	146	54761	5.284	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	54771	5.295	ug/l	94
89) n-Butylbenzene	13.782	91	102798	5.156	ug/l	98
90) Hexachloroethane	14.046	117	20426	5.089	ug/l	96
91) 1,2-Dichlorobenzene	13.829	146	47016	5.154	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.440	75	3740	5.558	ug/l	86
93) 1,2,4-Trichlorobenzene	15.093	180	31144	5.449	ug/l	96
94) Hexachlorobutadiene	15.199	225	13981	5.299	ug/l	98
95) Naphthalene	15.329	128	68045	5.358	ug/l	98
96) 1,2,3-Trichlorobenzene	15.517	180	27263	5.547	ug/l	98

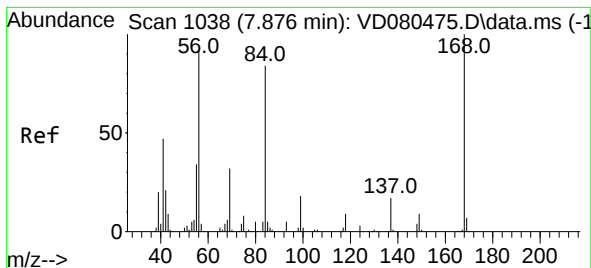
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062625\
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Quant Title : SW846 8260
QLast Update : Fri Jun 27 05:45:13 2025
Response via : Initial Calibration

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

Instrument :

MSVOA_D

ClientSampleId :

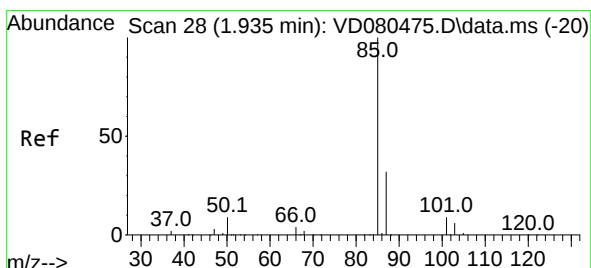
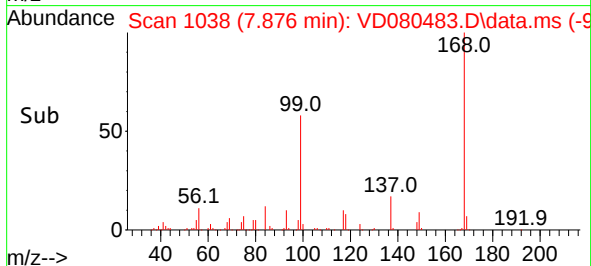
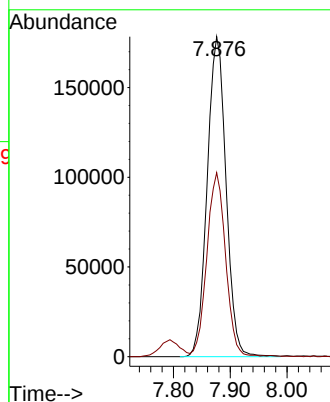
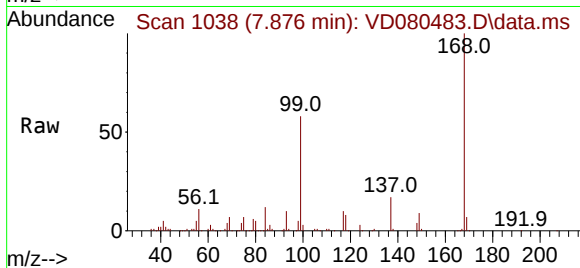
LOQ-SOIL-02-QT2-2025

Tgt Ion:168 Resp: 409581

Ion Ratio Lower Upper

168 100

99 57.4 45.8 68.8



#2

Dichlorodifluoromethane

Concen: 5.138 ug/l

RT: 1.935 min Scan# 28

Delta R.T. 0.000 min

Lab File: VD080483.D

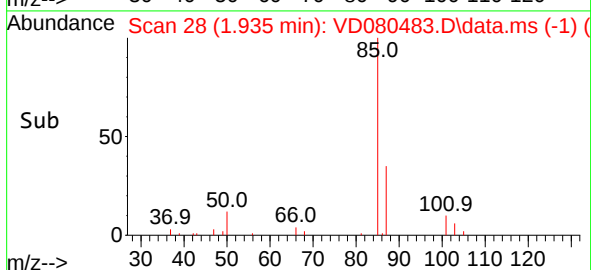
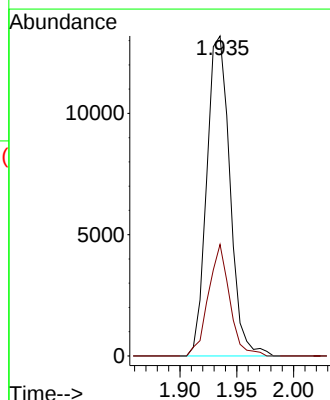
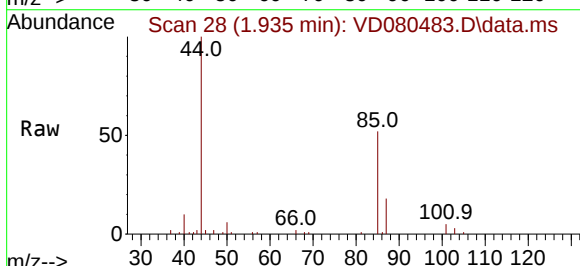
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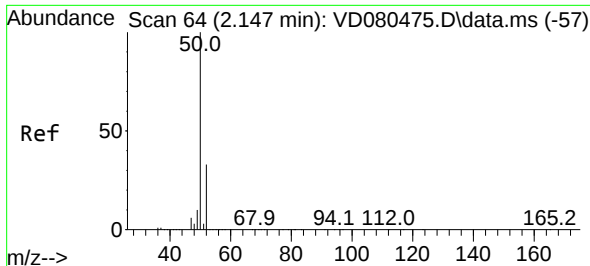
Tgt Ion: 85 Resp: 18707

Ion Ratio Lower Upper

85 100

87 34.9 16.0 47.9

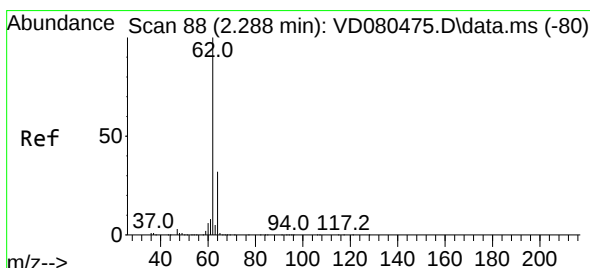
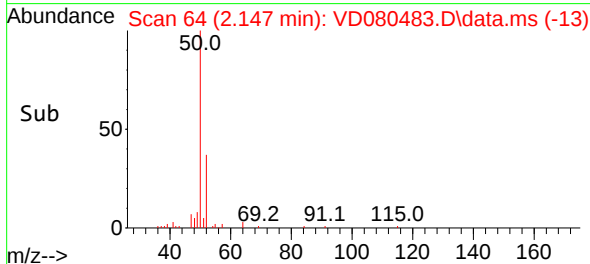
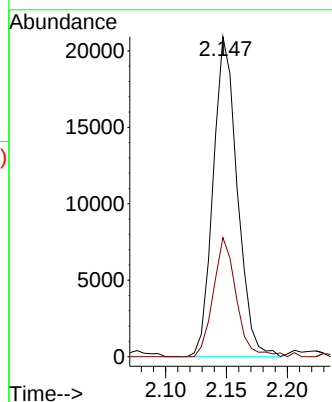
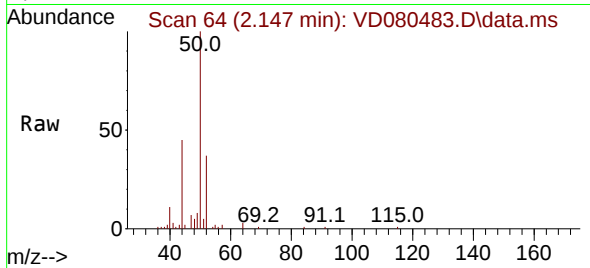




#3
Chloromethane
Concen: 5.686 ug/l
RT: 2.147 min Scan# 64
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

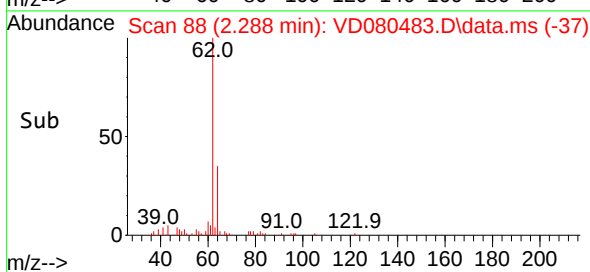
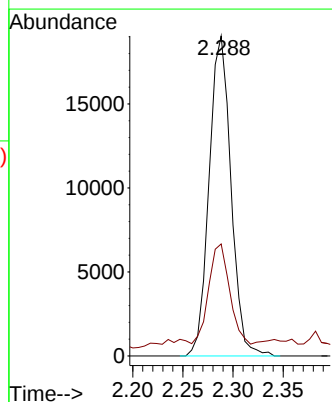
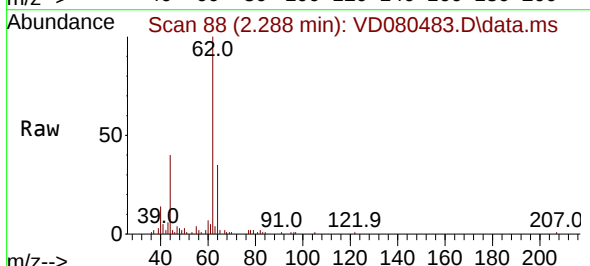
Instrument :
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LOQ-SOIL-02-QT2-2025

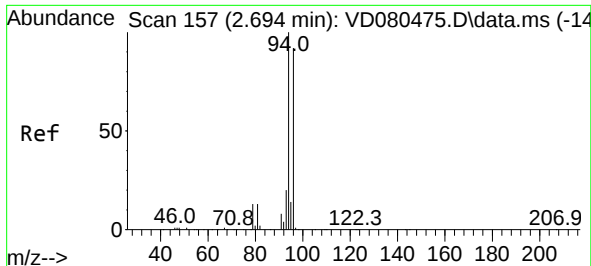
Tgt Ion: 50 Resp: 28916
Ion Ratio Lower Upper
50 100
52 37.2 26.1 39.1



#4
Vinyl Chloride
Concen: 5.606 ug/l
RT: 2.288 min Scan# 88
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion: 62 Resp: 28919
Ion Ratio Lower Upper
62 100
64 30.3 25.5 38.3

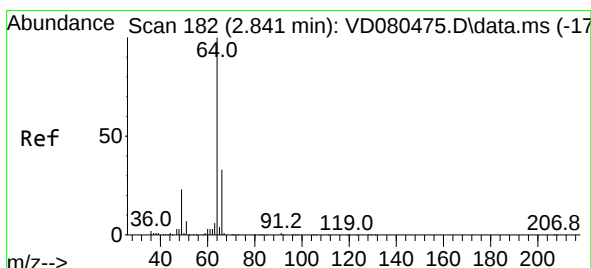
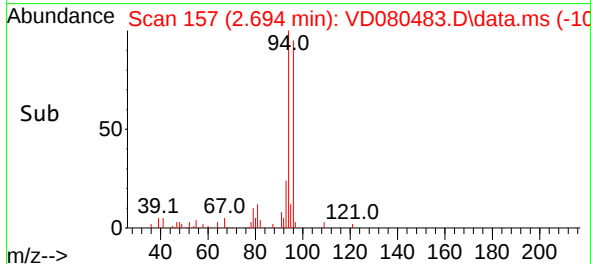
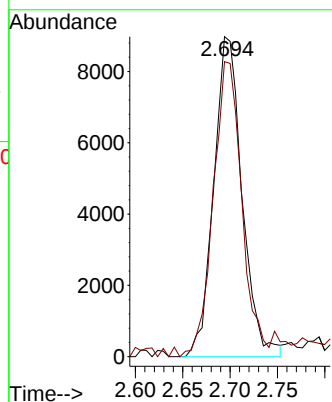
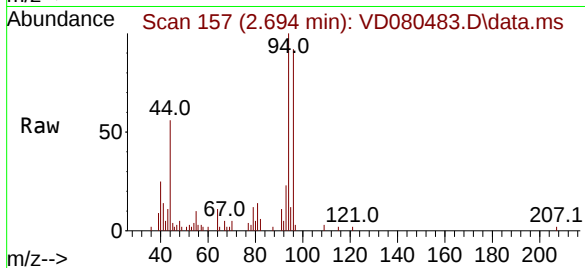




#5
Bromomethane
Concen: 6.546 ug/l
RT: 2.694 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

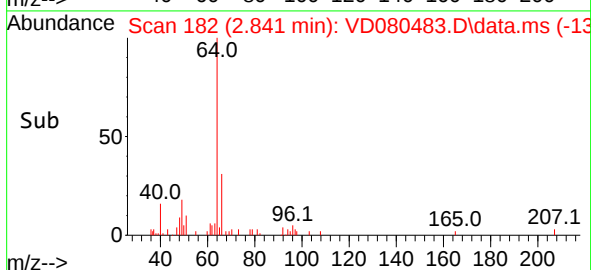
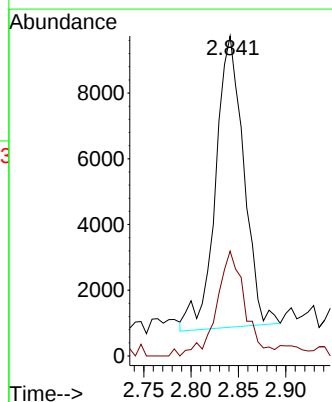
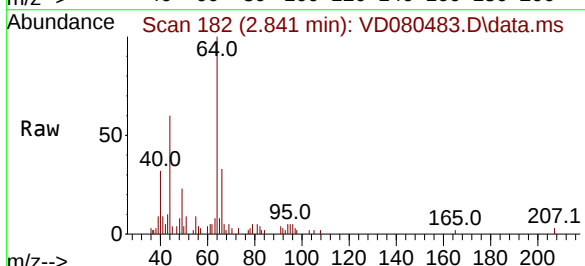
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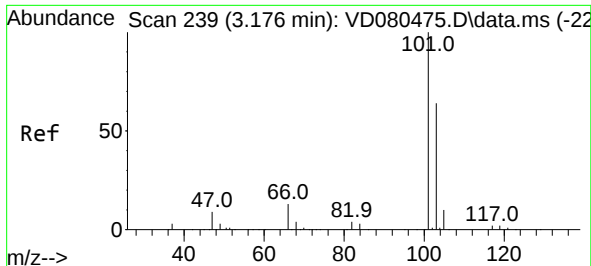
Tgt Ion: 94 Resp: 18663
Ion Ratio Lower Upper
94 100
96 92.8 74.8 112.2



#6
Chloroethane
Concen: 5.653 ug/l
RT: 2.841 min Scan# 182
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion: 64 Resp: 18304
Ion Ratio Lower Upper
64 100
66 36.5 26.3 39.5

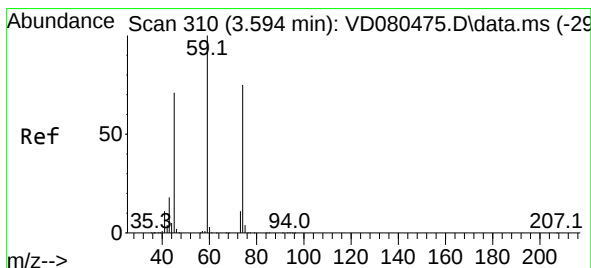
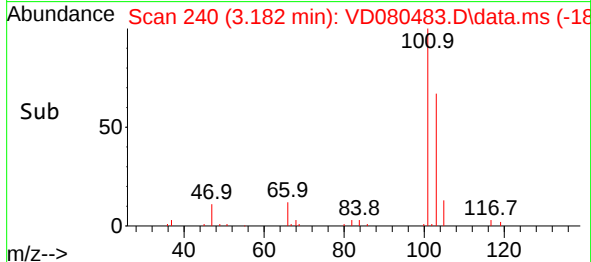
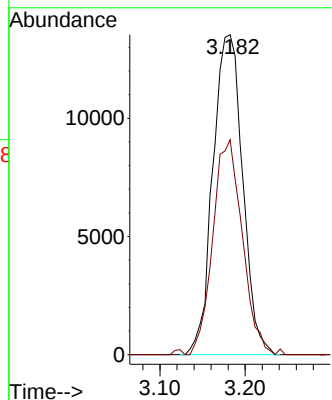
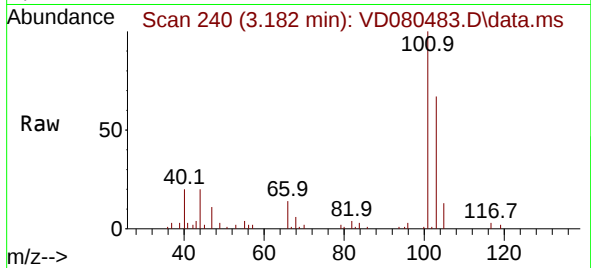




#7
 Trichlorofluoromethane
 Concen: 5.062 ug/l
 RT: 3.182 min Scan# 241
 Delta R.T. 0.006 min
 Lab File: VD080483.D
 Acq: 26 Jun 2025 15:58

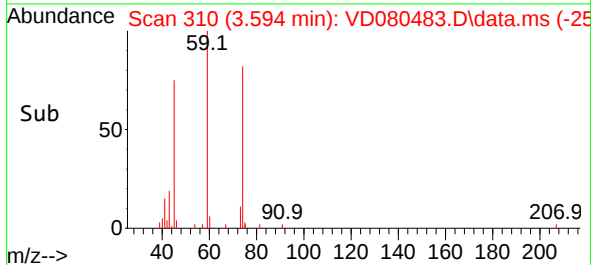
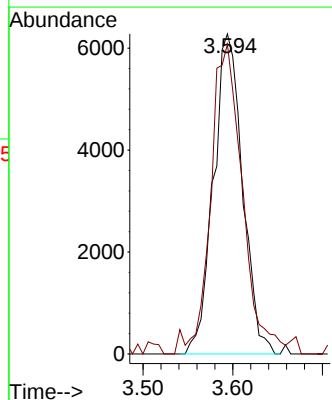
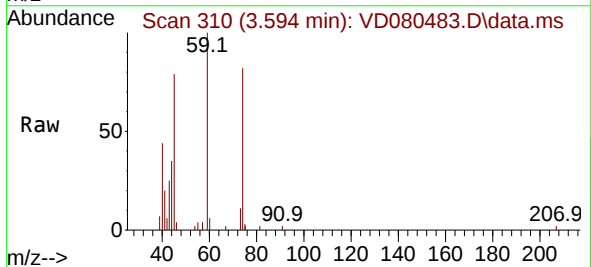
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

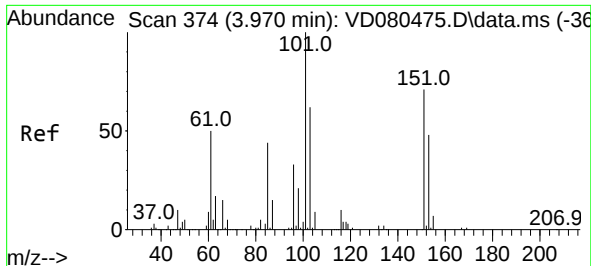
Tgt Ion:101 Resp: 32849
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.3 76.9



#8
 Diethyl Ether
 Concen: 5.603 ug/l
 RT: 3.594 min Scan# 310
 Delta R.T. 0.000 min
 Lab File: VD080483.D
 Acq: 26 Jun 2025 15:58

Tgt Ion: 74 Resp: 14155
 Ion Ratio Lower Upper
 74 100
 45 97.2 46.6 139.8

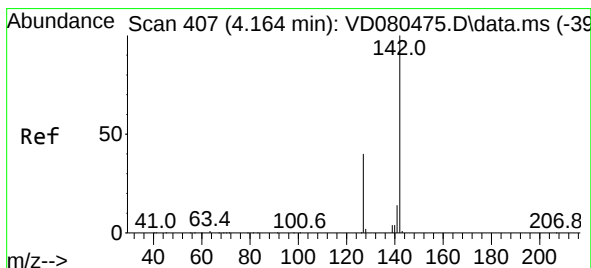
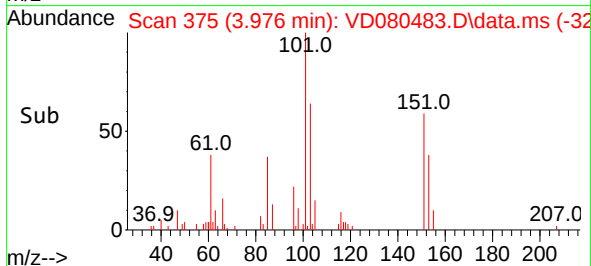
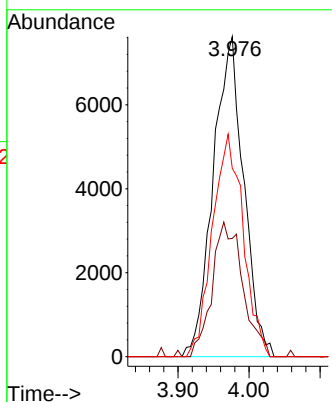
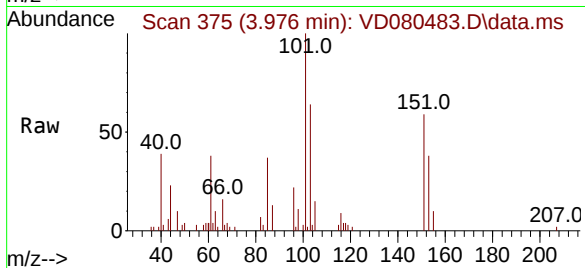




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.297 ug/l
RT: 3.976 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

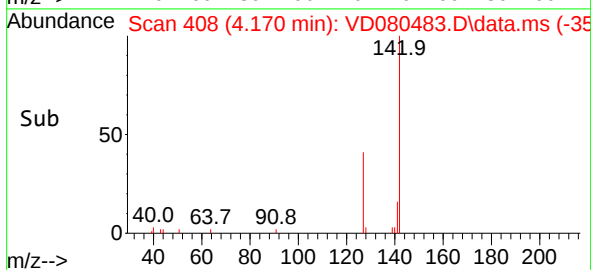
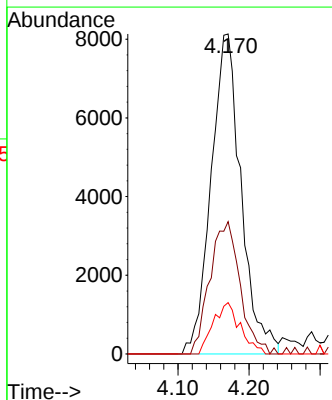
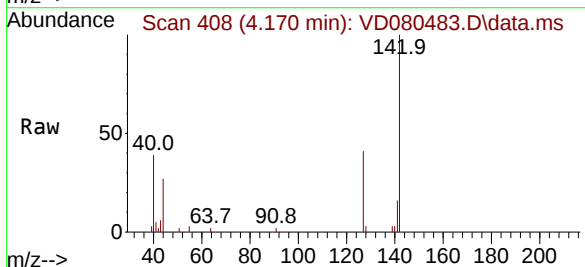
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

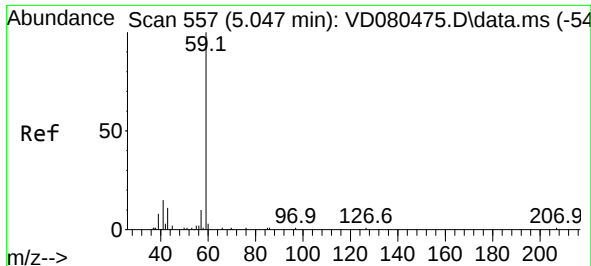
Tgt Ion:	101	Resp:	22739
Ion	Ratio	Lower	Upper
101	100		
85	42.3	34.0	51.0
151	69.8	58.4	87.6



#10
Methyl Iodide
Concen: 4.716 ug/l
RT: 4.170 min Scan# 408
Delta R.T. 0.006 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion:	142	Resp:	23840
Ion	Ratio	Lower	Upper
142	100		
127	41.7	32.6	49.0
141	14.4	11.1	16.7

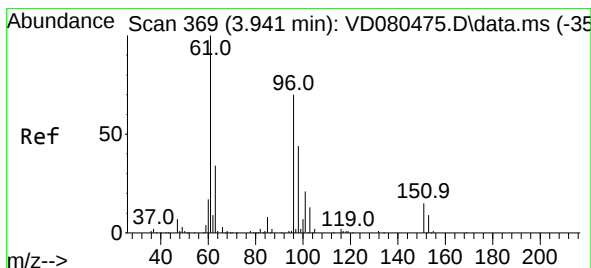
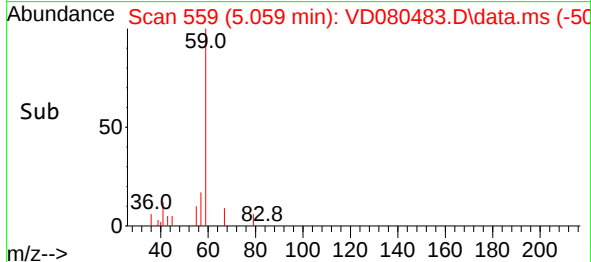
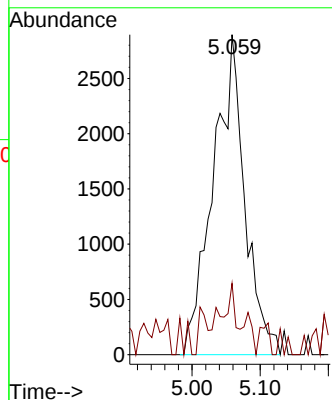
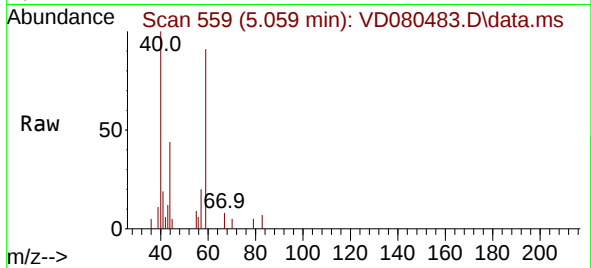




#11
Tert butyl alcohol
Concen: 28.528 ug/l
RT: 5.059 min Scan# 51
Delta R.T. 0.012 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

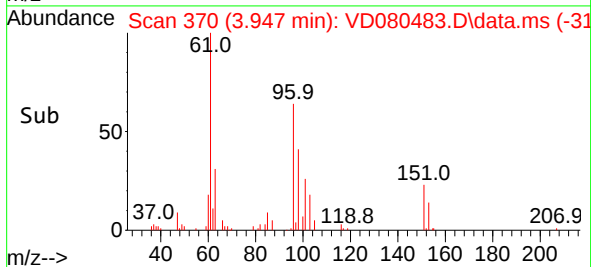
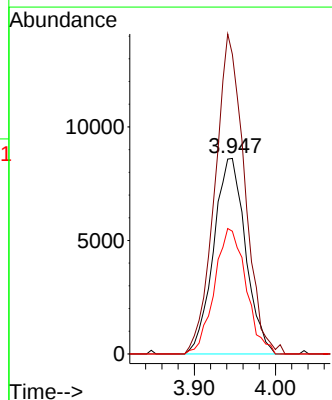
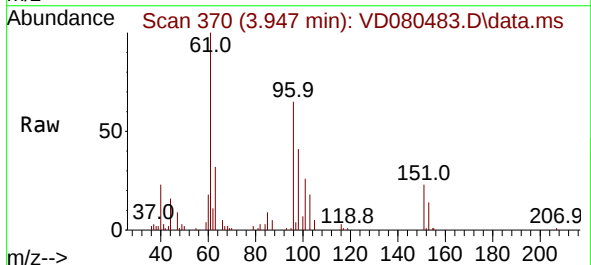
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

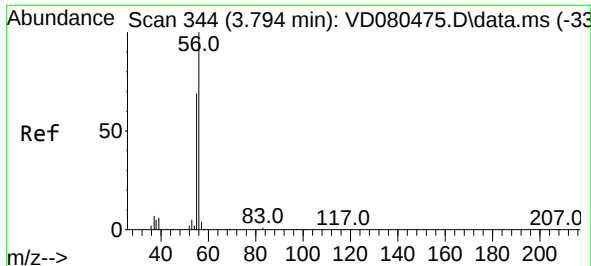
Tgt Ion: 59 Resp: 9327
Ion Ratio Lower Upper
59 100
57 4.1 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 5.072 ug/l
RT: 3.947 min Scan# 370
Delta R.T. 0.006 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion: 96 Resp: 23512
Ion Ratio Lower Upper
96 100
61 153.3 114.9 172.3
98 62.8 50.5 75.7

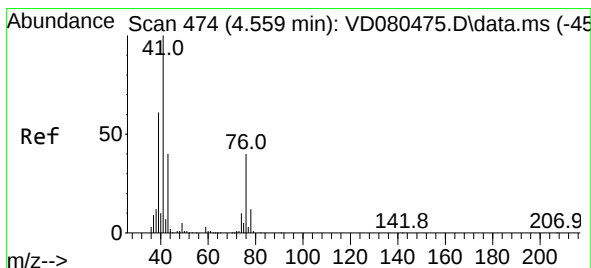
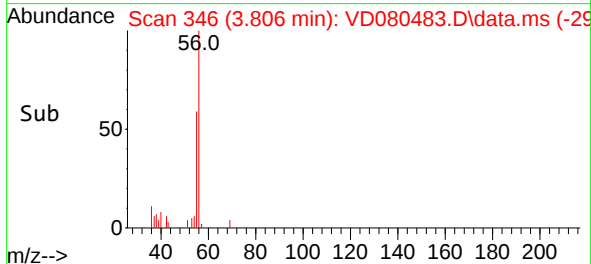
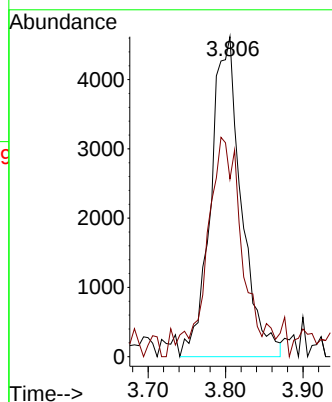
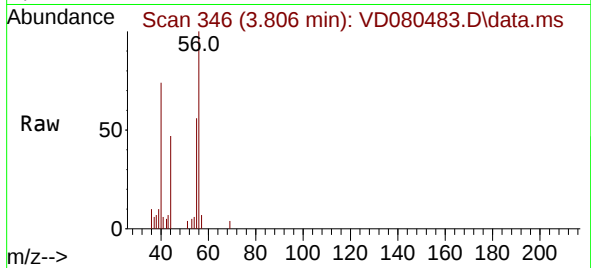




#13
Acrolein
Concen: 28.469 ug/l
RT: 3.806 min Scan# 344
Delta R.T. 0.012 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

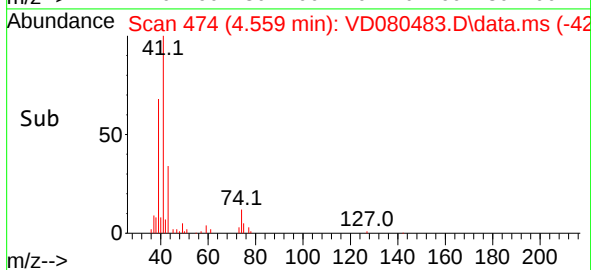
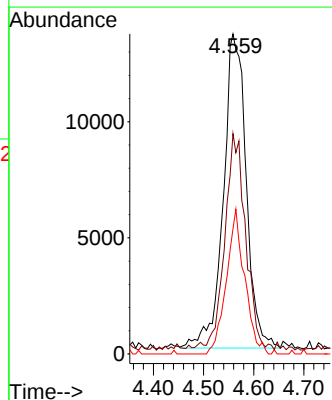
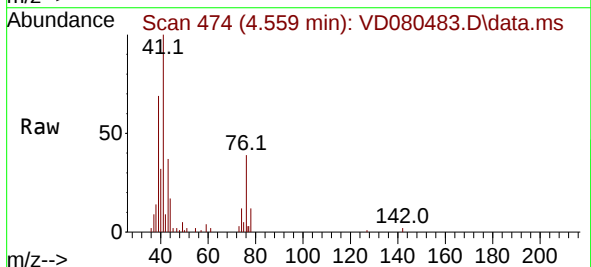
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

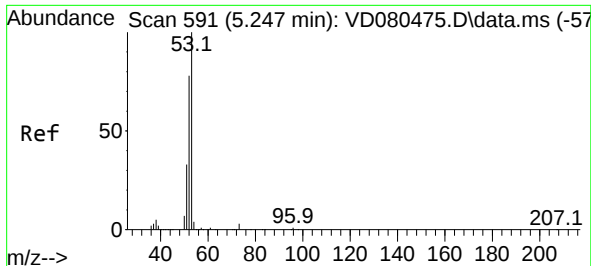
Tgt Ion: 56 Resp: 12684
Ion Ratio Lower Upper
56 100
55 76.5 56.2 84.2



#14
Allyl chloride
Concen: 5.286 ug/l
RT: 4.559 min Scan# 474
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion: 41 Resp: 42903
Ion Ratio Lower Upper
41 100
39 62.1 47.4 71.2
76 36.9 30.5 45.7

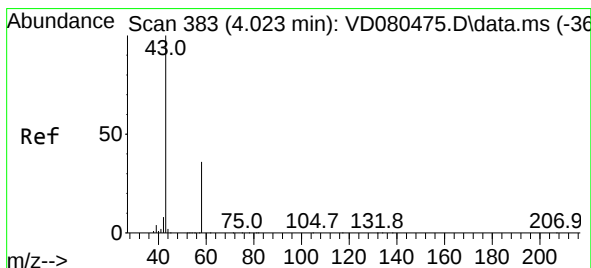
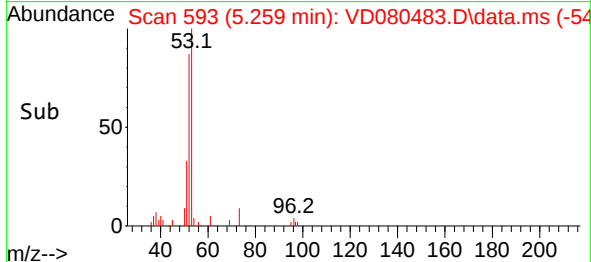
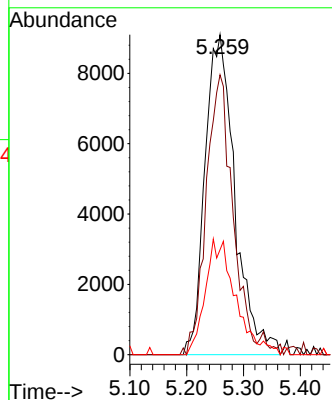
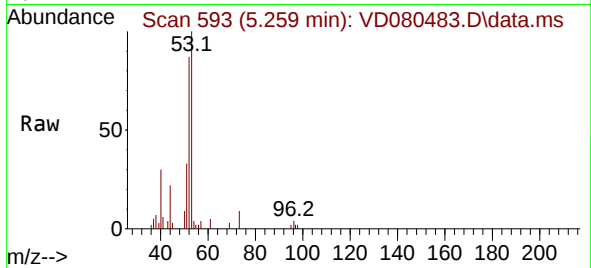




#15
Acrylonitrile
Concen: 27.681 ug/l
RT: 5.259 min Scan# 591
Delta R.T. 0.012 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

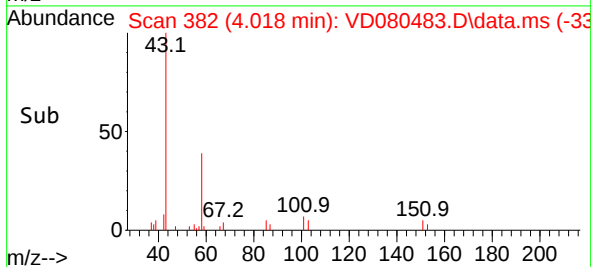
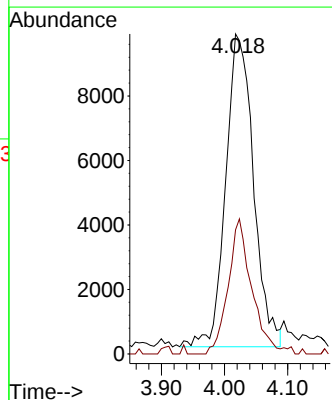
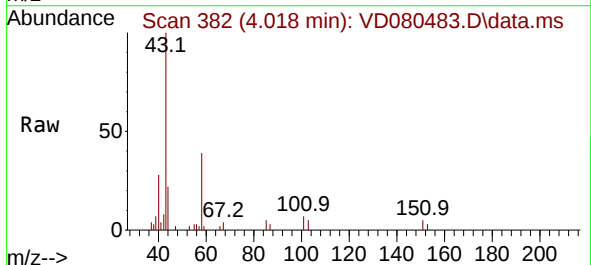
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

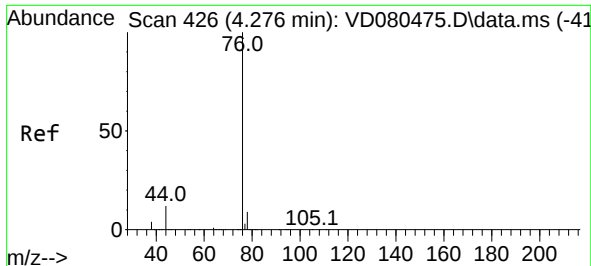
Tgt Ion: 53	Resp: 33270
Ion Ratio	Lower Upper
53 100	
52 76.8	64.7 97.1
51 35.1	27.9 41.9



#16
Acetone
Concen: 28.637 ug/l
RT: 4.018 min Scan# 382
Delta R.T. -0.006 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion: 43	Resp: 29709		
Ion Ratio	Lower	Upper	
43 100			
58 39.7	29.0	43.4	

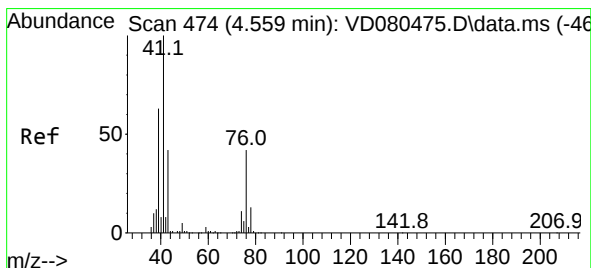
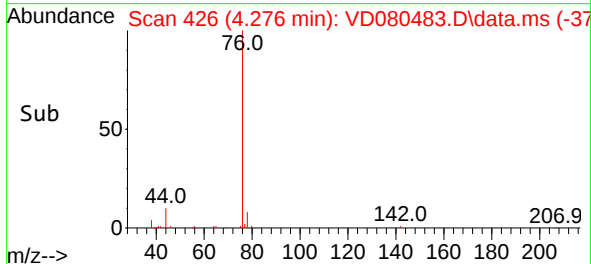
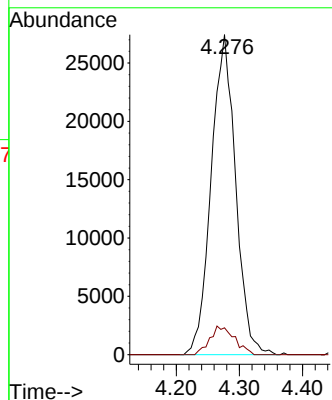
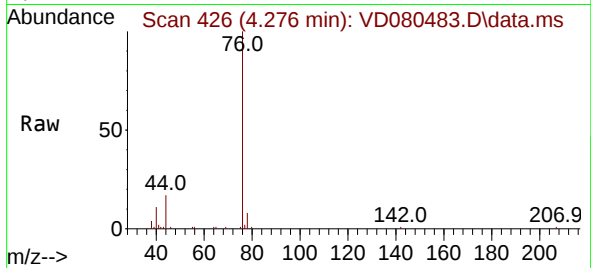




#17
Carbon Disulfide
Concen: 5.034 ug/l
RT: 4.276 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

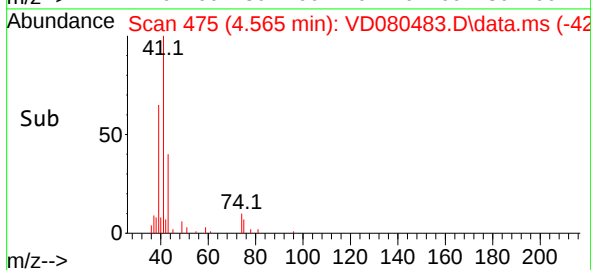
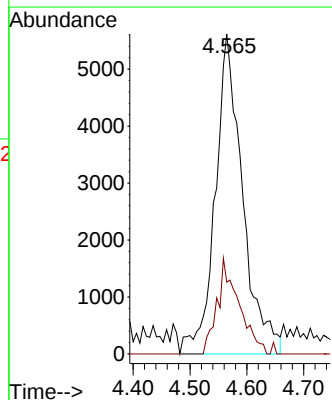
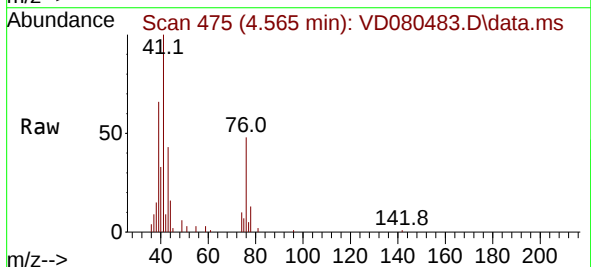
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

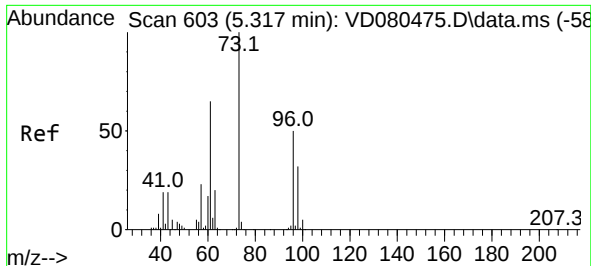
Tgt Ion: 76 Resp: 73685
Ion Ratio Lower Upper
76 100
78 8.4 7.2 10.8



#18
Methyl Acetate
Concen: 5.959 ug/l
RT: 4.565 min Scan# 475
Delta R.T. 0.006 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion: 43 Resp: 18803
Ion Ratio Lower Upper
43 100
74 23.9 20.4 30.6

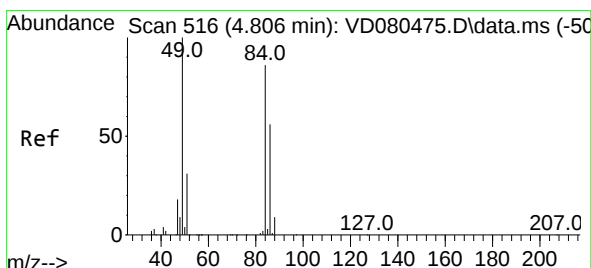
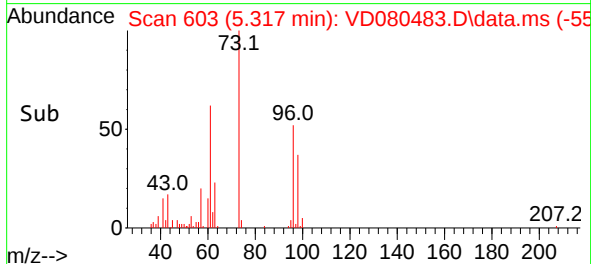
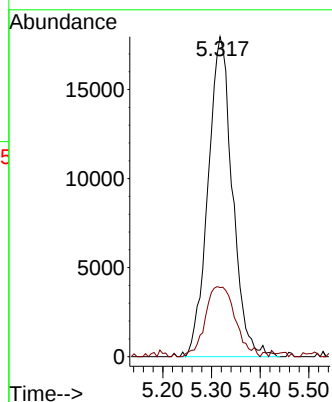
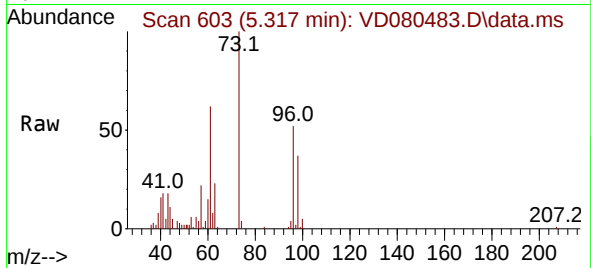




#19
Methyl tert-butyl Ether
Concen: 5.433 ug/l
RT: 5.317 min Scan# 603
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

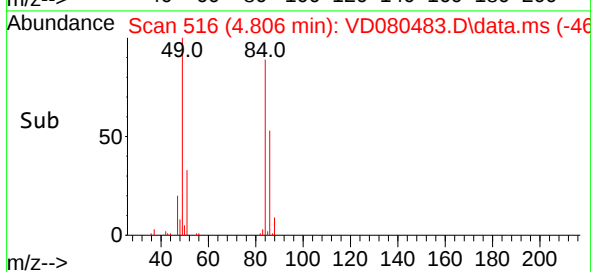
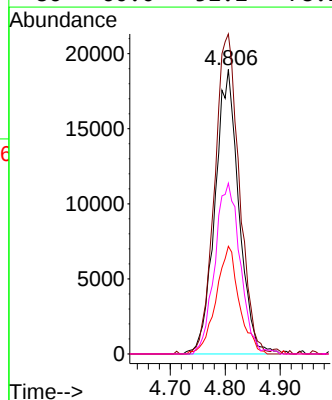
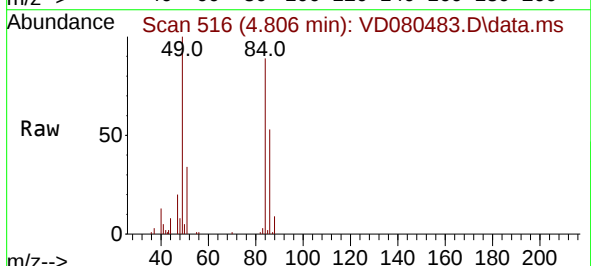
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

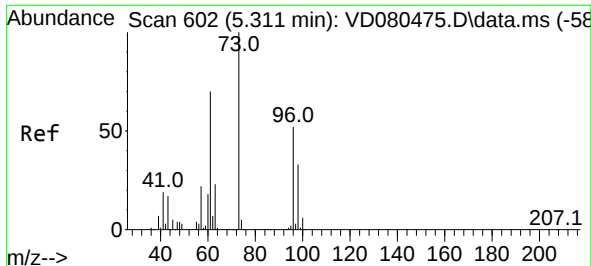
Tgt Ion: 73 Resp: 62592
Ion Ratio Lower Upper
73 100
57 21.6 18.5 27.7



#20
Methylene Chloride
Concen: 8.787 ug/l
RT: 4.806 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion: 84 Resp: 57066
Ion Ratio Lower Upper
84 100
49 112.5 92.8 139.2
51 37.9 29.0 43.6
86 60.0 52.2 78.2

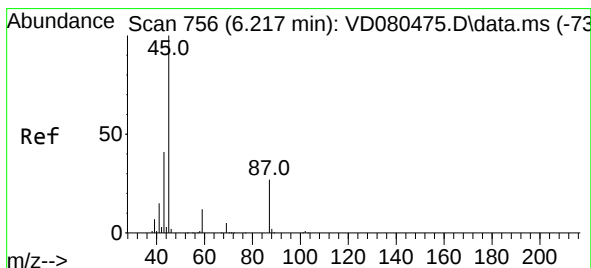
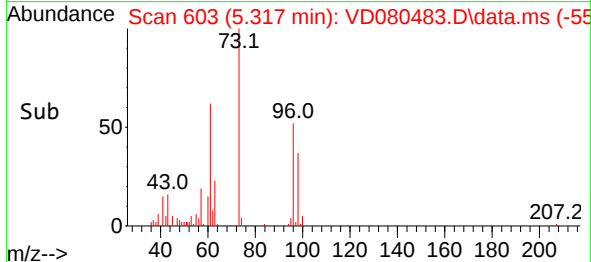
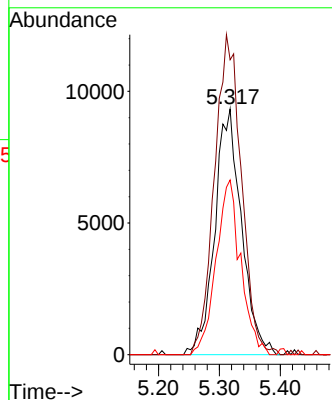
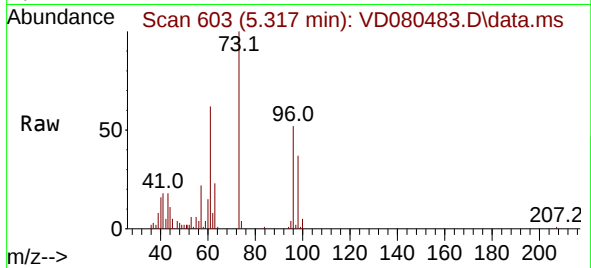




#21
trans-1,2-Dichloroethene
Concen: 5.513 ug/l
RT: 5.317 min Scan# 602
Delta R.T. 0.006 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

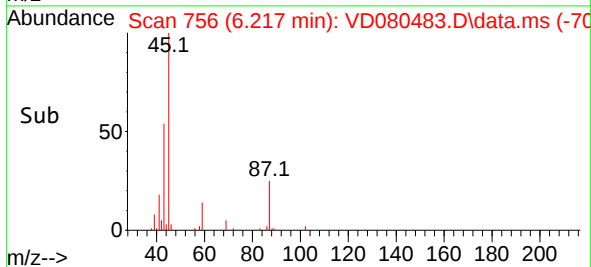
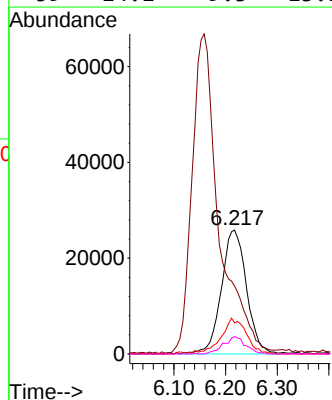
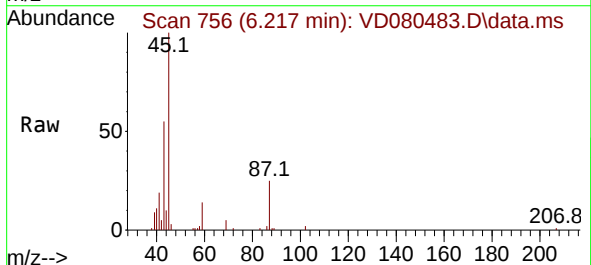
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

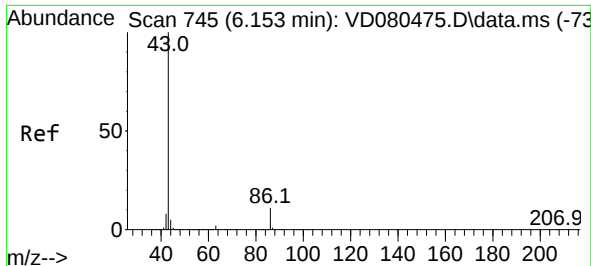
Tgt Ion: 96 Resp: 28502
Ion Ratio Lower Upper
96 100
61 120.0 108.6 163.0
98 71.1 51.5 77.3



#22
Diisopropyl ether
Concen: 5.581 ug/l
RT: 6.217 min Scan# 756
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion: 45 Resp: 87467
Ion Ratio Lower Upper
45 100
43 51.4 39.5 59.3
87 25.1 22.3 33.5
59 14.1 9.3 13.9#

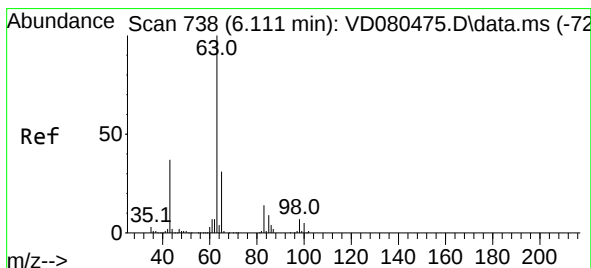
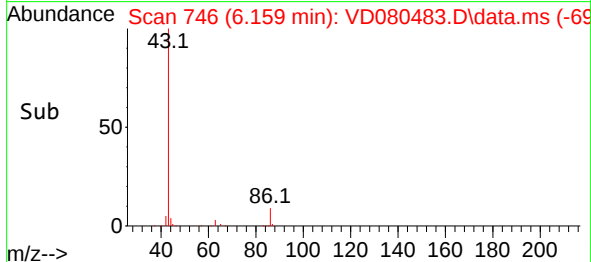
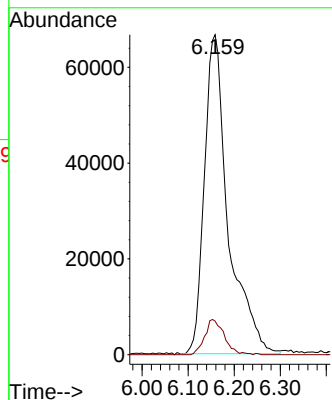
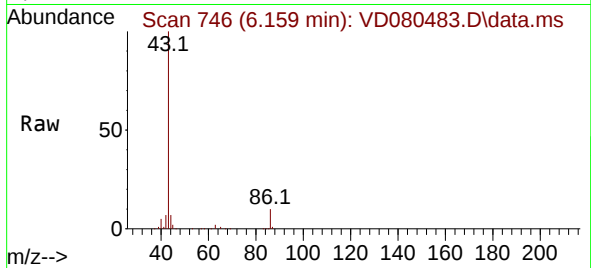




#23
 Vinyl Acetate
 Concen: 26.857 ug/l
 RT: 6.159 min Scan# 746
 Delta R.T. 0.006 min
 Lab File: VD080483.D
 Acq: 26 Jun 2025 15:58

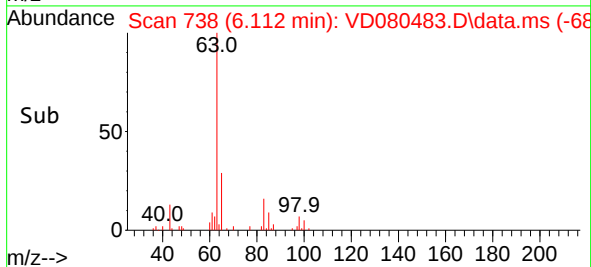
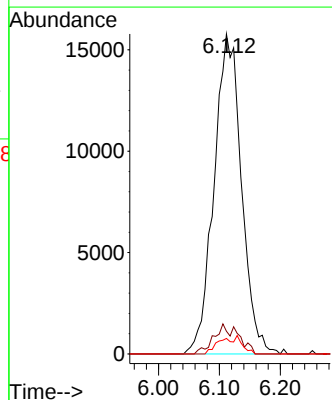
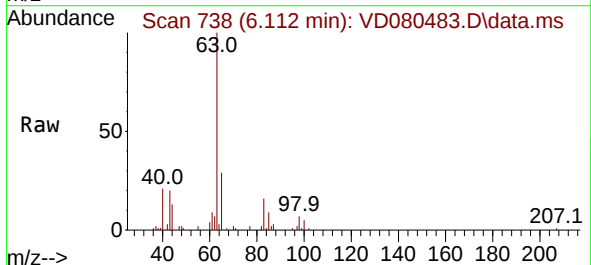
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

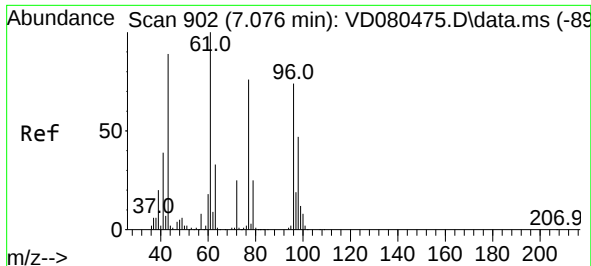
Tgt Ion: 43 Resp: 239835
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 5.380 ug/l
 RT: 6.112 min Scan# 738
 Delta R.T. 0.000 min
 Lab File: VD080483.D
 Acq: 26 Jun 2025 15:58

Tgt Ion: 63 Resp: 49472
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.3 9.9
 100 4.8 2.5 7.4

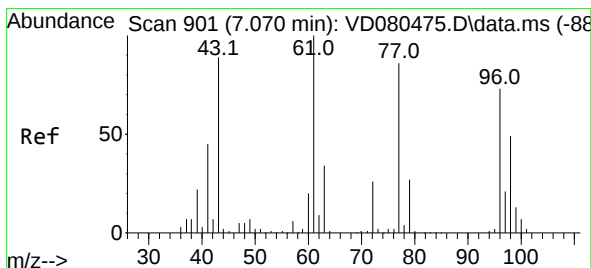
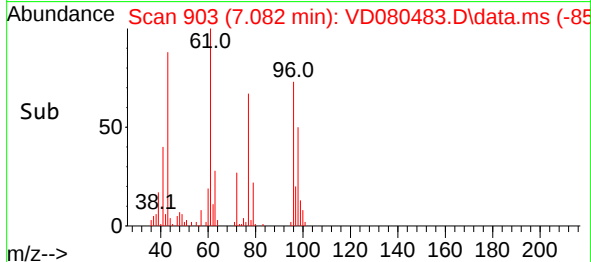
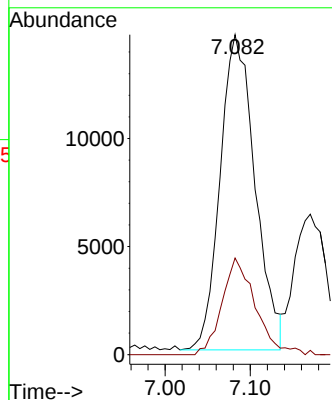
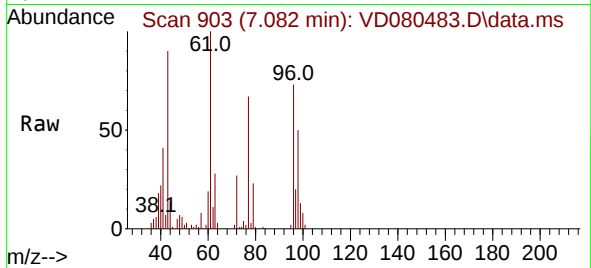




#25
2-Butanone
Concen: 27.275 ug/l
RT: 7.082 min Scan# 902
Delta R.T. 0.006 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

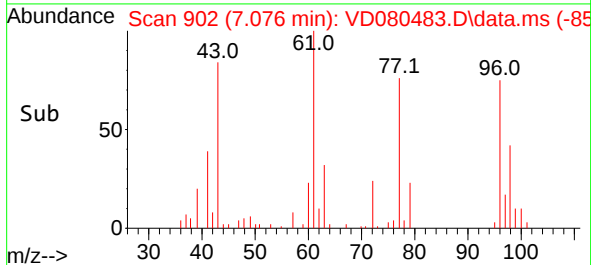
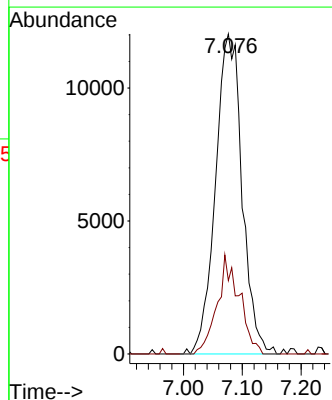
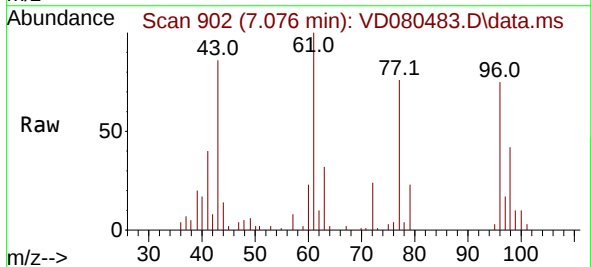
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

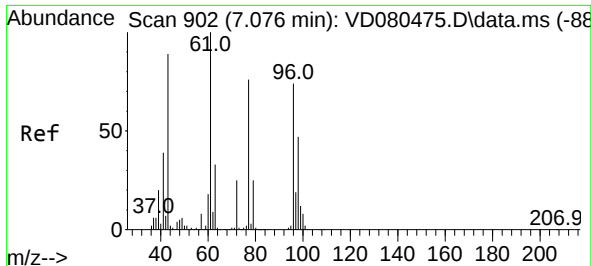
Tgt Ion: 43 Resp: 41532
Ion Ratio Lower Upper
43 100
72 30.7 22.8 34.2



#26
2,2-Dichloropropane
Concen: 5.195 ug/l
RT: 7.076 min Scan# 902
Delta R.T. 0.006 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion: 77 Resp: 37801
Ion Ratio Lower Upper
77 100
97 25.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 5.440 ug/l

RT: 7.082 min Scan# 90

Delta R.T. 0.006 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2025

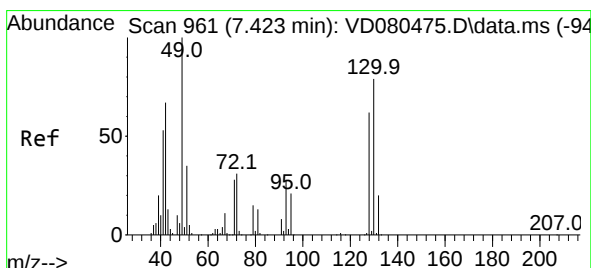
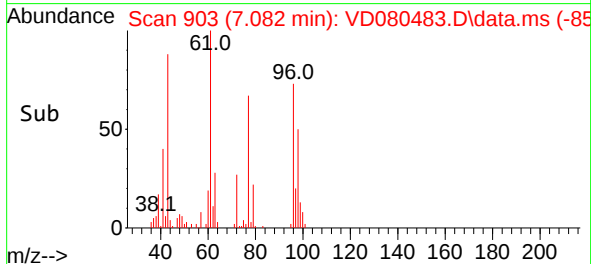
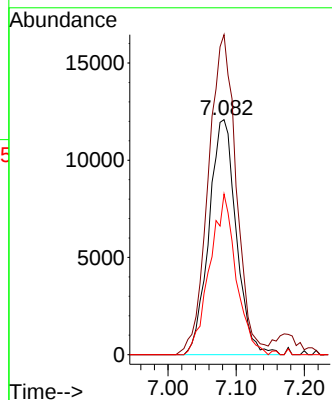
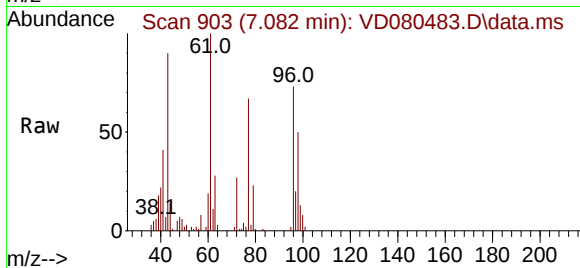
Tgt Ion: 96 Resp: 33623

Ion Ratio Lower Upper

96 100

61 139.7 0.0 274.6

98 66.1 0.0 128.0



#28

Bromochloromethane

Concen: 5.956 ug/l

RT: 7.429 min Scan# 962

Delta R.T. 0.006 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

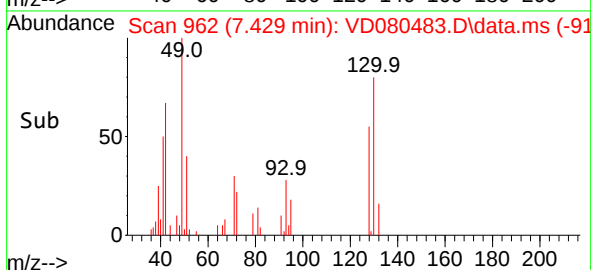
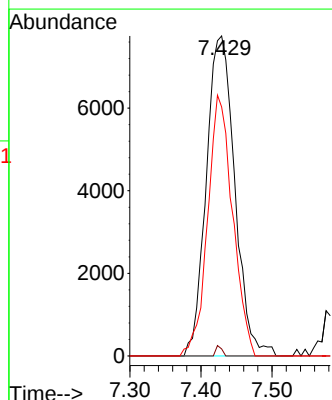
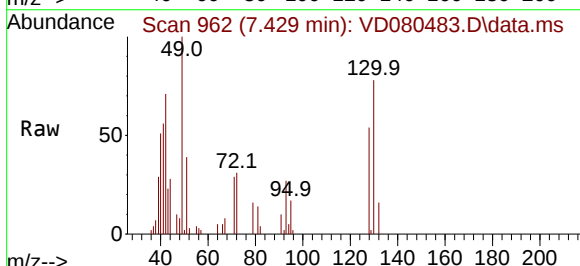
Tgt Ion: 49 Resp: 21593

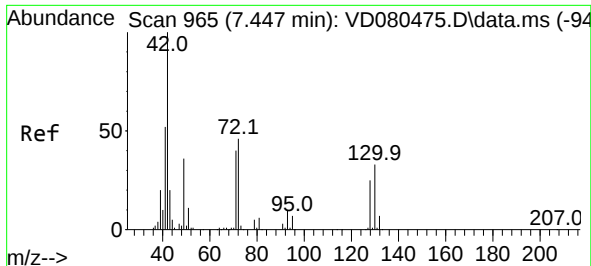
Ion Ratio Lower Upper

49 100

129 0.7 0.0 4.2

130 71.4 62.8 94.2





#29

Tetrahydrofuran

Concen: 27.980 ug/l

RT: 7.441 min Scan# 90

Delta R.T. -0.006 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

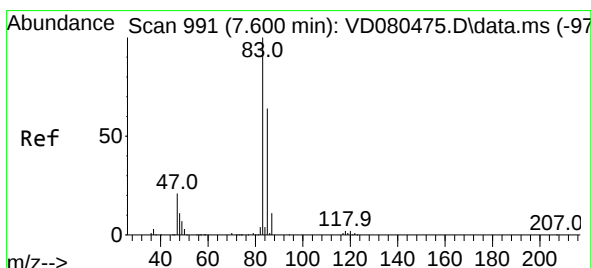
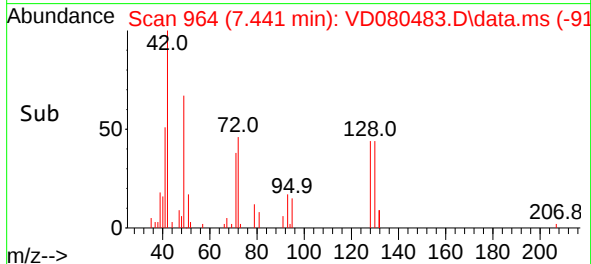
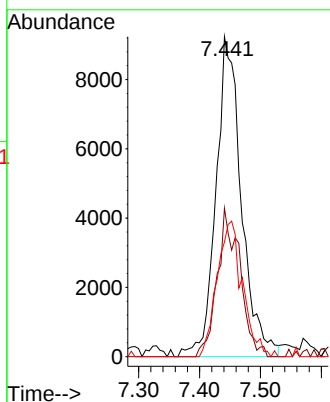
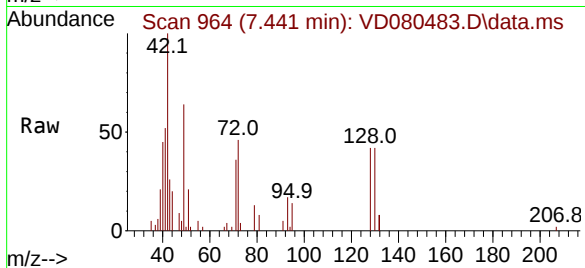
Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion:	42	Resp:	26841
Ion	Ratio	Lower	Upper
42	100		
72	41.4	35.9	53.9
71	42.3	33.2	49.8



#30

Chloroform

Concen: 5.467 ug/l

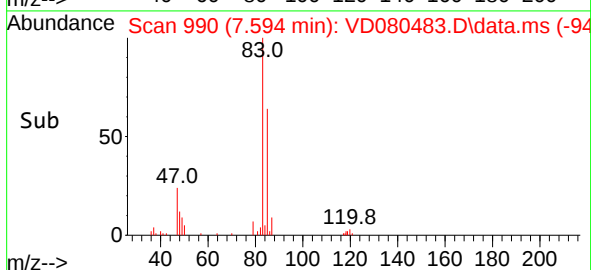
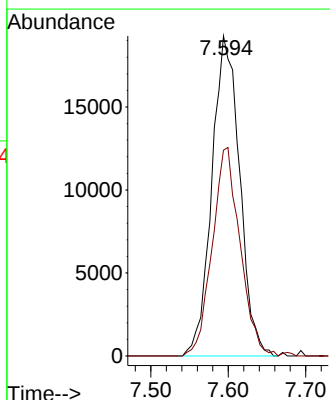
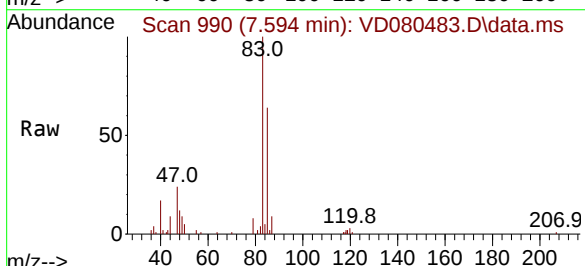
RT: 7.594 min Scan# 990

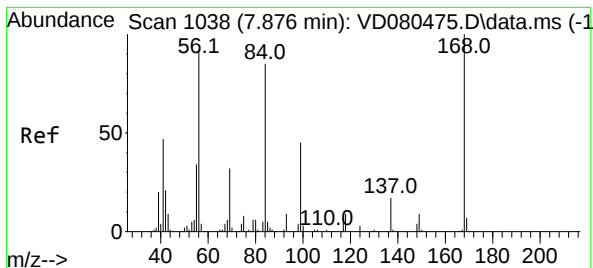
Delta R.T. -0.006 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

Tgt Ion:	83	Resp:	48120
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.2	76.8





#31

Cyclohexane

Concen: 5.776 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2025

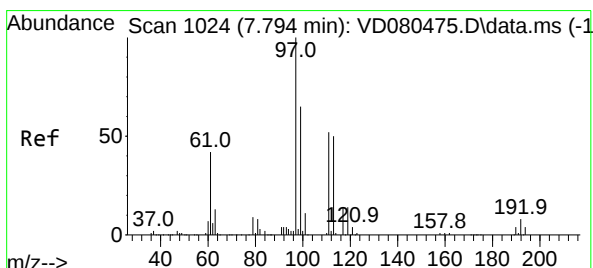
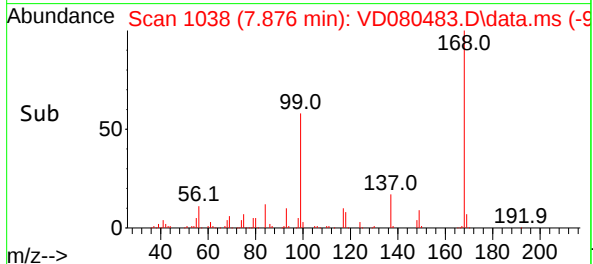
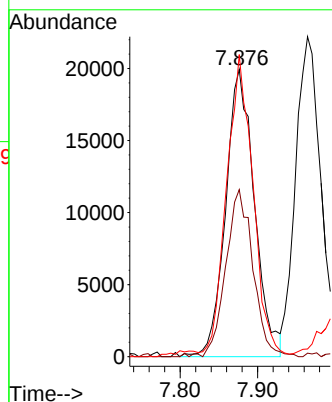
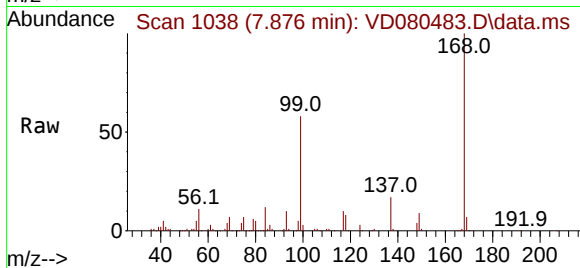
Tgt Ion: 56 Resp: 51463

Ion Ratio Lower Upper

56 100

69 58.2 28.1 42.1#

84 103.2 73.7 110.5



#32

1,1,1-Trichloroethane

Concen: 5.313 ug/l

RT: 7.788 min Scan# 1023

Delta R.T. -0.006 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

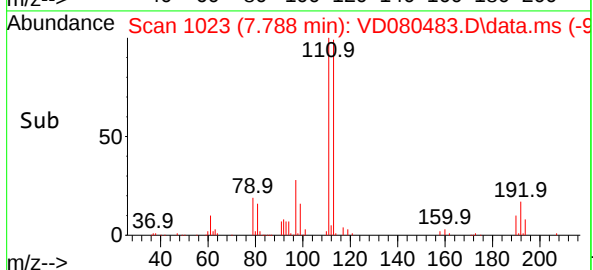
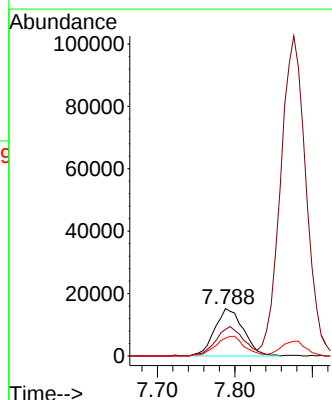
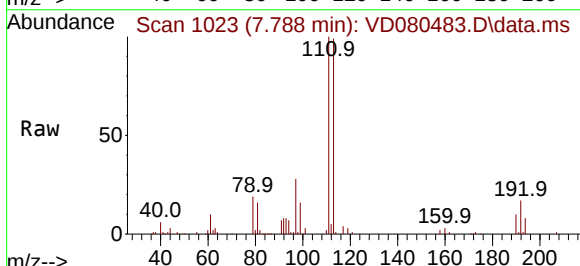
Tgt Ion: 97 Resp: 39104

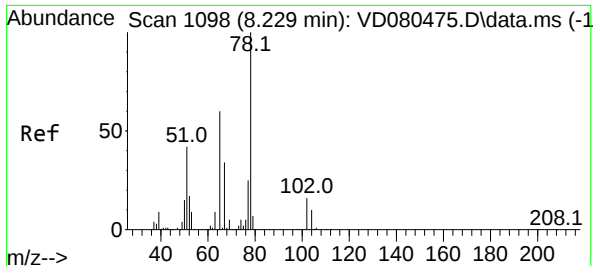
Ion Ratio Lower Upper

97 100

99 59.9 51.5 77.3

61 41.3 33.8 50.6

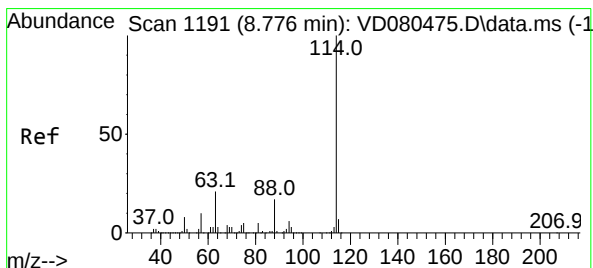
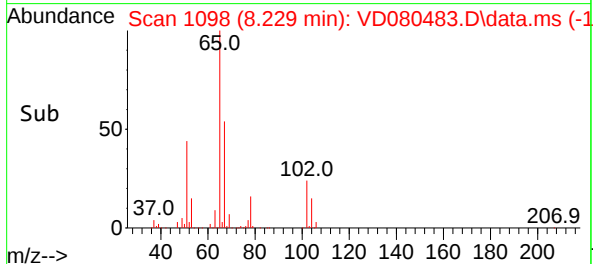
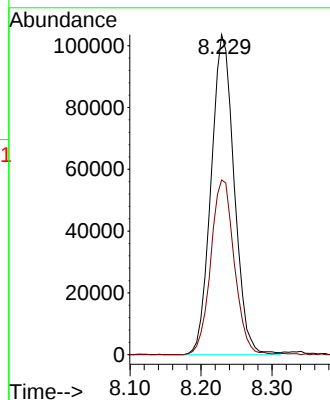
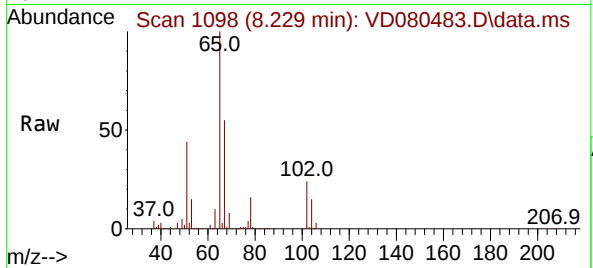




#33
 1,2-Dichloroethane-d4
 Concen: 58.137 ug/l
 RT: 8.229 min Scan# 1098
 Delta R.T. 0.000 min
 Lab File: VD080483.D
 Acq: 26 Jun 2025 15:58

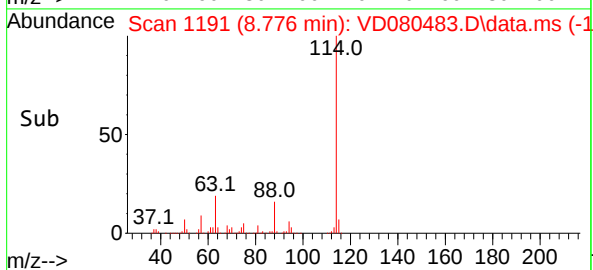
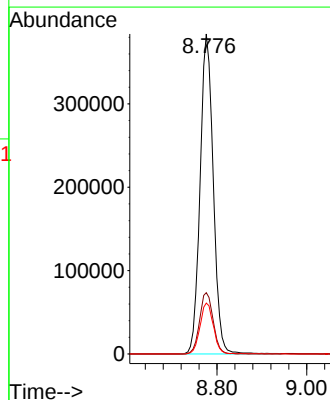
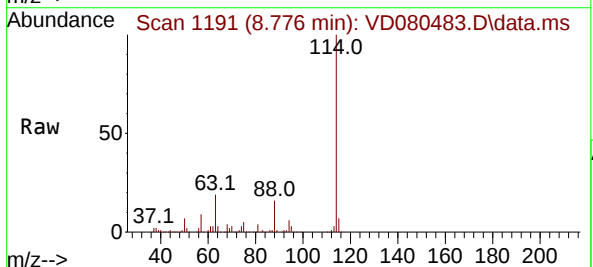
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

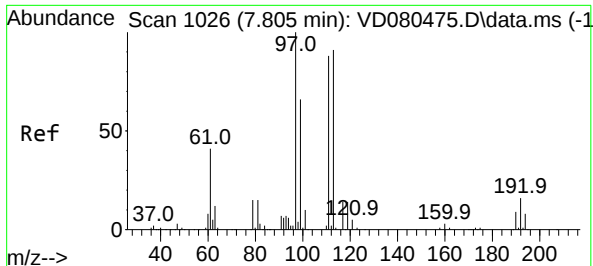
Tgt Ion: 65 Resp: 233440
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 113.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.776 min Scan# 1191
 Delta R.T. 0.000 min
 Lab File: VD080483.D
 Acq: 26 Jun 2025 15:58

Tgt Ion: 114 Resp: 781522
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 42.0
 88 15.9 0.0 33.8

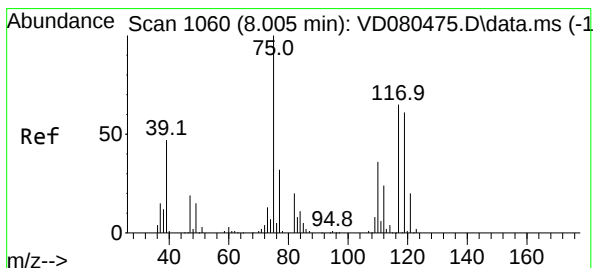
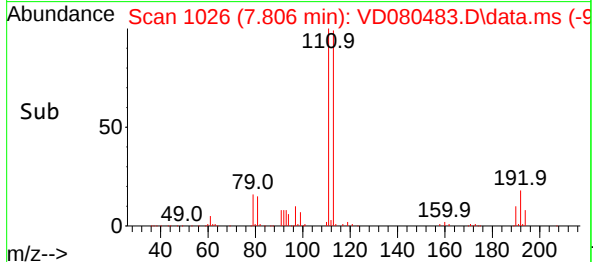
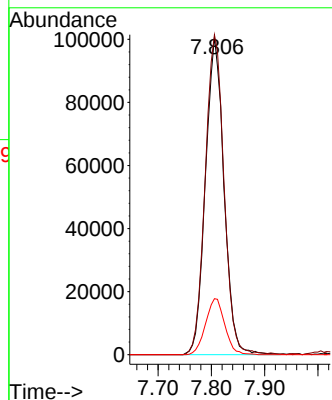
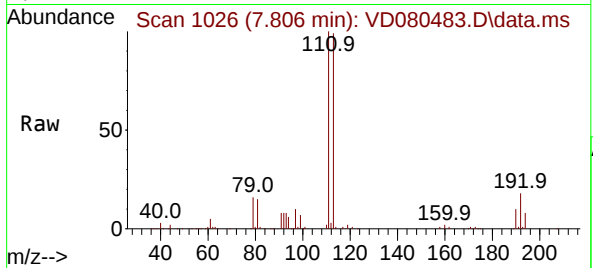




#35
Dibromofluoromethane
Concen: 55.381 ug/l
RT: 7.806 min Scan# 1026
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

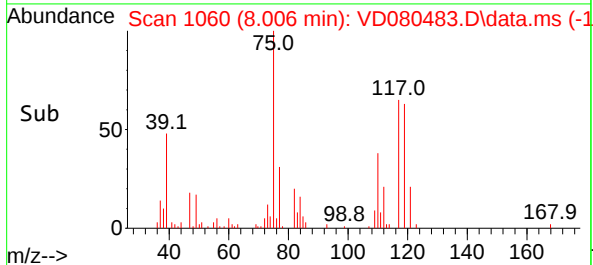
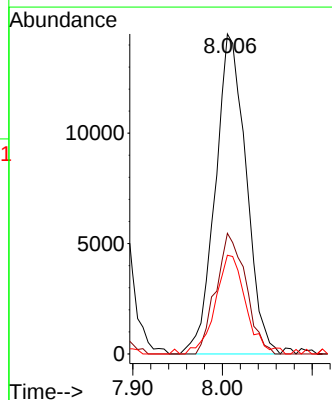
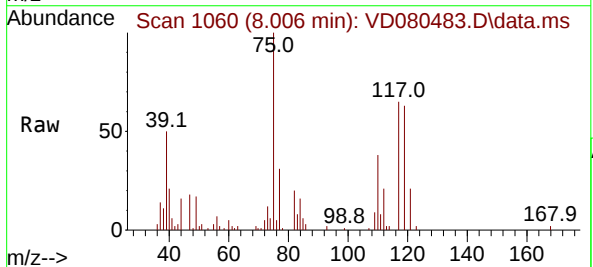
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

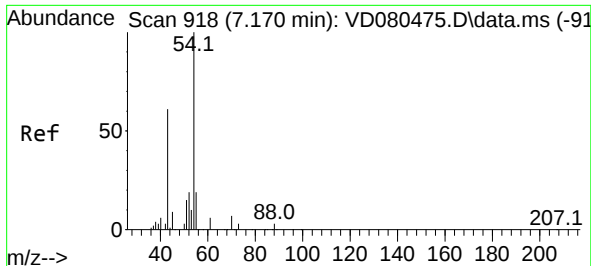
Tgt Ion:113 Resp: 242359
Ion Ratio Lower Upper
113 100
111 102.7 82.5 123.7
192 18.4 15.0 22.6



#36
1,1-Dichloropropene
Concen: 5.036 ug/l
RT: 8.006 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion: 75 Resp: 34423
Ion Ratio Lower Upper
75 100
110 36.6 18.2 54.6
77 30.6 25.2 37.8

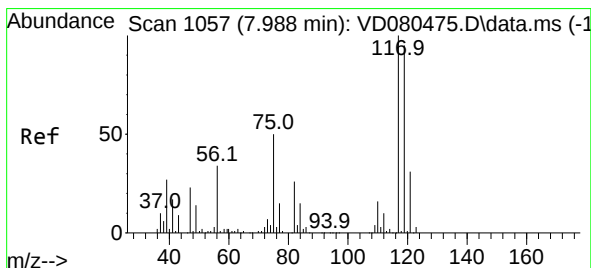
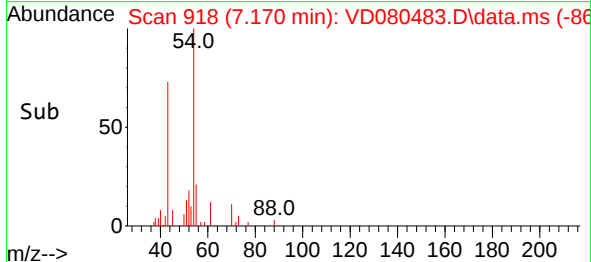
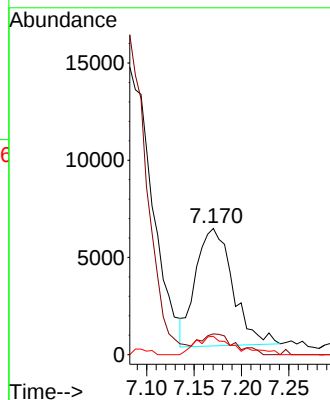
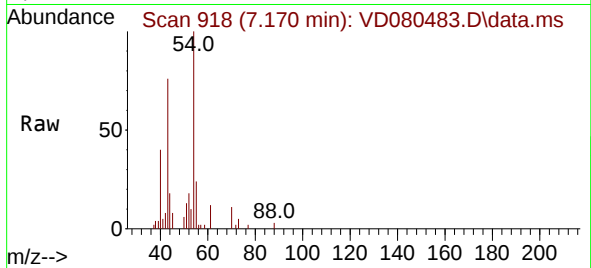




#37
Ethyl Acetate
Concen: 4.945 ug/l
RT: 7.170 min Scan# 918
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

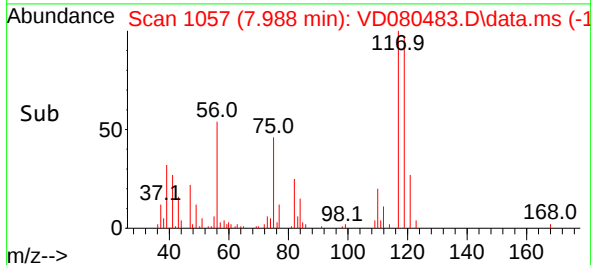
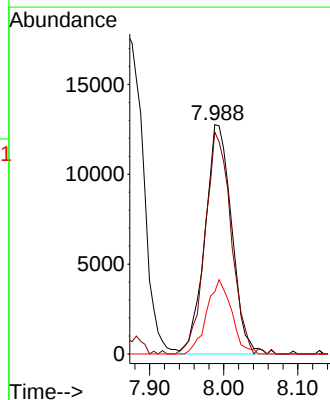
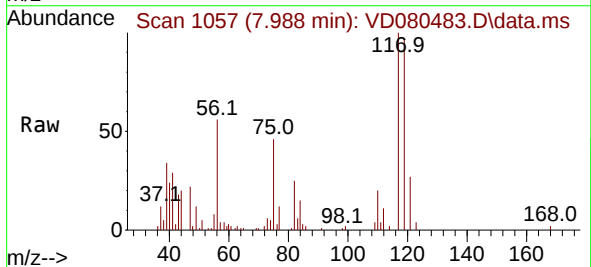
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

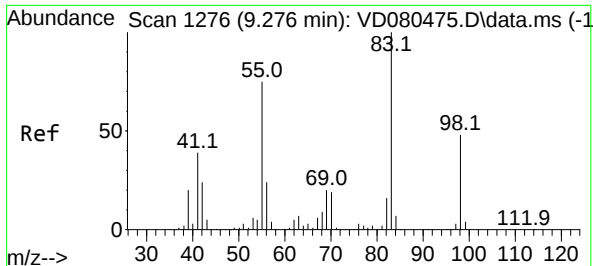
Tgt Ion: 43 Resp: 16428
Ion Ratio Lower Upper
43 100
61 16.7 12.2 18.2
70 16.6 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 4.896 ug/l
RT: 7.988 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion: 117 Resp: 31971
Ion Ratio Lower Upper
117 100
119 96.7 75.8 113.6
121 27.1 25.0 37.4





#39

Methylcyclohexane

Concen: 4.712 ug/l

RT: 9.270 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2025

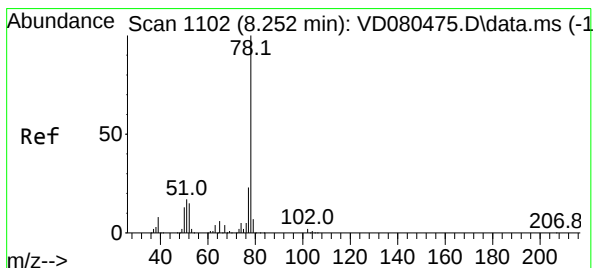
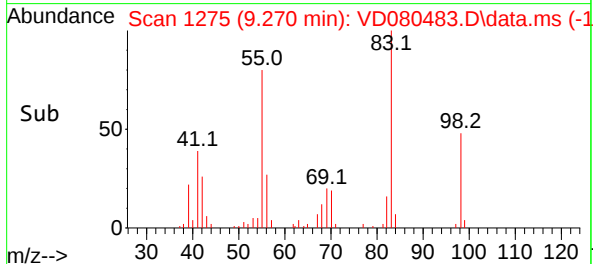
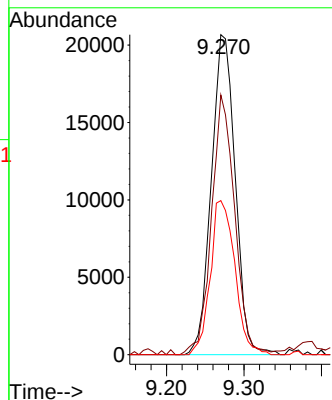
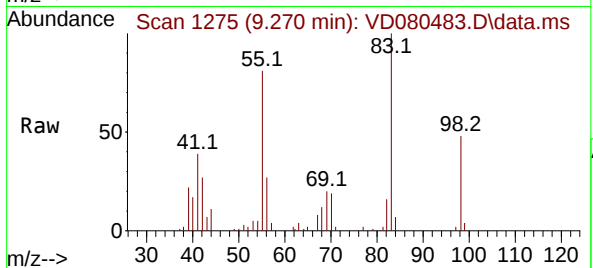
Tgt Ion: 83 Resp: 44338

Ion Ratio Lower Upper

83 100

55 81.2 59.8 89.8

98 48.2 38.2 57.2



#40

Benzene

Concen: 5.161 ug/l

RT: 8.253 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VD080483.D

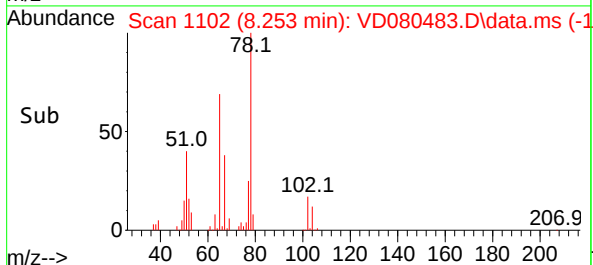
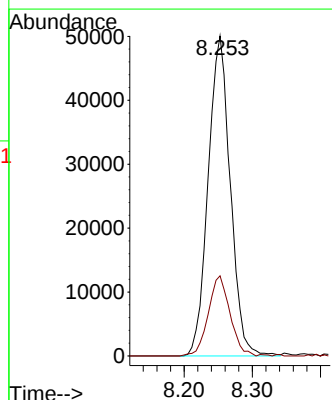
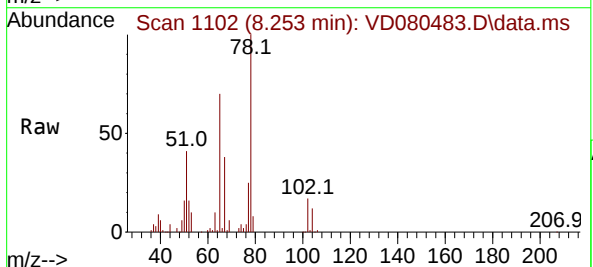
Acq: 26 Jun 2025 15:58

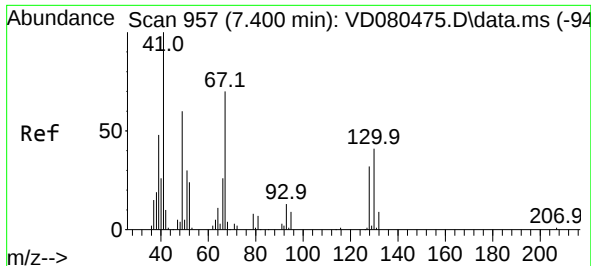
Tgt Ion: 78 Resp: 113213

Ion Ratio Lower Upper

78 100

77 25.0 18.6 28.0

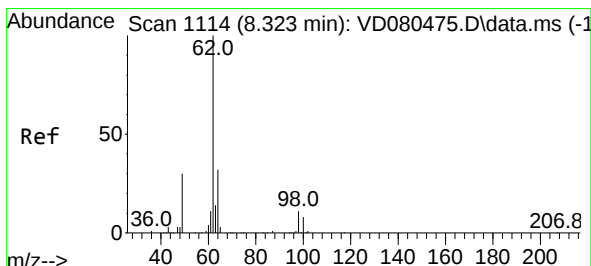
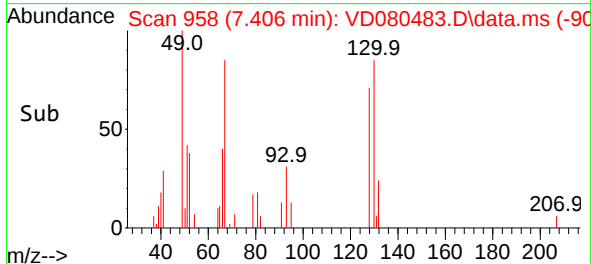
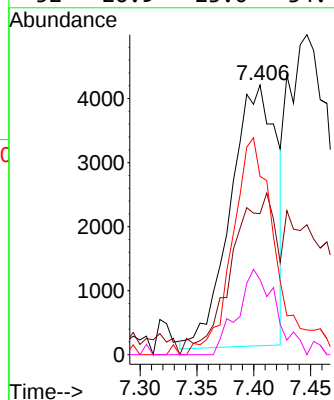
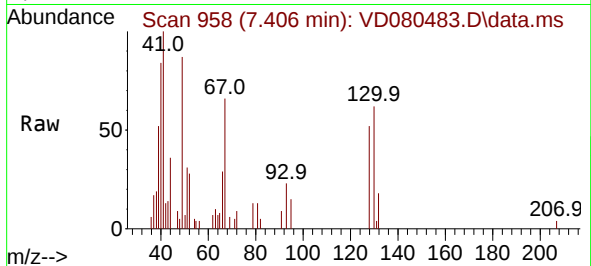




#41
Methacrylonitrile
Concen: 5.408 ug/l
RT: 7.406 min Scan# 911
Delta R.T. 0.006 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

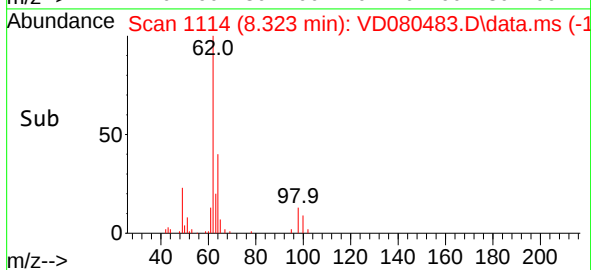
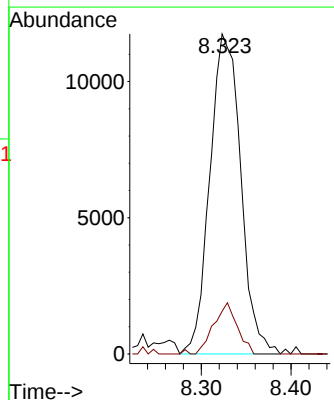
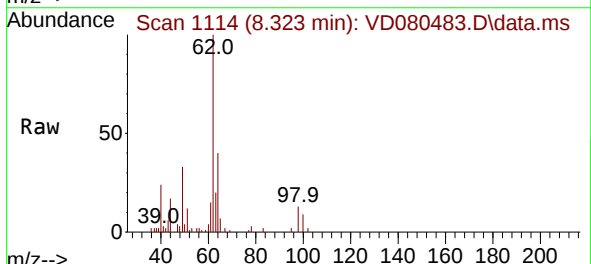
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

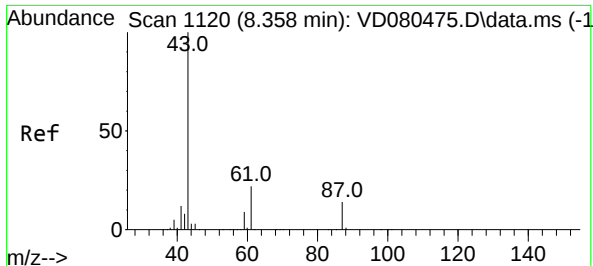
Tgt Ion:	41	Resp:	11481
Ion	Ratio	Lower	Upper
41	100		
39	60.2	43.4	65.0
67	77.9	59.2	88.8
52	26.9	23.0	34.4



#42
1,2-Dichloroethane
Concen: 5.438 ug/l
RT: 8.323 min Scan# 1114
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion:	62	Resp:	28064
Ion	Ratio	Lower	Upper
62	100		
98	12.1	0.0	22.0





#43

Isopropyl Acetate

Concen: 5.272 ug/l

RT: 8.364 min Scan# 1121

Delta R.T. 0.006 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

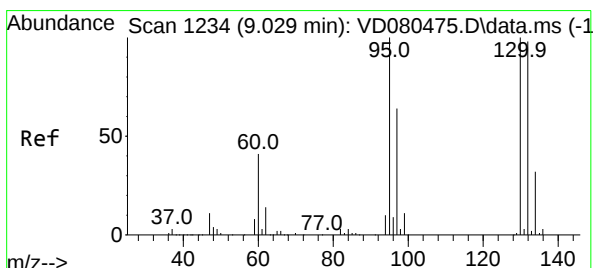
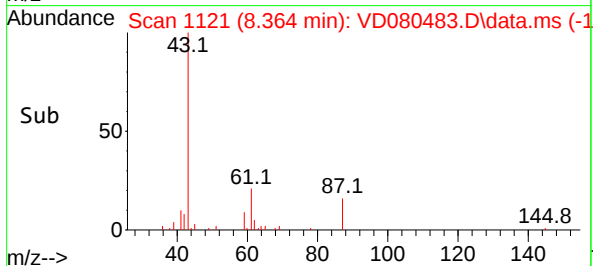
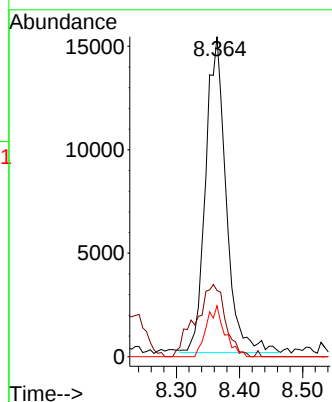
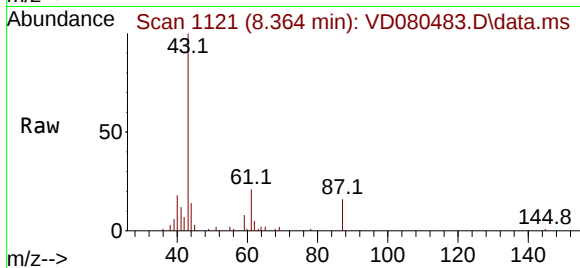
Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion: 43	Resp: 34463
Ion Ratio	Lower Upper
43	100
61	32.8 24.4 36.6
87	14.5 11.4 17.2



#44

Trichloroethene

Concen: 4.964 ug/l

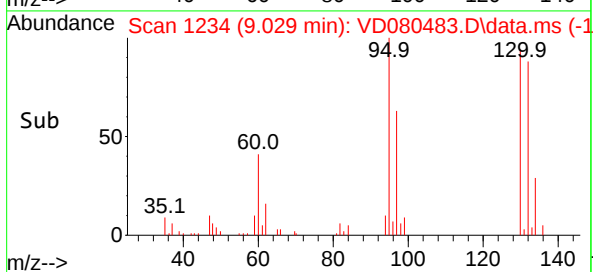
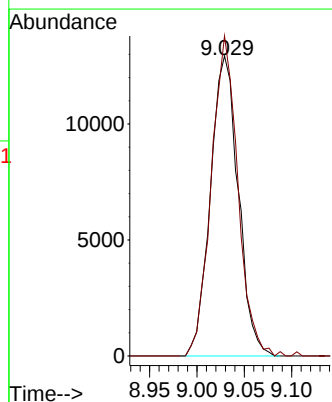
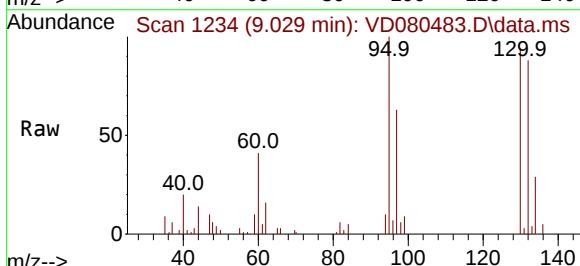
RT: 9.029 min Scan# 1234

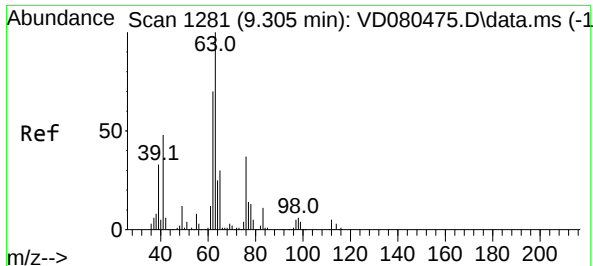
Delta R.T. 0.000 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

Tgt Ion: 130	Resp: 26389
Ion Ratio	Lower Upper
130	100
95	106.7 0.0 200.6





#45

1,2-Dichloropropane

Concen: 5.442 ug/l

RT: 9.305 min Scan# 1281

Delta R.T. 0.000 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

Instrument :

MSVOA_D

ClientSampleId :

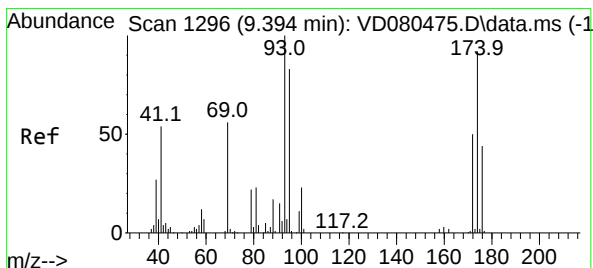
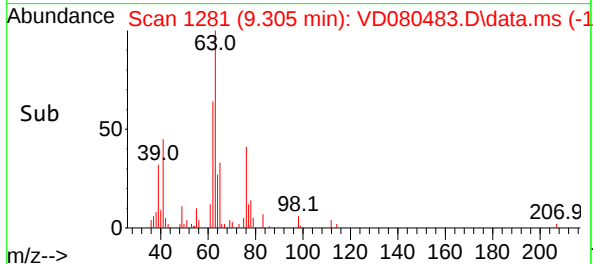
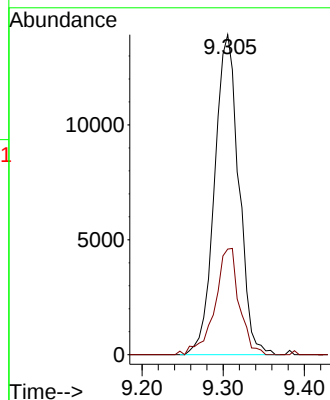
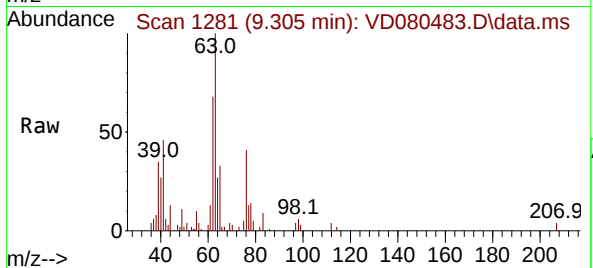
LOQ-SOIL-02-QT2-2025

Tgt Ion: 63 Resp: 28950

Ion Ratio Lower Upper

63 100

65 33.0 24.0 36.0



#46

Dibromomethane

Concen: 4.936 ug/l

RT: 9.394 min Scan# 1296

Delta R.T. 0.000 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

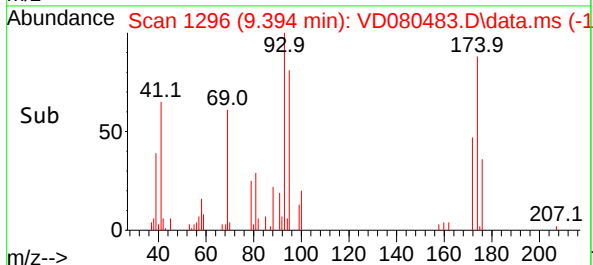
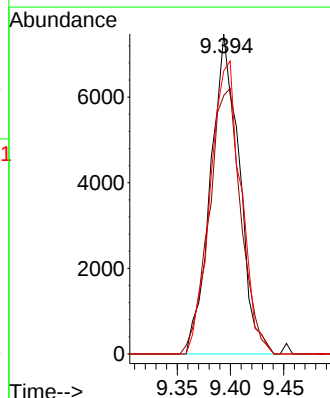
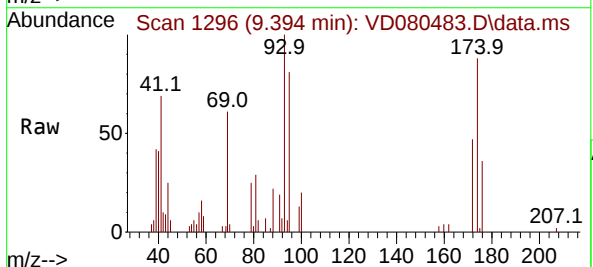
Tgt Ion: 93 Resp: 14001

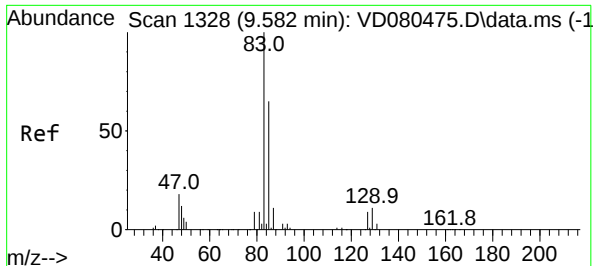
Ion Ratio Lower Upper

93 100

95 92.3 66.2 99.4

174 98.0 75.4 113.0

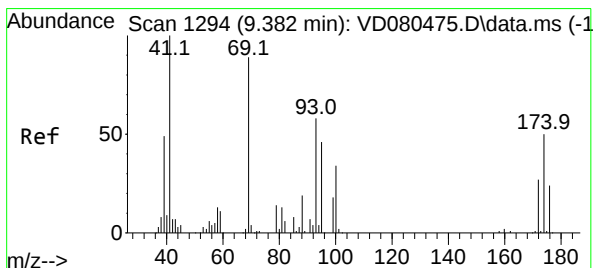
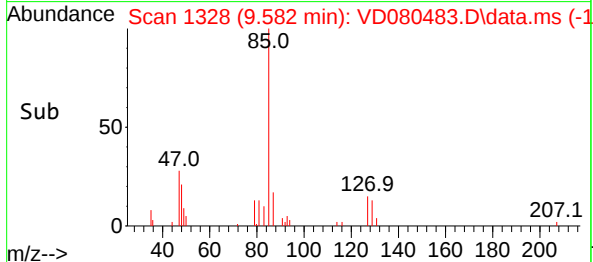
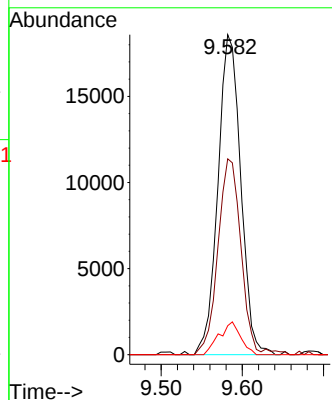
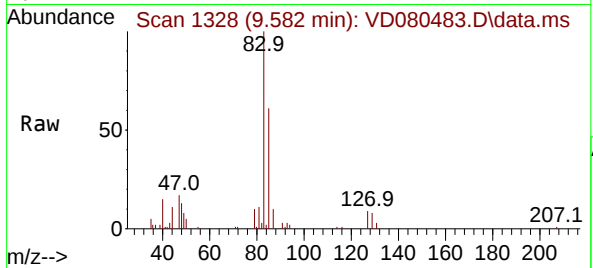




#47
Bromodichloromethane
Concen: 5.171 ug/l
RT: 9.582 min Scan# 1328
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

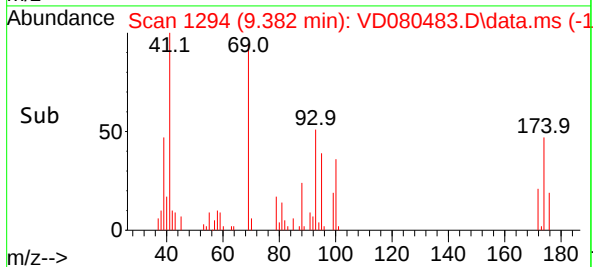
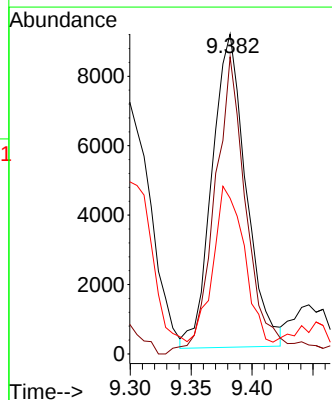
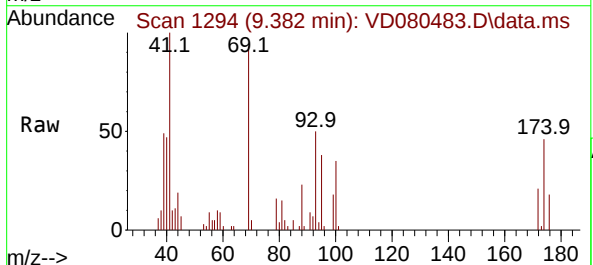
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

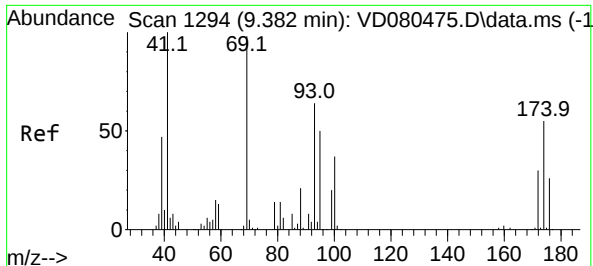
Tgt Ion: 83 Resp: 36366
Ion Ratio Lower Upper
83 100
85 61.2 52.2 78.2
127 9.0 6.9 10.3



#48
Methyl methacrylate
Concen: 5.304 ug/l
RT: 9.382 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion: 41 Resp: 17540
Ion Ratio Lower Upper
41 100
69 90.2 70.2 105.4
39 45.0 40.2 60.2





#49

1,4-Dioxane

Concen: 118.430 ug/l

RT: 9.382 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2025

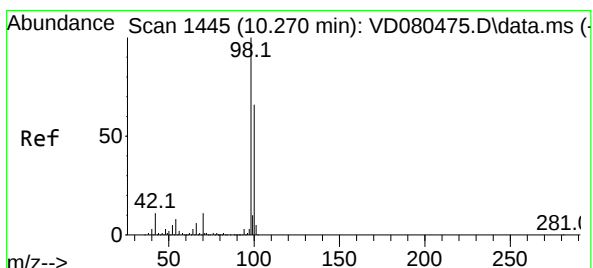
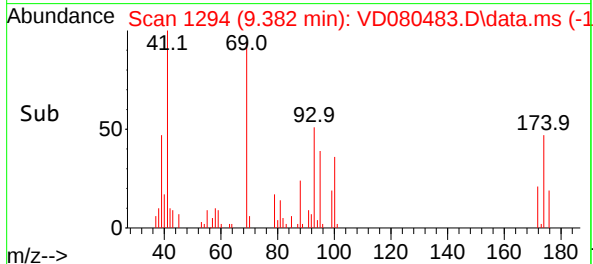
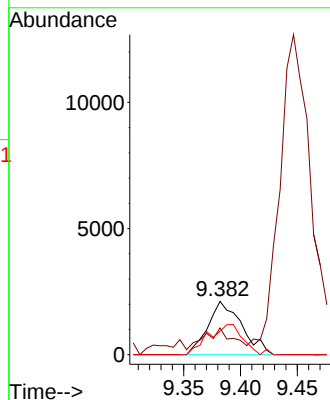
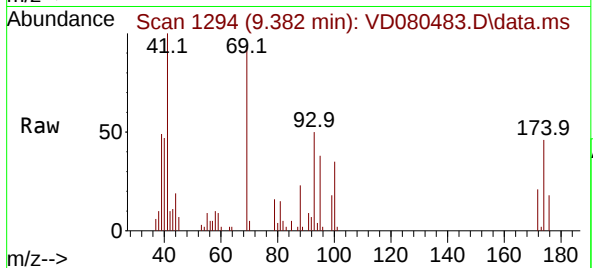
Tgt Ion: 88 Resp: 4358

Ion Ratio Lower Upper

88 100

43 32.6 26.7 40.1

58 58.4 56.4 84.6



#50

Toluene-d8

Concen: 54.408 ug/l

RT: 10.264 min Scan# 1444

Delta R.T. -0.006 min

Lab File: VD080483.D

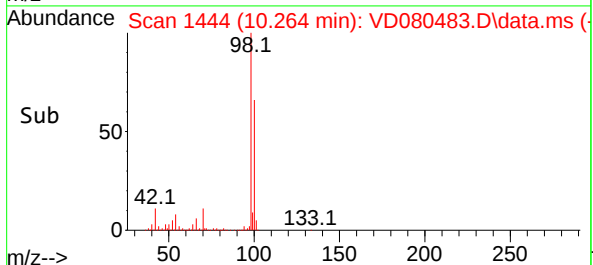
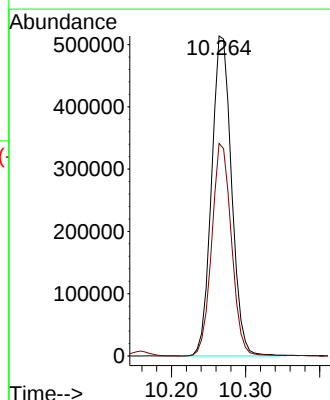
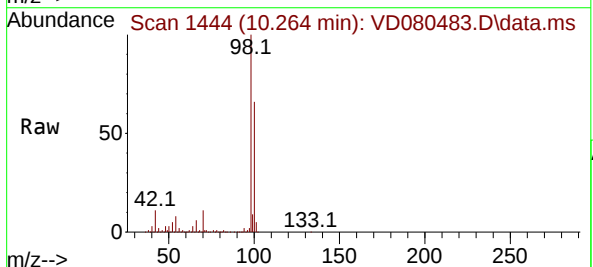
Acq: 26 Jun 2025 15:58

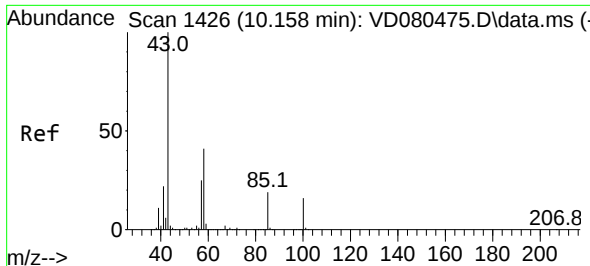
Tgt Ion: 98 Resp: 961894

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.4

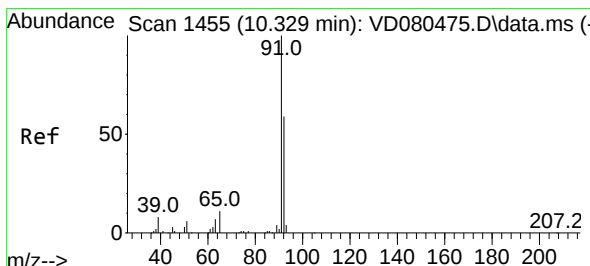
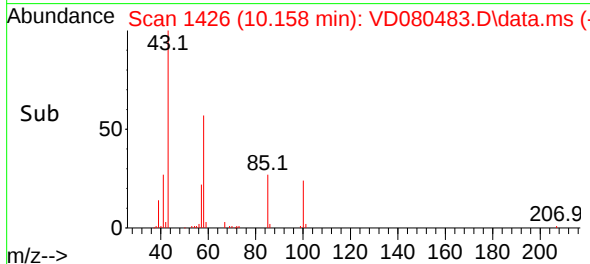
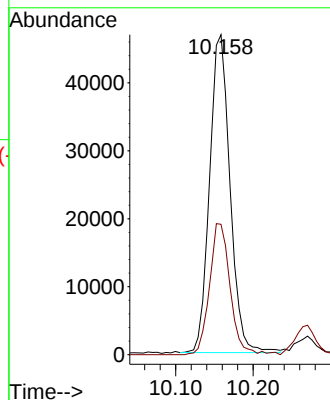
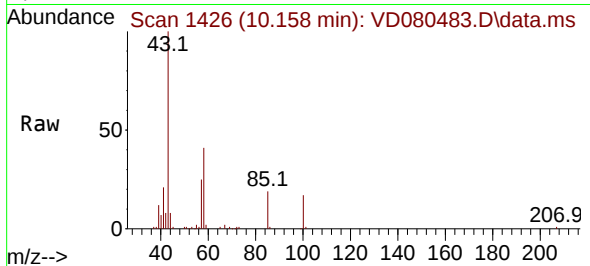




#51
4-Methyl-2-Pentanone
Concen: 25.848 ug/l
RT: 10.158 min Scan# 1426
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

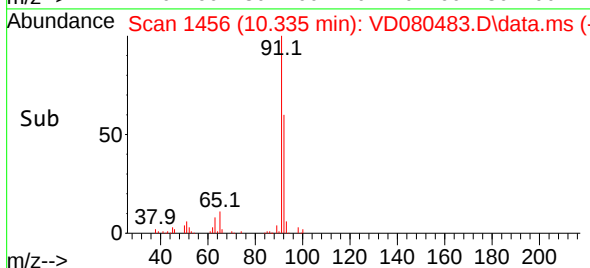
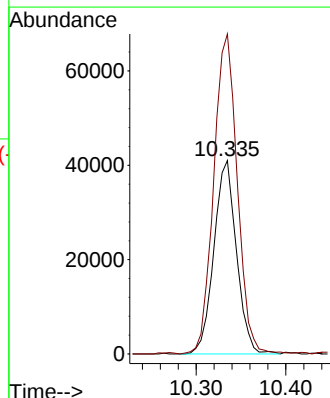
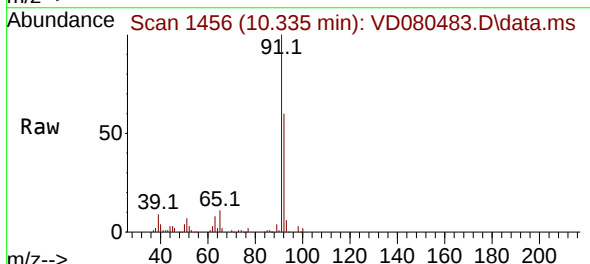
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

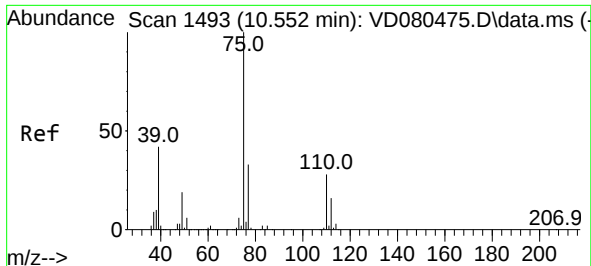
Tgt Ion: 43 Resp: 85810
Ion Ratio Lower Upper
43 100
58 41.6 33.3 49.9



#52
Toluene
Concen: 5.227 ug/l
RT: 10.335 min Scan# 1456
Delta R.T. 0.006 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion: 92 Resp: 71667
Ion Ratio Lower Upper
92 100
91 172.6 137.1 205.7

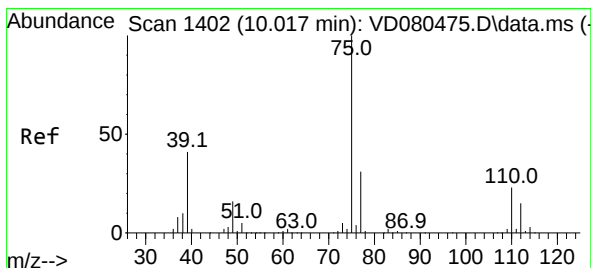
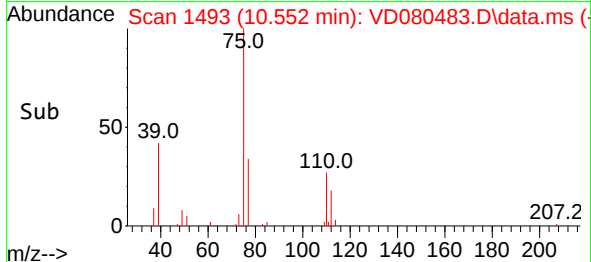
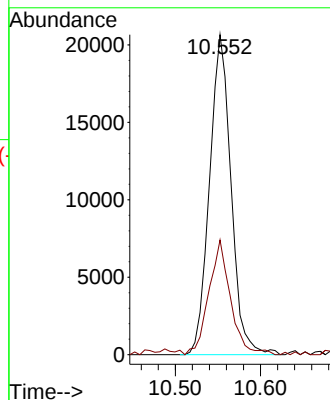
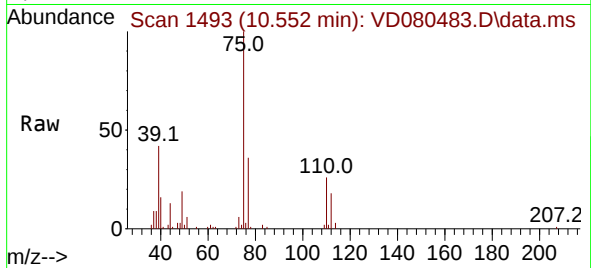




#53
t-1,3-Dichloropropene
Concen: 5.169 ug/l
RT: 10.552 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

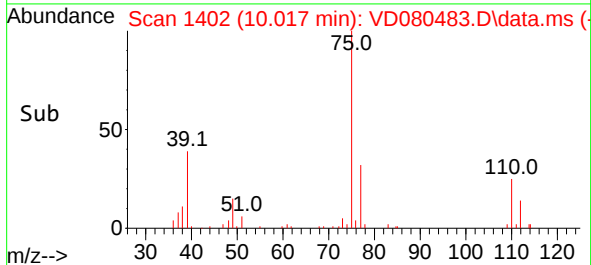
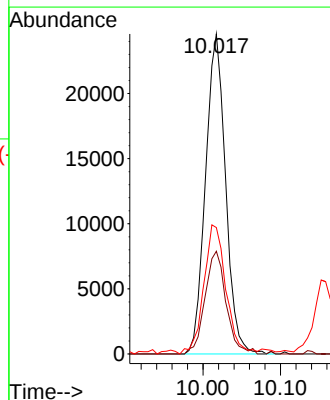
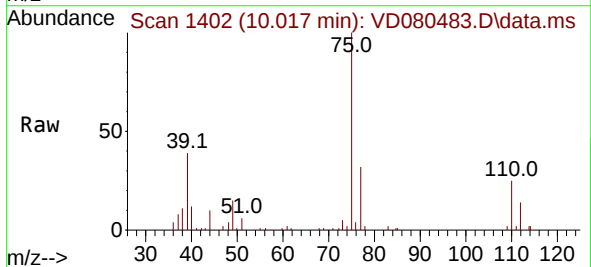
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

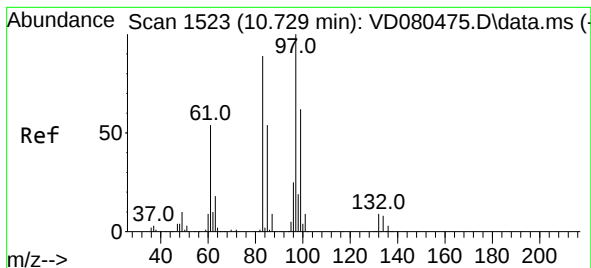
Tgt Ion: 75 Resp: 36406
Ion Ratio Lower Upper
75 100
77 35.8 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 5.231 ug/l
RT: 10.017 min Scan# 1402
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion: 75 Resp: 44263
Ion Ratio Lower Upper
75 100
77 32.1 24.9 37.3
39 39.5 32.5 48.7





#55

1,1,2-Trichloroethane

Concen: 5.184 ug/l

RT: 10.735 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion: 97 Resp: 20046

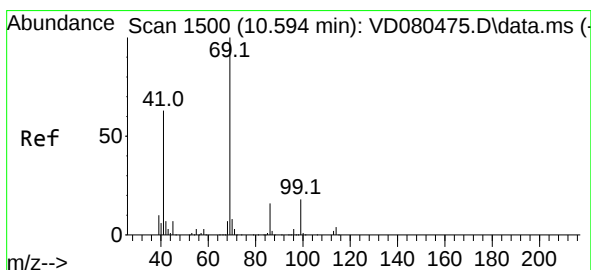
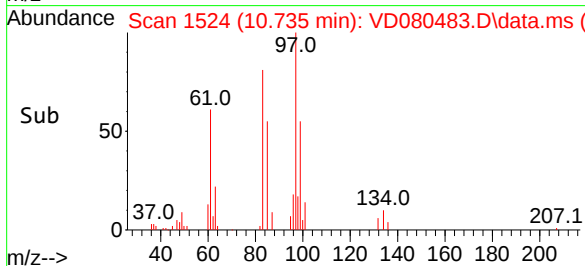
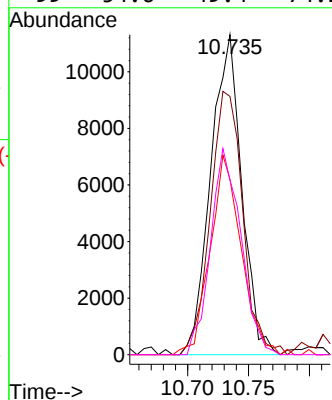
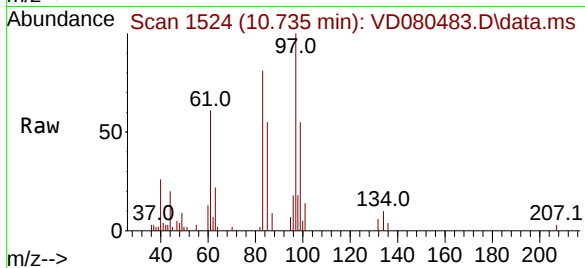
Ion Ratio Lower Upper

97 100

83 80.7 71.4 107.2

85 54.8 43.4 65.2

99 54.6 49.4 74.2



#56

Ethyl methacrylate

Concen: 5.308 ug/l

RT: 10.600 min Scan# 1501

Delta R.T. 0.006 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

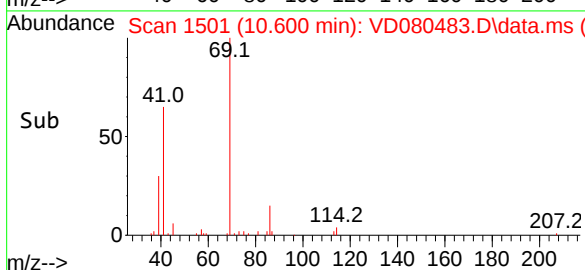
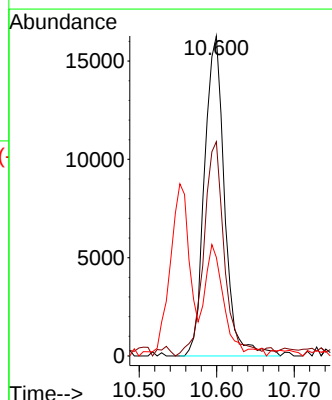
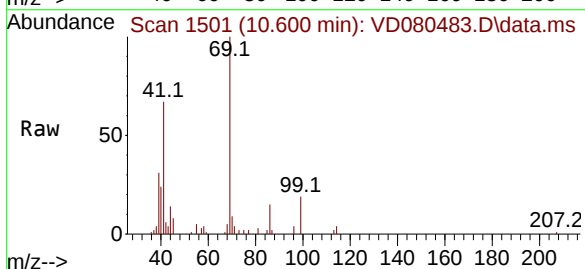
Tgt Ion: 69 Resp: 29298

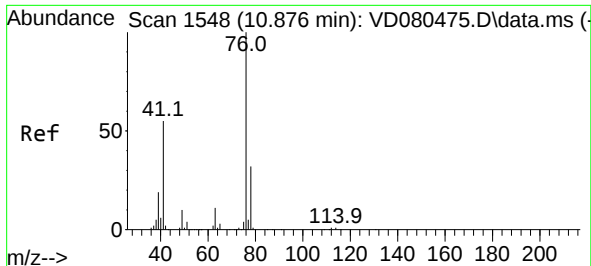
Ion Ratio Lower Upper

69 100

41 68.8 50.7 76.1

39 32.0 23.4 35.2

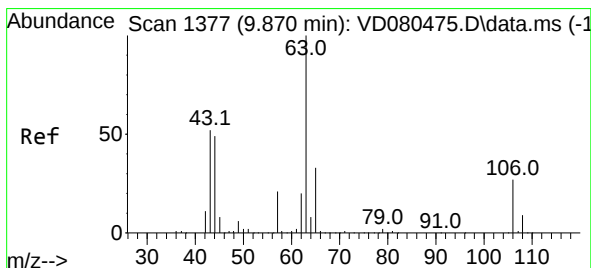
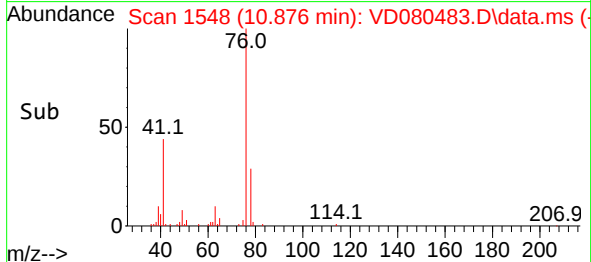
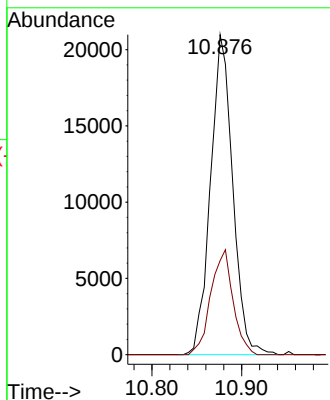
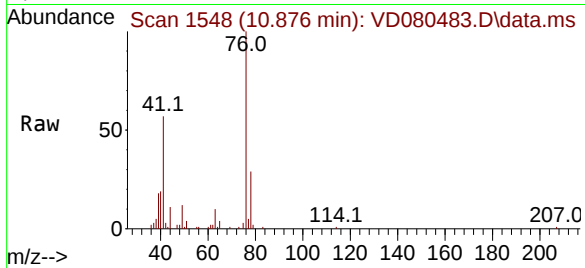




#57
1,3-Dichloropropane
Concen: 5.333 ug/l
RT: 10.876 min Scan# 1548
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

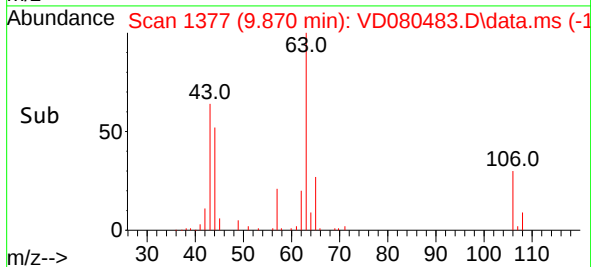
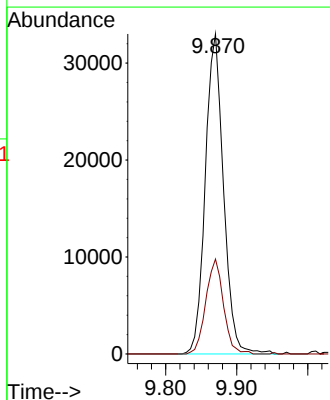
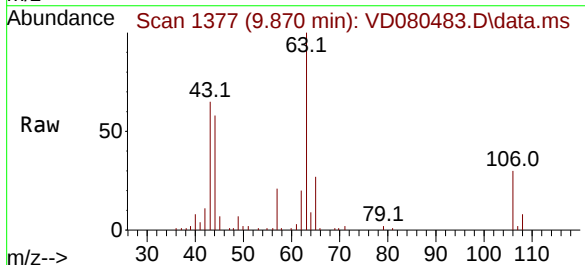
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT2-2025

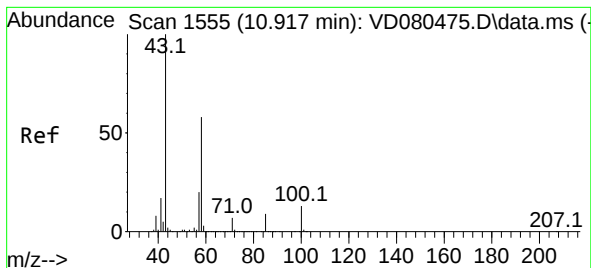
Tgt Ion: 76 Resp: 36079
Ion Ratio Lower Upper
76 100
78 32.8 25.7 38.5



#58
2-Chloroethyl Vinyl ether
Concen: 27.880 ug/l
RT: 9.870 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion: 63 Resp: 58770
Ion Ratio Lower Upper
63 100
106 28.8 21.7 32.5





#59

2-Hexanone

Concen: 26.513 ug/l

RT: 10.917 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

Instrument :

MSVOA_D

ClientSampleId :

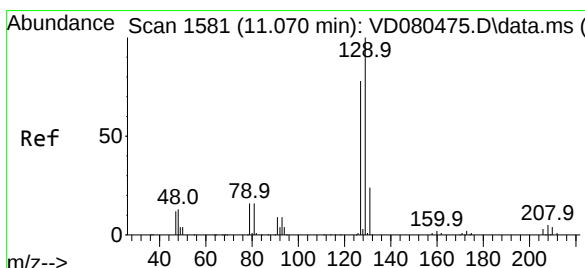
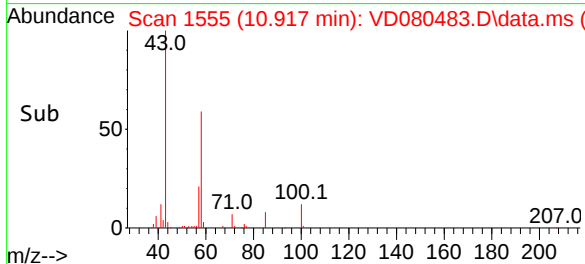
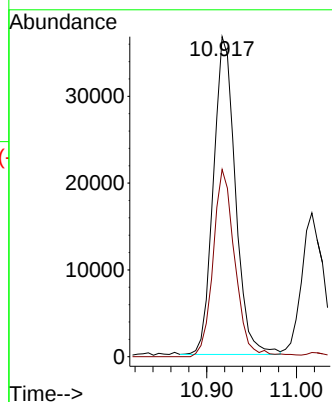
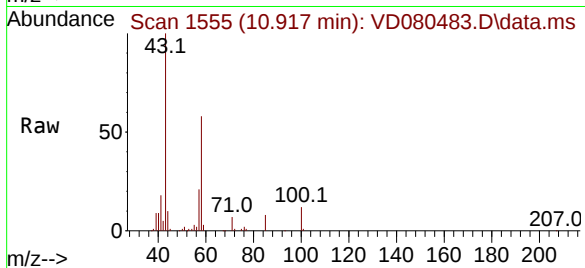
LOQ-SOIL-02-QT2-2025

Tgt Ion: 43 Resp: 62296

Ion Ratio Lower Upper

43 100

58 58.6 29.0 87.1



#60

Dibromochloromethane

Concen: 5.077 ug/l

RT: 11.070 min Scan# 1581

Delta R.T. 0.000 min

Lab File: VD080483.D

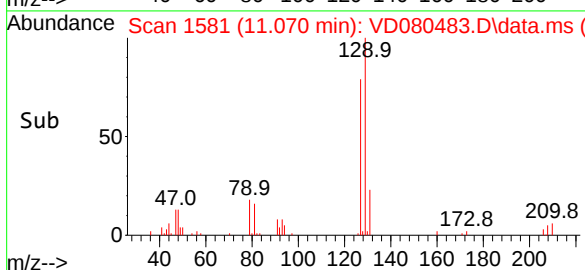
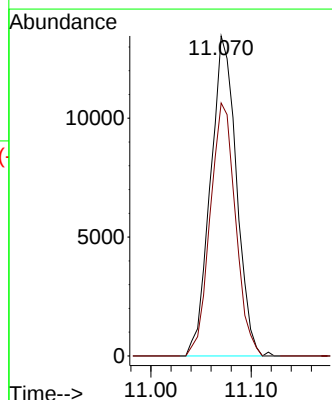
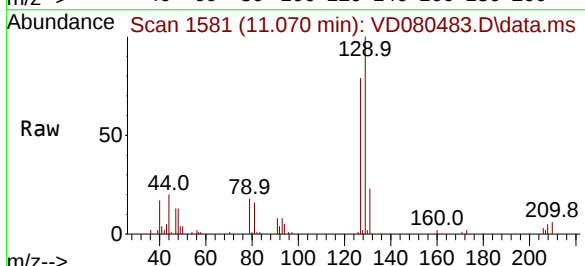
Acq: 26 Jun 2025 15:58

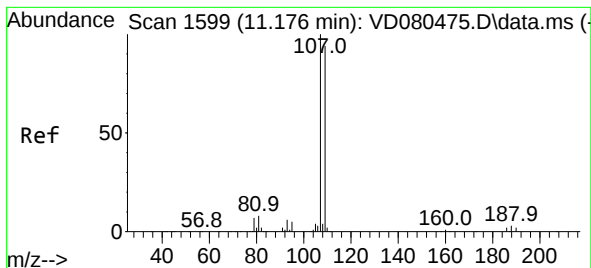
Tgt Ion: 129 Resp: 24229

Ion Ratio Lower Upper

129 100

127 77.0 38.4 115.2





#61

1,2-Dibromoethane

Concen: 5.127 ug/l

RT: 11.176 min Scan# 1599

Delta R.T. 0.000 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

Instrument :

MSVOA_D

ClientSampleId :

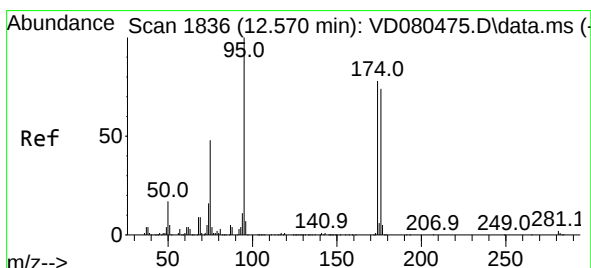
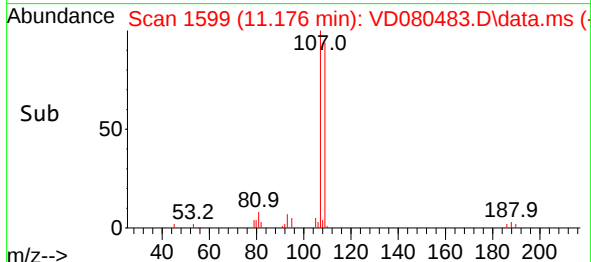
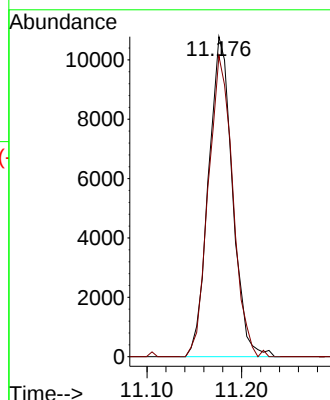
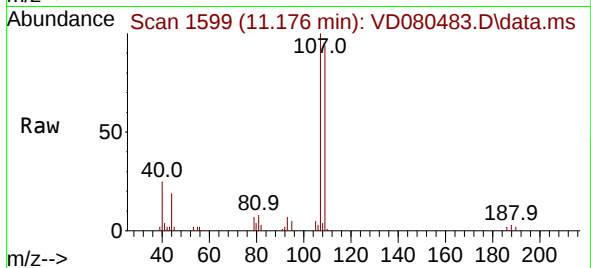
LOQ-SOIL-02-QT2-2025

Tgt Ion:107 Resp: 18957

Ion Ratio Lower Upper

107 100

109 95.8 75.4 113.0



#62

4-Bromofluorobenzene

Concen: 53.930 ug/l

RT: 12.570 min Scan# 1836

Delta R.T. 0.000 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

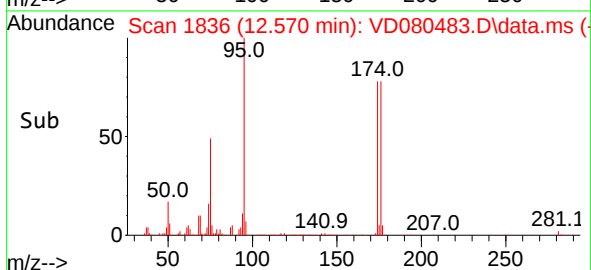
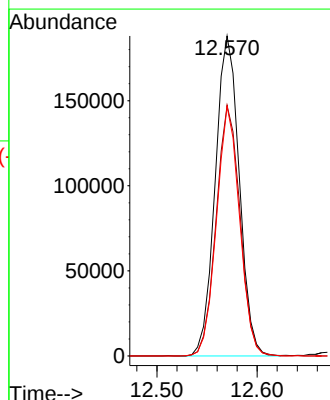
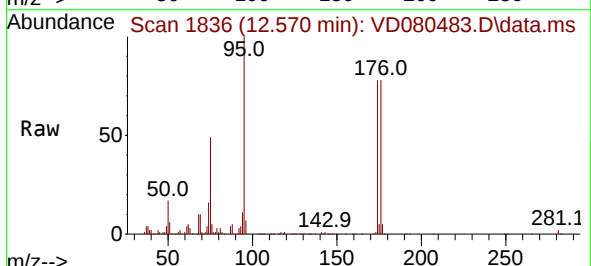
Tgt Ion: 95 Resp: 312622

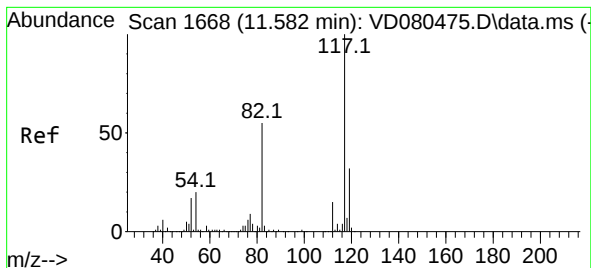
Ion Ratio Lower Upper

95 100

174 77.6 0.0 154.0

176 74.9 0.0 149.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.576 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2025

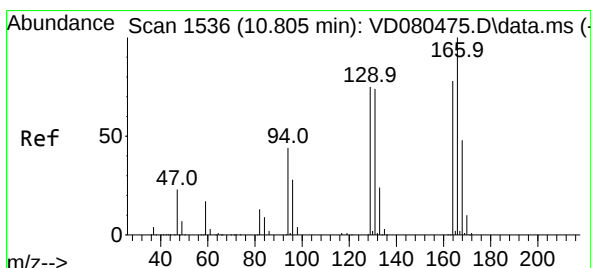
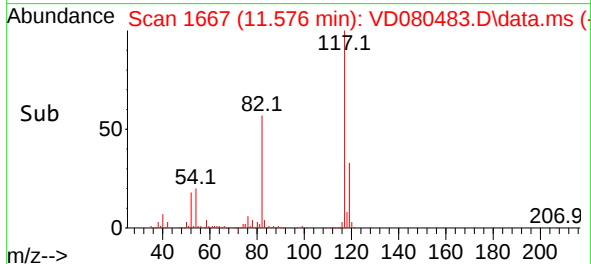
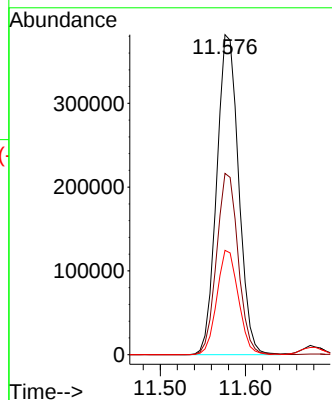
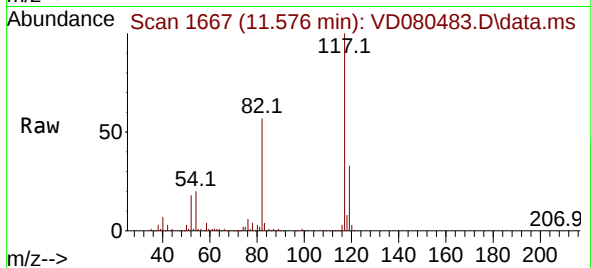
Tgt Ion:117 Resp: 682949

Ion Ratio Lower Upper

117 100

82 56.6 43.7 65.5

119 32.6 25.8 38.6



#64

Tetrachloroethene

Concen: 5.051 ug/l

RT: 10.811 min Scan# 1537

Delta R.T. 0.006 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

Tgt Ion:164 Resp: 21410

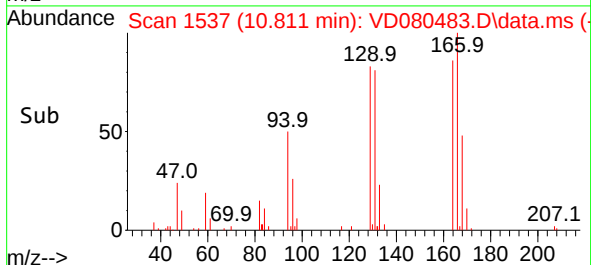
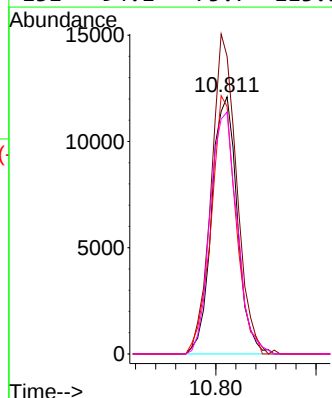
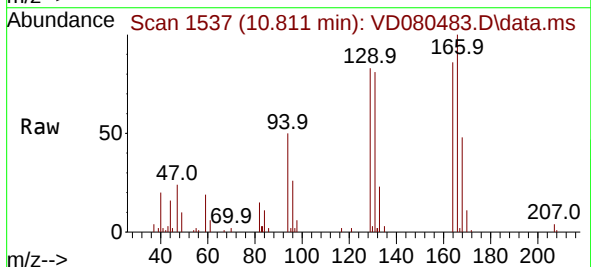
Ion Ratio Lower Upper

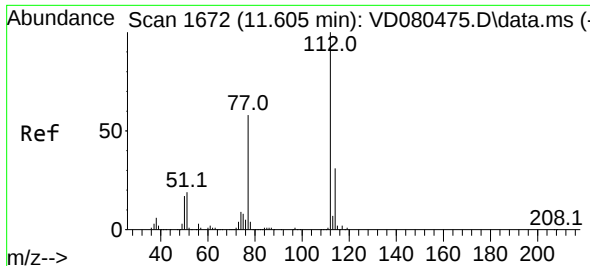
164 100

166 115.8 102.6 153.8

129 96.3 76.6 115.0

131 94.1 75.7 113.5

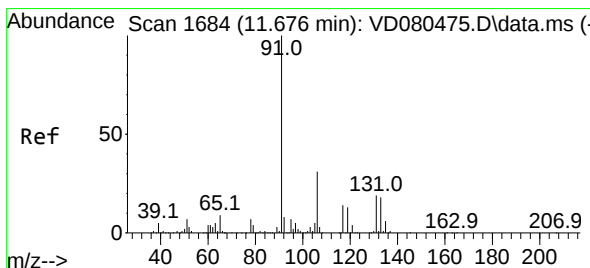
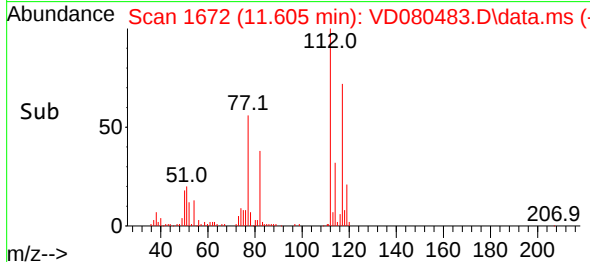
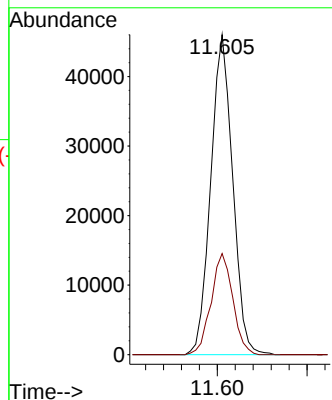
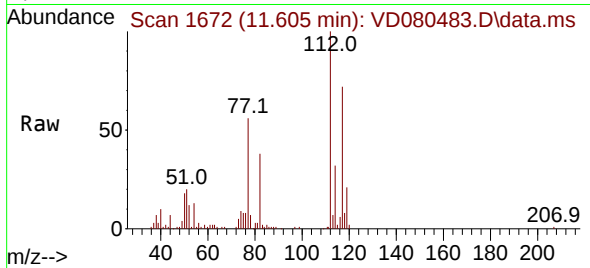




#65
Chlorobenzene
Concen: 5.301 ug/l
RT: 11.605 min Scan# 1672
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

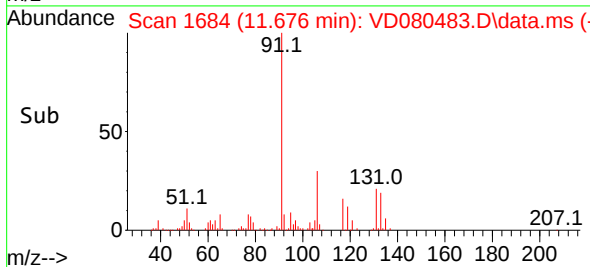
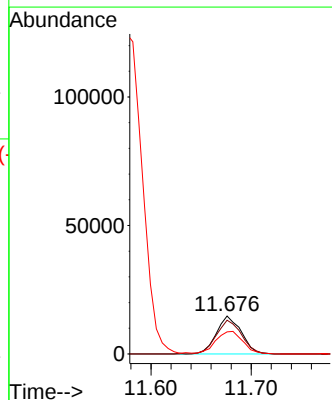
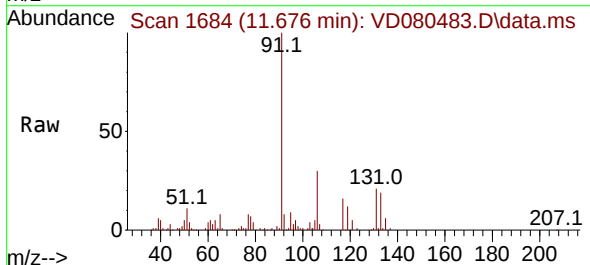
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

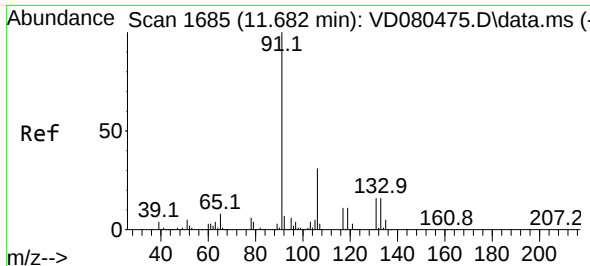
Tgt Ion:112 Resp: 78076
Ion Ratio Lower Upper
112 100
114 31.6 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 5.485 ug/l
RT: 11.676 min Scan# 1684
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion:131 Resp: 25391
Ion Ratio Lower Upper
131 100
133 90.8 47.3 141.8
119 65.5 34.9 104.7

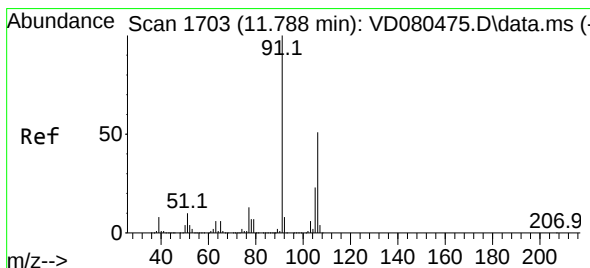
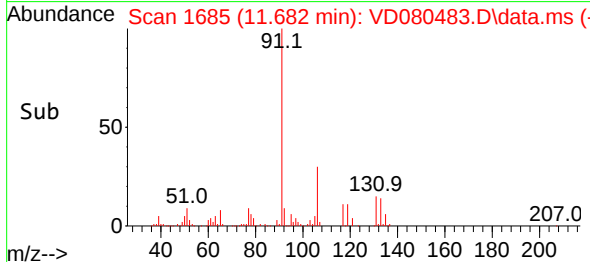
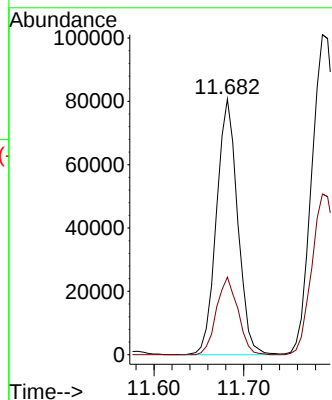
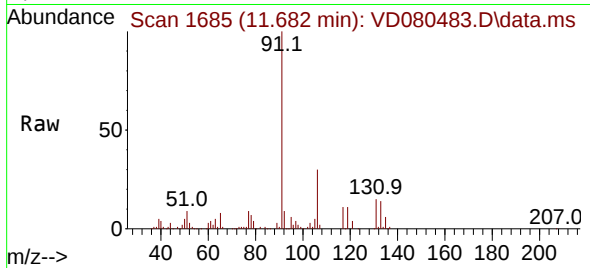




#67
Ethyl Benzene
Concen: 5.136 ug/l
RT: 11.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

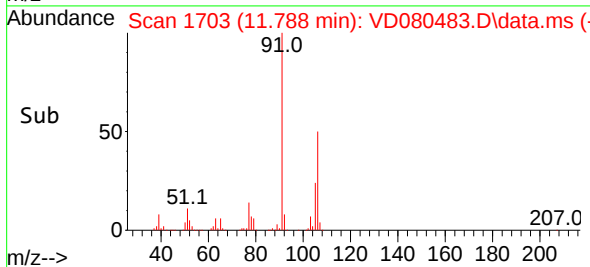
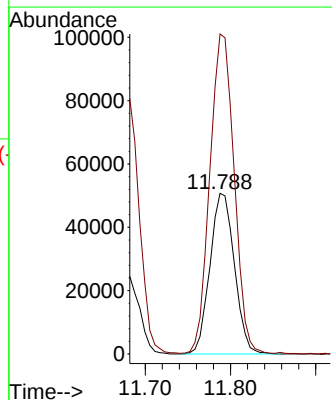
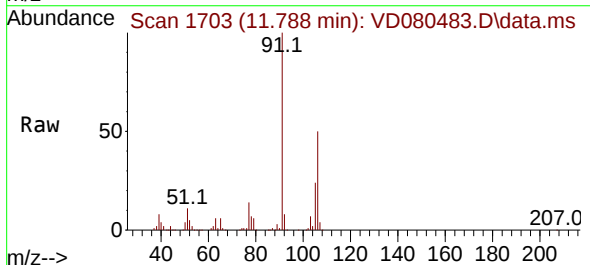
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

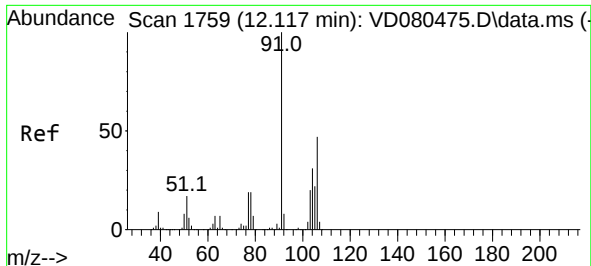
Tgt Ion: 91 Resp: 132317
Ion Ratio Lower Upper
91 100
106 30.3 25.0 37.4



#68
m/p-Xylenes
Concen: 10.289 ug/l
RT: 11.788 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion:106 Resp: 100934
Ion Ratio Lower Upper
106 100
91 197.8 159.9 239.9

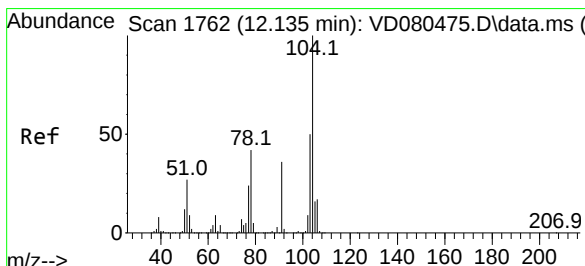
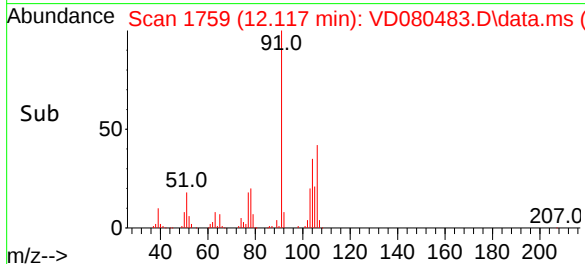
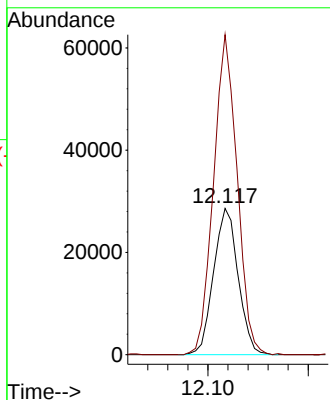
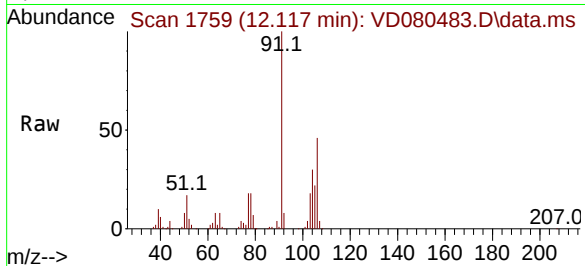




#69
o-Xylene
Concen: 5.122 ug/l
RT: 12.117 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

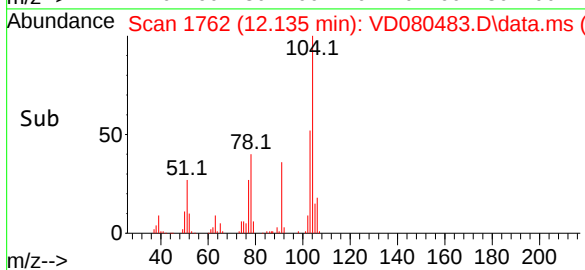
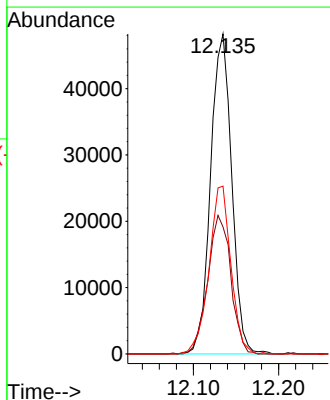
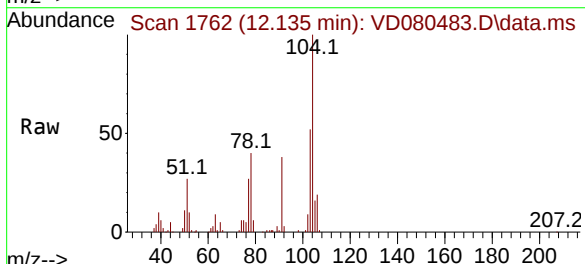
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

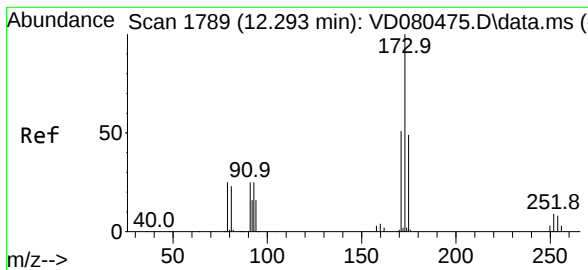
Tgt Ion:106 Resp: 48487
Ion Ratio Lower Upper
106 100
91 210.3 106.5 319.6



#70
Styrene
Concen: 5.186 ug/l
RT: 12.135 min Scan# 1762
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion:104 Resp: 83042
Ion Ratio Lower Upper
104 100
78 47.5 38.5 57.7
103 54.3 44.1 66.1





#71

Bromoform

Concen: 5.340 ug/l

RT: 12.299 min Scan# 1789

Delta R.T. 0.006 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2025

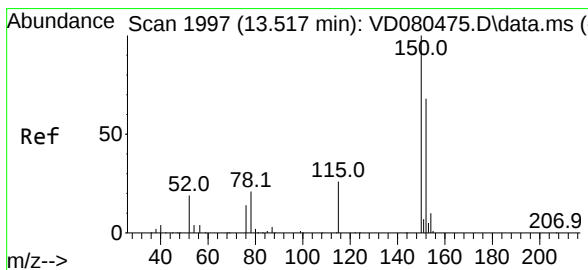
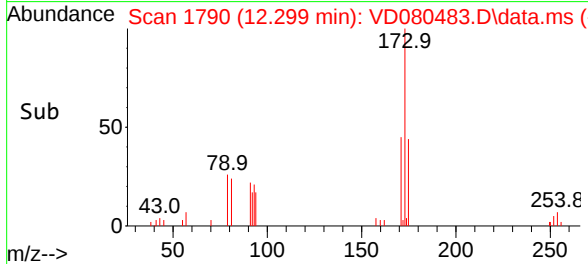
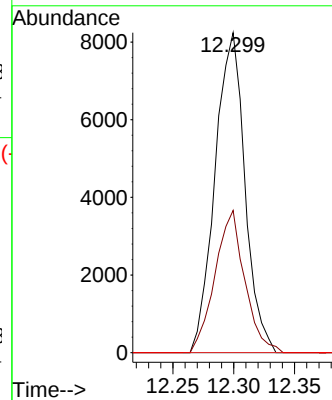
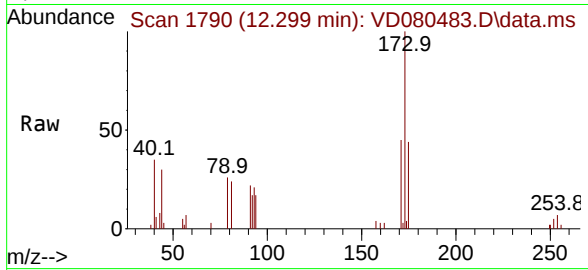
Tgt Ion:173 Resp: 14078

Ion Ratio Lower Upper

173 100

175 44.4 24.1 72.4

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.517 min Scan# 1997

Delta R.T. 0.000 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

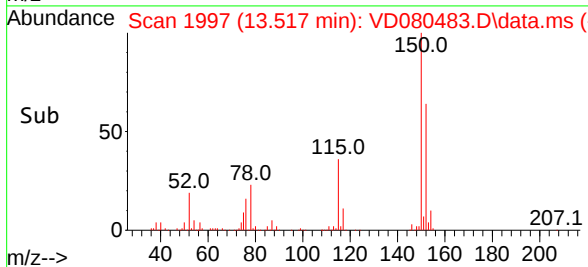
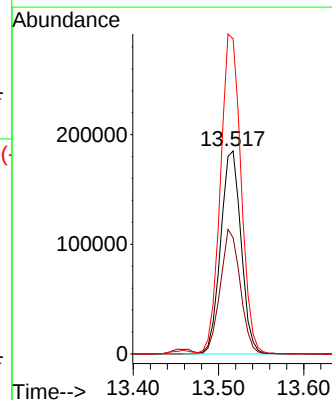
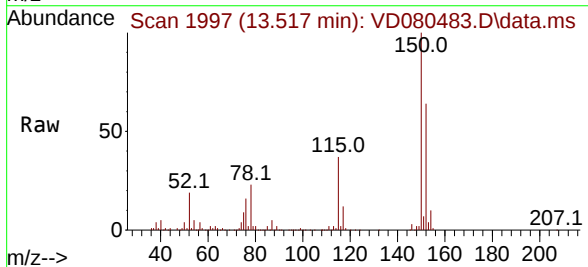
Tgt Ion:152 Resp: 308244

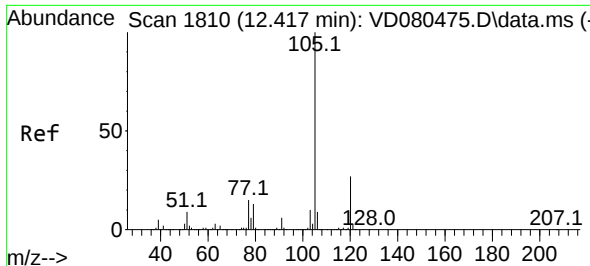
Ion Ratio Lower Upper

152 100

115 60.0 30.2 90.6

150 159.0 0.0 350.2

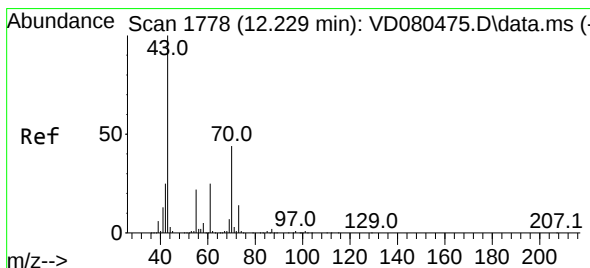
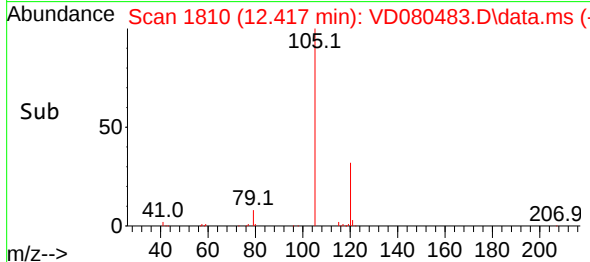
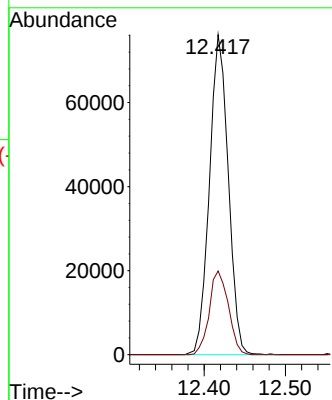
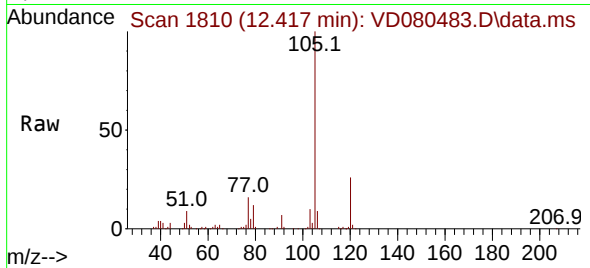




#73
Isopropylbenzene
Concen: 5.115 ug/l
RT: 12.417 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

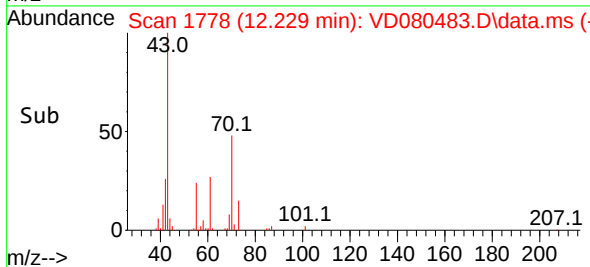
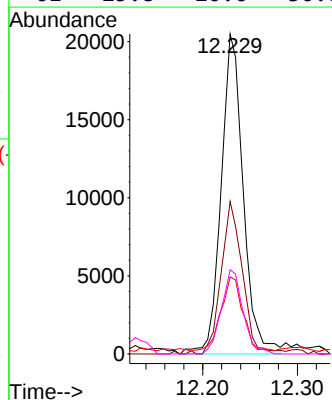
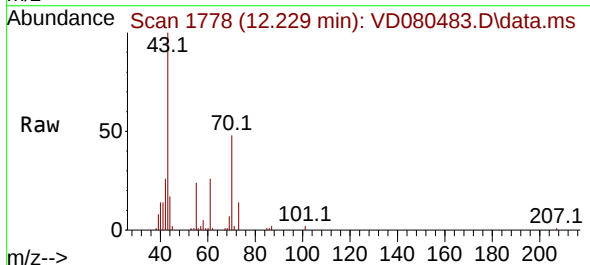
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

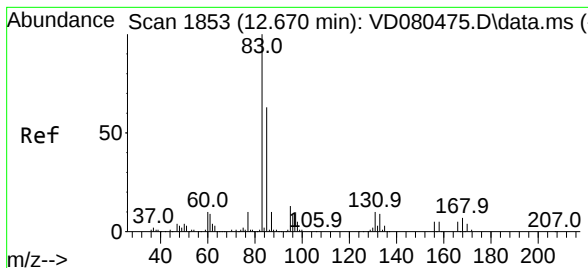
Tgt Ion:105 Resp: 122571
Ion Ratio Lower Upper
105 100
120 26.5 13.3 39.9



#74
N-ethyl acetate
Concen: 5.293 ug/l
RT: 12.229 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion: 43 Resp: 33208
Ion Ratio Lower Upper
43 100
70 45.9 35.4 53.2
55 24.1 18.8 28.2
61 25.8 20.6 30.8

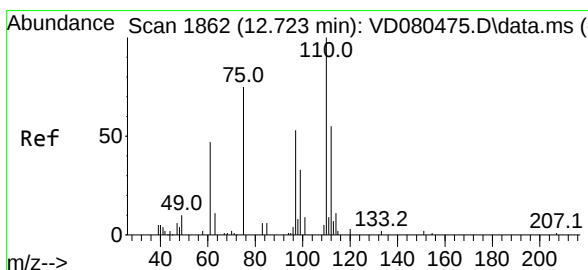
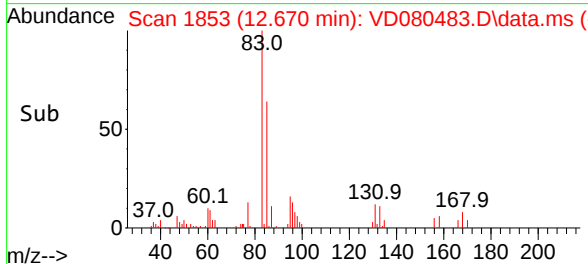
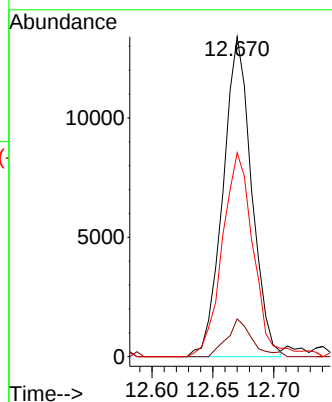
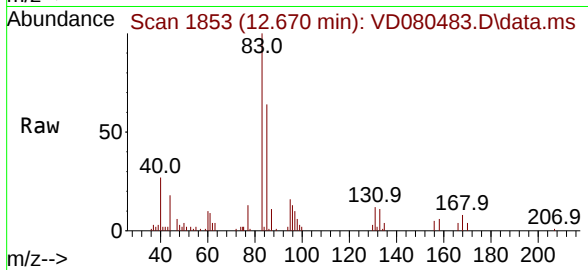




#75
1,1,2-Tetrachloroethane
Concen: 4.908 ug/l
RT: 12.670 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

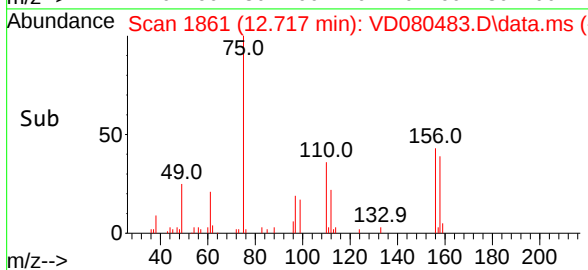
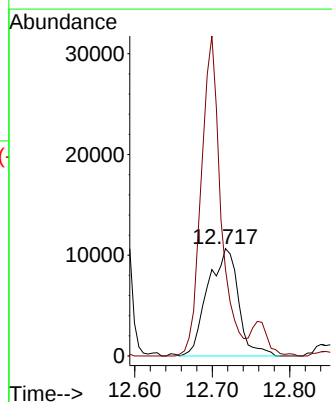
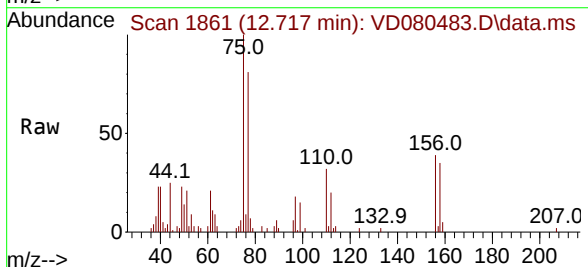
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

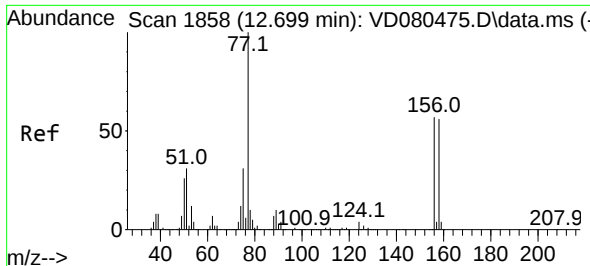
Tgt Ion: 83 Resp: 21897
Ion Ratio Lower Upper
83 100
131 10.3 4.8 14.3
85 70.2 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 11.166 ug/l
RT: 12.717 min Scan# 1861
Delta R.T. -0.006 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion: 75 Resp: 29258
Ion Ratio Lower Upper
75 100
77 191.6 0.0 0.0#

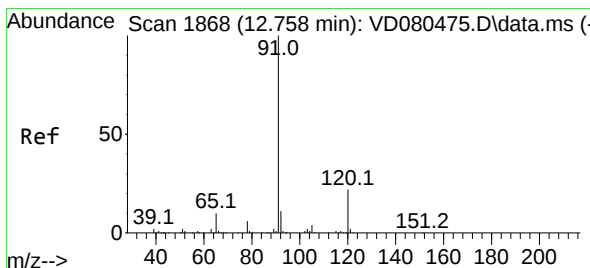
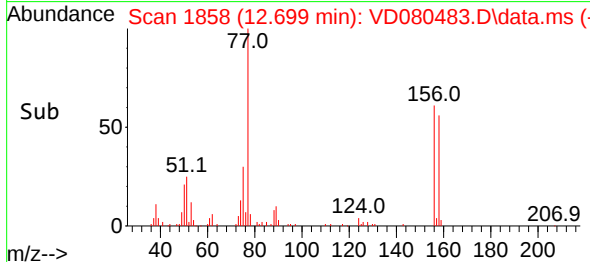
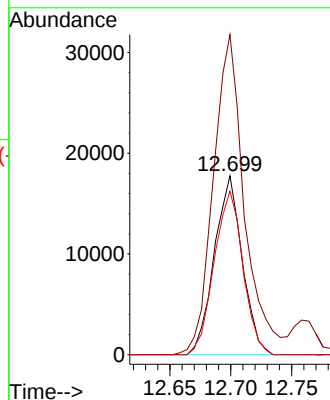
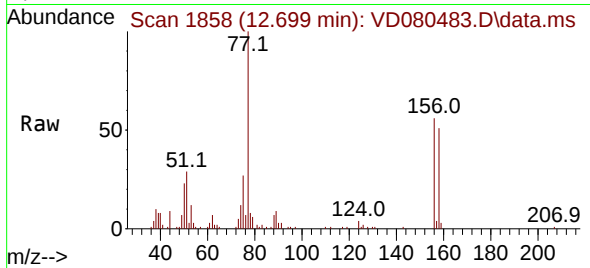




#77
Bromobenzene
Concen: 5.280 ug/l
RT: 12.699 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

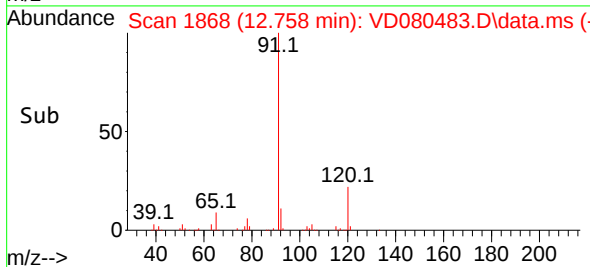
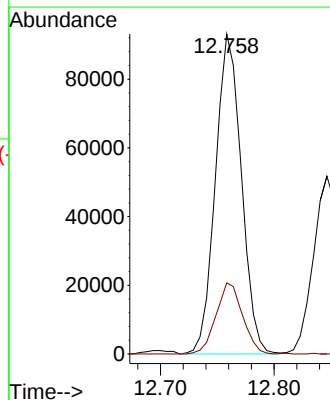
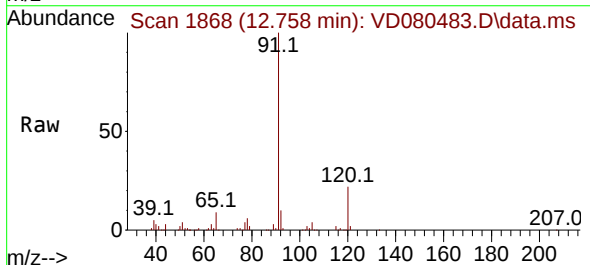
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

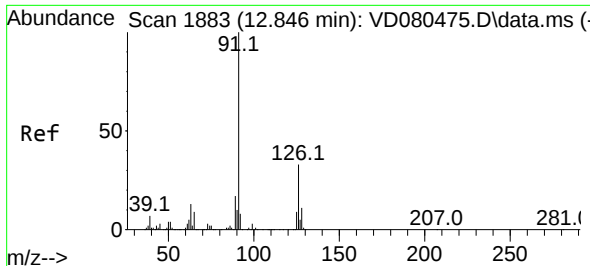
Tgt Ion:156 Resp: 28294
Ion Ratio Lower Upper
156 100
77 198.1 97.3 291.8
158 94.1 48.5 145.6



#78
n-propylbenzene
Concen: 5.132 ug/l
RT: 12.758 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion: 91 Resp: 148022
Ion Ratio Lower Upper
91 100
120 22.6 11.3 33.9

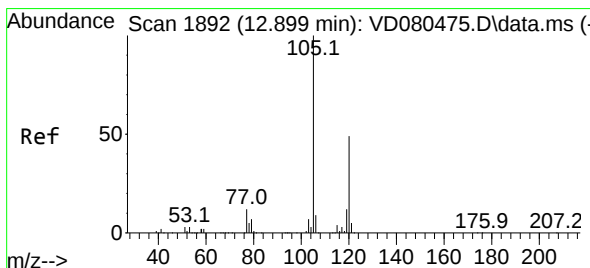
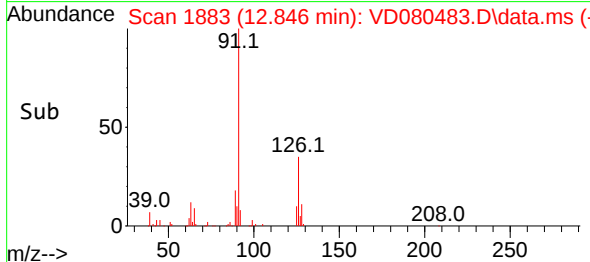
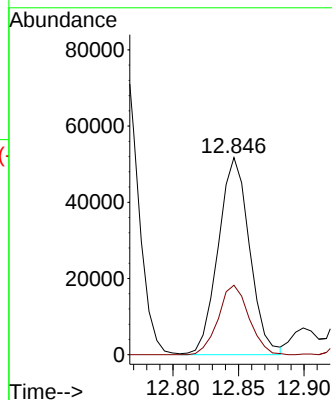
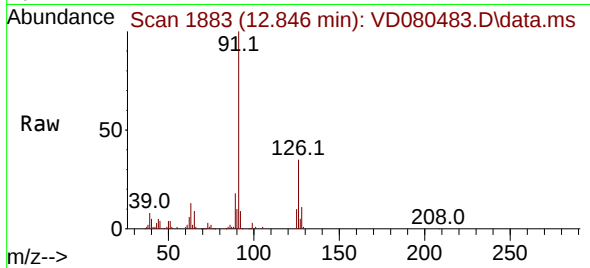




#79
2-Chlorotoluene
Concen: 5.191 ug/l
RT: 12.846 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

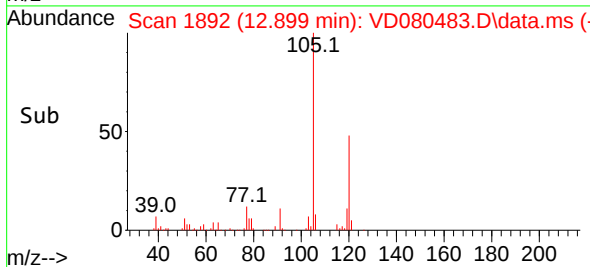
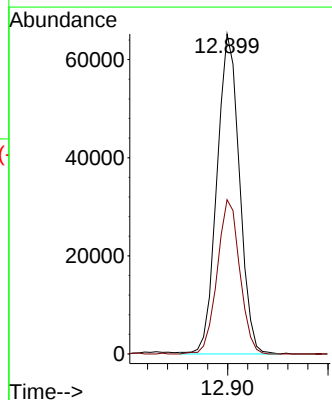
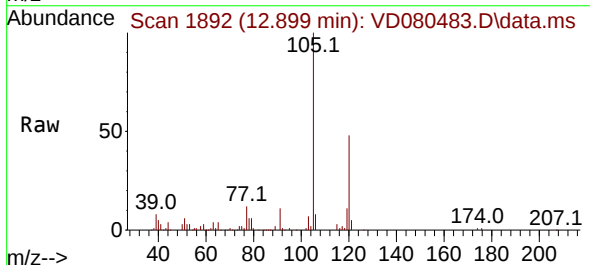
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

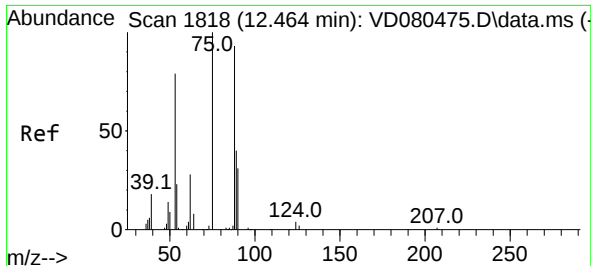
Tgt Ion: 91 Resp: 86118
Ion Ratio Lower Upper
91 100
126 34.4 16.6 49.8



#80
1,3,5-Trimethylbenzene
Concen: 5.232 ug/l
RT: 12.899 min Scan# 1892
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion: 105 Resp: 101657
Ion Ratio Lower Upper
105 100
120 48.1 24.5 73.5

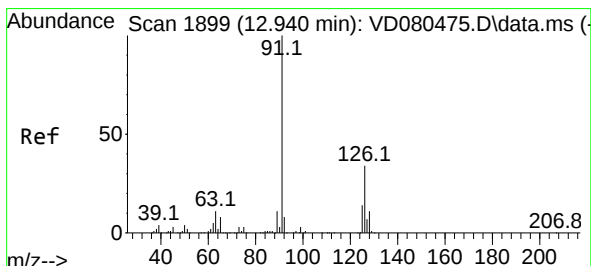
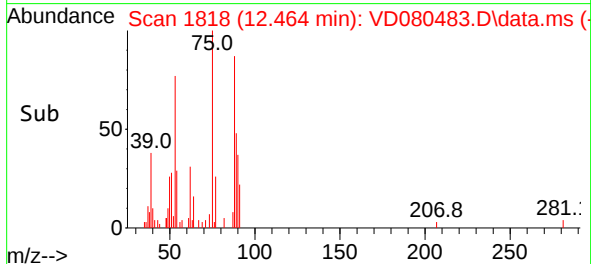
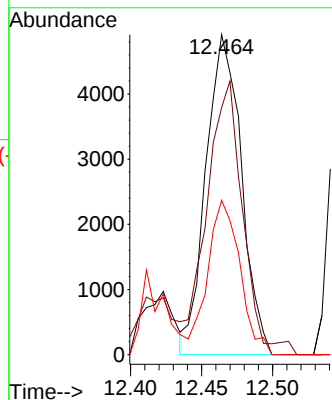
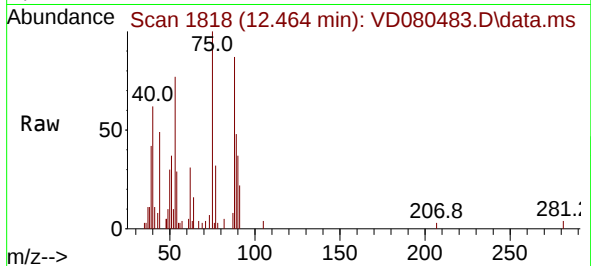




#81
trans-1,4-Dichloro-2-butene
Concen: 4.825 ug/l
RT: 12.464 min Scan# 1818
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

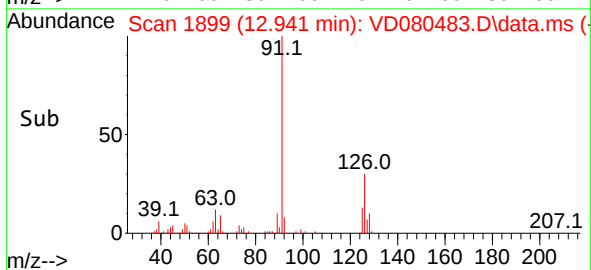
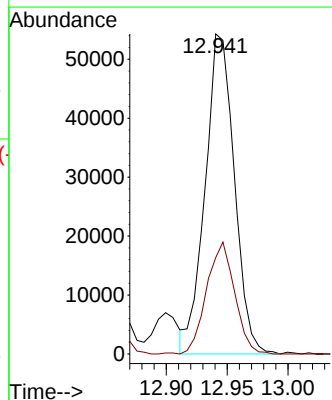
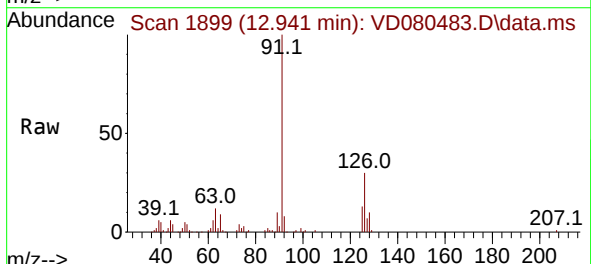
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

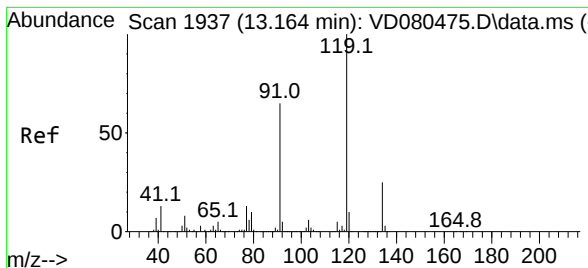
Tgt Ion:	75	Resp:	8508
Ion	Ratio	Lower	Upper
75	100		
53	86.7	61.5	92.3
89	43.8	33.0	49.6



#82
4-Chlorotoluene
Concen: 5.319 ug/l
RT: 12.941 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion:	91	Resp:	90637
Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.0	50.9





#83

tert-Butylbenzene

Concen: 5.054 ug/l

RT: 13.164 min Scan# 1937

Delta R.T. 0.000 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

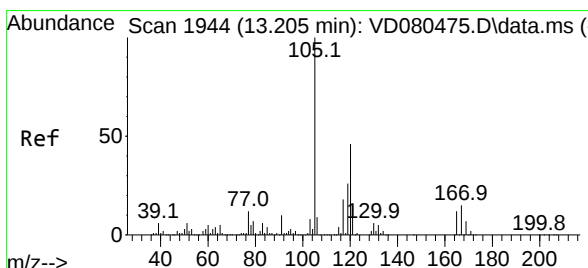
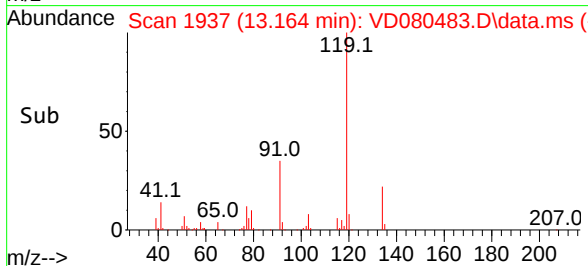
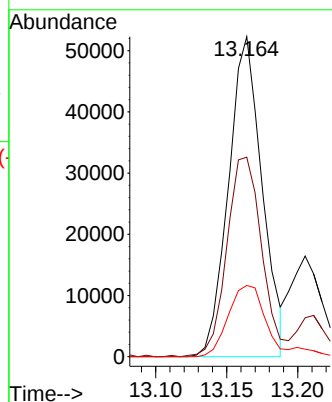
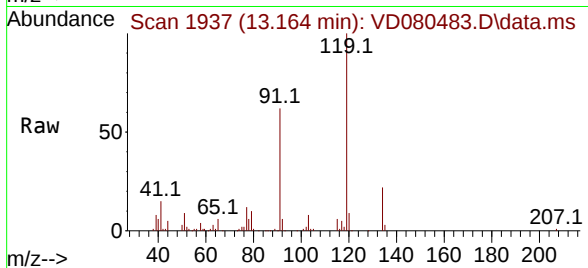
Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion:	119	Resp:	85892
Ion	Ratio	Lower	Upper
119	100		
91	65.3	32.4	97.2
134	24.3	13.1	39.3



#84

1,2,4-Trimethylbenzene

Concen: 5.142 ug/l

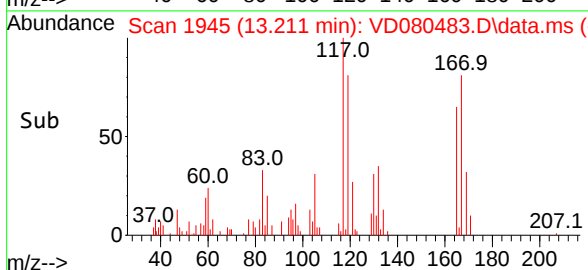
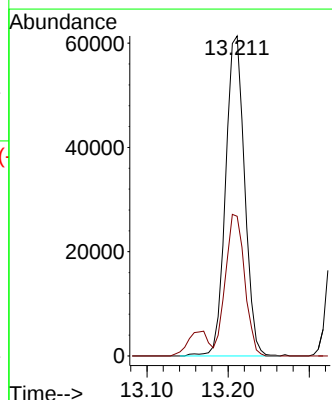
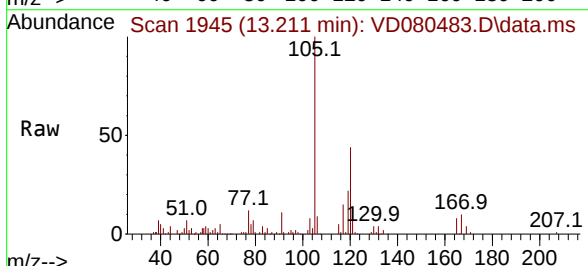
RT: 13.211 min Scan# 1945

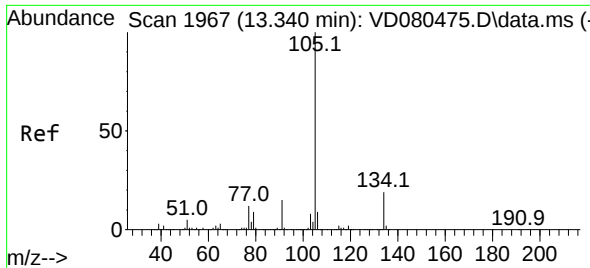
Delta R.T. 0.006 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

Tgt Ion:	105	Resp:	99750
Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.8	68.3

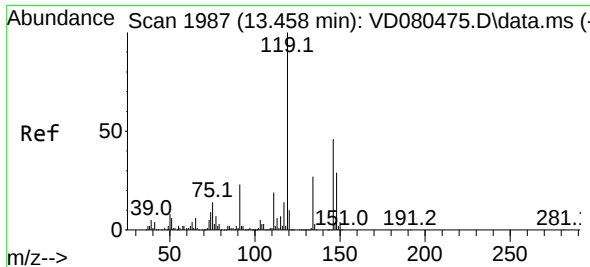
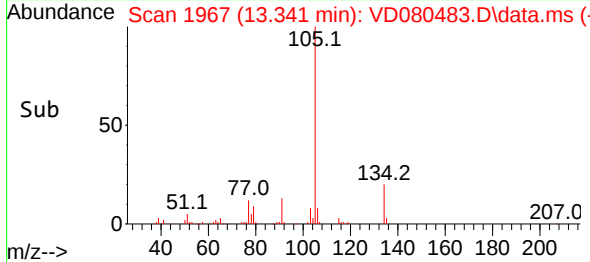
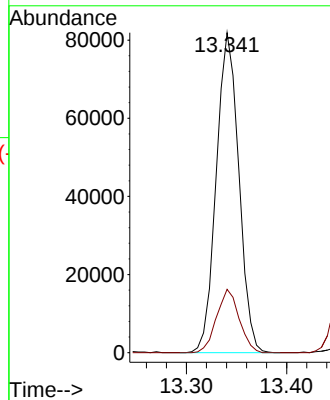
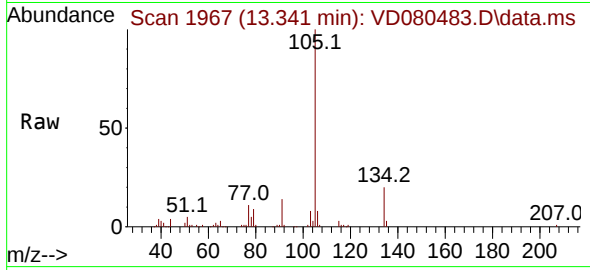




#85
 sec-Butylbenzene
 Concen: 5.090 ug/l
 RT: 13.341 min Scan# 1967
 Delta R.T. 0.000 min
 Lab File: VD080483.D
 Acq: 26 Jun 2025 15:58

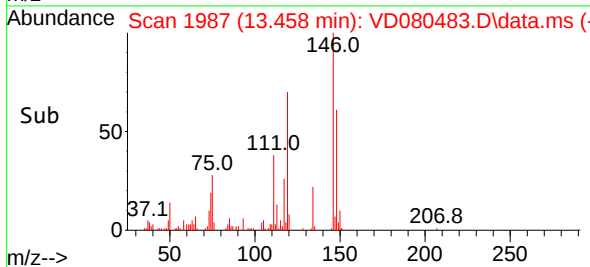
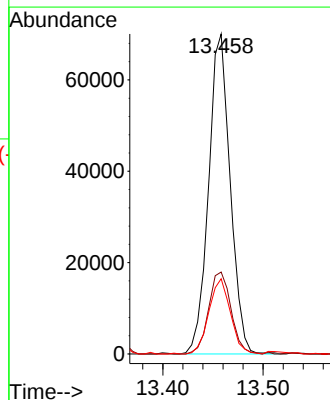
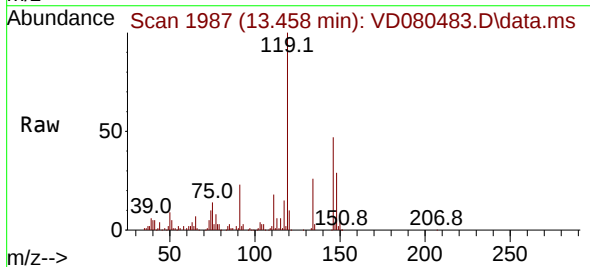
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

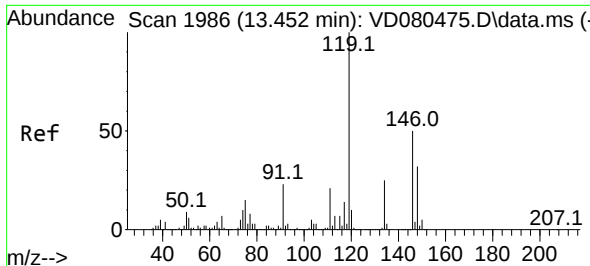
Tgt Ion:105 Resp: 127777
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 5.063 ug/l
 RT: 13.458 min Scan# 1987
 Delta R.T. 0.000 min
 Lab File: VD080483.D
 Acq: 26 Jun 2025 15:58

Tgt Ion:119 Resp: 105183
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.0 38.9
 91 23.4 11.5 34.5

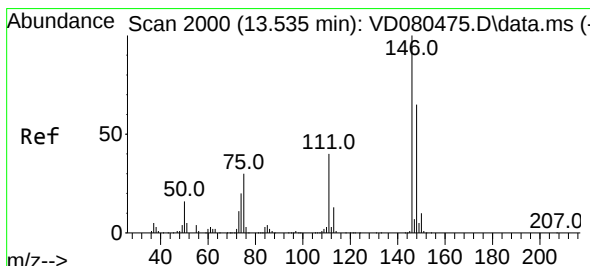
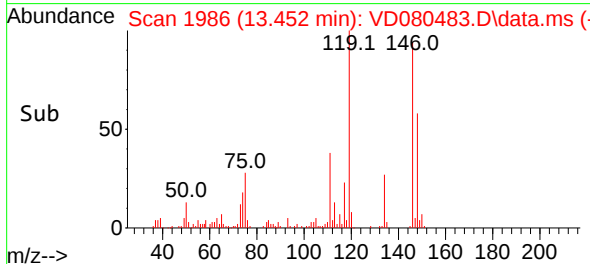
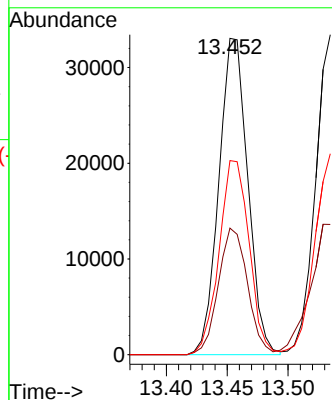
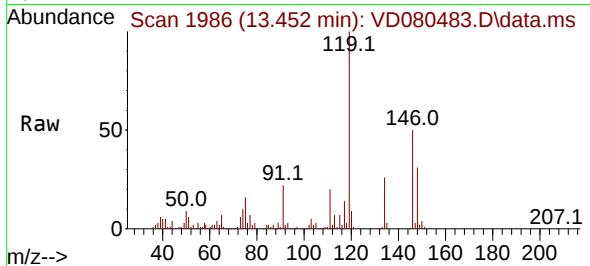




#87
1,3-Dichlorobenzene
Concen: 5.284 ug/l
RT: 13.452 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

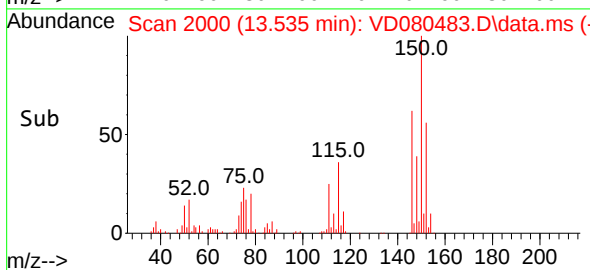
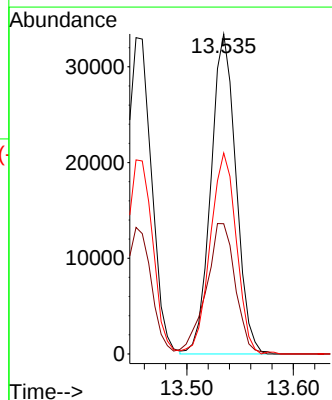
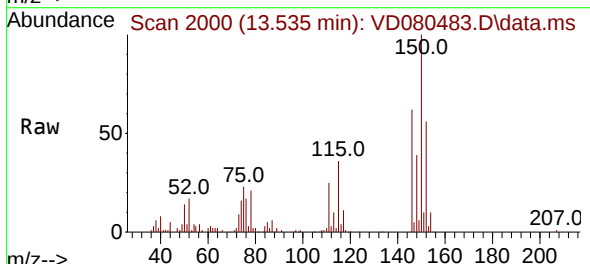
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

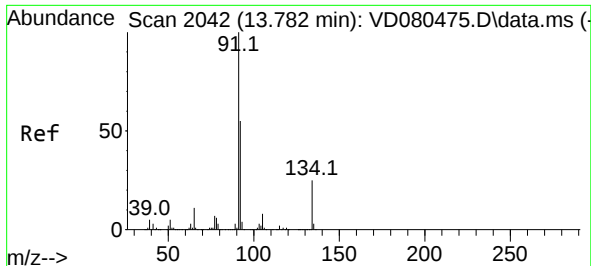
Tgt Ion:146 Resp: 54761
Ion Ratio Lower Upper
146 100
111 40.3 20.6 61.8
148 63.7 31.5 94.5



#88
1,4-Dichlorobenzene
Concen: 5.295 ug/l
RT: 13.535 min Scan# 2000
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion:146 Resp: 54771
Ion Ratio Lower Upper
146 100
111 47.3 20.0 60.0
148 65.5 32.1 96.3

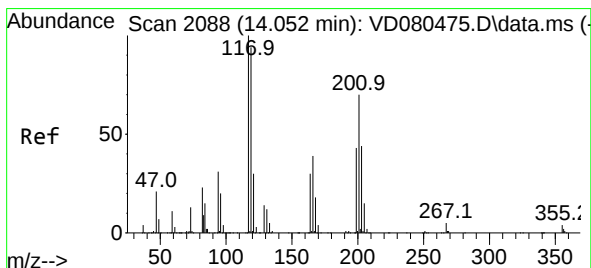
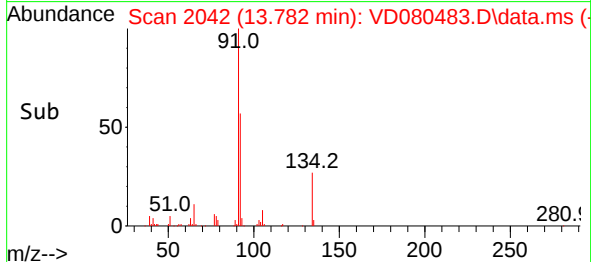
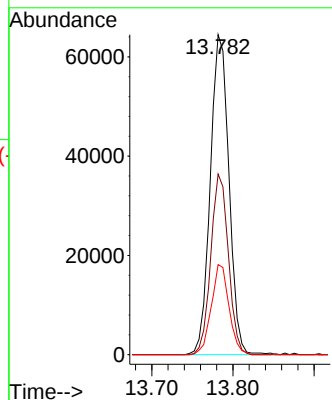
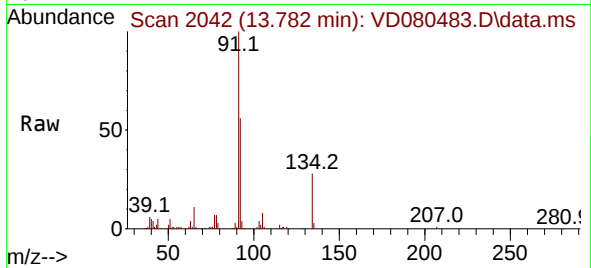




#89
n-Butylbenzene
Concen: 5.156 ug/l
RT: 13.782 min Scan# 2042
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

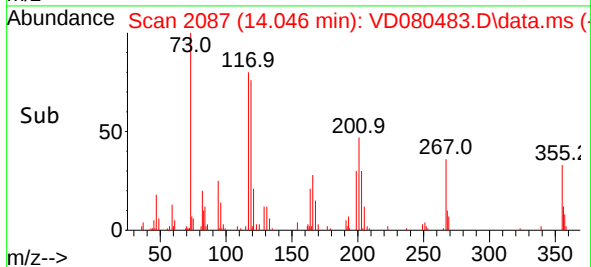
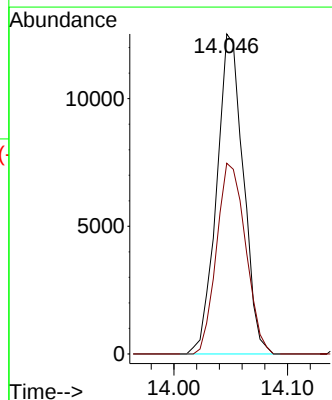
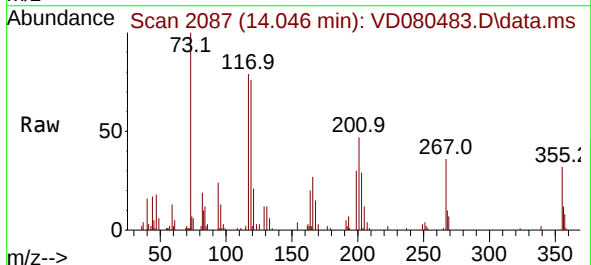
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

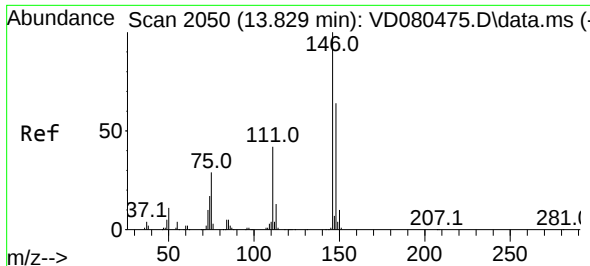
Tgt Ion: 91 Resp: 102798
Ion Ratio Lower Upper
91 100
92 53.1 27.4 82.0
134 26.8 12.6 37.8



#90
Hexachloroethane
Concen: 5.089 ug/l
RT: 14.046 min Scan# 2087
Delta R.T. -0.006 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion: 117 Resp: 20426
Ion Ratio Lower Upper
117 100
201 65.0 34.2 102.5

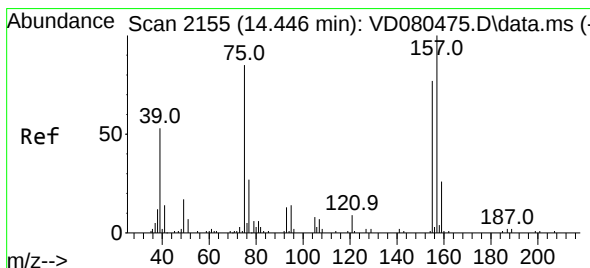
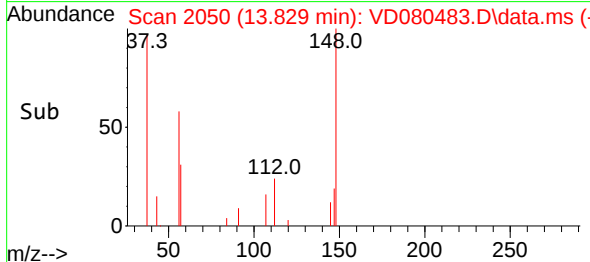
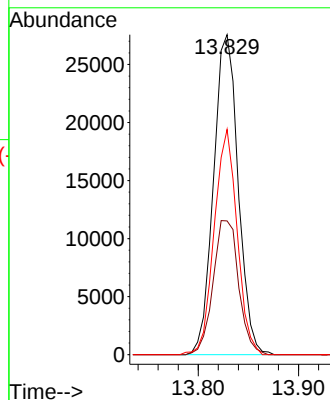
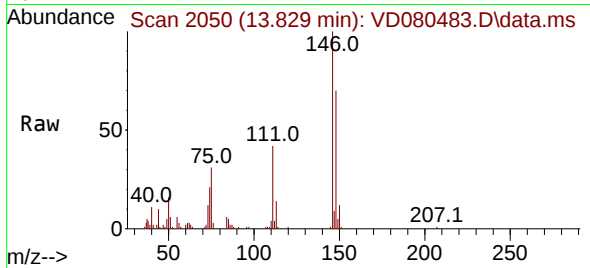




#91
1,2-Dichlorobenzene
Concen: 5.154 ug/l
RT: 13.829 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

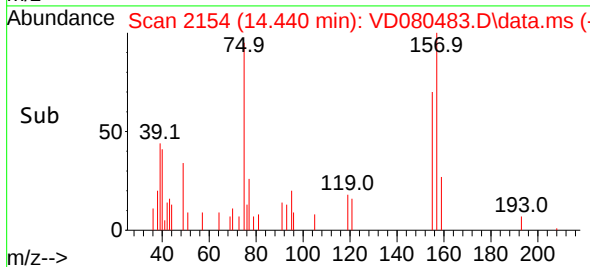
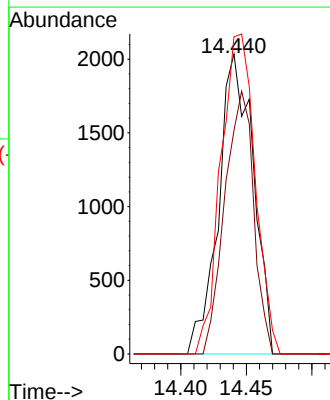
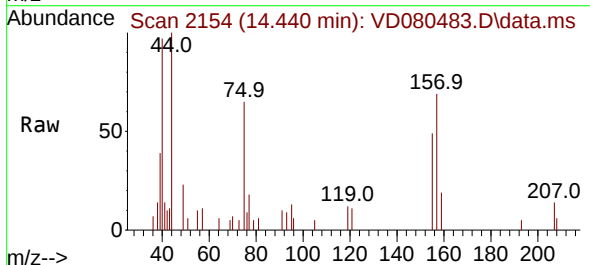
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

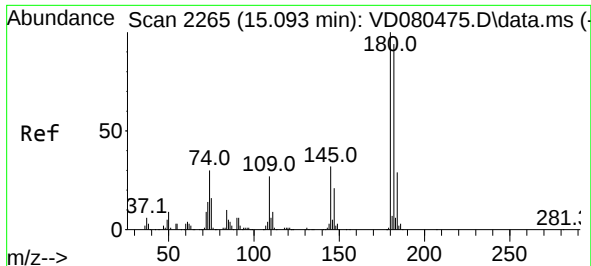
Tgt Ion:	146	Resp:	47016
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.3	63.7
148	65.4	31.9	95.7



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.558 ug/l
RT: 14.440 min Scan# 2154
Delta R.T. -0.006 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion:	75	Resp:	3740
Ion	Ratio	Lower	Upper
75	100		
155	72.9	45.6	136.8
157	105.5	58.6	175.8

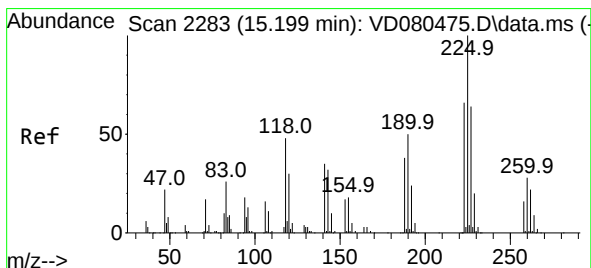
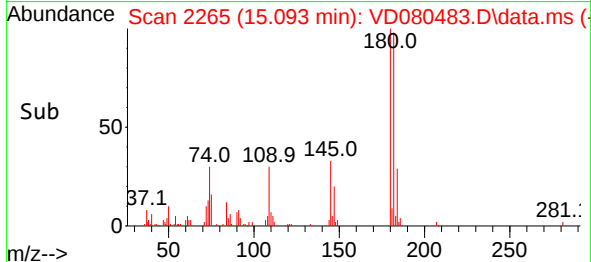
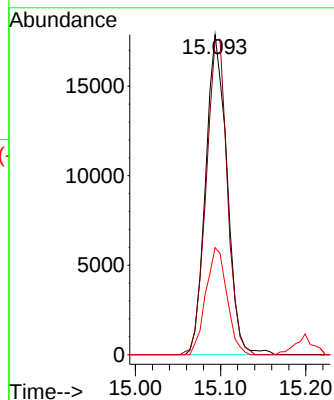
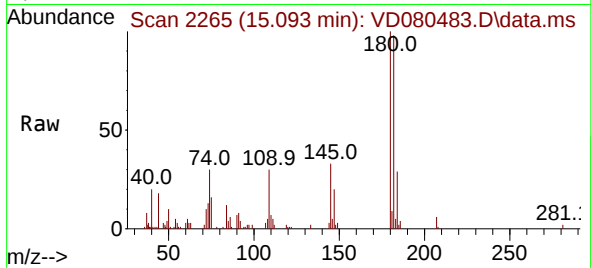




#93
1,2,4-Trichlorobenzene
Concen: 5.449 ug/l
RT: 15.093 min Scan# 21144
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

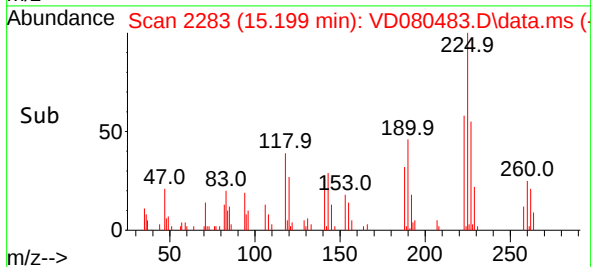
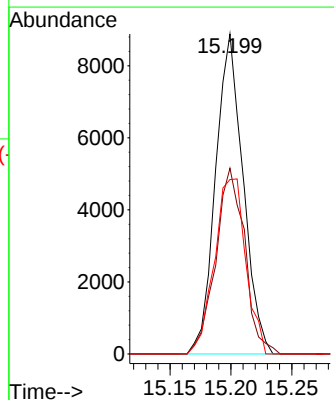
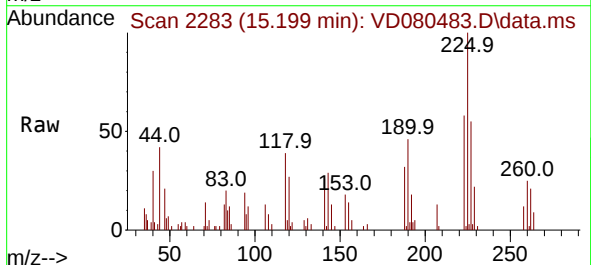
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

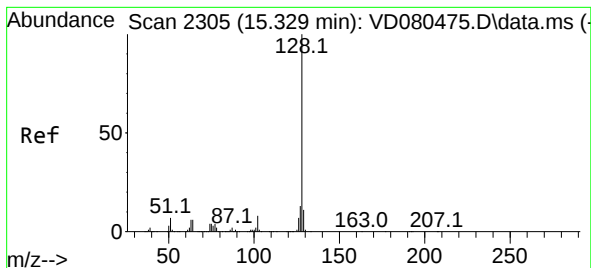
Tgt Ion:180	Resp:	31144
Ion Ratio	Lower	Upper
180	100	
182	97.9	46.8 140.4
145	33.1	16.0 47.9



#94
Hexachlorobutadiene
Concen: 5.299 ug/l
RT: 15.199 min Scan# 2283
Delta R.T. 0.000 min
Lab File: VD080483.D
Acq: 26 Jun 2025 15:58

Tgt Ion:225	Resp:	13981
Ion Ratio	Lower	Upper
225	100	
223	60.9	31.4 94.2
227	62.2	31.8 95.3





#95

Naphthalene

Concen: 5.358 ug/l

RT: 15.329 min Scan# 2305

Delta R.T. 0.000 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2025

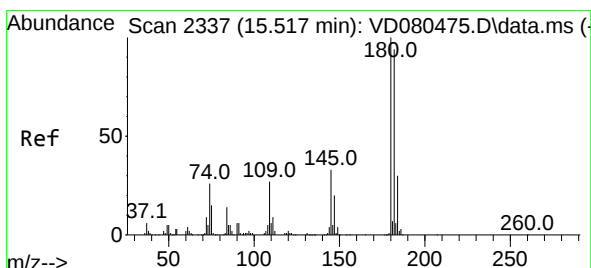
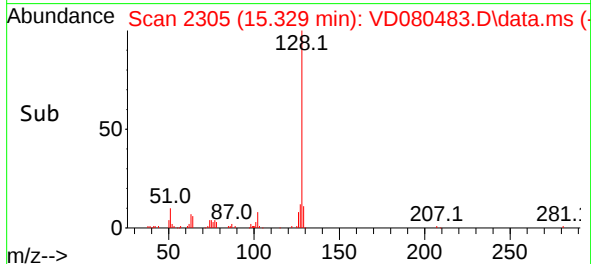
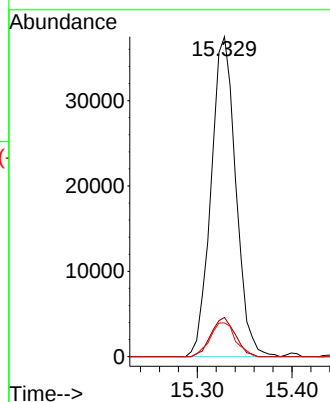
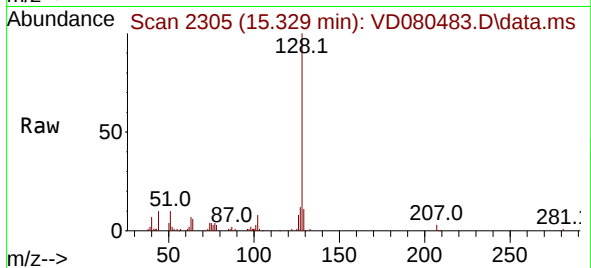
Tgt Ion:128 Resp: 68045

Ion Ratio Lower Upper

128 100

127 12.3 10.6 15.8

129 10.6 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 5.547 ug/l

RT: 15.517 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VD080483.D

Acq: 26 Jun 2025 15:58

Tgt Ion:180 Resp: 27263

Ion Ratio Lower Upper

180 100

182 96.1 47.3 141.9

145 34.3 16.7 50.1

