

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062625\
 Data File : VD080485.D
 Acq On : 26 Jun 2025 16:50
 Operator : RP/MD
 Sample : Q2126-01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

Quant Time: Jun 27 05:47:21 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	402611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	769059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.576	117	676780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	303593	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	221668	56.161	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.320%	
35) Dibromofluoromethane	7.805	113	235794	54.754	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.500%	
50) Toluene-d8	10.264	98	947905	54.486	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.980%	
62) 4-Bromofluorobenzene	12.570	95	304475	53.375	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.760%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.935	85	14433	4.032	ug/l	92
3) Chloromethane	2.147	50	23233	4.648	ug/l	93
4) Vinyl Chloride	2.288	62	22569	4.451	ug/l	90
5) Bromomethane	2.694	94	15233	5.435	ug/l	94
6) Chloroethane	2.841	64	15231	4.785	ug/l	98
7) Trichlorofluoromethane	3.182	101	26154	4.100	ug/l	91
8) Diethyl Ether	3.594	74	10569	4.256	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.965	101	17766	4.210	ug/l	98
10) Methyl Iodide	4.159	142	19678	3.960	ug/l	95
11) Tert butyl alcohol	5.047	59	7549	23.490	ug/l	97
12) 1,1-Dichloroethene	3.947	96	19796	4.345	ug/l	97
13) Acrolein	3.800	56	3819	8.720	ug/l #	15
14) Allyl chloride	4.564	41	32694	4.098	ug/l	90
15) Acrylonitrile	5.259	53	26408	22.352	ug/l	98
16) Acetone	4.029	43	18850	18.484	ug/l	94
17) Carbon Disulfide	4.270	76	61319	4.261	ug/l	98
18) Methyl Acetate	4.570	43	18880	6.086	ug/l	93
19) Methyl tert-butyl Ether	5.317	73	48830	4.312	ug/l	93
20) Methylene Chloride	4.806	84	48404	7.582	ug/l	90
21) trans-1,2-Dichloroethene	5.306	96	22813	4.489	ug/l #	89
22) Diisopropyl ether	6.217	45	69320	4.500	ug/l	98
23) Vinyl Acetate	6.159	43	179752	20.478	ug/l	96
24) 1,1-Dichloroethane	6.117	63	40060	4.432	ug/l	95
25) 2-Butanone	7.088	43	31938	21.338	ug/l #	88
26) 2,2-Dichloropropane	7.070	77	29630	4.142	ug/l	99
27) cis-1,2-Dichloroethene	7.076	96	27125	4.464	ug/l	98
28) Bromochloromethane	7.429	49	16689	4.683	ug/l	95
29) Tetrahydrofuran	7.453	42	20606	21.852	ug/l	99
30) Chloroform	7.600	83	38411	4.439	ug/l	97
31) Cyclohexane	7.882	56	41759	4.768	ug/l #	88
32) 1,1,1-Trichloroethane	7.788	97	30298	4.188	ug/l	95
36) 1,1-Dichloropropene	8.011	75	28432	4.227	ug/l	97
37) Ethyl Acetate	7.164	43	12801	3.916	ug/l	97
38) Carbon Tetrachloride	7.994	117	25382	3.950	ug/l #	88
39) Methylcyclohexane	9.276	83	35470	3.830	ug/l	98
40) Benzene	8.252	78	89991	4.169	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.411	41	8113	3.883	ug/l #	84
42) 1,2-Dichloroethane	8.323	62	21340	4.202	ug/l	95
43) Isopropyl Acetate	8.364	43	26982	4.194	ug/l	98
44) Trichloroethene	9.035	130	21645	4.137	ug/l	81
45) 1,2-Dichloropropane	9.300	63	22758	4.347	ug/l	93
46) Dibromomethane	9.394	93	12029	4.309	ug/l	97
47) Bromodichloromethane	9.582	83	29609	4.279	ug/l	91
48) Methyl methacrylate	9.382	41	14304	4.395	ug/l	99
49) 1,4-Dioxane	9.388	88	2730	75.391	ug/l #	66
51) 4-Methyl-2-Pentanone	10.158	43	67157	20.557	ug/l	100
52) Toluene	10.329	92	54730	4.056	ug/l	94
53) t-1,3-Dichloropropene	10.552	75	27454	3.961	ug/l	98
54) cis-1,3-Dichloropropene	10.017	75	34423	4.134	ug/l	98
55) 1,1,2-Trichloroethane	10.729	97	15578	4.094	ug/l	96
56) Ethyl methacrylate	10.594	69	23010	4.236	ug/l	97
57) 1,3-Dichloropropane	10.876	76	28831	4.330	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.870	63	45555	21.961	ug/l	100
59) 2-Hexanone	10.917	43	47041	20.345	ug/l	98
60) Dibromochloromethane	11.076	129	19554	4.163	ug/l	98
61) 1,2-Dibromoethane	11.182	107	14985	4.119	ug/l	100
64) Tetrachloroethene	10.805	164	17054	4.060	ug/l	92
65) Chlorobenzene	11.605	112	58801	4.028	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.676	131	19140	4.172	ug/l	98
67) Ethyl Benzene	11.682	91	102478	4.014	ug/l	98
68) m/p-Xylenes	11.793	106	78776	8.103	ug/l	99
69) o-Xylene	12.117	106	37997	4.050	ug/l	98
70) Styrene	12.129	104	64822	4.085	ug/l	99
71) Bromoform	12.299	173	10447	3.999	ug/l #	99
73) Isopropylbenzene	12.417	105	92698	3.928	ug/l	100
74) N-amyl acetate	12.229	43	26429	4.277	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.664	83	18522	4.215	ug/l	100
76) 1,2,3-Trichloropropane	12.717	75	22956	8.895	ug/l #	100
77) Bromobenzene	12.699	156	22537	4.270	ug/l	96
78) n-propylbenzene	12.758	91	113279	3.987	ug/l	98
79) 2-Chlorotoluene	12.846	91	63235	3.870	ug/l	95
80) 1,3,5-Trimethylbenzene	12.899	105	76126	3.978	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.470	75	6309	3.633	ug/l	87
82) 4-Chlorotoluene	12.940	91	68465	4.079	ug/l	100
83) tert-Butylbenzene	13.164	119	65057	3.886	ug/l	99
84) 1,2,4-Trimethylbenzene	13.205	105	76421	4.000	ug/l	99
85) sec-Butylbenzene	13.340	105	98333	3.977	ug/l	99
86) p-Isopropyltoluene	13.458	119	80036	3.912	ug/l	99
87) 1,3-Dichlorobenzene	13.452	146	41918	4.107	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	42103	4.132	ug/l	92
89) n-Butylbenzene	13.782	91	74837	3.811	ug/l	100
90) Hexachloroethane	14.046	117	15998	4.047	ug/l	97
91) 1,2-Dichlorobenzene	13.829	146	36658	4.080	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.440	75	3028	4.569	ug/l	83
93) 1,2,4-Trichlorobenzene	15.093	180	23753	4.219	ug/l	97
94) Hexachlorobutadiene	15.199	225	9734	3.746	ug/l	97
95) Naphthalene	15.329	128	50644	4.049	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.517	180	21442	4.430	ug/l	97

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QLast Update : Fri Jun 27 05:45:13 2025
Response via : Initial Calibration

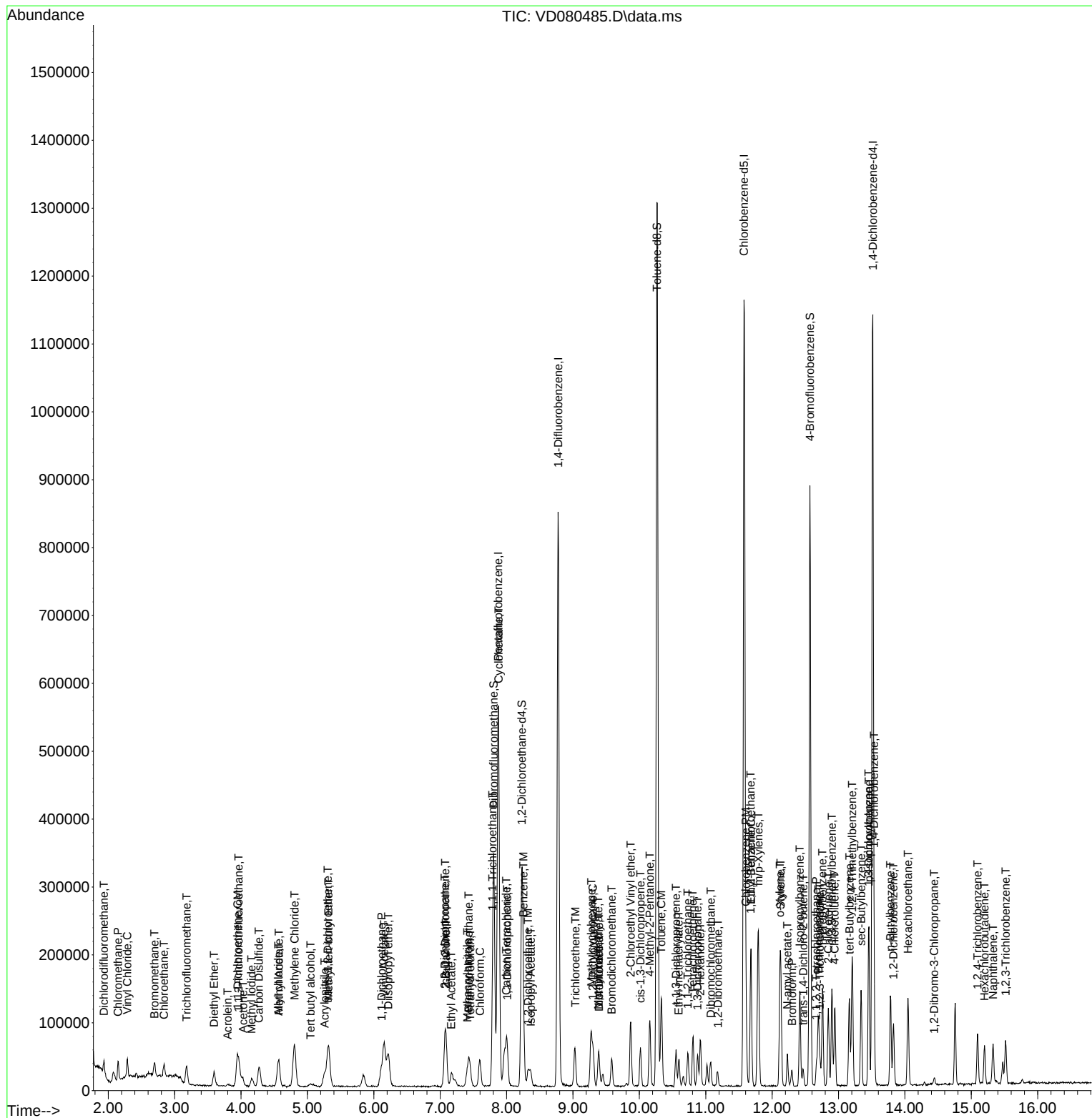
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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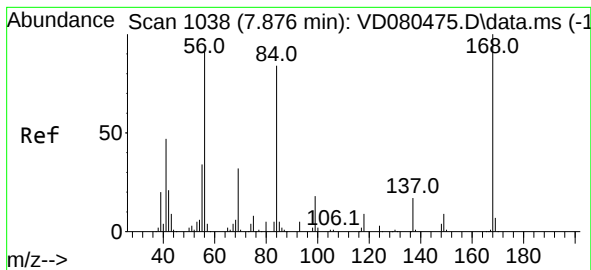
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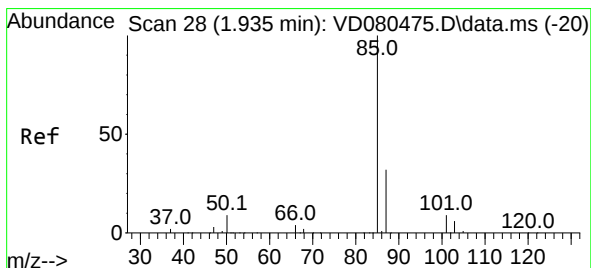
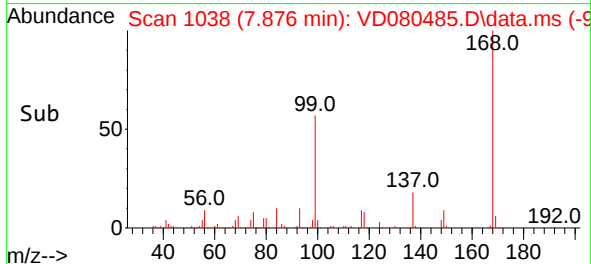
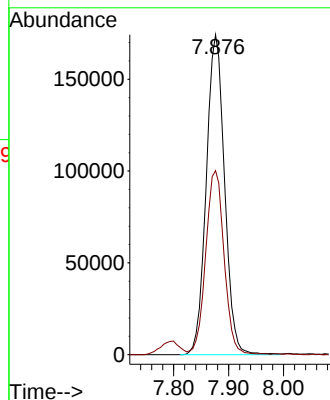
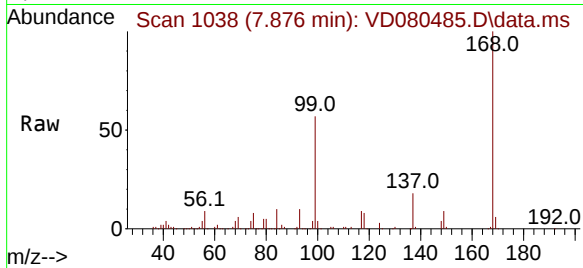




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VD080485.D
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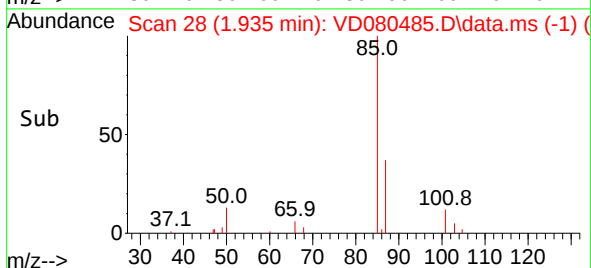
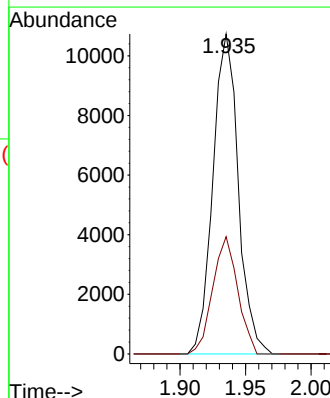
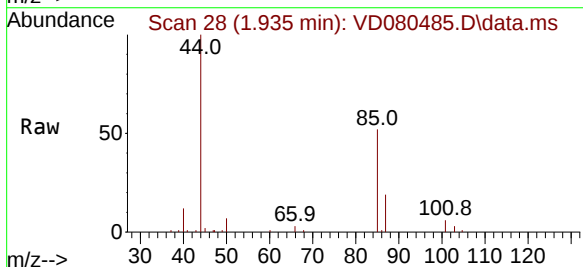
Instrument :
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ClientSampleId :
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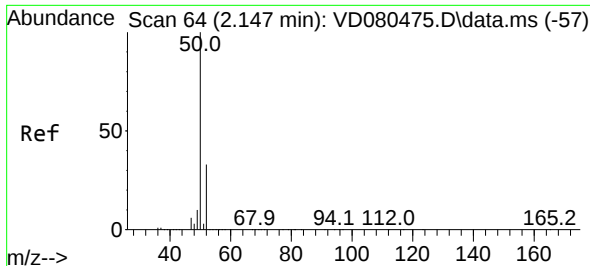
Tgt Ion:168 Resp: 402611
Ion Ratio Lower Upper
168 100
99 57.3 45.8 68.8



#2
Dichlorodifluoromethane
Concen: 4.032 ug/l
RT: 1.935 min Scan# 28
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion: 85 Resp: 14433
Ion Ratio Lower Upper
85 100
87 36.6 16.0 47.9

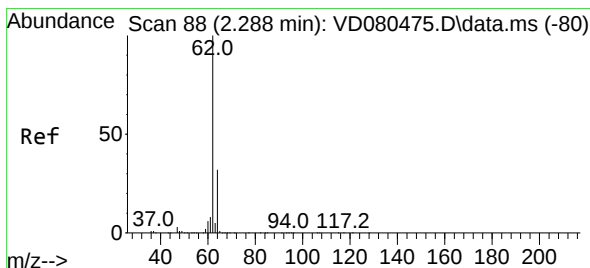
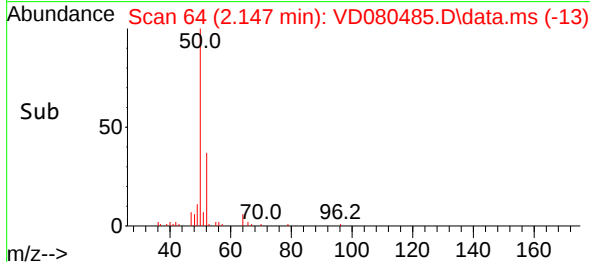
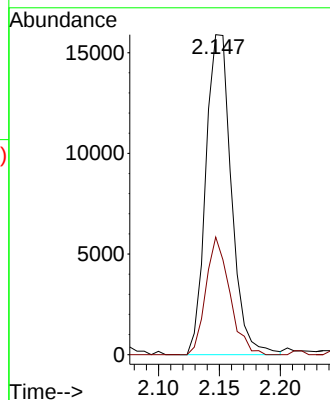
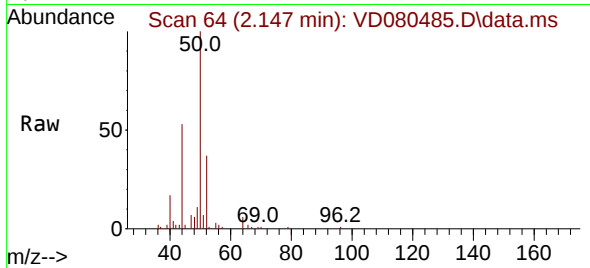




#3
Chloromethane
Concen: 4.648 ug/l
RT: 2.147 min Scan# 64
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

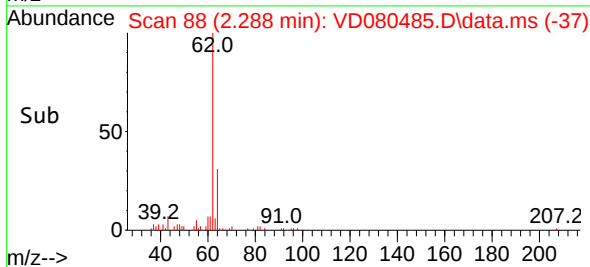
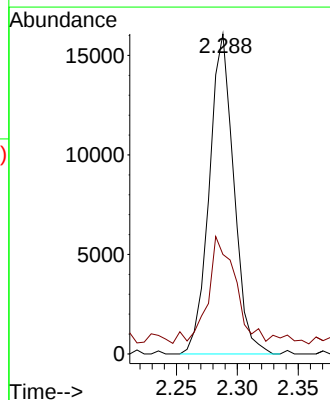
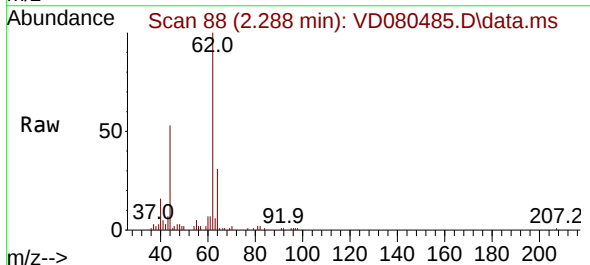
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ClientSampleId :
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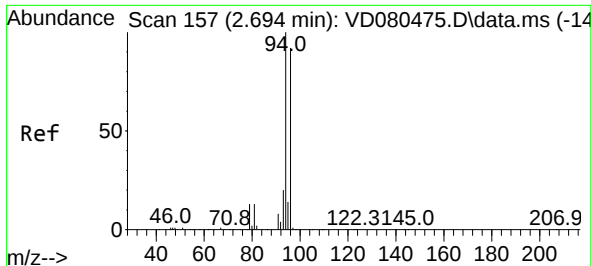
Tgt Ion: 50 Resp: 23233
Ion Ratio Lower Upper
50 100
52 36.8 26.1 39.1



#4
Vinyl Chloride
Concen: 4.451 ug/l
RT: 2.288 min Scan# 88
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion: 62 Resp: 22569
Ion Ratio Lower Upper
62 100
64 26.1 25.5 38.3

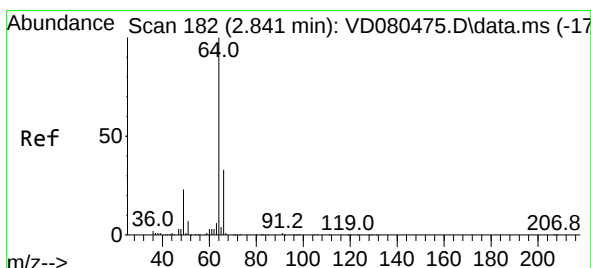
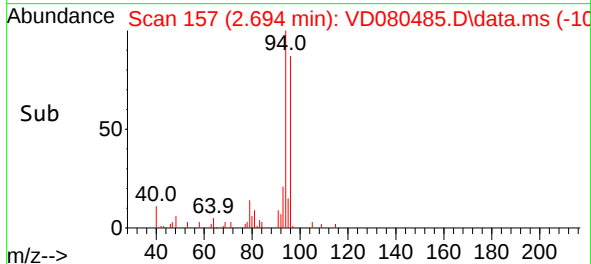
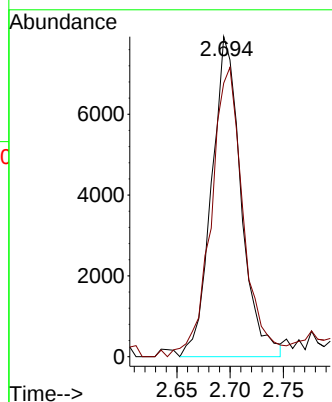
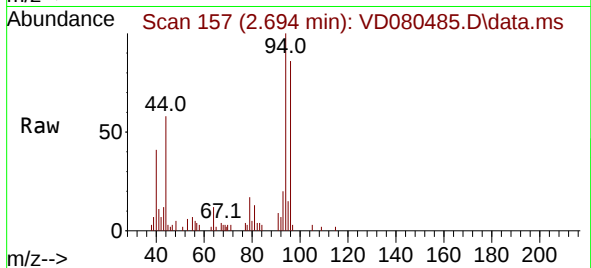




#5
Bromomethane
Concen: 5.435 ug/l
RT: 2.694 min Scan# 157
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

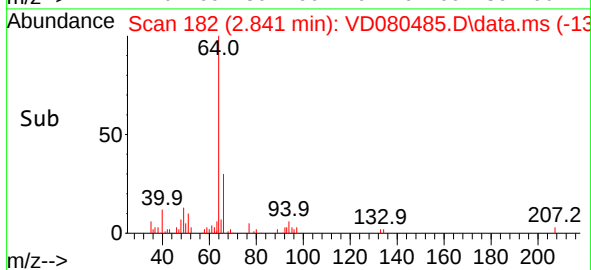
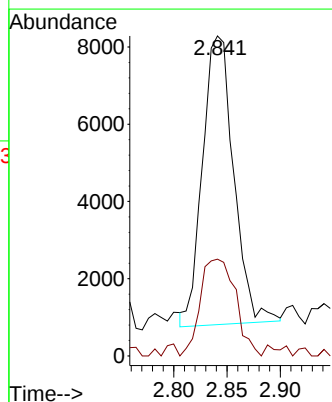
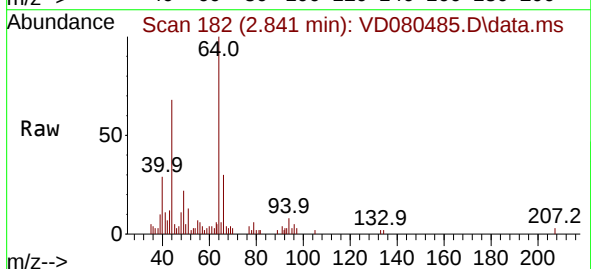
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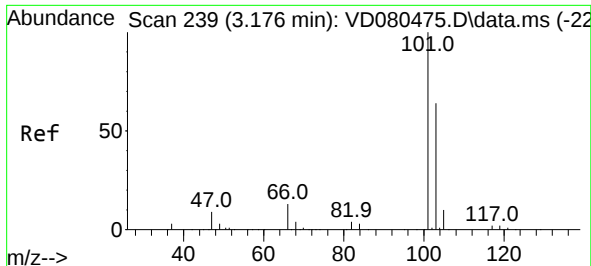
Tgt Ion: 94 Resp: 15233
Ion Ratio Lower Upper
94 100
96 99.1 74.8 112.2



#6
Chloroethane
Concen: 4.785 ug/l
RT: 2.841 min Scan# 182
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion: 64 Resp: 15231
Ion Ratio Lower Upper
64 100
66 34.3 26.3 39.5

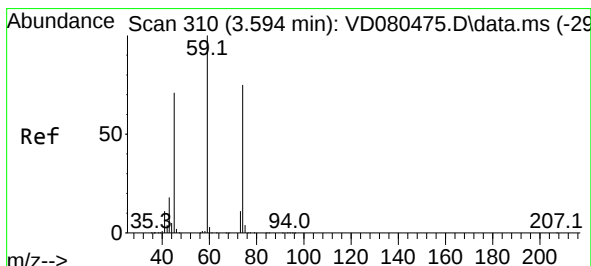
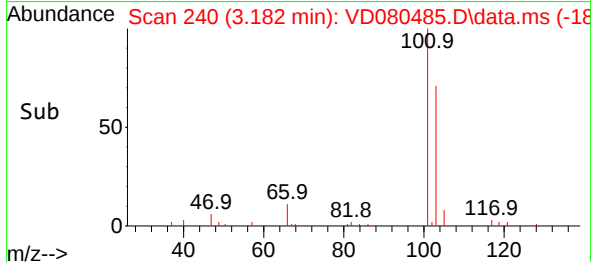
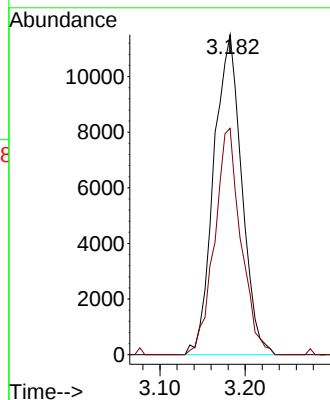
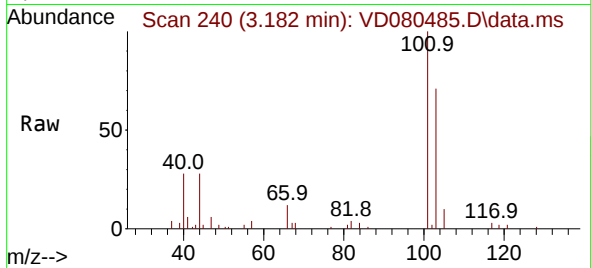




#7
 Trichlorofluoromethane
 Concen: 4.100 ug/l
 RT: 3.182 min Scan# 241
 Delta R.T. 0.006 min
 Lab File: VD080485.D
 Acq: 26 Jun 2025 16:50

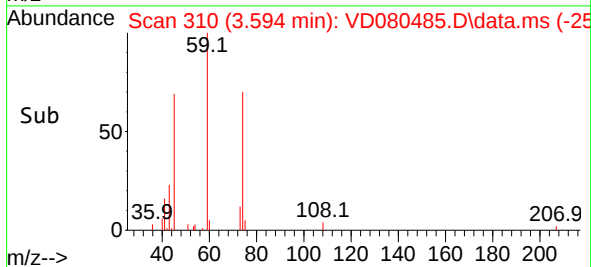
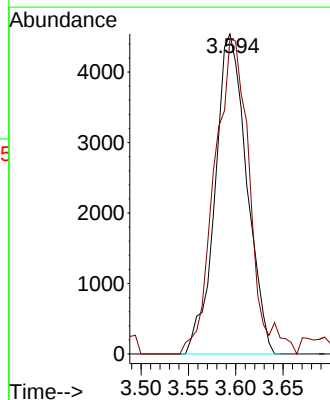
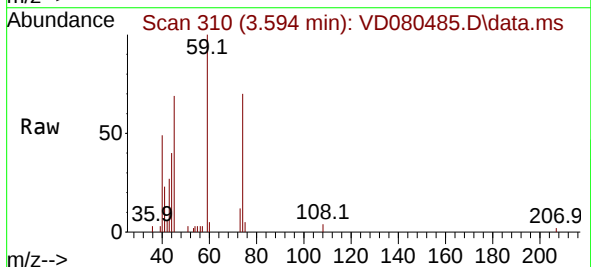
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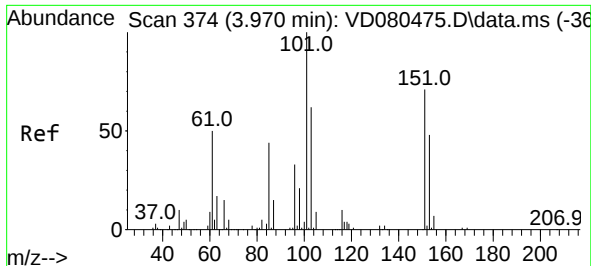
Tgt Ion:101 Resp: 26154
 Ion Ratio Lower Upper
 101 100
 103 70.8 51.3 76.9



#8
 Diethyl Ether
 Concen: 4.256 ug/l
 RT: 3.594 min Scan# 310
 Delta R.T. 0.000 min
 Lab File: VD080485.D
 Acq: 26 Jun 2025 16:50

Tgt Ion: 74 Resp: 10569
 Ion Ratio Lower Upper
 74 100
 45 108.8 46.6 139.8

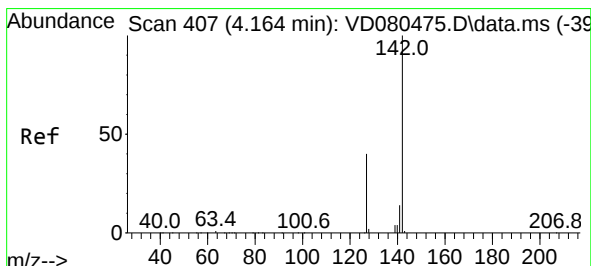
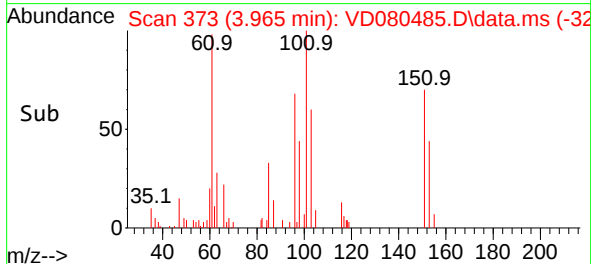
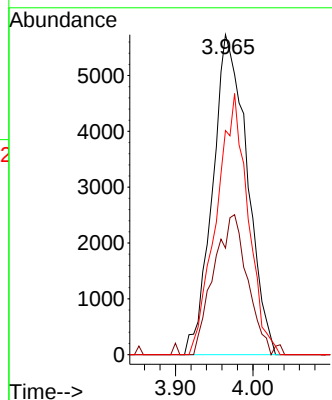
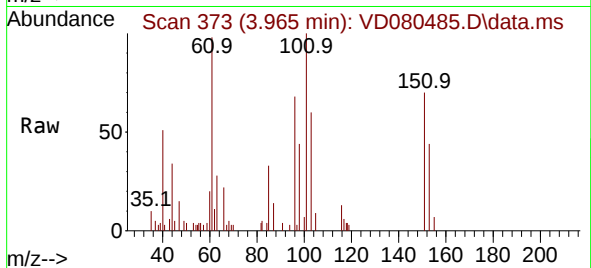




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.210 ug/l
RT: 3.965 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

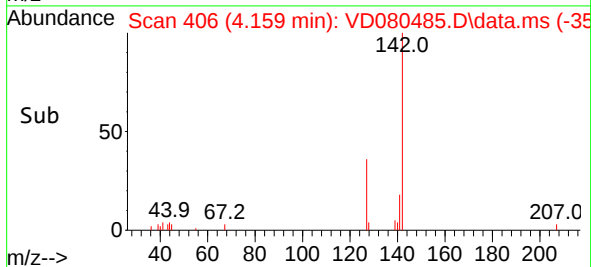
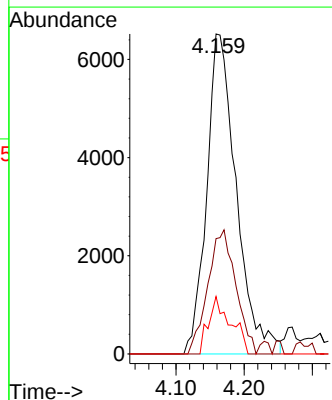
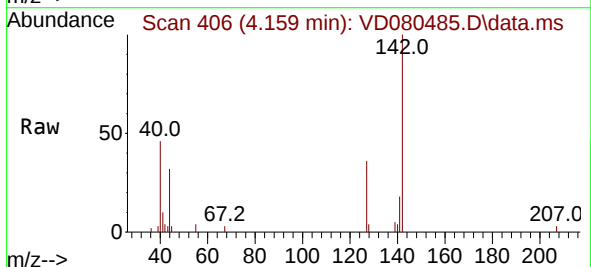
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

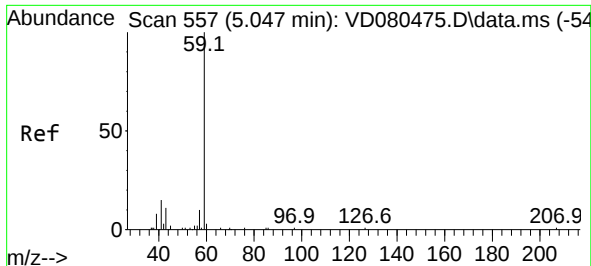
Tgt Ion:101	Resp:	17766
Ion	Ratio	Lower Upper
101	100	
85	43.3	34.0 51.0
151	75.0	58.4 87.6



#10
Methyl Iodide
Concen: 3.960 ug/l
RT: 4.159 min Scan# 406
Delta R.T. -0.006 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion:142	Resp:	19678
Ion	Ratio	Lower Upper
142	100	
127	36.7	32.6 49.0
141	13.4	11.1 16.7

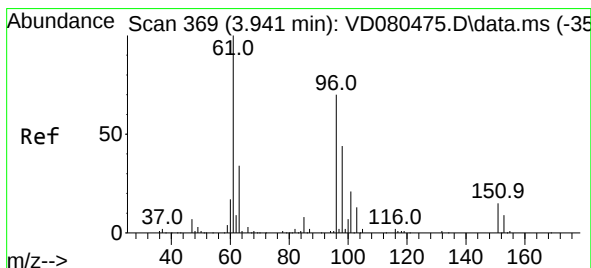
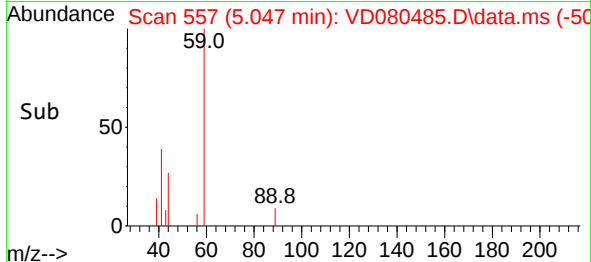
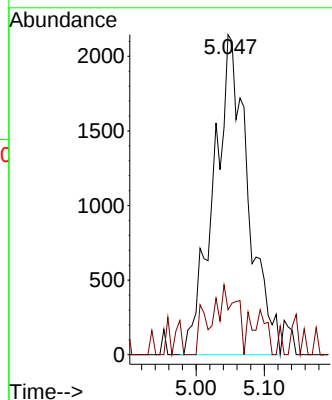
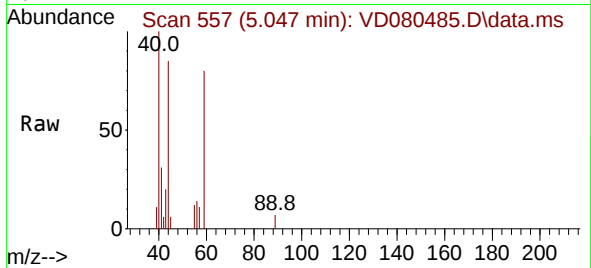




#11
Tert butyl alcohol
Concen: 23.490 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

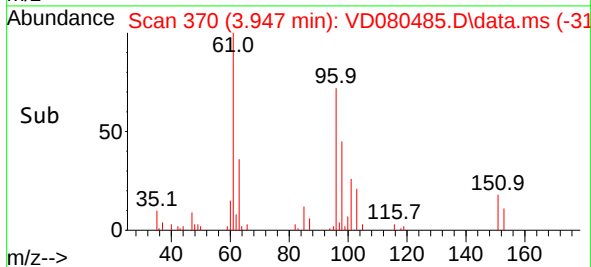
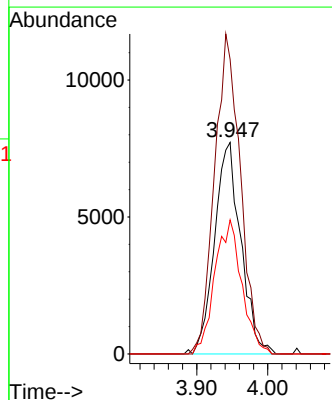
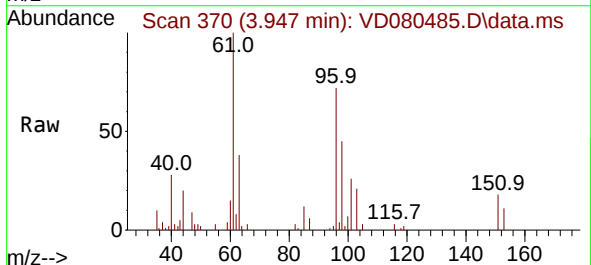
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

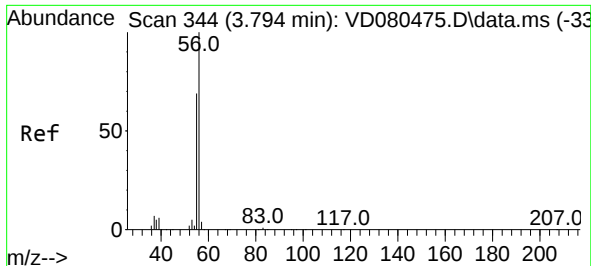
Tgt Ion: 59 Resp: 7549
Ion Ratio Lower Upper
59 100
57 12.3 8.8 13.2



#12
1,1-Dichloroethene
Concen: 4.345 ug/l
RT: 3.947 min Scan# 370
Delta R.T. 0.006 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion: 96 Resp: 19796
Ion Ratio Lower Upper
96 100
61 139.2 114.9 172.3
98 63.3 50.5 75.7

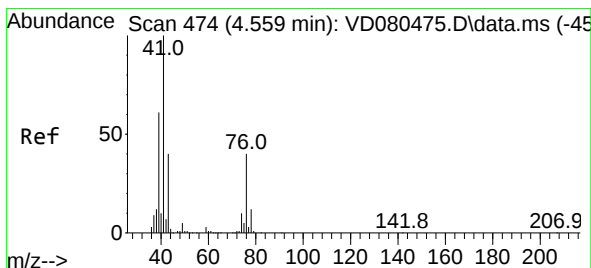
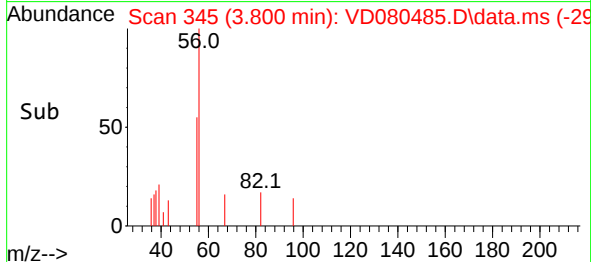
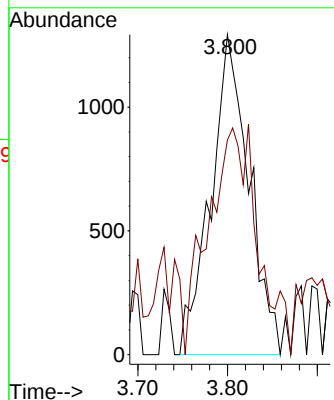
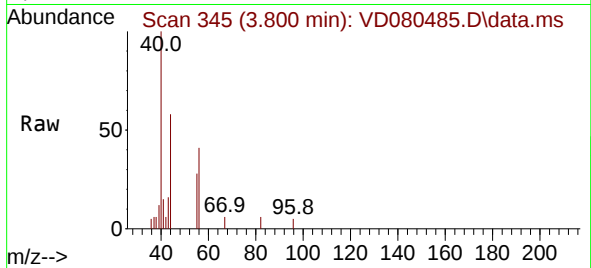




#13
Acrolein
Concen: 8.720 ug/l
RT: 3.800 min Scan# 344
Delta R.T. 0.006 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

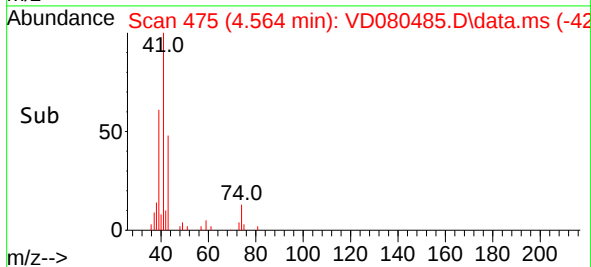
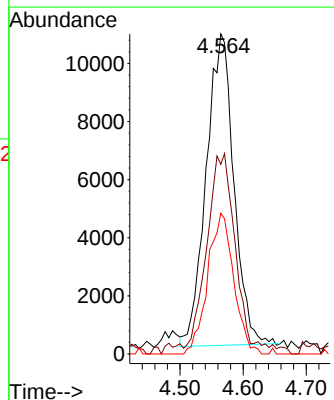
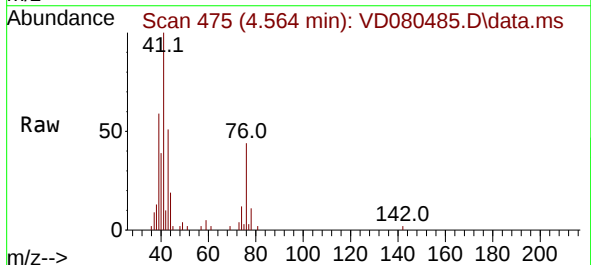
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

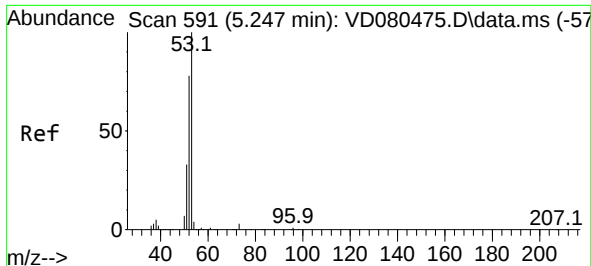
Tgt Ion: 56 Resp: 3819
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.2#



#14
Allyl chloride
Concen: 4.098 ug/l
RT: 4.564 min Scan# 475
Delta R.T. 0.006 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion: 41 Resp: 32694
Ion Ratio Lower Upper
41 100
39 67.8 47.4 71.2
76 42.4 30.5 45.7

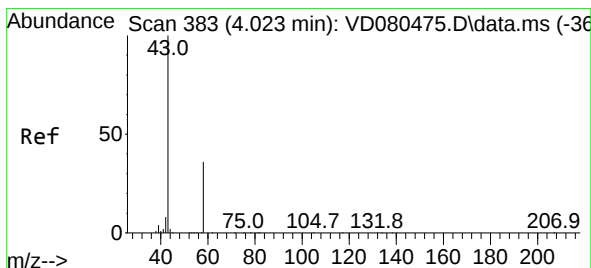
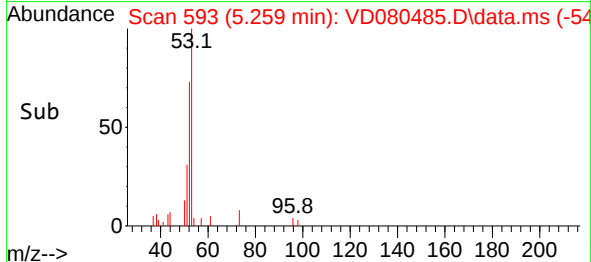
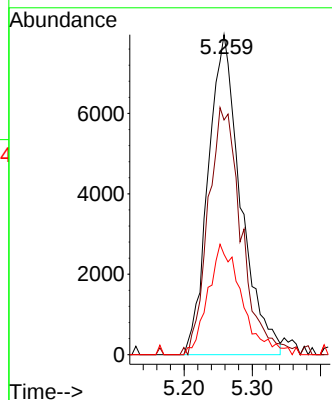
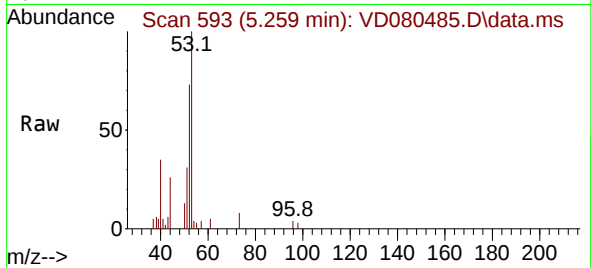




#15
Acrylonitrile
Concen: 22.352 ug/l
RT: 5.259 min Scan# 593
Delta R.T. 0.012 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

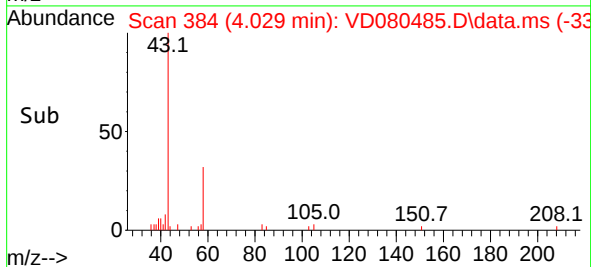
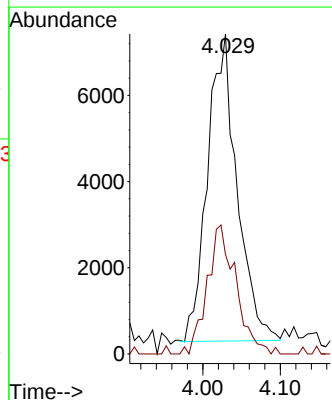
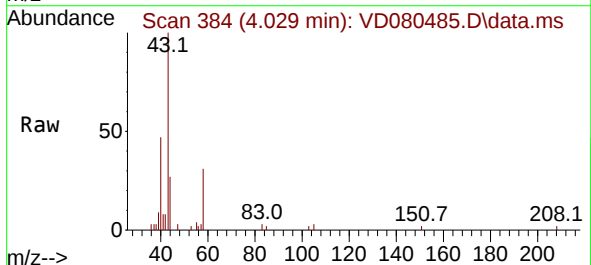
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

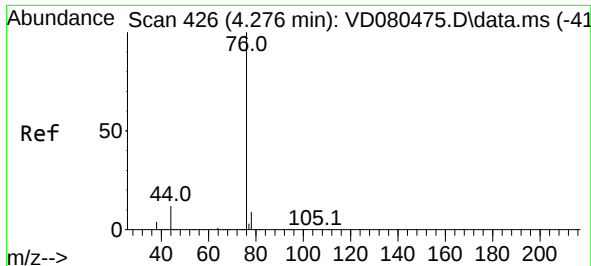
Tgt Ion:	53	Resp:	26408
Ion	Ratio	Lower	Upper
53	100		
52	79.5	64.7	97.1
51	36.4	27.9	41.9



#16
Acetone
Concen: 18.484 ug/l
RT: 4.029 min Scan# 384
Delta R.T. 0.006 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion:	43	Resp:	18850
Ion	Ratio	Lower	Upper
43	100		
58	32.4	29.0	43.4

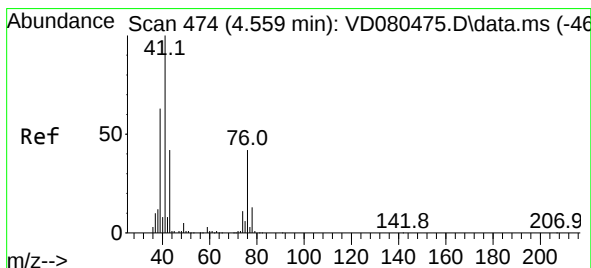
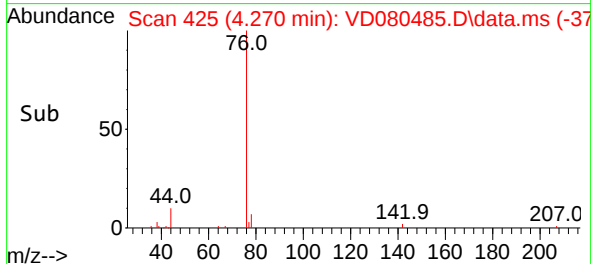
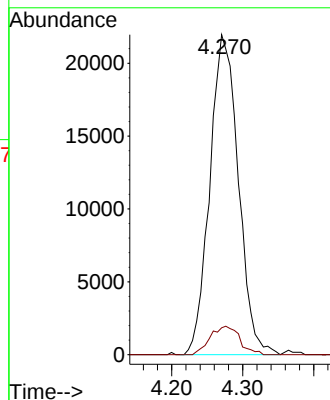
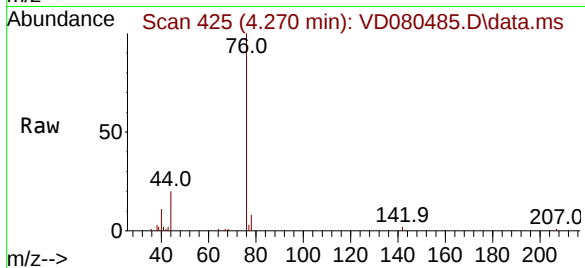




#17
Carbon Disulfide
Concen: 4.261 ug/l
RT: 4.270 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

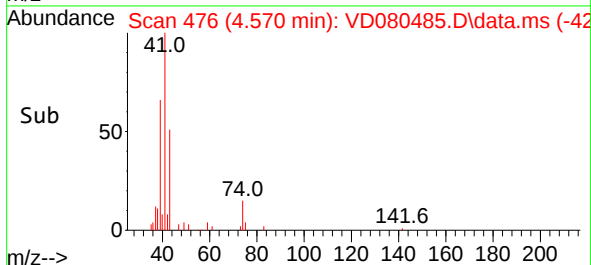
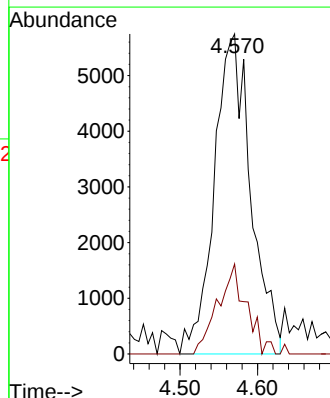
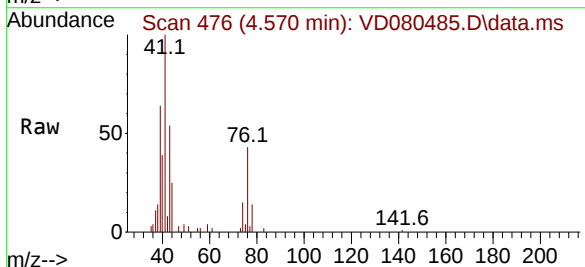
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

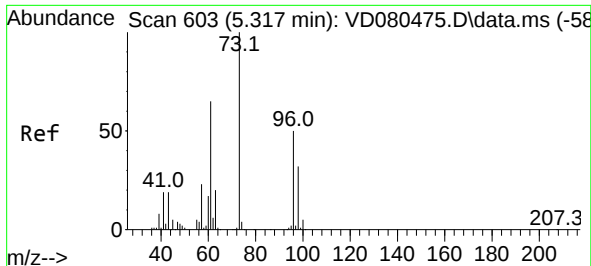
Tgt Ion: 76 Resp: 61319
Ion Ratio Lower Upper
76 100
78 8.4 7.2 10.8



#18
Methyl Acetate
Concen: 6.086 ug/l
RT: 4.570 min Scan# 476
Delta R.T. 0.012 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion: 43 Resp: 18880
Ion Ratio Lower Upper
43 100
74 22.1 20.4 30.6

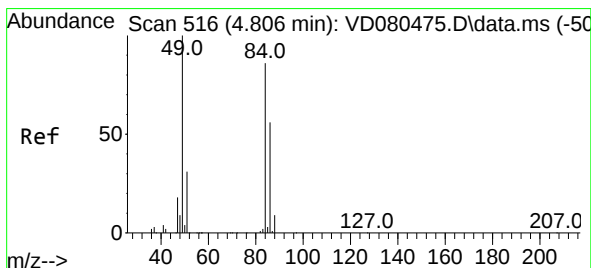
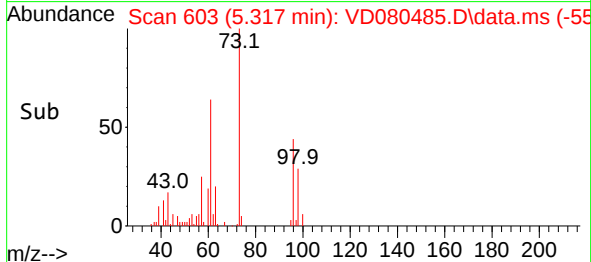
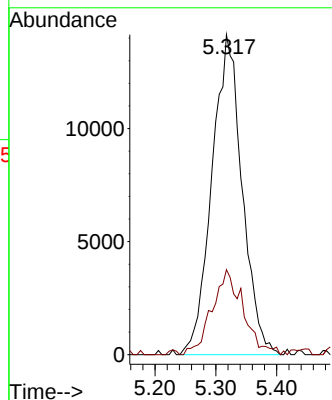
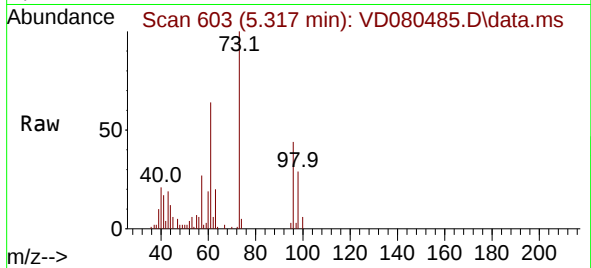




#19
Methyl tert-butyl Ether
Concen: 4.312 ug/l
RT: 5.317 min Scan# 603
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

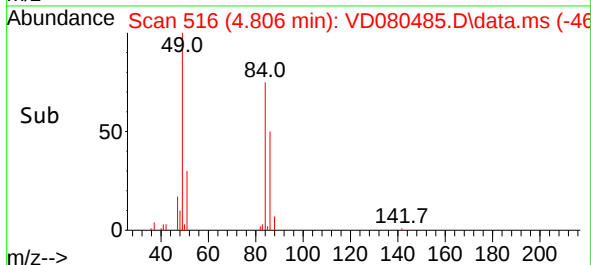
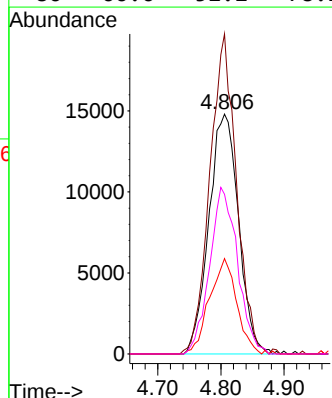
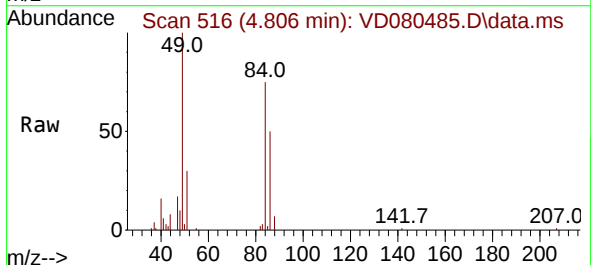
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

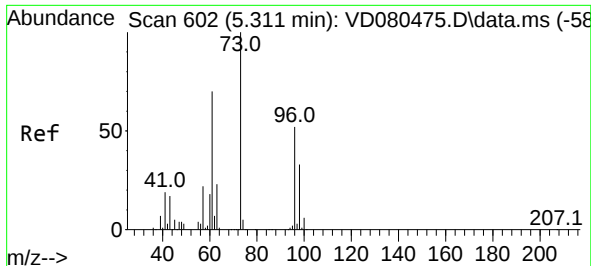
Tgt Ion: 73 Resp: 48830
Ion Ratio Lower Upper
73 100
57 26.6 18.5 27.7



#20
Methylene Chloride
Concen: 7.582 ug/l
RT: 4.806 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion: 84 Resp: 48404
Ion Ratio Lower Upper
84 100
49 133.4 92.8 139.2
51 39.7 29.0 43.6
86 66.6 52.2 78.2

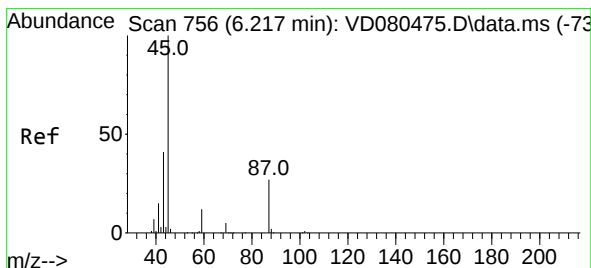
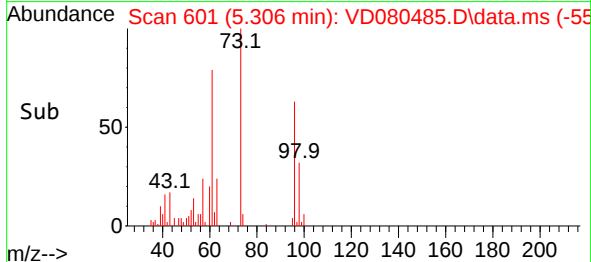
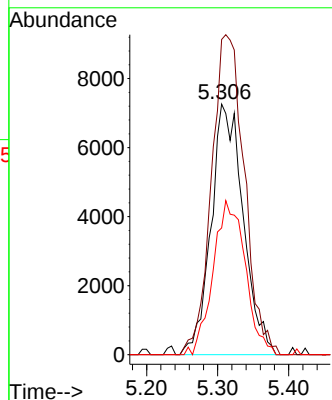
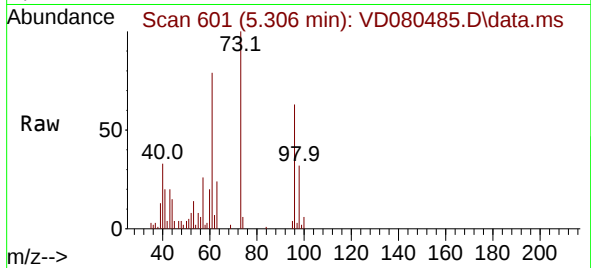




#21
trans-1,2-Dichloroethene
Concen: 4.489 ug/l
RT: 5.306 min Scan# 602
Delta R.T. -0.006 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

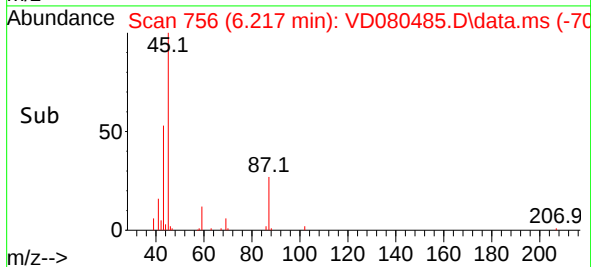
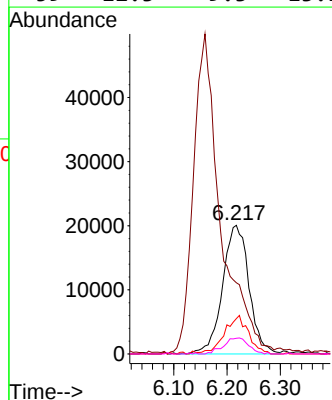
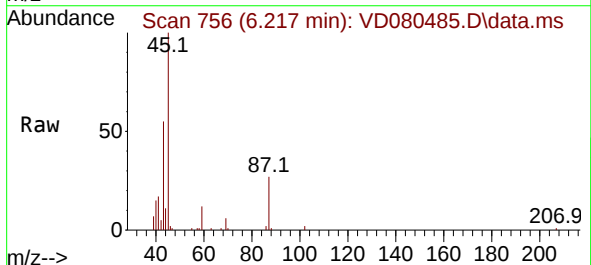
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

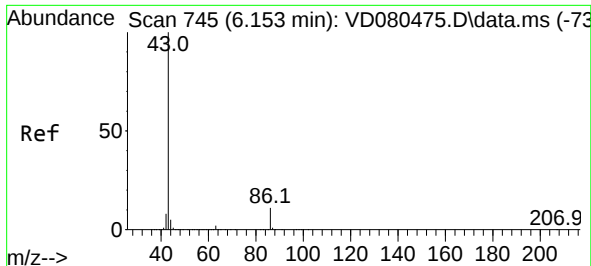
Tgt Ion: 96 Resp: 22813
Ion Ratio Lower Upper
96 100
61 125.8 108.6 163.0
98 50.6 51.5 77.3#



#22
Diisopropyl ether
Concen: 4.500 ug/l
RT: 6.217 min Scan# 756
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion: 45 Resp: 69320
Ion Ratio Lower Upper
45 100
43 50.7 39.5 59.3
87 27.5 22.3 33.5
59 12.3 9.3 13.9

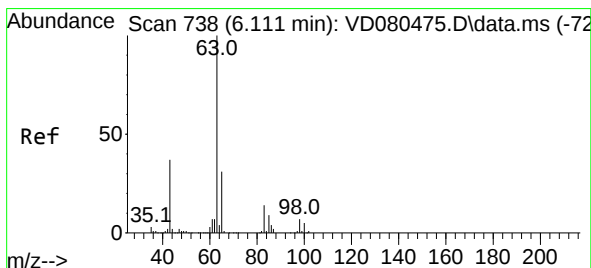
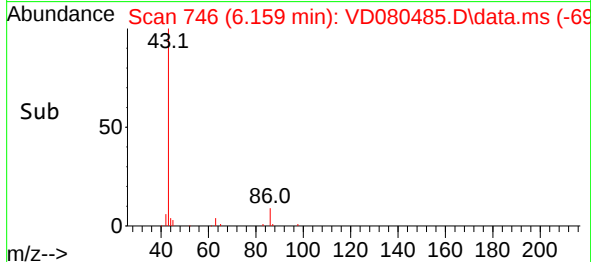
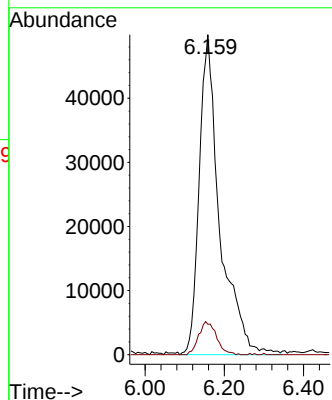
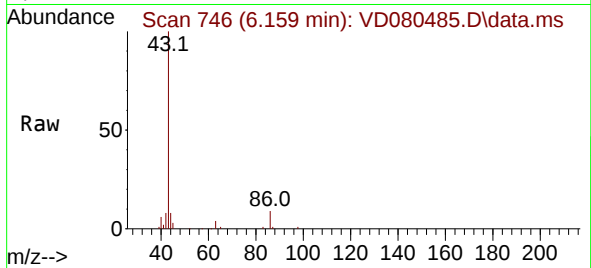




#23
 Vinyl Acetate
 Concen: 20.478 ug/l
 RT: 6.159 min Scan# 745
 Delta R.T. 0.006 min
 Lab File: VD080485.D
 Acq: 26 Jun 2025 16:50

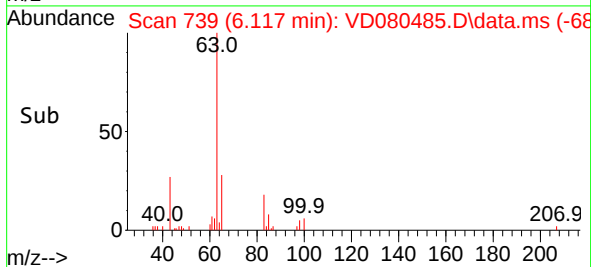
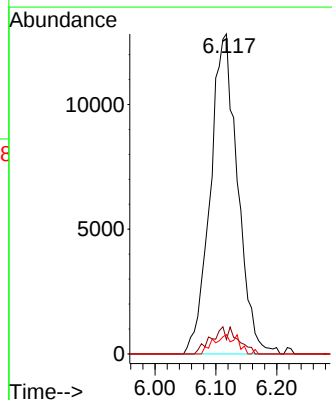
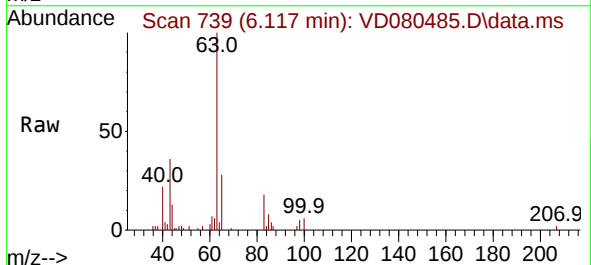
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

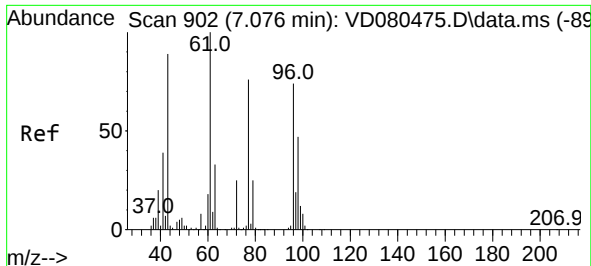
Tgt Ion: 43 Resp: 179752
 Ion Ratio Lower Upper
 43 100
 86 9.5 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 4.432 ug/l
 RT: 6.117 min Scan# 739
 Delta R.T. 0.006 min
 Lab File: VD080485.D
 Acq: 26 Jun 2025 16:50

Tgt Ion: 63 Resp: 40060
 Ion Ratio Lower Upper
 63 100
 98 4.5 3.3 9.9
 100 6.0 2.5 7.4

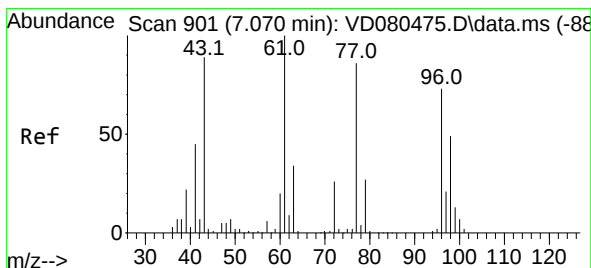
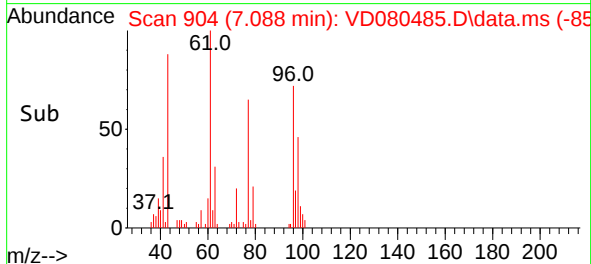
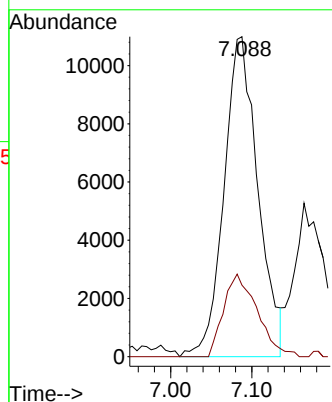
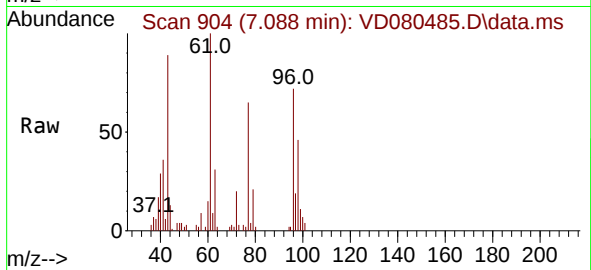




#25
2-Butanone
Concen: 21.338 ug/l
RT: 7.088 min Scan# 904
Delta R.T. 0.012 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

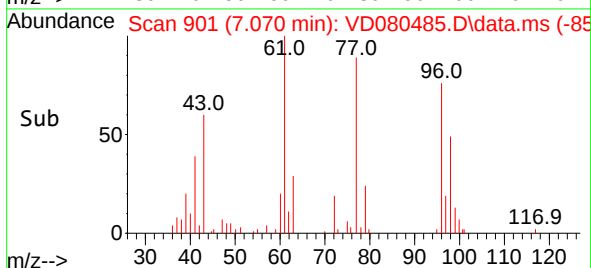
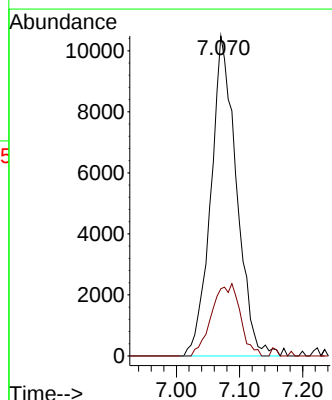
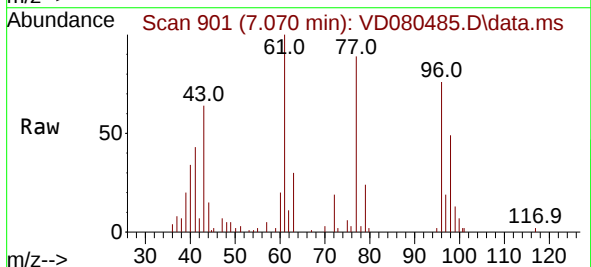
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

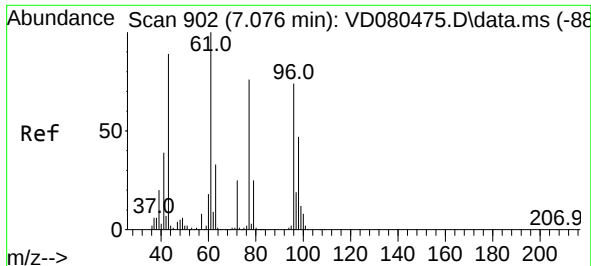
Tgt Ion: 43 Resp: 31938
Ion Ratio Lower Upper
43 100
72 22.3 22.8 34.2#



#26
2,2-Dichloropropane
Concen: 4.142 ug/l
RT: 7.070 min Scan# 901
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion: 77 Resp: 29630
Ion Ratio Lower Upper
77 100
97 25.0 12.2 36.6

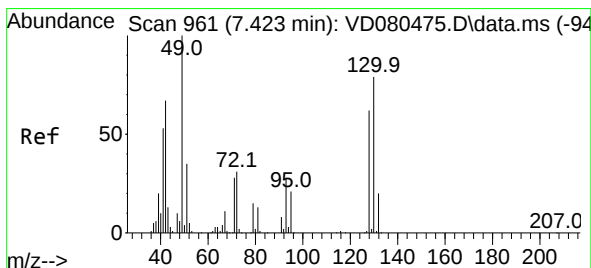
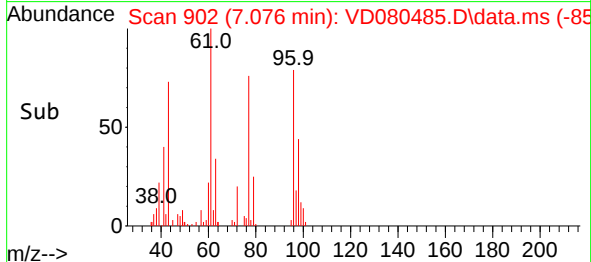
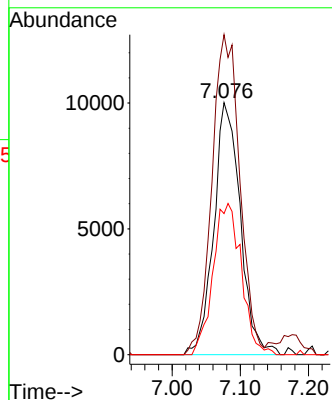
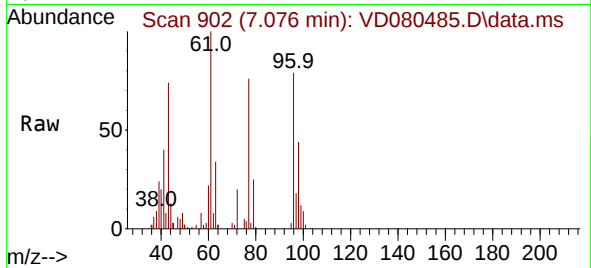




#27
 cis-1,2-Dichloroethene
 Concen: 4.464 ug/l
 RT: 7.076 min Scan# 902
 Delta R.T. 0.000 min
 Lab File: VD080485.D
 Acq: 26 Jun 2025 16:50

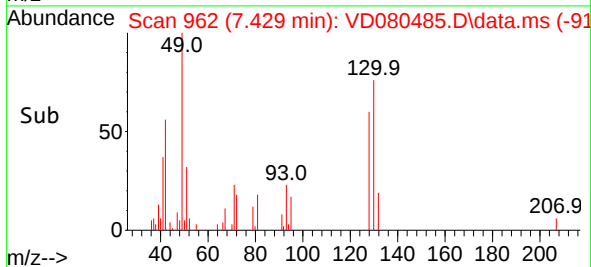
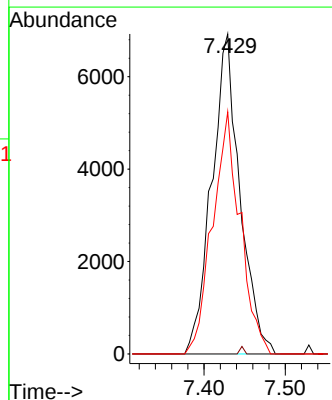
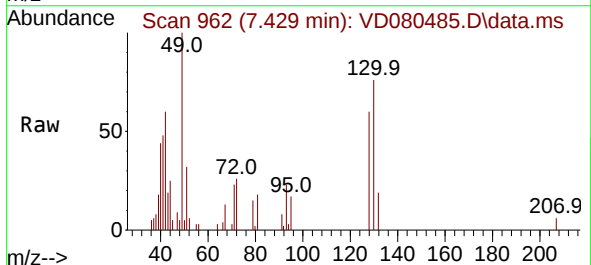
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

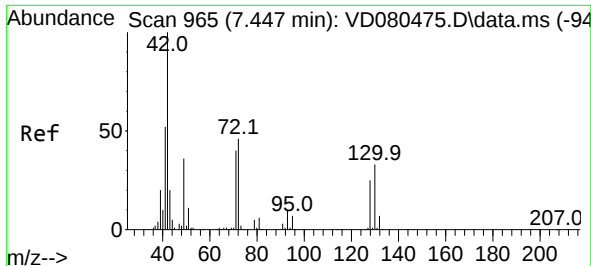
Tgt Ion: 96	Resp: 27125
Ion Ratio	Lower Upper
96 100	
61 133.6	0.0 274.6
98 64.0	0.0 128.0



#28
 Bromochloromethane
 Concen: 4.683 ug/l
 RT: 7.429 min Scan# 962
 Delta R.T. 0.006 min
 Lab File: VD080485.D
 Acq: 26 Jun 2025 16:50

Tgt Ion: 49	Resp: 16689
Ion Ratio	Lower Upper
49 100	
129 0.3	0.0 4.2
130 74.5	62.8 94.2





#29

Tetrahydrofuran

Concen: 21.852 ug/l

RT: 7.453 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

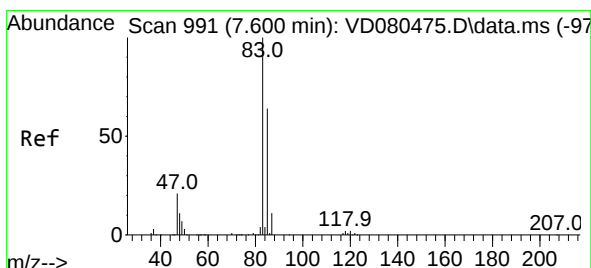
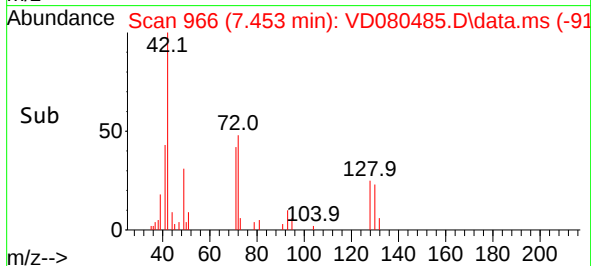
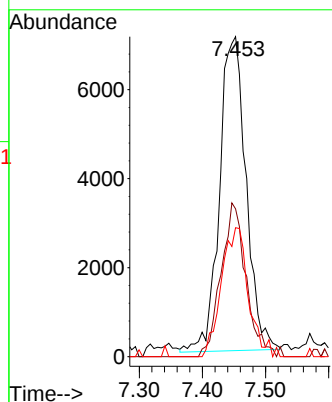
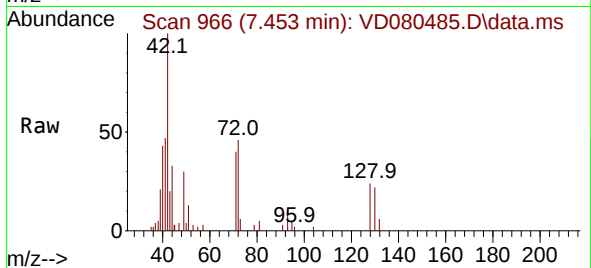
Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:	42	Resp:	20606
Ion	Ratio	Lower	Upper
42	100		
72	45.9	35.9	53.9
71	41.7	33.2	49.8



#30

Chloroform

Concen: 4.439 ug/l

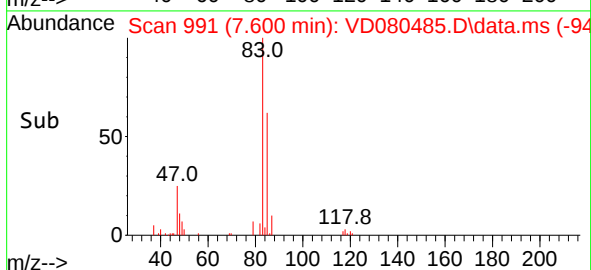
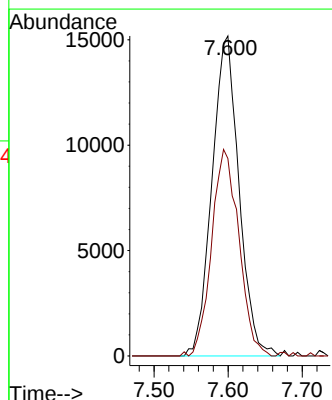
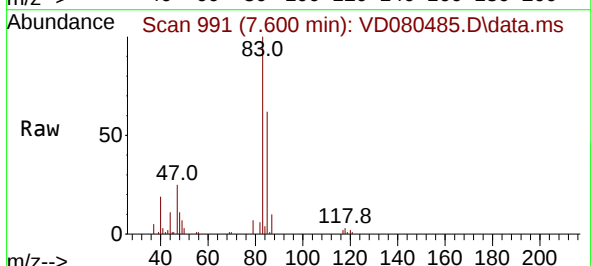
RT: 7.600 min Scan# 991

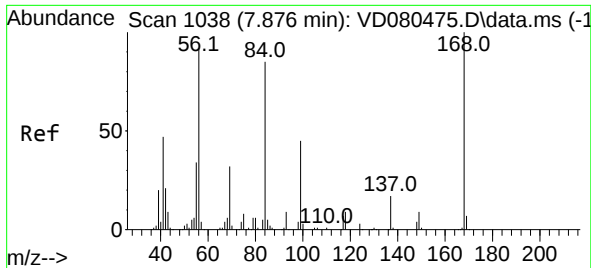
Delta R.T. 0.000 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

Tgt Ion:	83	Resp:	38411
Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.2	76.8

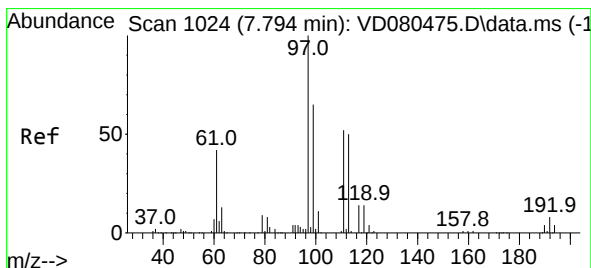
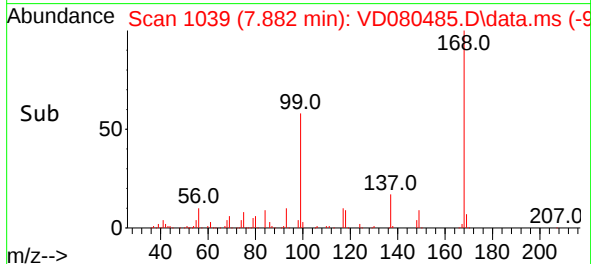
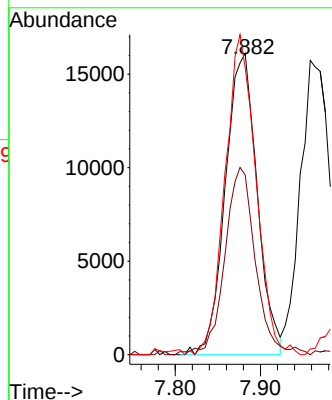
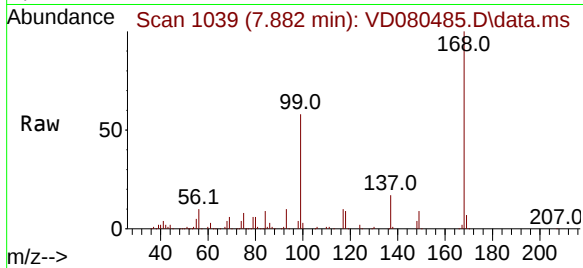




#31
Cyclohexane
Concen: 4.768 ug/l
RT: 7.882 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

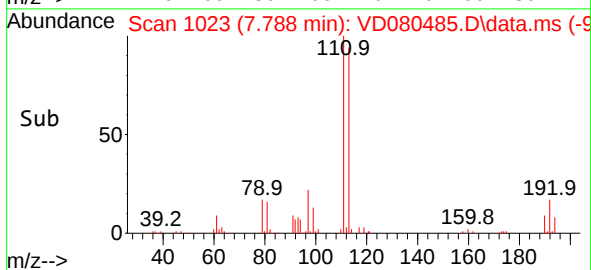
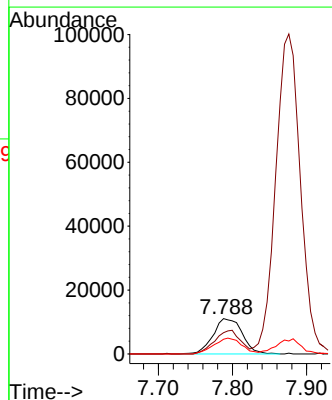
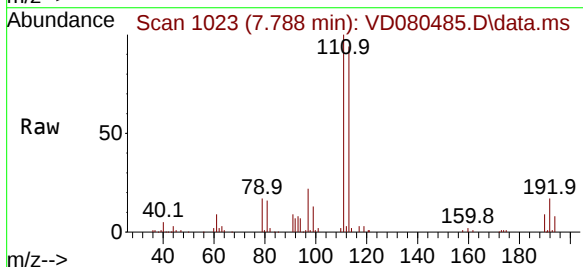
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

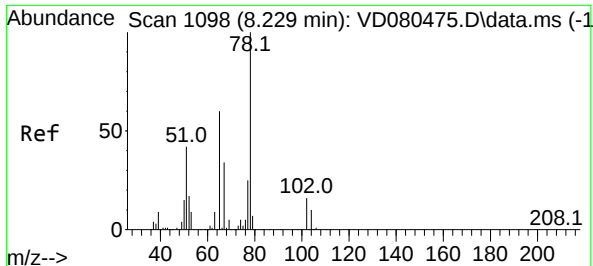
Tgt Ion: 56 Resp: 41759
Ion Ratio Lower Upper
56 100
69 58.7 28.1 42.1#
84 93.7 73.7 110.5



#32
1,1,1-Trichloroethane
Concen: 4.188 ug/l
RT: 7.788 min Scan# 1023
Delta R.T. -0.006 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion: 97 Resp: 30298
Ion Ratio Lower Upper
97 100
99 59.2 51.5 77.3
61 43.1 33.8 50.6





#33

1,2-Dichloroethane-d4

Concen: 56.161 ug/l

RT: 8.229 min Scan# 1098

Delta R.T. 0.000 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

Instrument :

MSVOA_D

ClientSampleId :

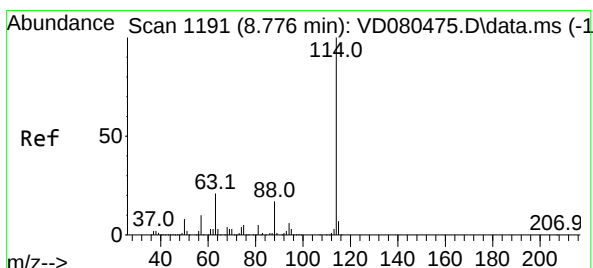
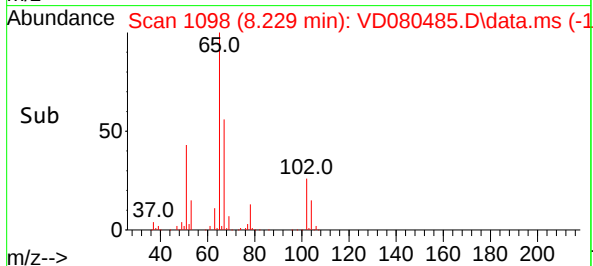
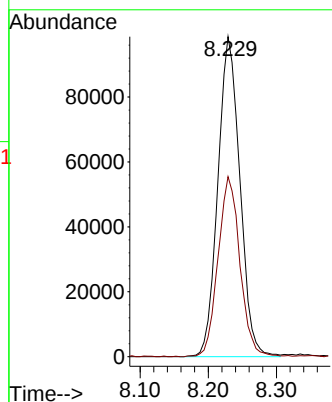
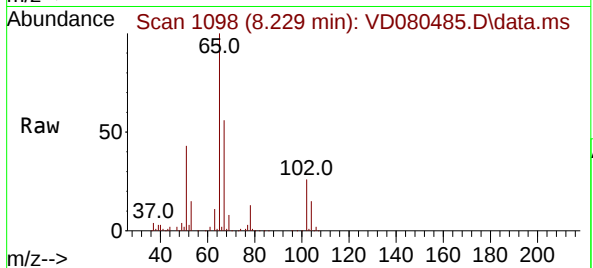
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 65 Resp: 221668

Ion Ratio Lower Upper

65 100

67 56.0 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: VD080485.D

Acq: 26 Jun 2025 16:50

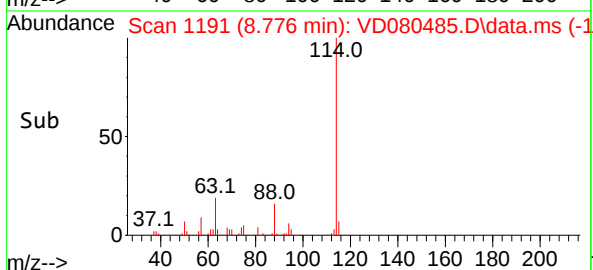
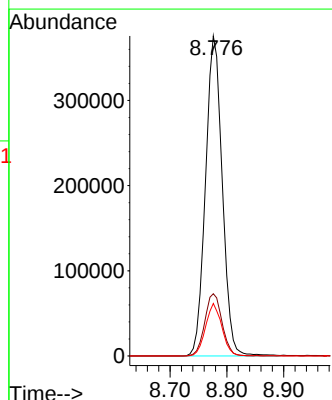
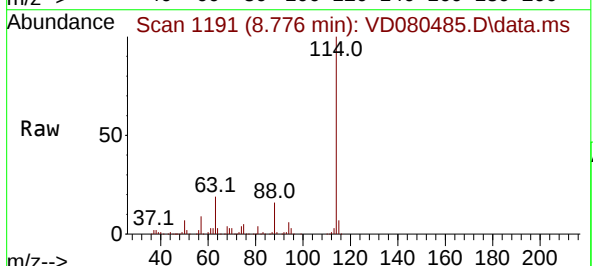
Tgt Ion: 114 Resp: 769059

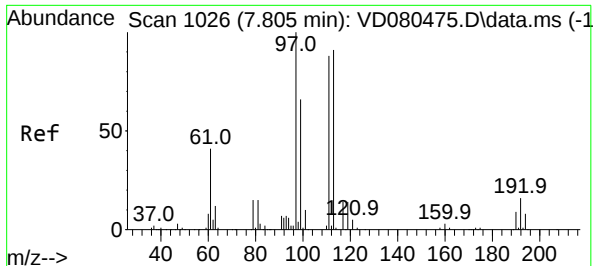
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.0

88 16.4 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.754 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

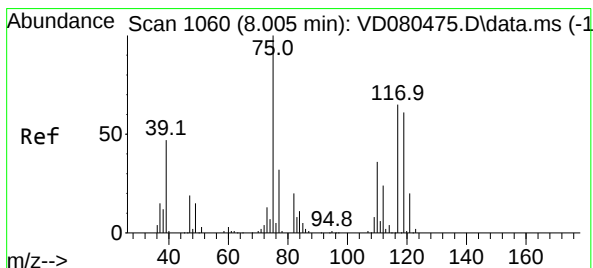
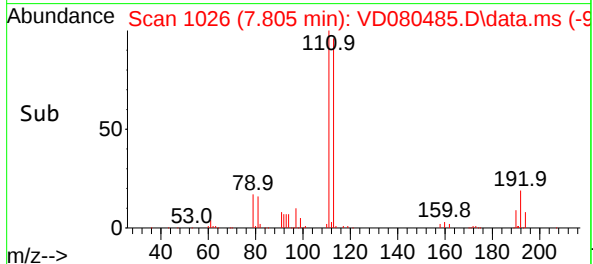
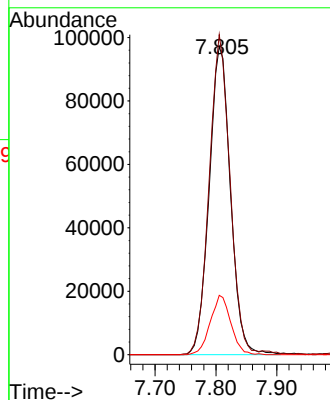
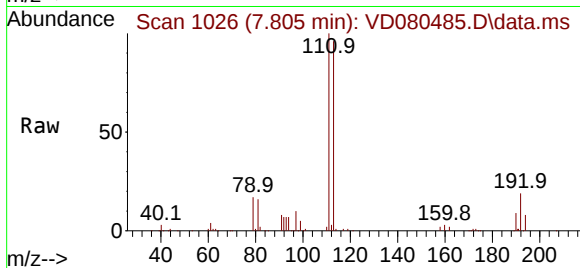
Tgt Ion:113 Resp: 235794

Ion Ratio Lower Upper

113 100

111 101.4 82.5 123.7

192 18.6 15.0 22.6



#36

1,1-Dichloropropene

Concen: 4.227 ug/l

RT: 8.011 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

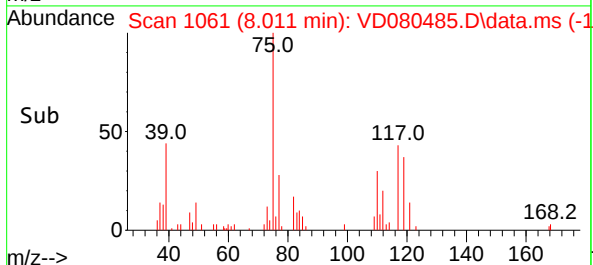
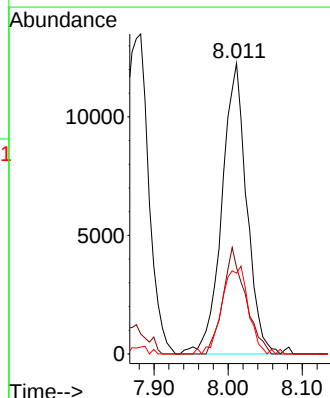
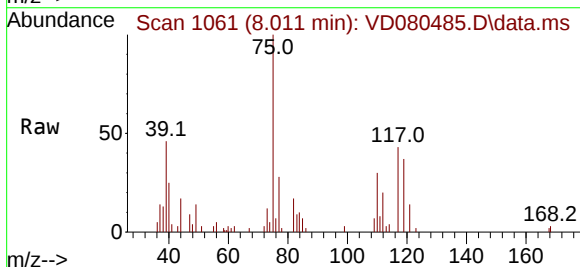
Tgt Ion: 75 Resp: 28432

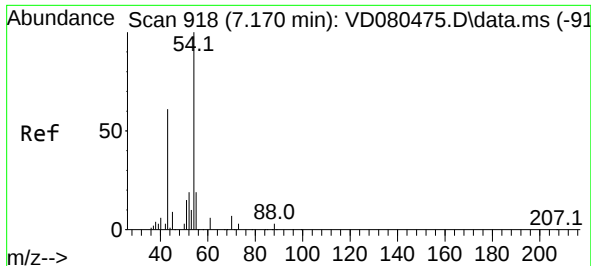
Ion Ratio Lower Upper

75 100

110 33.5 18.2 54.6

77 31.9 25.2 37.8





#37

Ethyl Acetate

Concen: 3.916 ug/l

RT: 7.164 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

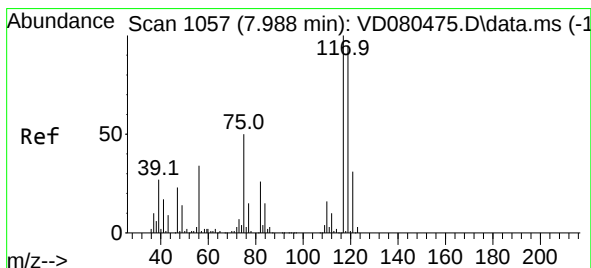
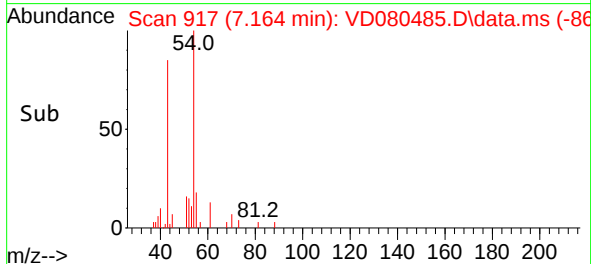
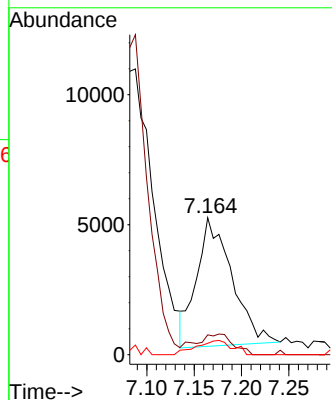
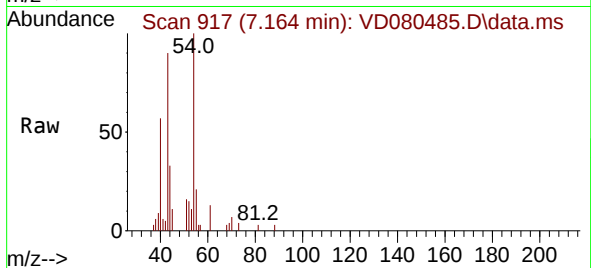
Tgt Ion: 43 Resp: 12801

Ion Ratio Lower Upper

43 100

61 17.0 12.2 18.2

70 11.2 9.2 13.8



#38

Carbon Tetrachloride

Concen: 3.950 ug/l

RT: 7.994 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

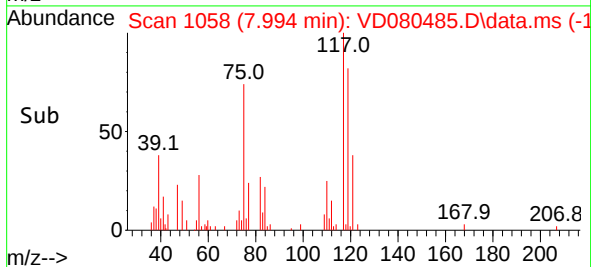
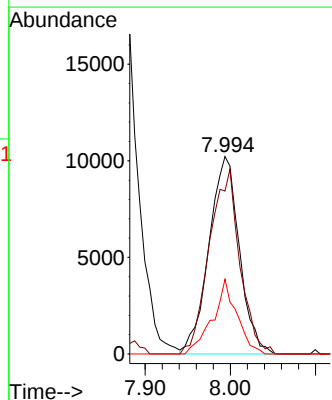
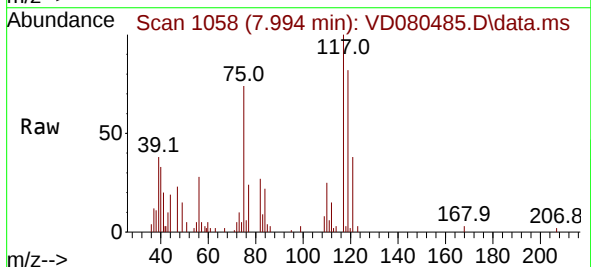
Tgt Ion: 117 Resp: 25382

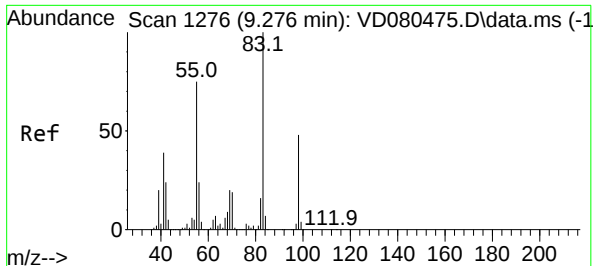
Ion Ratio Lower Upper

117 100

119 82.5 75.8 113.6

121 37.8 25.0 37.4





#39

Methylcyclohexane

Concen: 3.830 ug/l

RT: 9.276 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

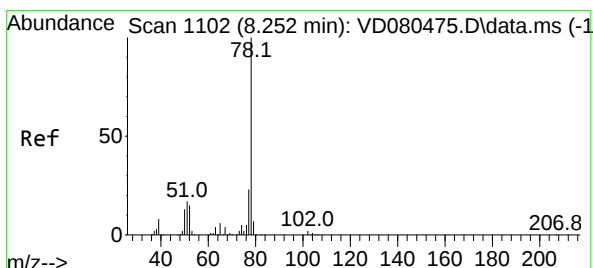
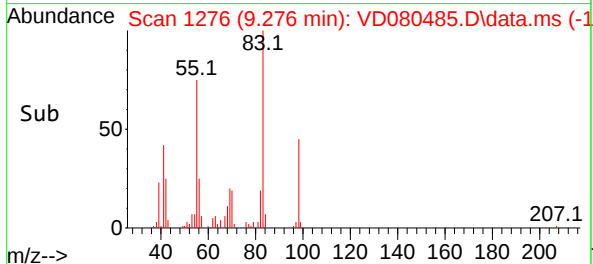
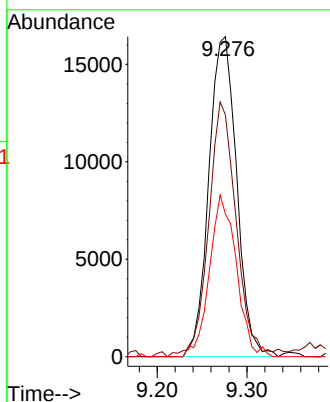
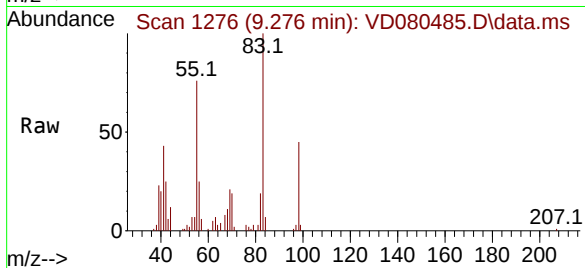
Tgt Ion: 83 Resp: 35470

Ion Ratio Lower Upper

83 100

55 74.4 59.8 89.8

98 44.6 38.2 57.2



#40

Benzene

Concen: 4.169 ug/l

RT: 8.252 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VD080485.D

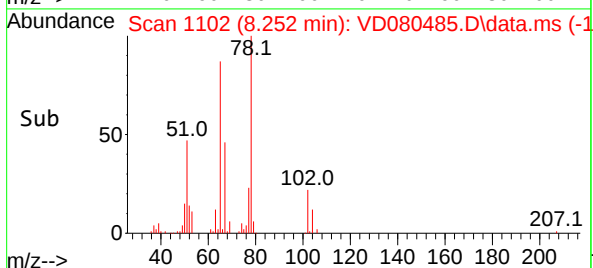
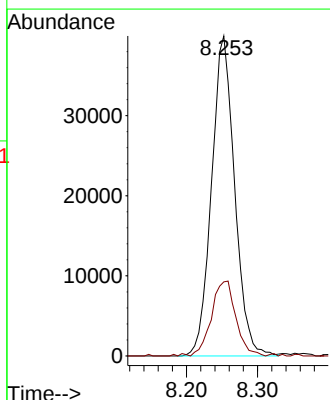
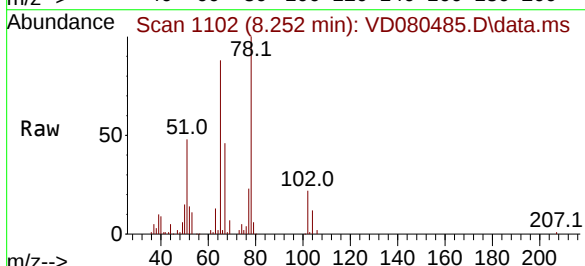
Acq: 26 Jun 2025 16:50

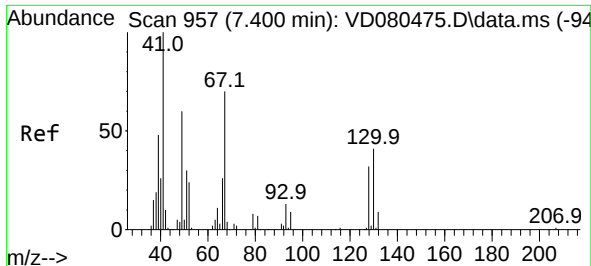
Tgt Ion: 78 Resp: 89991

Ion Ratio Lower Upper

78 100

77 23.2 18.6 28.0

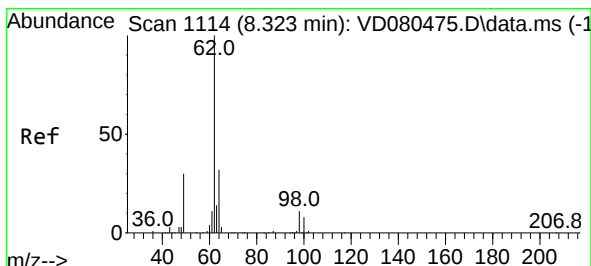
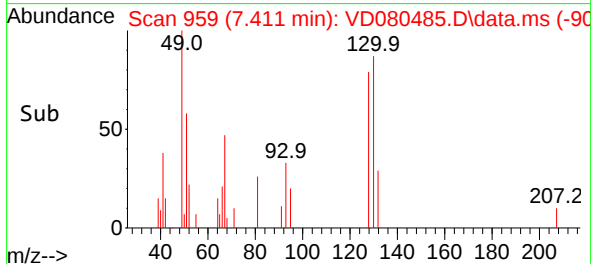
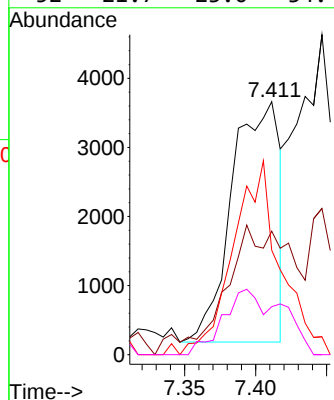
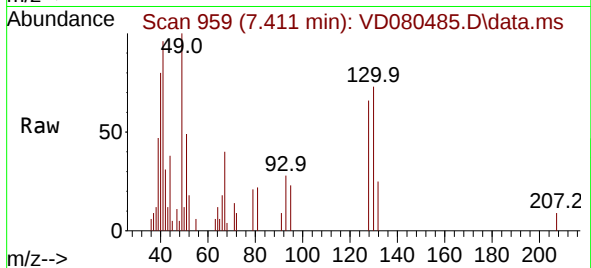




#41
Methacrylonitrile
Concen: 3.883 ug/l
RT: 7.411 min Scan# 911
Delta R.T. 0.012 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

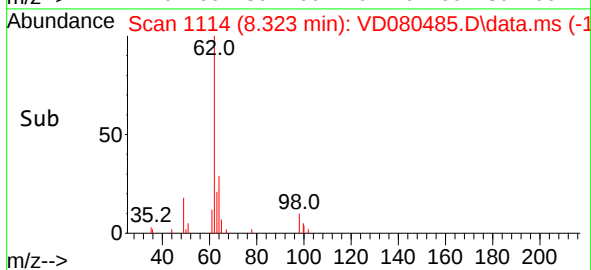
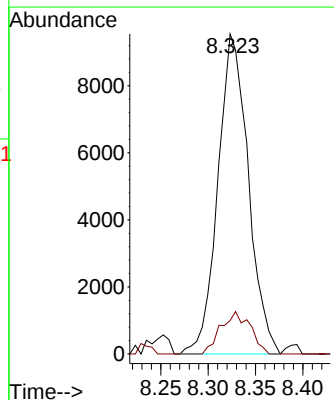
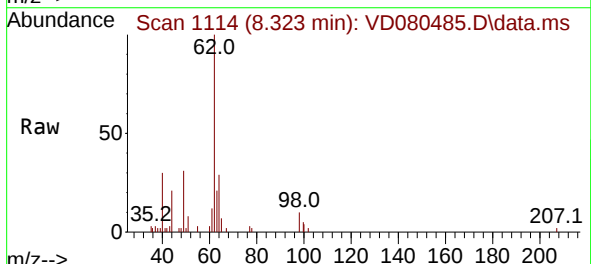
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

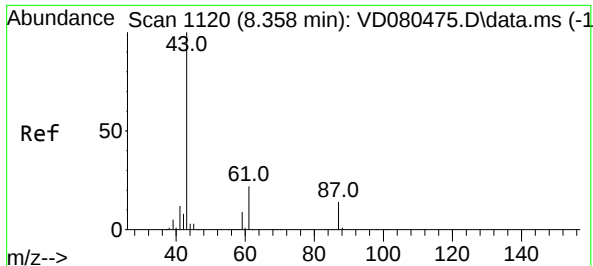
Tgt Ion:	41	Resp:	8113
Ion	Ratio	Lower	Upper
41	100		
39	32.2	43.4	65.0#
67	80.2	59.2	88.8
52	21.7	23.0	34.4#



#42
1,2-Dichloroethane
Concen: 4.202 ug/l
RT: 8.323 min Scan# 1114
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion:	62	Resp:	21340
Ion	Ratio	Lower	Upper
62	100		
98	12.8	0.0	22.0

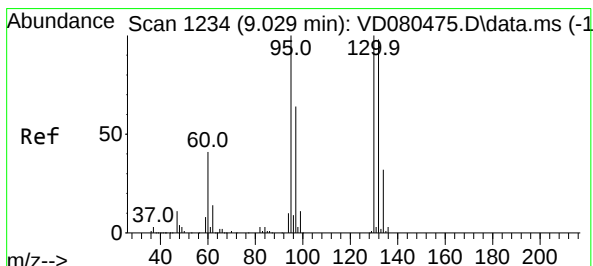
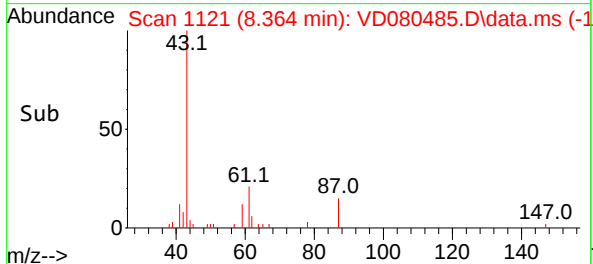
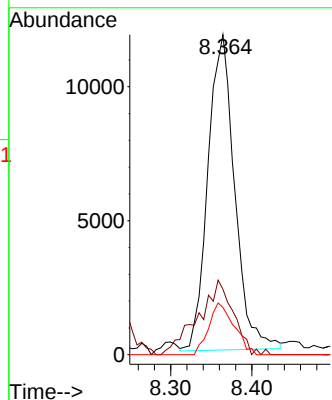
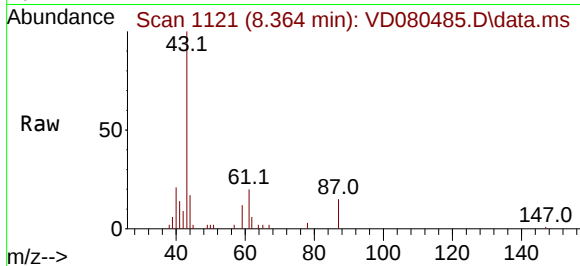




#43
Isopropyl Acetate
Concen: 4.194 ug/l
RT: 8.364 min Scan# 1121
Delta R.T. 0.006 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

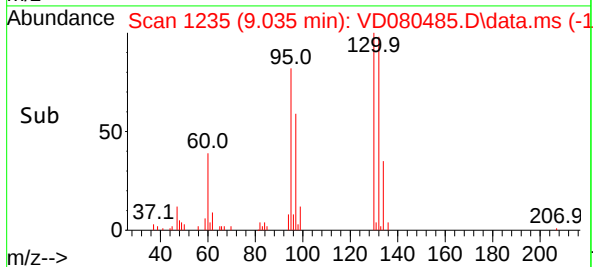
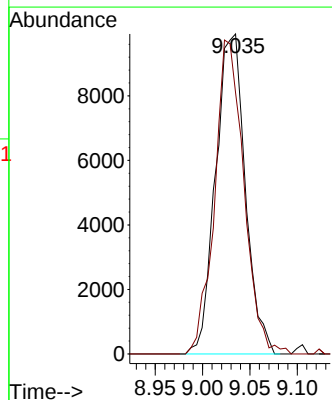
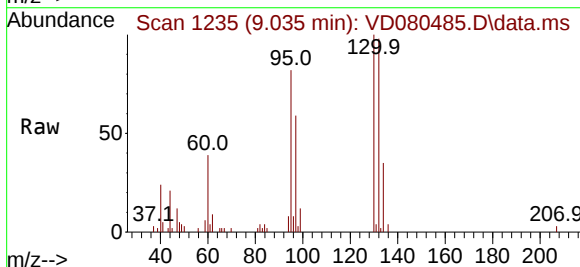
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

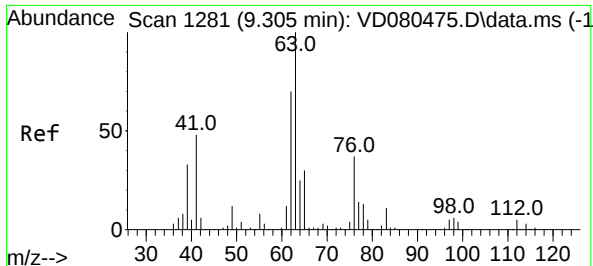
Tgt Ion:	43	Resp:	26982
Ion	Ratio	Lower	Upper
43	100		
61	31.1	24.4	36.6
87	15.5	11.4	17.2



#44
Trichloroethene
Concen: 4.137 ug/l
RT: 9.035 min Scan# 1235
Delta R.T. 0.006 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion:	130	Resp:	21645
Ion	Ratio	Lower	Upper
130	100		
95	81.7	0.0	200.6





#45

1,2-Dichloropropane

Concen: 4.347 ug/l

RT: 9.300 min Scan# 1281

Delta R.T. -0.006 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

Instrument :

MSVOA_D

ClientSampleId :

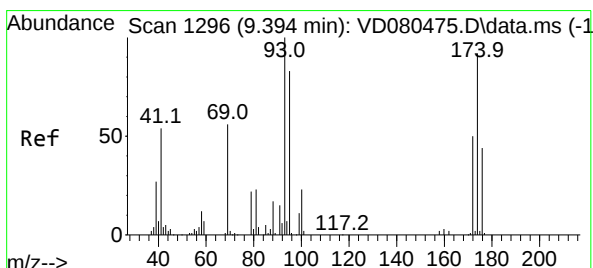
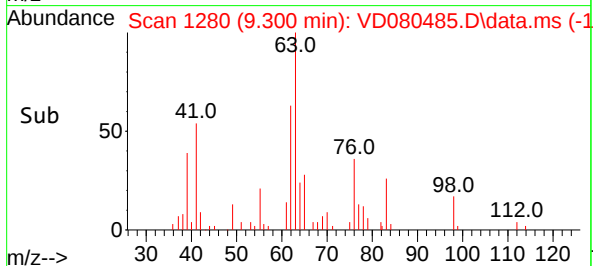
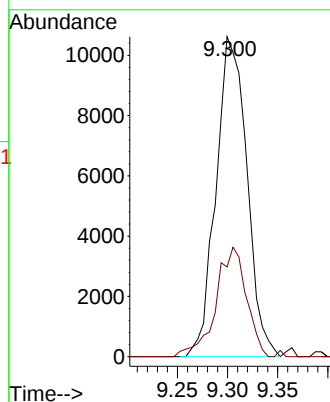
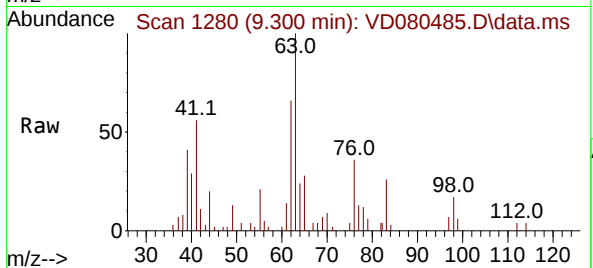
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 63 Resp: 22758

Ion Ratio Lower Upper

63 100

65 26.4 24.0 36.0



#46

Dibromomethane

Concen: 4.309 ug/l

RT: 9.394 min Scan# 1296

Delta R.T. 0.000 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

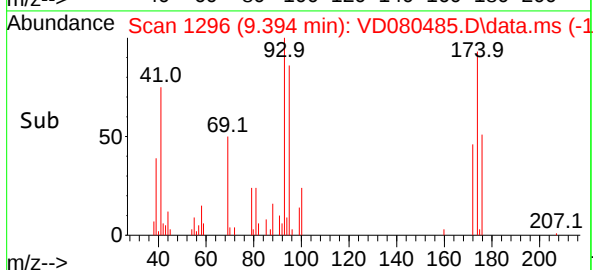
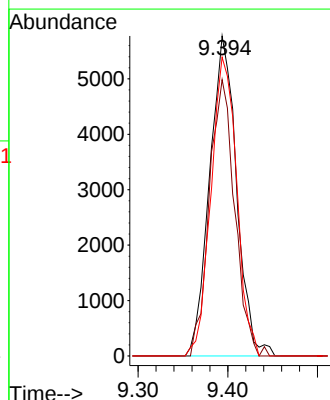
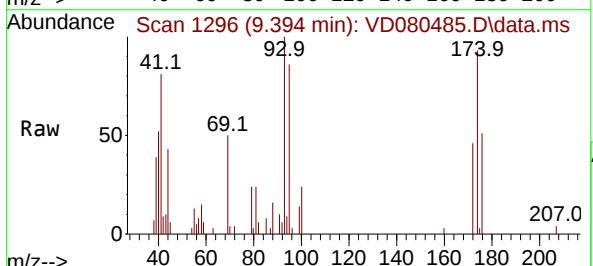
Tgt Ion: 93 Resp: 12029

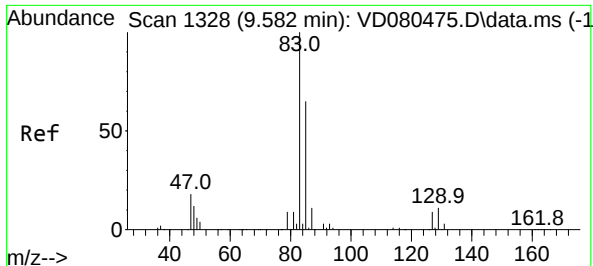
Ion Ratio Lower Upper

93 100

95 81.4 66.2 99.4

174 89.2 75.4 113.0

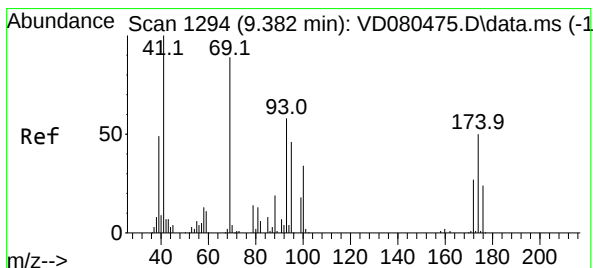
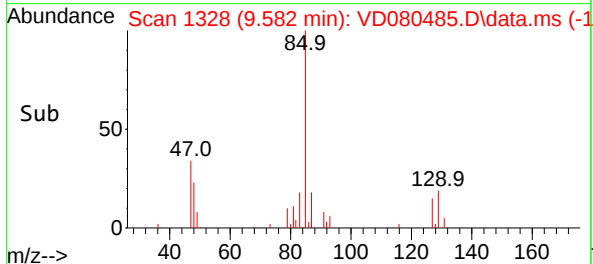
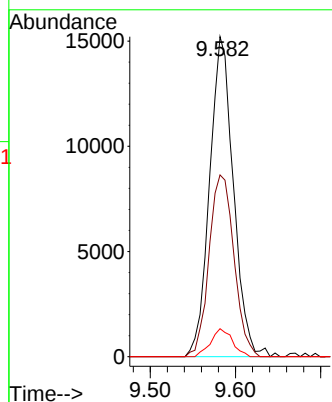
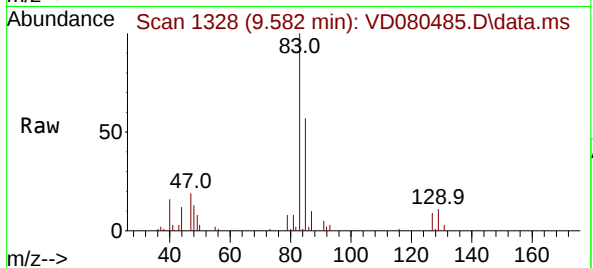




#47
Bromodichloromethane
Concen: 4.279 ug/l
RT: 9.582 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

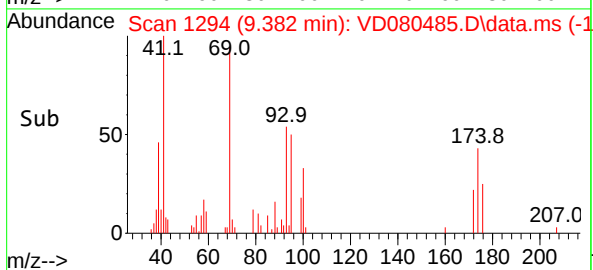
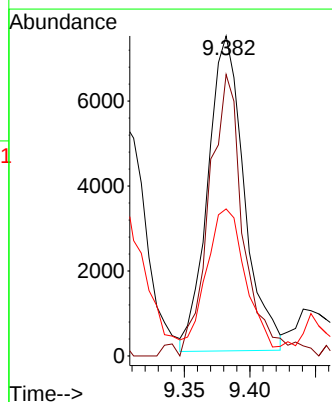
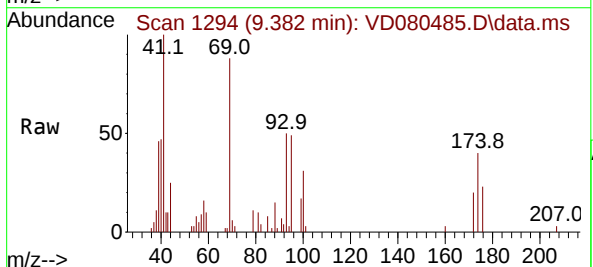
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

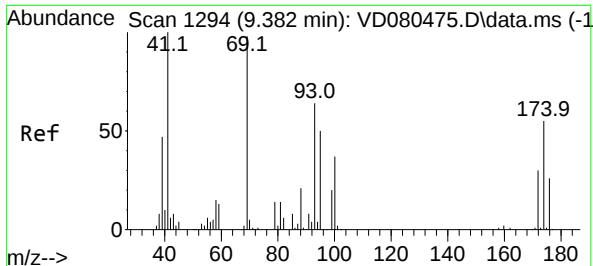
Tgt Ion: 83	Resp:	29609
Ion	Ratio	Lower Upper
83	100	
85	56.8	52.2 78.2
127	8.8	6.9 10.3



#48
Methyl methacrylate
Concen: 4.395 ug/l
RT: 9.382 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion: 41	Resp:	14304
Ion	Ratio	Lower Upper
41	100	
69	86.7	70.2 105.4
39	49.2	40.2 60.2





#49

1,4-Dioxane

Concen: 75.391 ug/l

RT: 9.388 min Scan# 1294

Delta R.T. 0.006 min

Lab File: VD080485.D

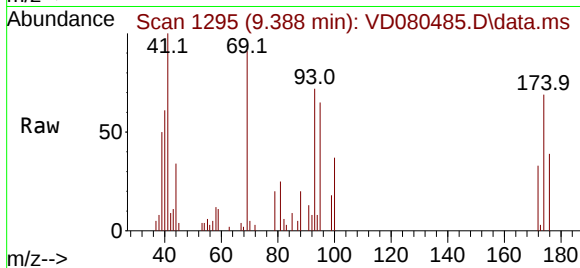
Acq: 26 Jun 2025 16:50

Instrument :

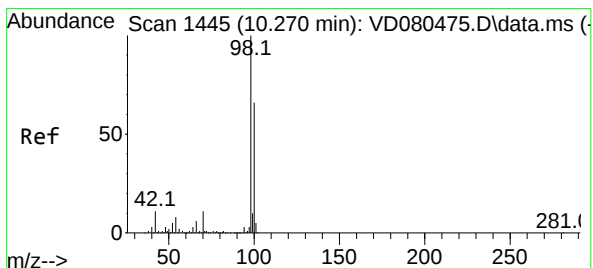
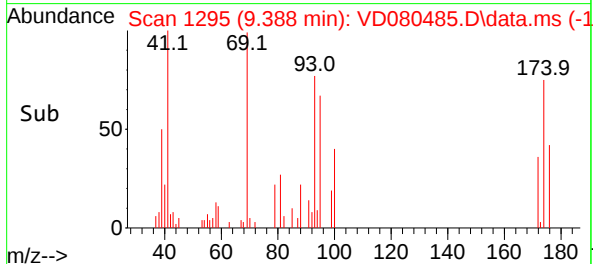
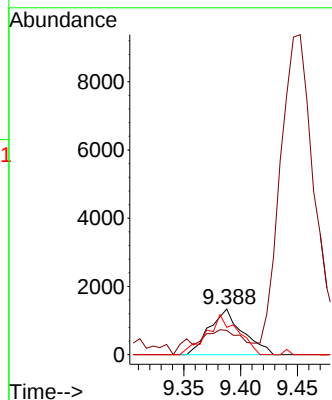
MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:	88	Resp:	2730
Ion Ratio	Lower	Upper	
88	100		
43	77.0	26.7	40.1#
58	82.3	56.4	84.6



#50

Toluene-d8

Concen: 54.486 ug/l

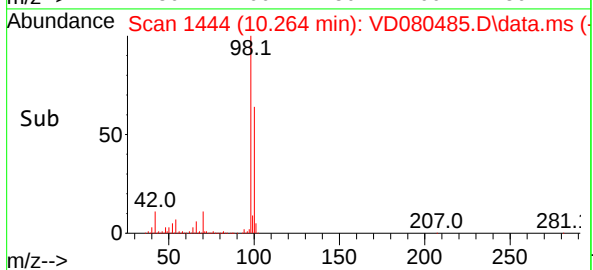
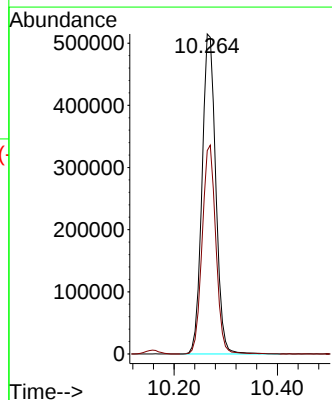
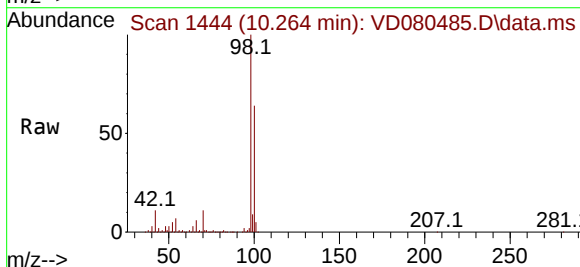
RT: 10.264 min Scan# 1444

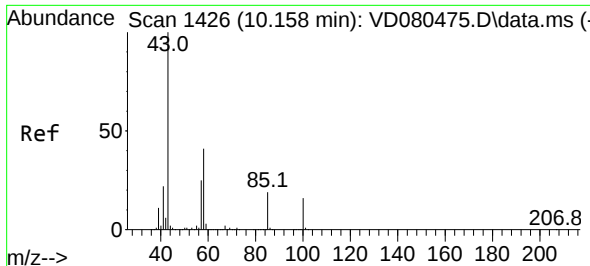
Delta R.T. -0.006 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

Tgt Ion:	98	Resp:	947905
Ion Ratio	Lower	Upper	
98	100		
100	64.9	52.2	78.4

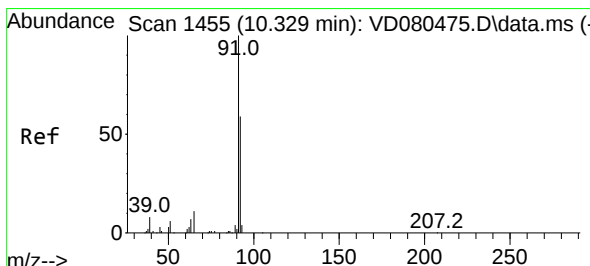
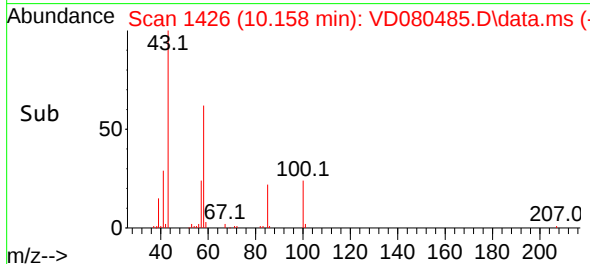
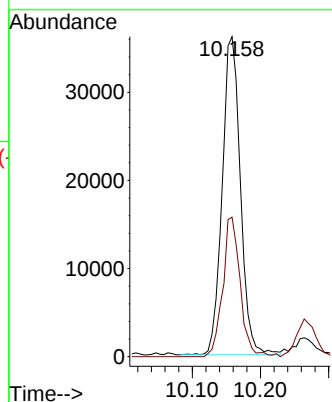
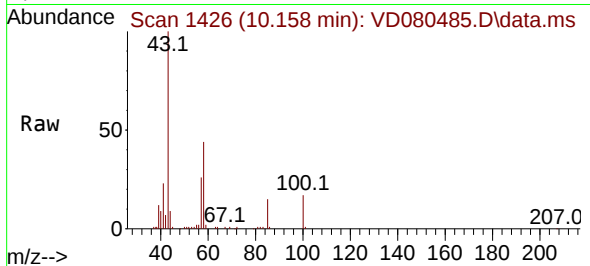




#51
4-Methyl-2-Pentanone
Concen: 20.557 ug/l
RT: 10.158 min Scan# 1426
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

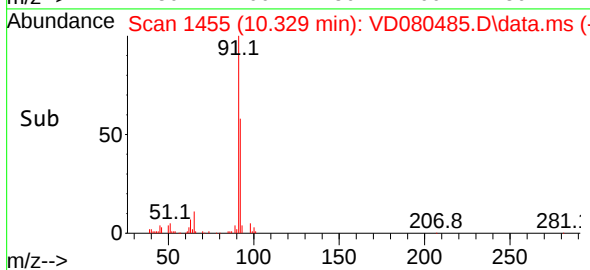
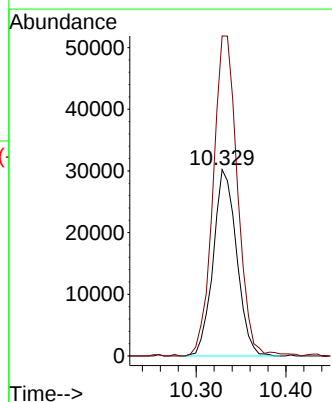
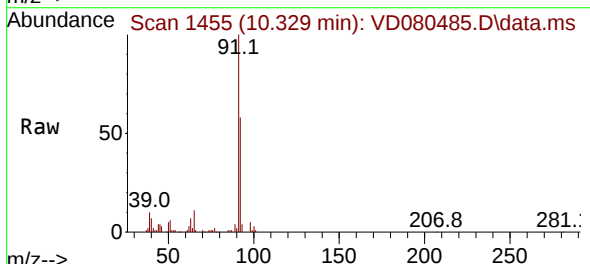
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

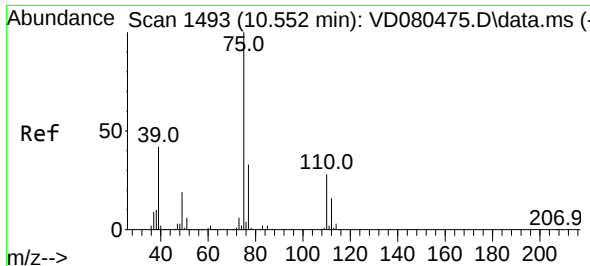
Tgt Ion: 43 Resp: 67157
Ion Ratio Lower Upper
43 100
58 41.8 33.3 49.9



#52
Toluene
Concen: 4.056 ug/l
RT: 10.329 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion: 92 Resp: 54730
Ion Ratio Lower Upper
92 100
91 179.1 137.1 205.7

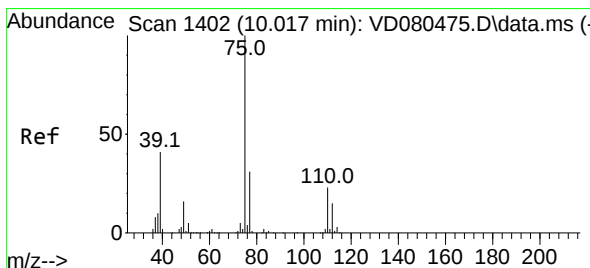
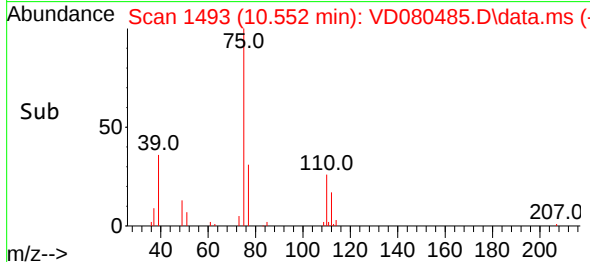
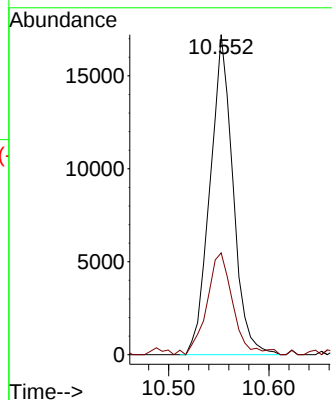
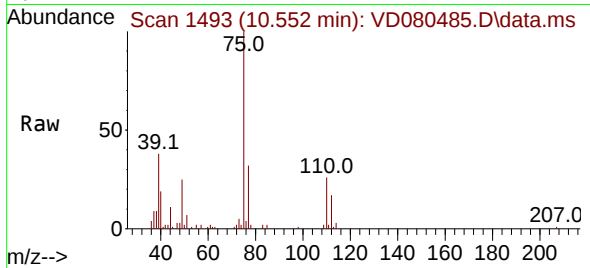




#53
 t-1,3-Dichloropropene
 Concen: 3.961 ug/l
 RT: 10.552 min Scan# 1493
 Delta R.T. 0.000 min
 Lab File: VD080485.D
 Acq: 26 Jun 2025 16:50

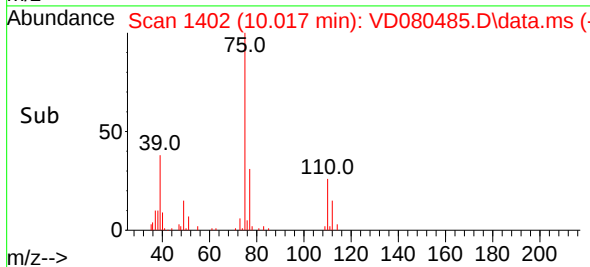
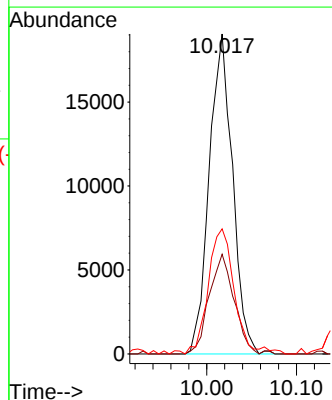
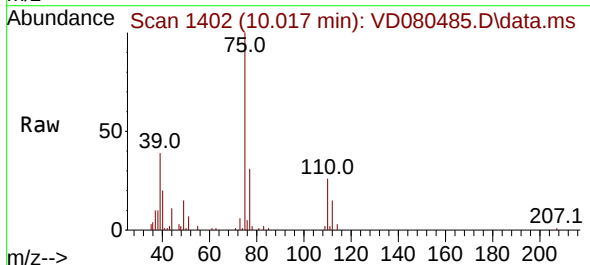
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

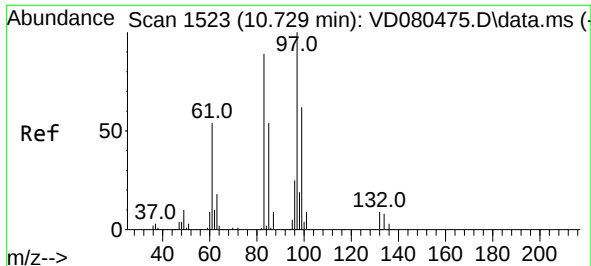
Tgt Ion: 75 Resp: 27454
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 4.134 ug/l
 RT: 10.017 min Scan# 1402
 Delta R.T. 0.000 min
 Lab File: VD080485.D
 Acq: 26 Jun 2025 16:50

Tgt Ion: 75 Resp: 34423
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.9 37.3
 39 38.2 32.5 48.7

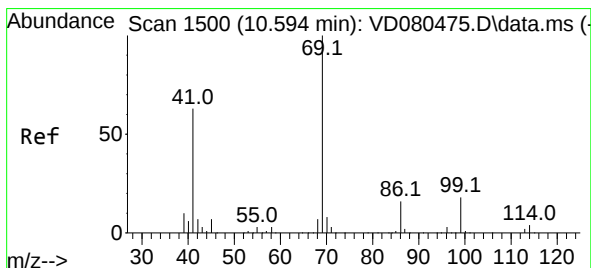
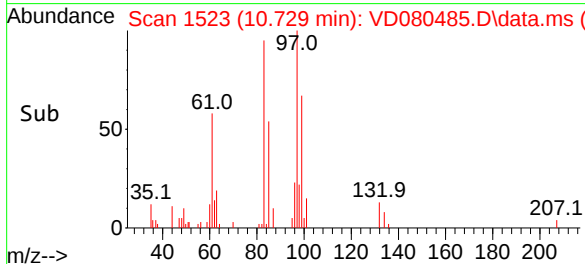
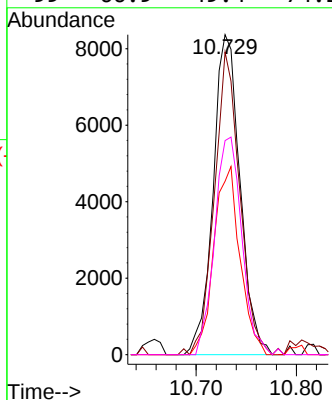
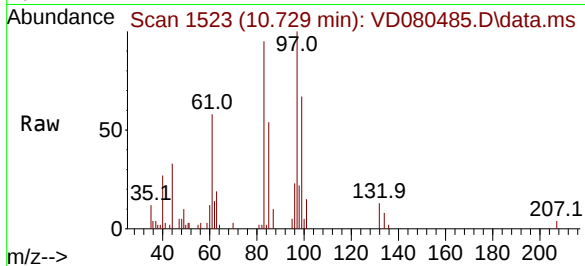




#55
1,1,2-Trichloroethane
Concen: 4.094 ug/l
RT: 10.729 min Scan# 1523
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

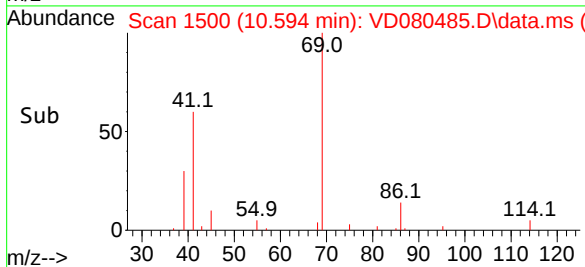
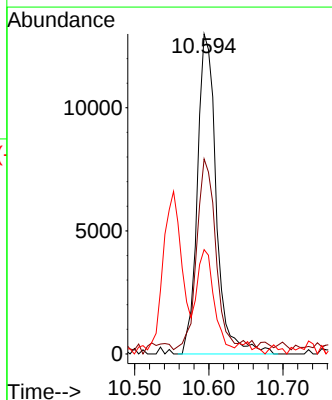
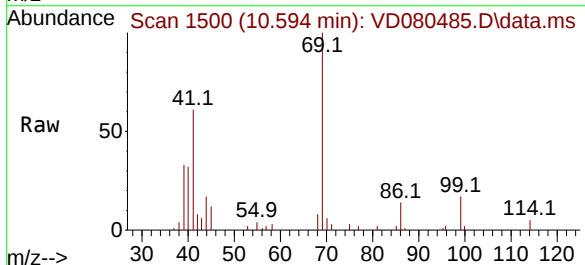
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

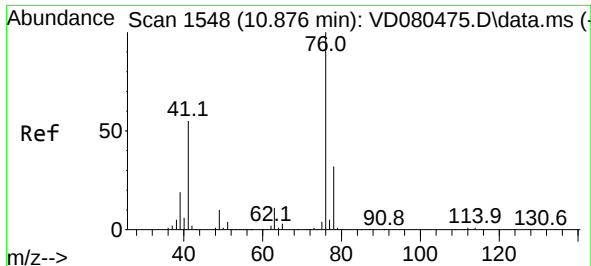
Tgt Ion:	97	Resp:	15578
Ion	Ratio	Lower	Upper
97	100		
83	94.6	71.4	107.2
85	54.2	43.4	65.2
99	66.9	49.4	74.2



#56
Ethyl methacrylate
Concen: 4.236 ug/l
RT: 10.594 min Scan# 1500
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion:	69	Resp:	23010
Ion	Ratio	Lower	Upper
69	100		
41	60.3	50.7	76.1
39	30.5	23.4	35.2





#57

1,3-Dichloropropane

Concen: 4.330 ug/l

RT: 10.876 min Scan# 1548

Delta R.T. 0.000 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

Instrument :

MSVOA_D

ClientSampleId :

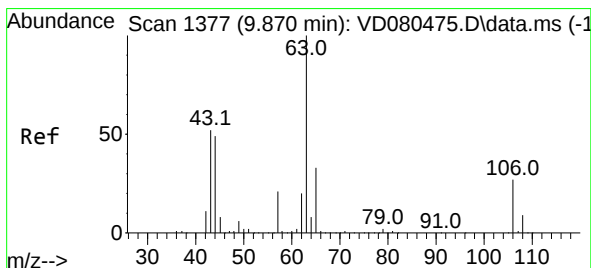
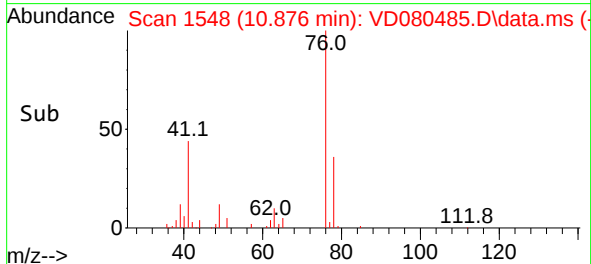
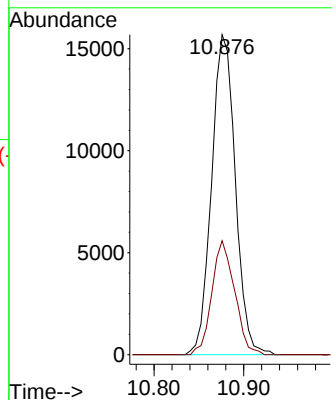
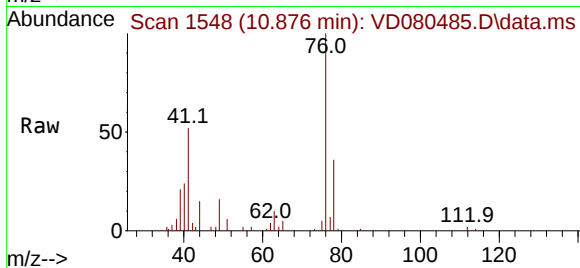
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 76 Resp: 28831

Ion Ratio Lower Upper

76 100

78 34.2 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 21.961 ug/l

RT: 9.870 min Scan# 1377

Delta R.T. 0.000 min

Lab File: VD080485.D

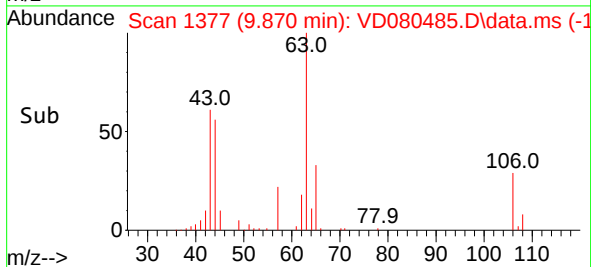
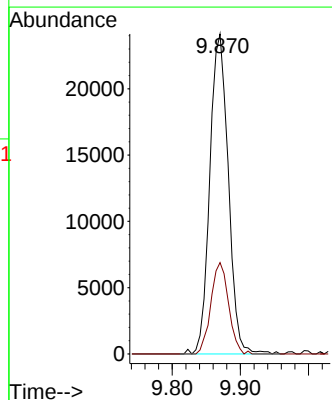
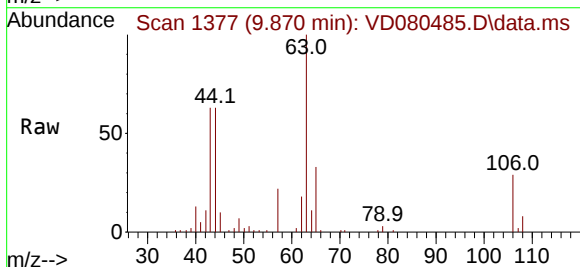
Acq: 26 Jun 2025 16:50

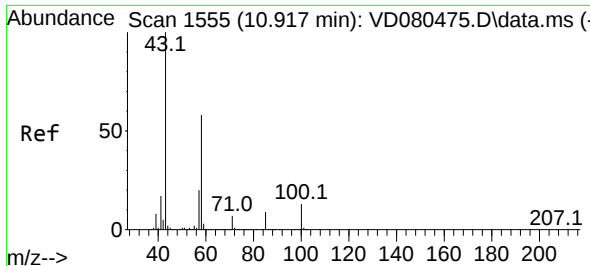
Tgt Ion: 63 Resp: 45555

Ion Ratio Lower Upper

63 100

106 27.3 21.7 32.5

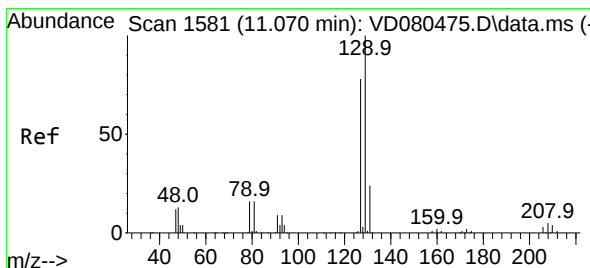
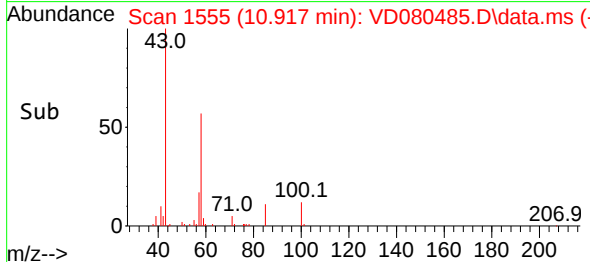
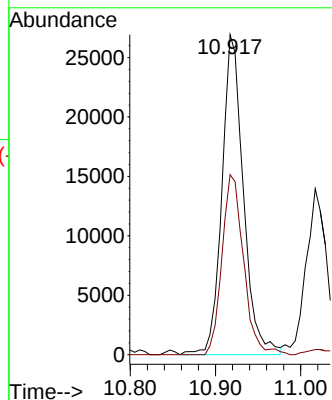
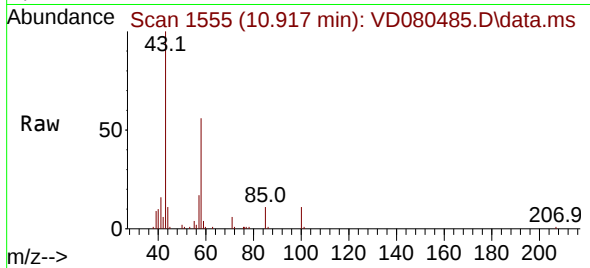




#59
2-Hexanone
Concen: 20.345 ug/l
RT: 10.917 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

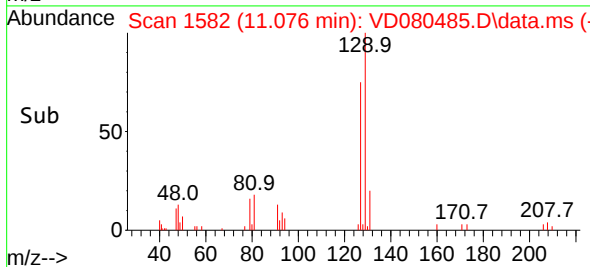
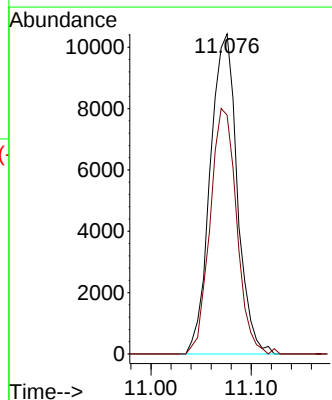
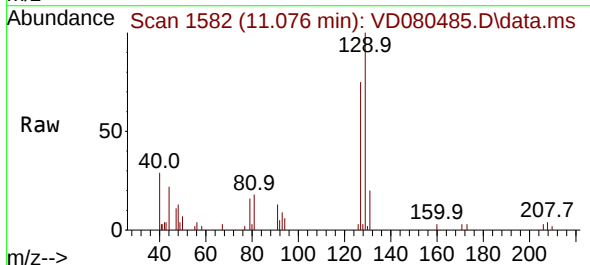
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

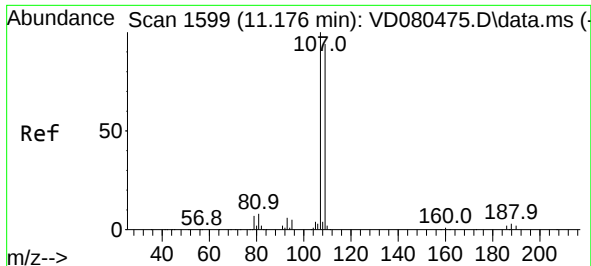
Tgt Ion: 43 Resp: 47041
Ion Ratio Lower Upper
43 100
58 56.6 29.0 87.1



#60
Dibromochloromethane
Concen: 4.163 ug/l
RT: 11.076 min Scan# 1582
Delta R.T. 0.006 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion: 129 Resp: 19554
Ion Ratio Lower Upper
129 100
127 75.3 38.4 115.2

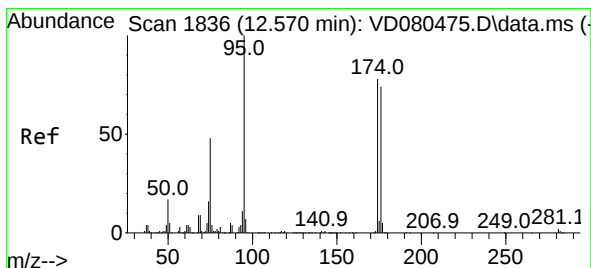
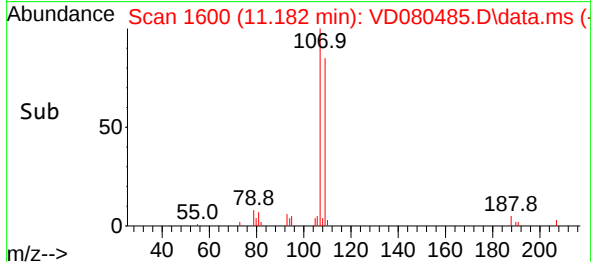
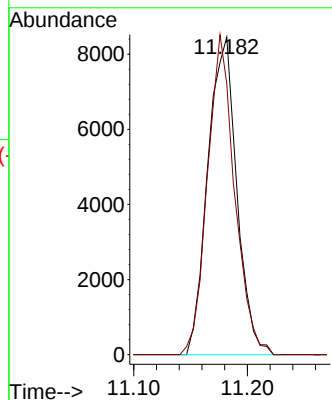
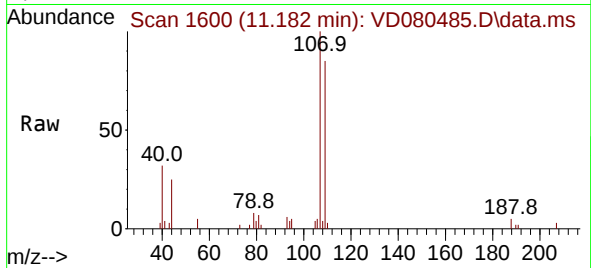




#61
1,2-Dibromoethane
Concen: 4.119 ug/l
RT: 11.182 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

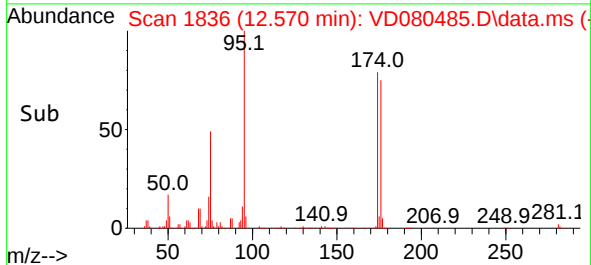
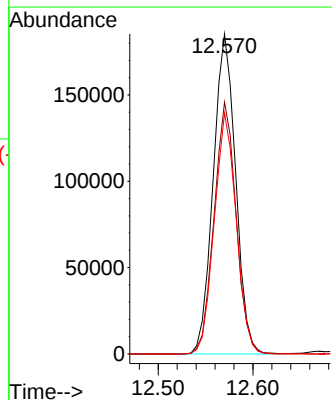
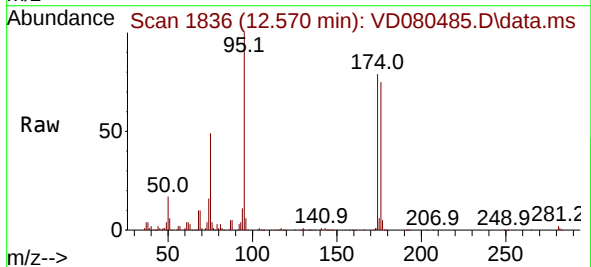
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

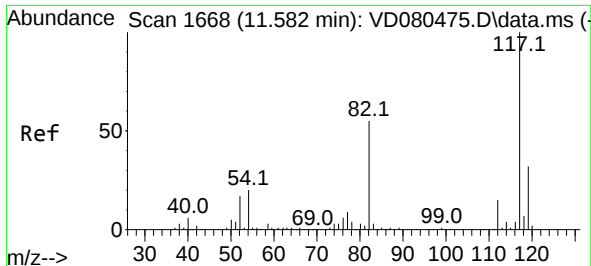
Tgt Ion:107 Resp: 14985
Ion Ratio Lower Upper
107 100
109 94.3 75.4 113.0



#62
4-Bromofluorobenzene
Concen: 53.375 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion: 95 Resp: 304475
Ion Ratio Lower Upper
95 100
174 77.4 0.0 154.0
176 73.7 0.0 149.6

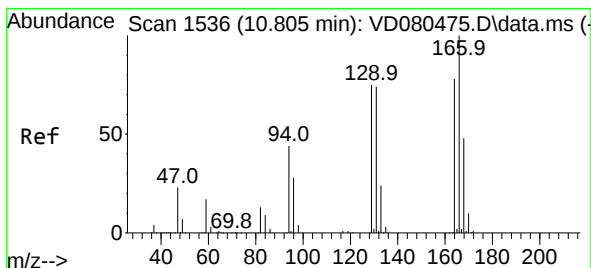
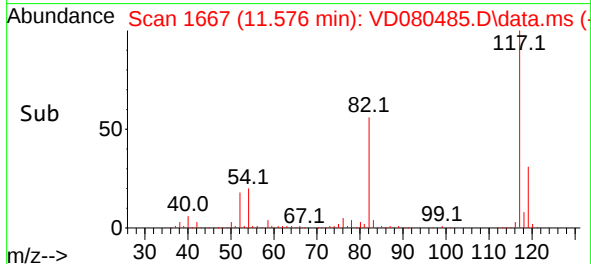
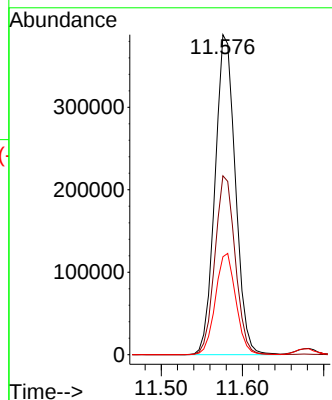
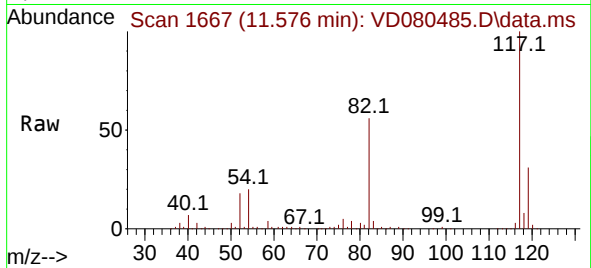




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.576 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

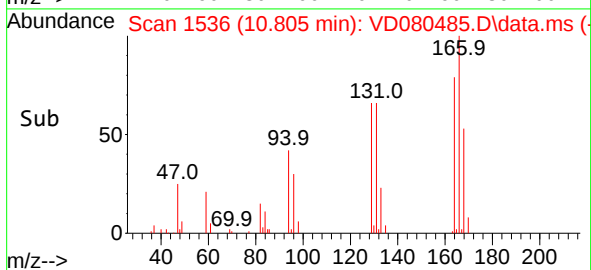
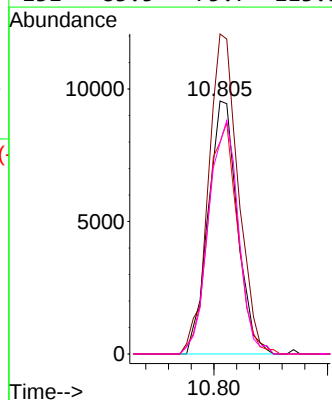
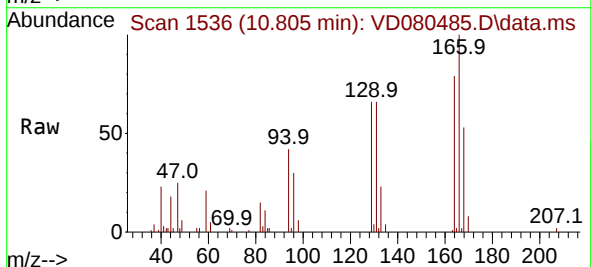
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

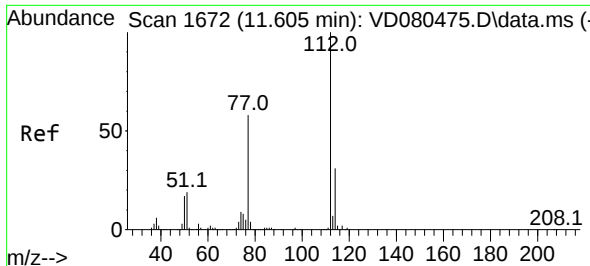
Tgt Ion:117 Resp: 676780
Ion Ratio Lower Upper
117 100
82 55.9 43.7 65.5
119 30.6 25.8 38.6



#64
Tetrachloroethene
Concen: 4.060 ug/l
RT: 10.805 min Scan# 1536
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion:164 Resp: 17054
Ion Ratio Lower Upper
164 100
166 126.5 102.6 153.8
129 83.7 76.6 115.0
131 83.5 75.7 113.5

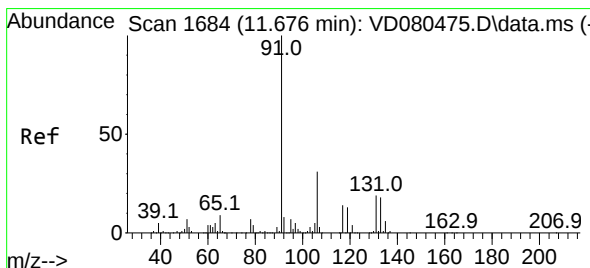
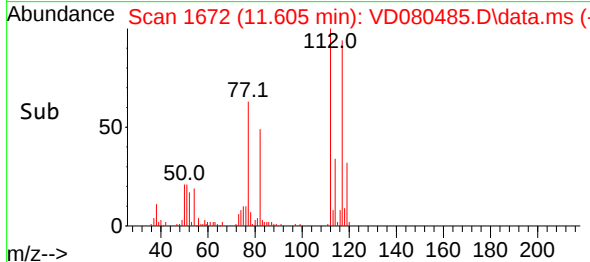
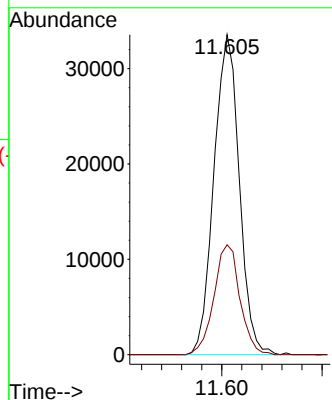
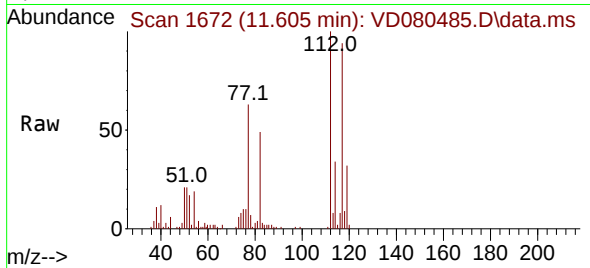




#65
Chlorobenzene
Concen: 4.028 ug/l
RT: 11.605 min Scan# 1672
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

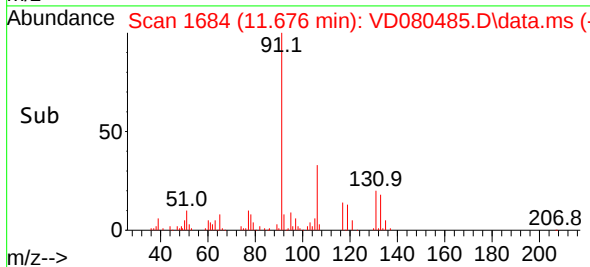
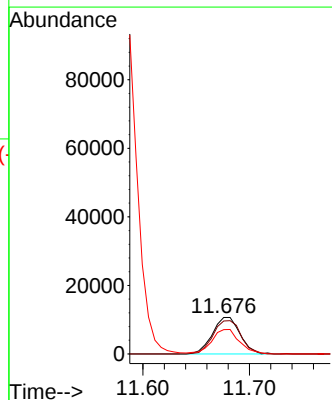
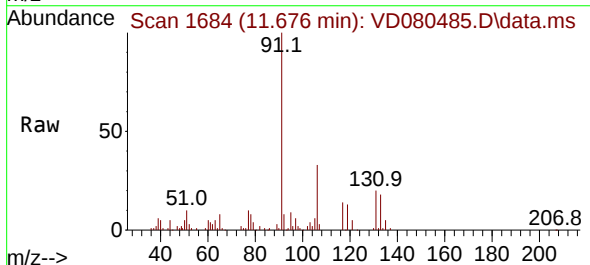
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

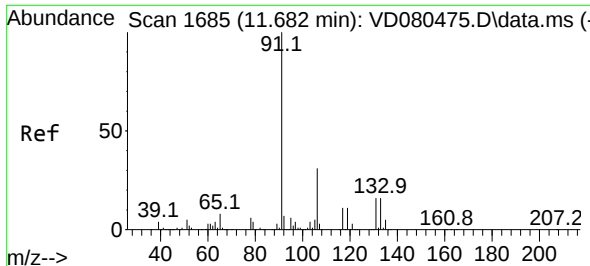
Tgt Ion:112 Resp: 58801
Ion Ratio Lower Upper
112 100
114 34.3 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 4.172 ug/l
RT: 11.676 min Scan# 1684
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion:131 Resp: 19140
Ion Ratio Lower Upper
131 100
133 93.0 47.3 141.8
119 67.1 34.9 104.7





#67

Ethyl Benzene

Concen: 4.014 ug/l

RT: 11.682 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

Instrument :

MSVOA_D

ClientSampleId :

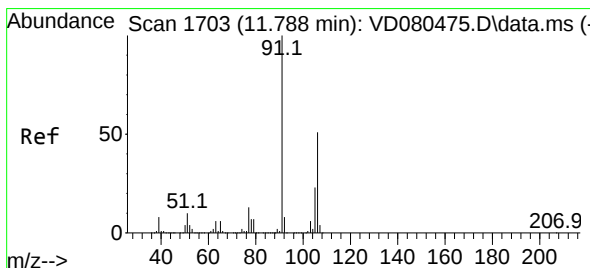
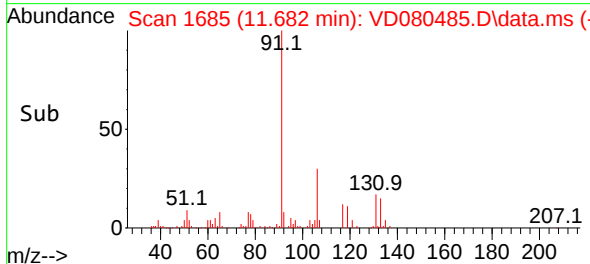
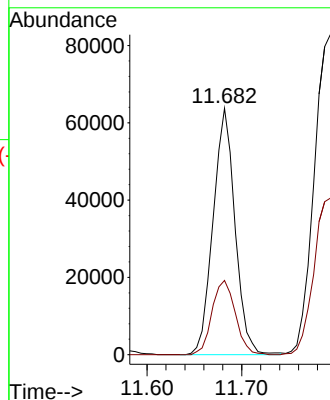
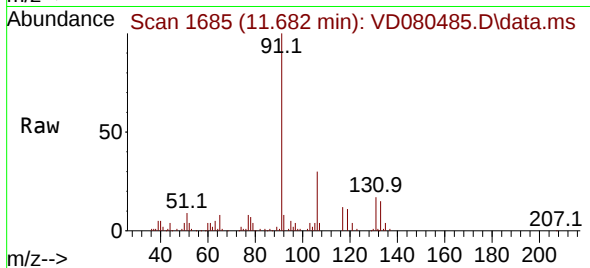
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 91 Resp: 102478

Ion Ratio Lower Upper

91 100

106 30.1 25.0 37.4



#68

m/p-Xylenes

Concen: 8.103 ug/l

RT: 11.793 min Scan# 1704

Delta R.T. 0.006 min

Lab File: VD080485.D

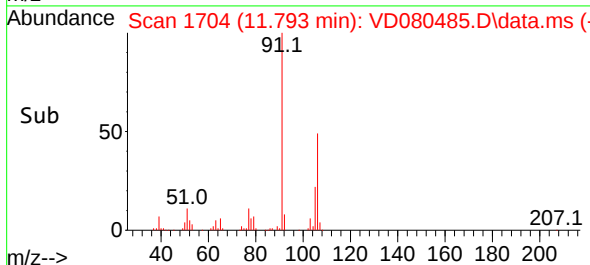
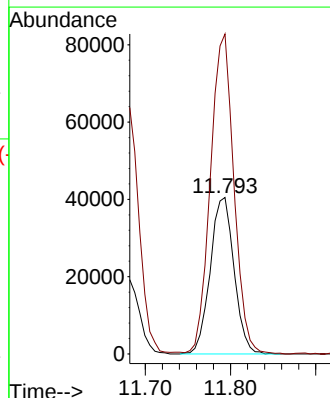
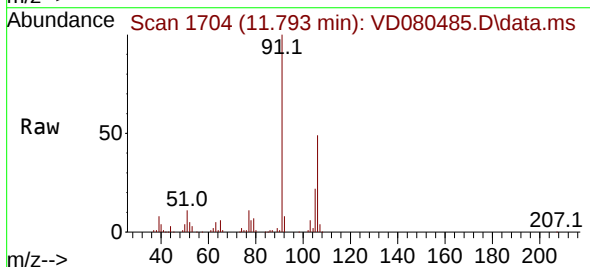
Acq: 26 Jun 2025 16:50

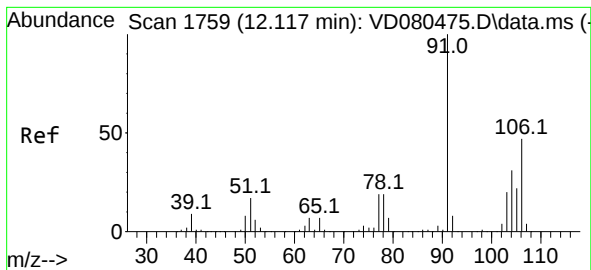
Tgt Ion:106 Resp: 78776

Ion Ratio Lower Upper

106 100

91 201.7 159.9 239.9





#69

o-Xylene

Concen: 4.050 ug/l

RT: 12.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

Instrument :

MSVOA_D

ClientSampleId :

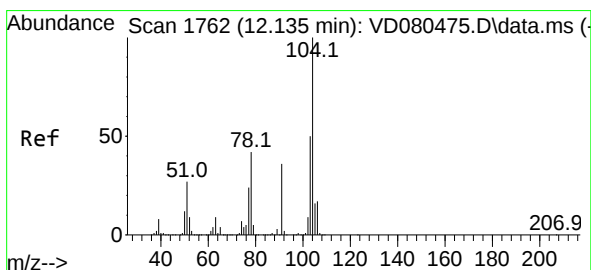
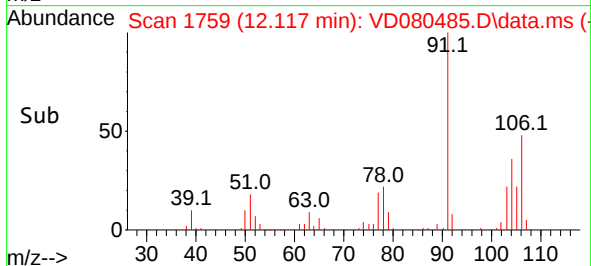
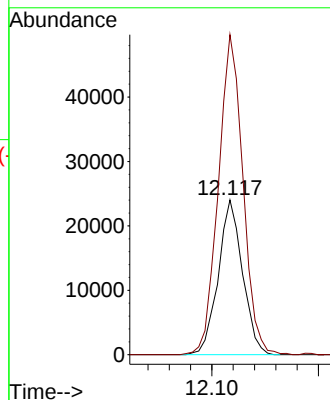
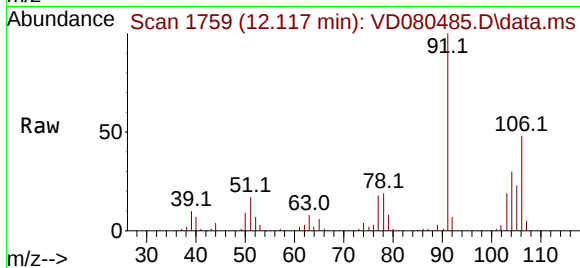
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:106 Resp: 37997

Ion Ratio Lower Upper

106 100

91 209.3 106.5 319.6



#70

Styrene

Concen: 4.085 ug/l

RT: 12.129 min Scan# 1761

Delta R.T. -0.006 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

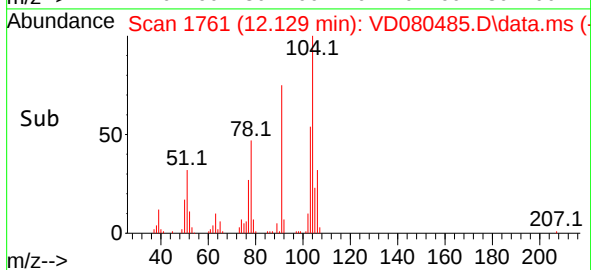
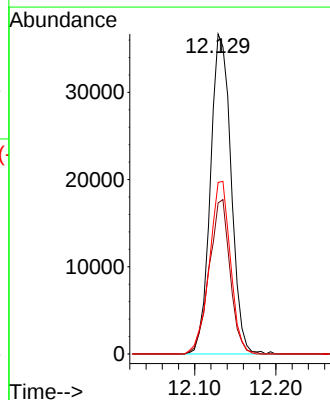
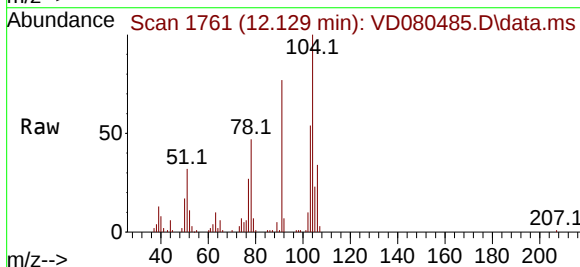
Tgt Ion:104 Resp: 64822

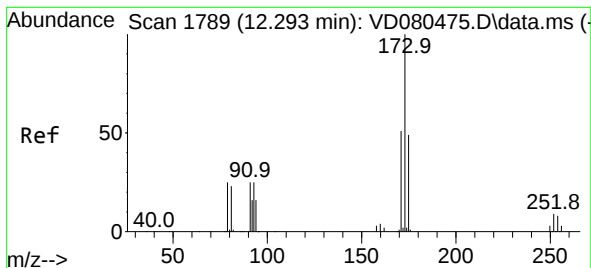
Ion Ratio Lower Upper

104 100

78 48.9 38.5 57.7

103 54.9 44.1 66.1





#71

Bromoform

Concen: 3.999 ug/l

RT: 12.299 min Scan# 1789

Delta R.T. 0.006 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

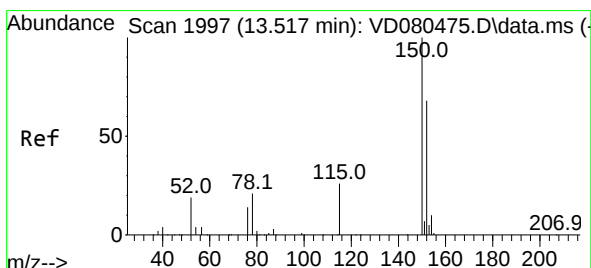
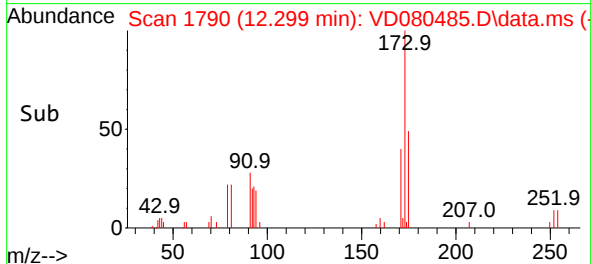
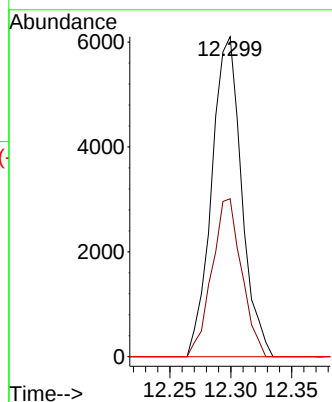
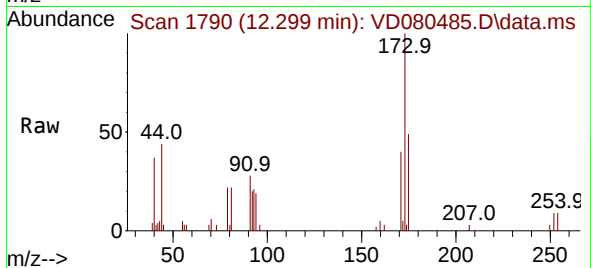
Tgt Ion:173 Resp: 10447

Ion Ratio Lower Upper

173 100

175 49.0 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: VD080485.D

Acq: 26 Jun 2025 16:50

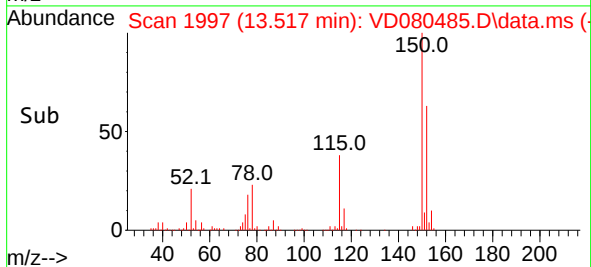
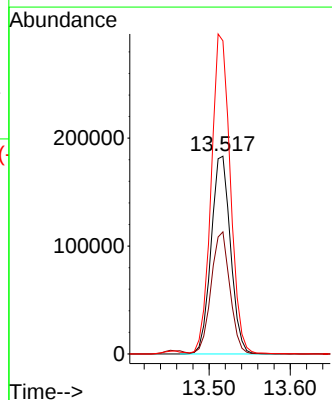
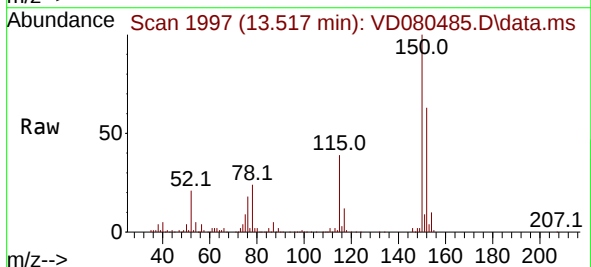
Tgt Ion:152 Resp: 303593

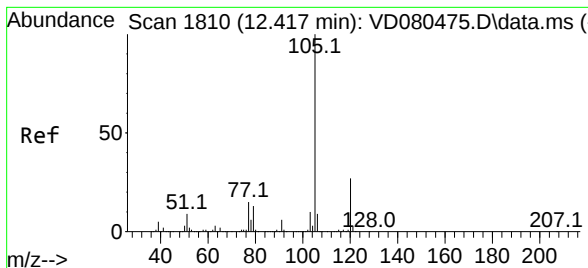
Ion Ratio Lower Upper

152 100

115 60.1 30.2 90.6

150 159.8 0.0 350.2





#73

Isopropylbenzene

Concen: 3.928 ug/l

RT: 12.417 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

Instrument :

MSVOA_D

ClientSampleId :

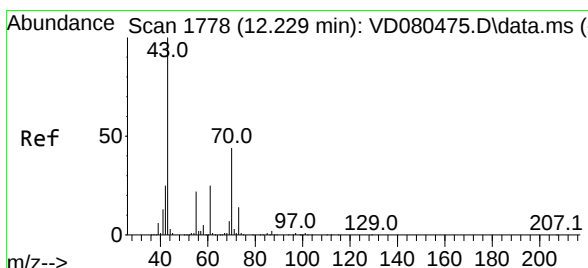
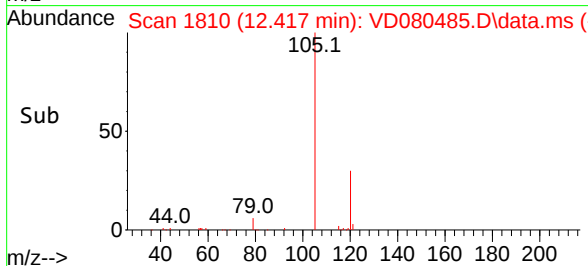
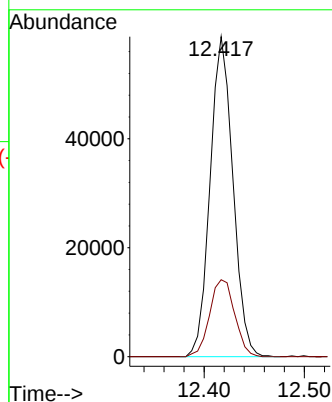
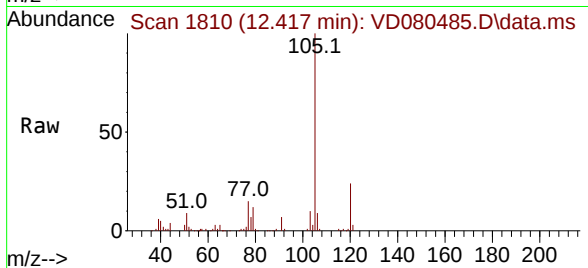
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:105 Resp: 92698

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9



#74

N-ethyl acetate

Concen: 4.277 ug/l

RT: 12.229 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

Tgt Ion: 43 Resp: 26429

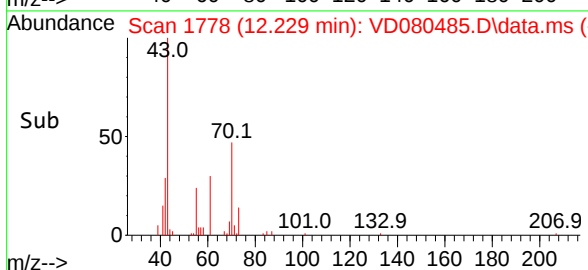
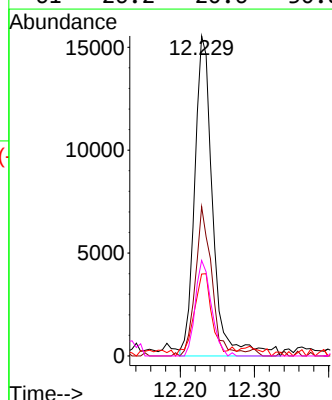
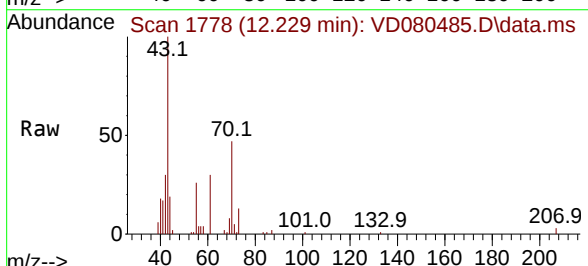
Ion Ratio Lower Upper

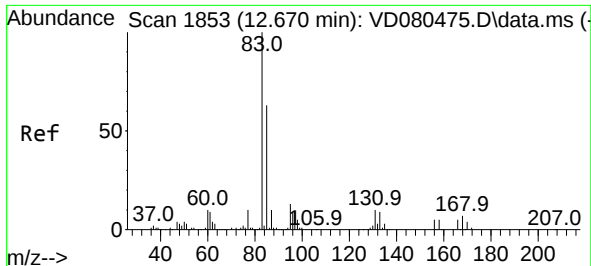
43 100

70 42.4 35.4 53.2

55 25.2 18.8 28.2

61 26.2 20.6 30.8

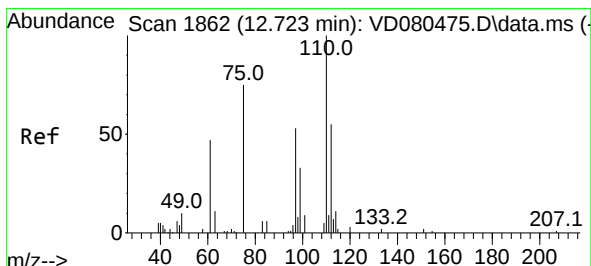
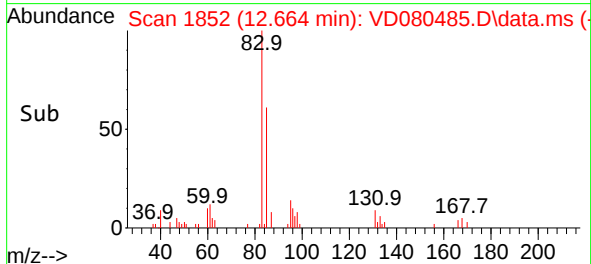
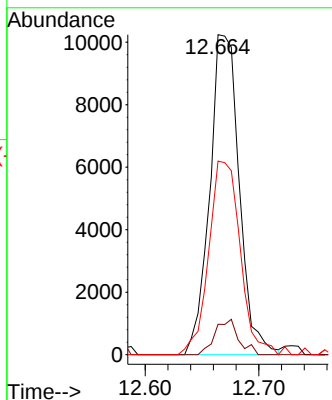
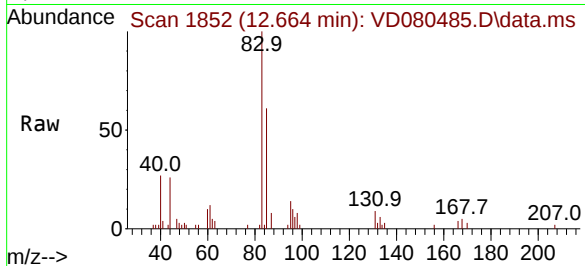




#75
1,1,2-Tetrachloroethane
Concen: 4.215 ug/l
RT: 12.664 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

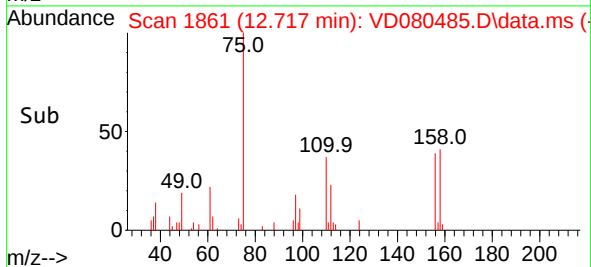
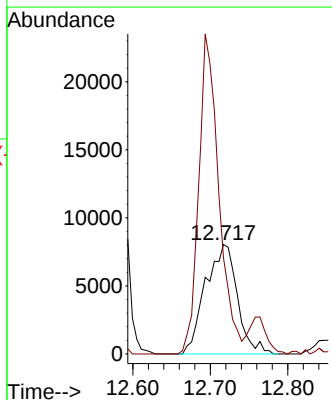
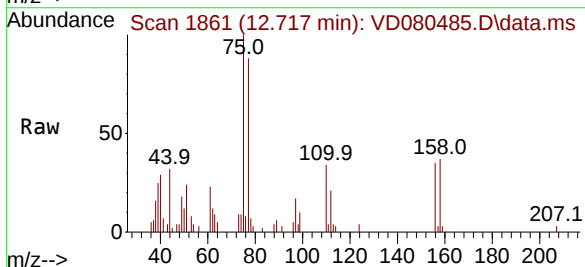
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

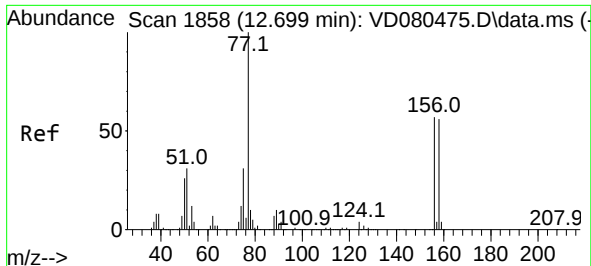
Tgt Ion: 83 Resp: 18522
Ion Ratio Lower Upper
83 100
131 8.8 4.8 14.3
85 64.7 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 8.895 ug/l
RT: 12.717 min Scan# 1861
Delta R.T. -0.006 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion: 75 Resp: 22956
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

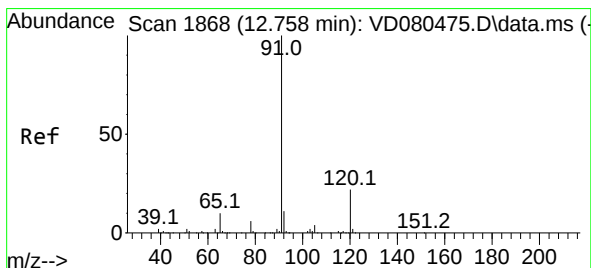
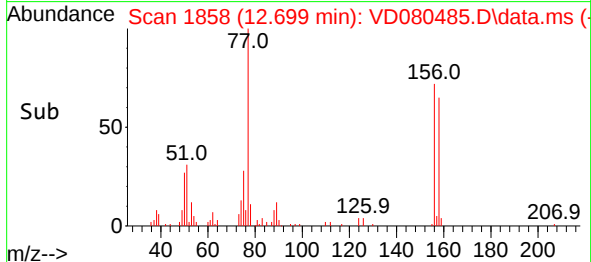
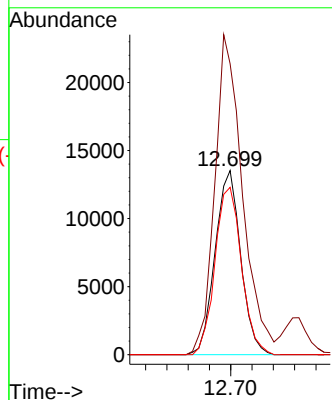
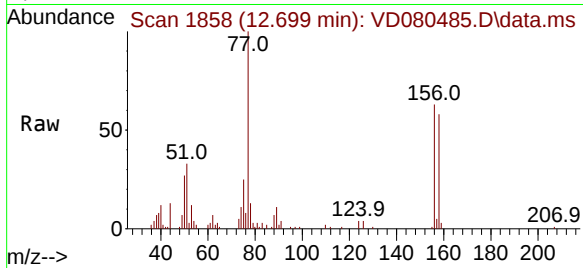




#77
Bromobenzene
Concen: 4.270 ug/l
RT: 12.699 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

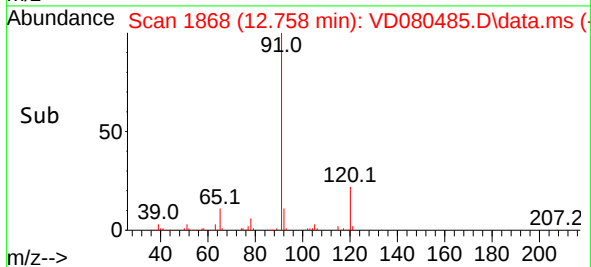
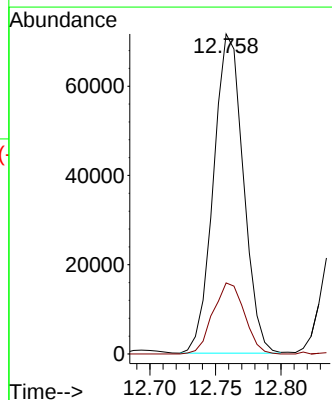
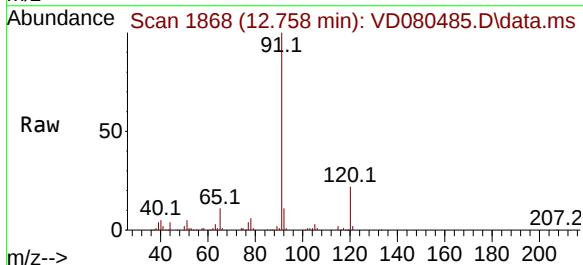
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

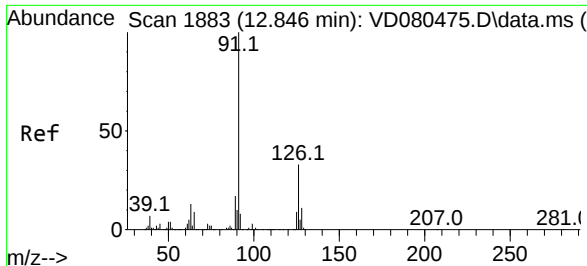
Tgt Ion:156 Resp: 22537
Ion Ratio Lower Upper
156 100
77 188.1 97.3 291.8
158 94.3 48.5 145.6



#78
n-propylbenzene
Concen: 3.987 ug/l
RT: 12.758 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion: 91 Resp: 113279
Ion Ratio Lower Upper
91 100
120 23.4 11.3 33.9

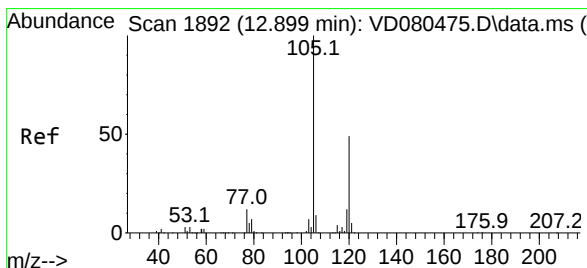
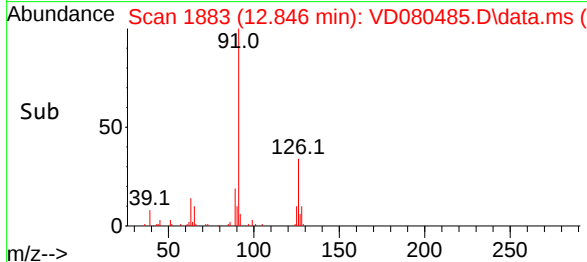
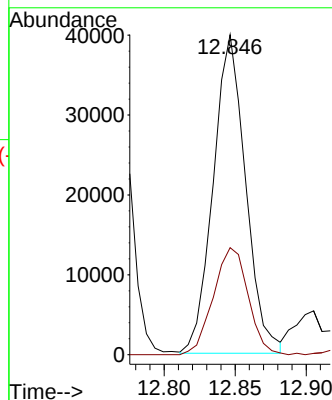
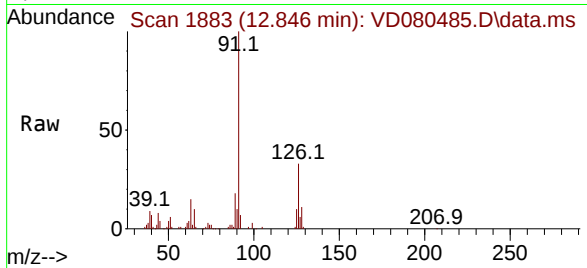




#79
2-Chlorotoluene
Concen: 3.870 ug/l
RT: 12.846 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

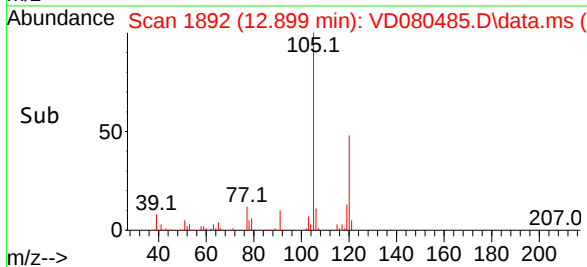
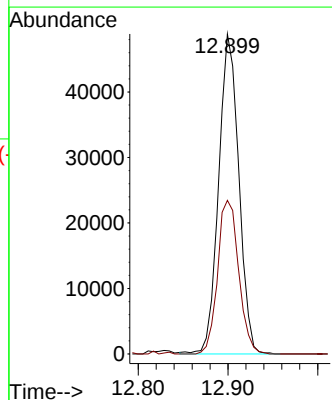
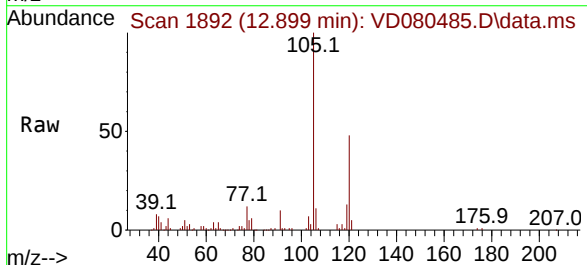
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

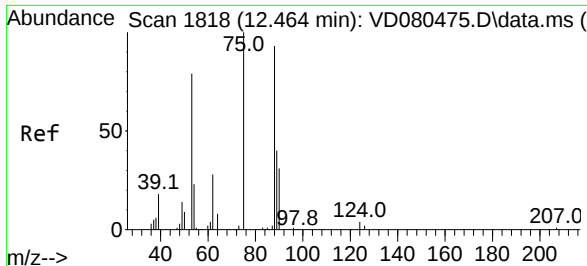
Tgt Ion: 91 Resp: 63235
Ion Ratio Lower Upper
91 100
126 35.9 16.6 49.8



#80
1,3,5-Trimethylbenzene
Concen: 3.978 ug/l
RT: 12.899 min Scan# 1892
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion: 105 Resp: 76126
Ion Ratio Lower Upper
105 100
120 50.2 24.5 73.5

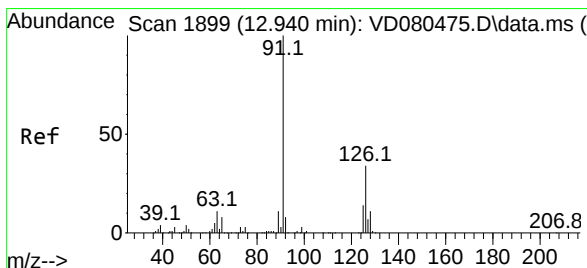
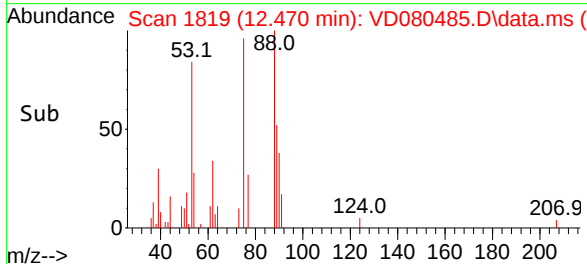
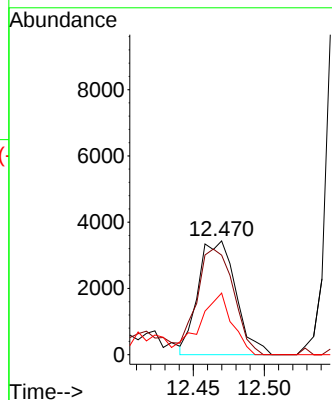
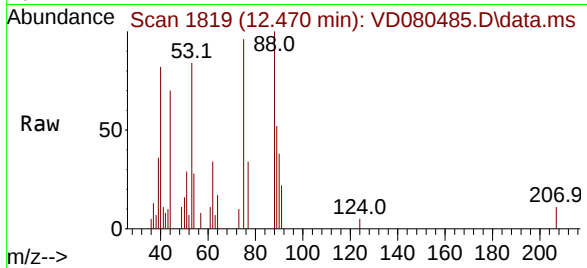




#81
trans-1,4-Dichloro-2-butene
Concen: 3.633 ug/l
RT: 12.470 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

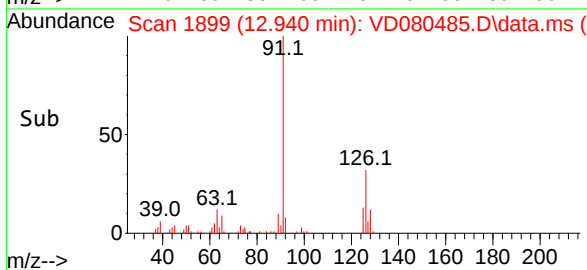
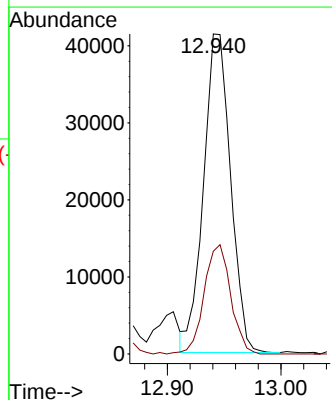
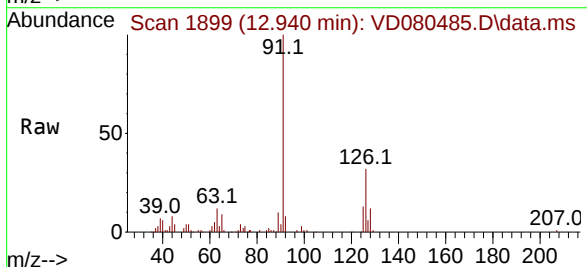
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

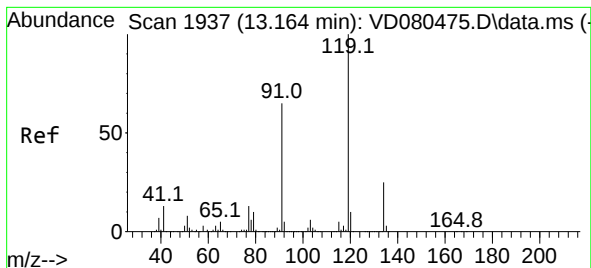
Tgt Ion: 75 Resp: 6309
Ion Ratio Lower Upper
75 100
53 90.3 61.5 92.3
89 46.8 33.0 49.6



#82
4-Chlorotoluene
Concen: 4.079 ug/l
RT: 12.940 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion: 91 Resp: 68465
Ion Ratio Lower Upper
91 100
126 33.6 17.0 50.9





#83

tert-Butylbenzene

Concen: 3.886 ug/l

RT: 13.164 min Scan# 1937

Delta R.T. 0.000 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

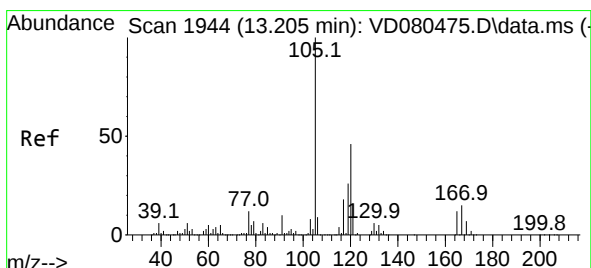
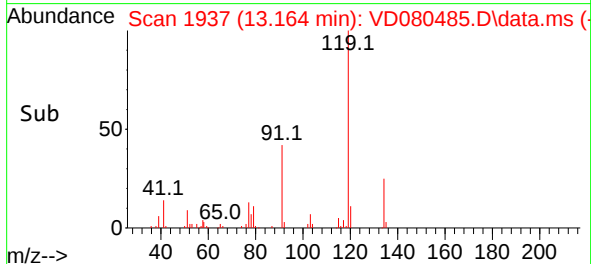
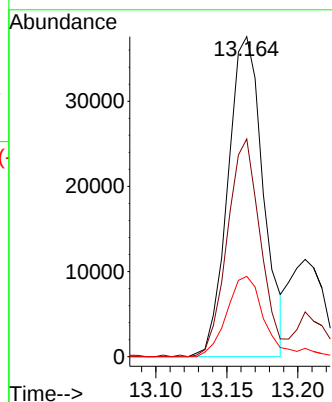
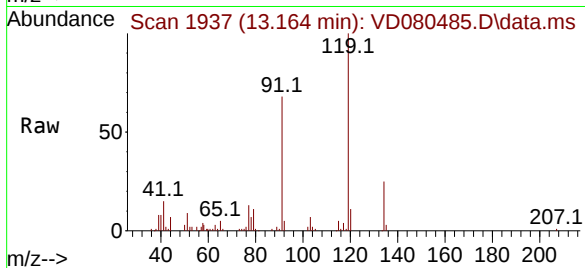
Tgt Ion:119 Resp: 65057

Ion Ratio Lower Upper

119 100

91 64.8 32.4 97.2

134 27.1 13.1 39.3



#84

1,2,4-Trimethylbenzene

Concen: 4.000 ug/l

RT: 13.205 min Scan# 1944

Delta R.T. 0.000 min

Lab File: VD080485.D

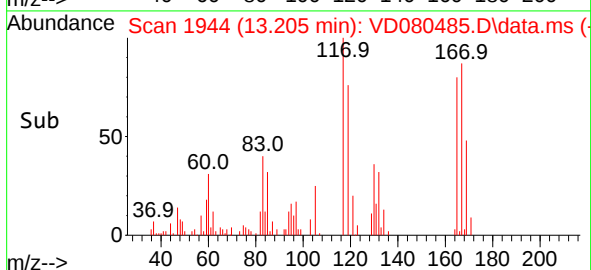
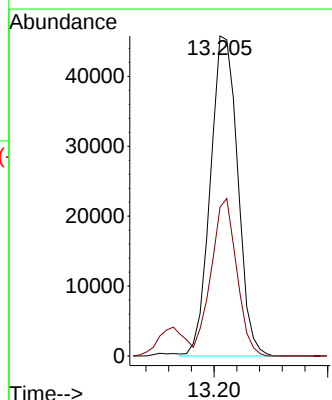
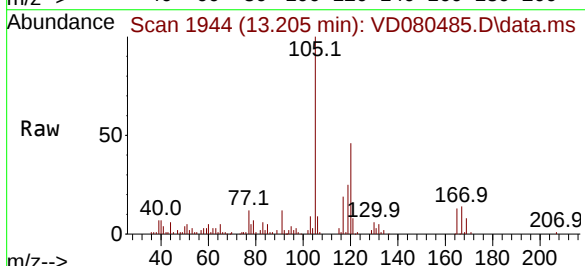
Acq: 26 Jun 2025 16:50

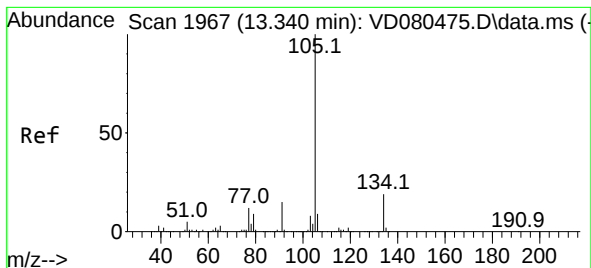
Tgt Ion:105 Resp: 76421

Ion Ratio Lower Upper

105 100

120 46.0 22.8 68.3





#85

sec-Butylbenzene

Concen: 3.977 ug/l

RT: 13.340 min Scan# 1967

Delta R.T. 0.000 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

Instrument :

MSVOA_D

ClientSampleId :

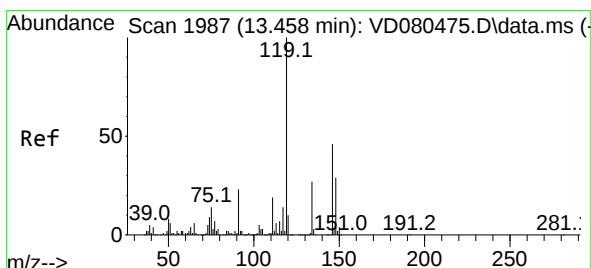
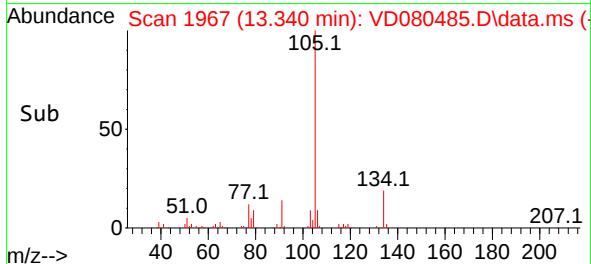
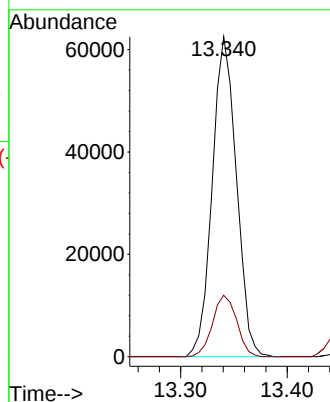
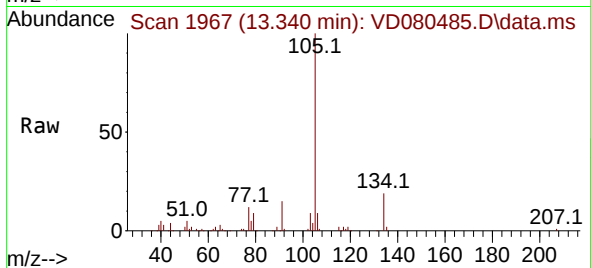
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:105 Resp: 98333

Ion Ratio Lower Upper

105 100

134 19.2 9.8 29.4



#86

p-Isopropyltoluene

Concen: 3.912 ug/l

RT: 13.458 min Scan# 1987

Delta R.T. 0.000 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

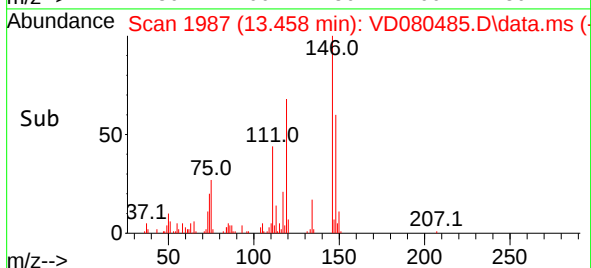
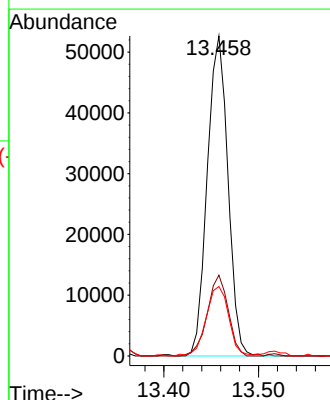
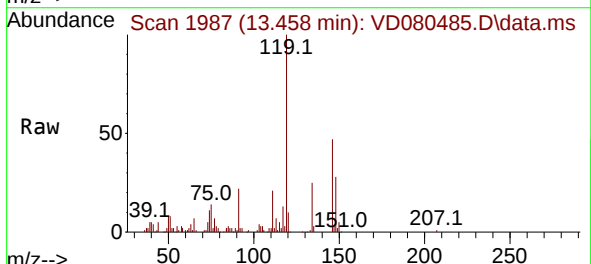
Tgt Ion:119 Resp: 80036

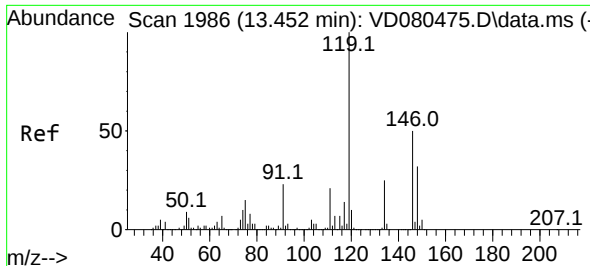
Ion Ratio Lower Upper

119 100

134 25.4 13.0 38.9

91 23.7 11.5 34.5





#87

1,3-Dichlorobenzene

Concen: 4.107 ug/l

RT: 13.452 min Scan# 1986

Delta R.T. 0.000 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

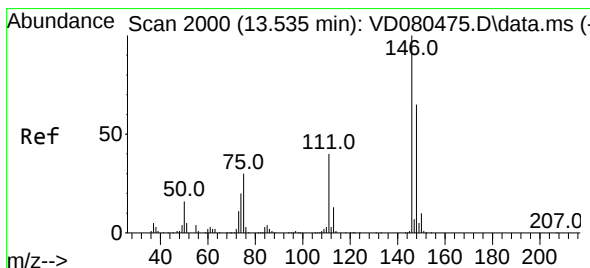
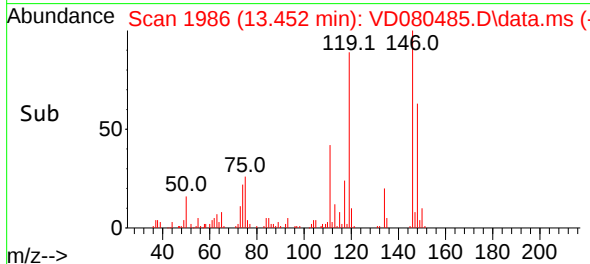
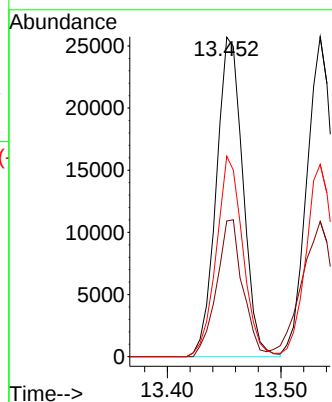
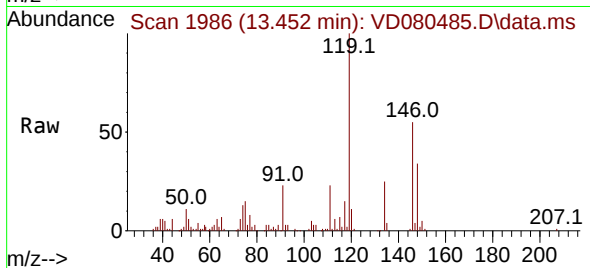
Tgt Ion:146 Resp: 41918

Ion Ratio Lower Upper

146 100

111 42.1 20.6 61.8

148 62.7 31.5 94.5



#88

1,4-Dichlorobenzene

Concen: 4.132 ug/l

RT: 13.535 min Scan# 2000

Delta R.T. 0.000 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

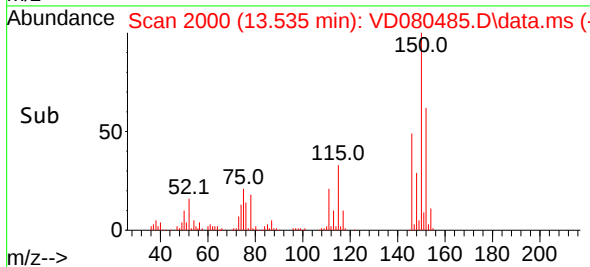
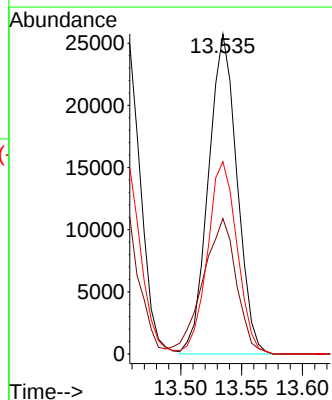
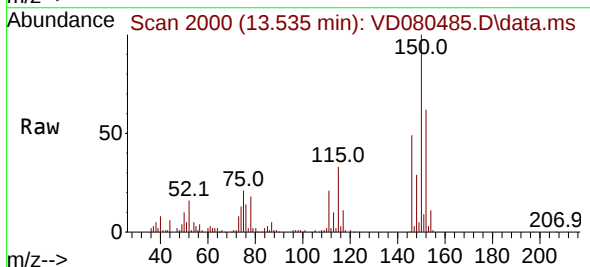
Tgt Ion:146 Resp: 42103

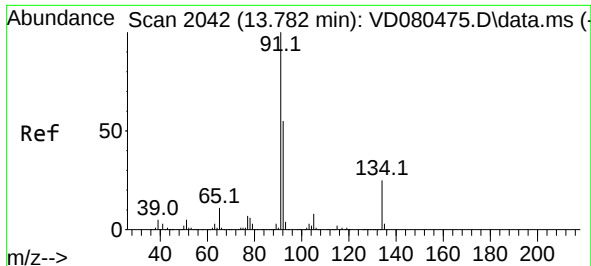
Ion Ratio Lower Upper

146 100

111 49.8 20.0 60.0

148 62.1 32.1 96.3

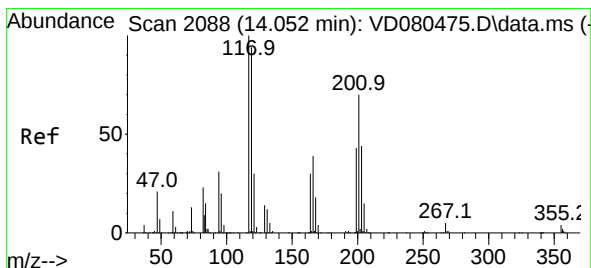
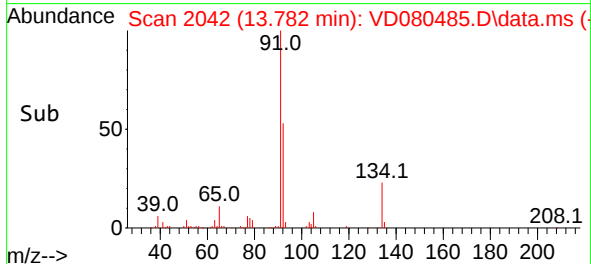
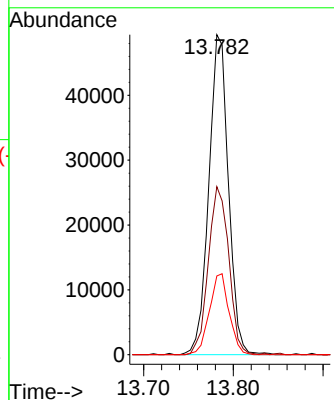
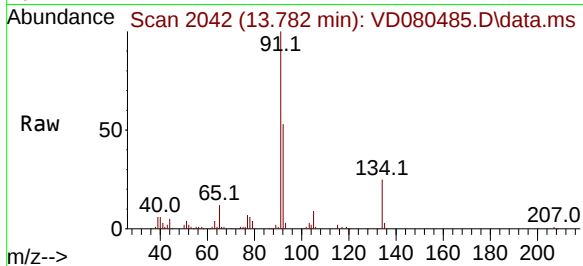




#89
n-Butylbenzene
Concen: 3.811 ug/l
RT: 13.782 min Scan# 2042
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

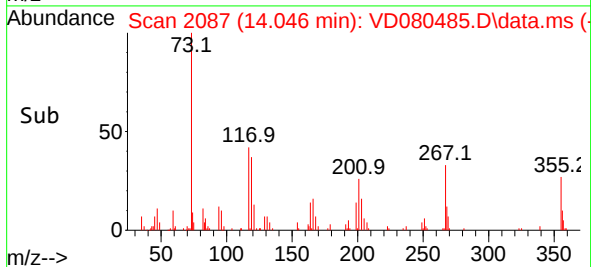
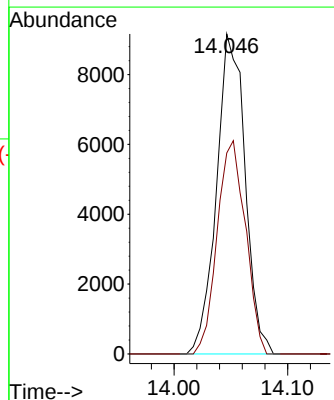
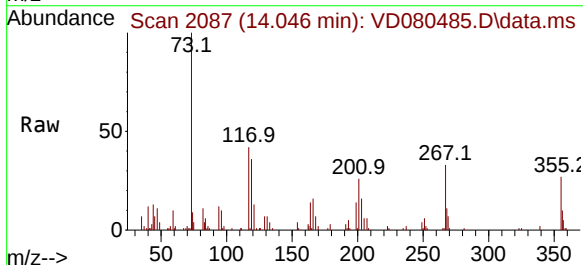
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

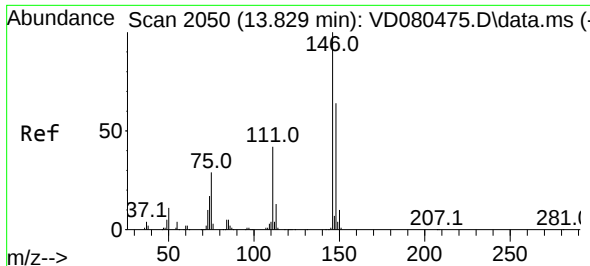
Tgt Ion: 91	Resp: 74837
Ion Ratio	Lower Upper
91 100	
92 54.8	27.4 82.0
134 25.4	12.6 37.8



#90
Hexachloroethane
Concen: 4.047 ug/l
RT: 14.046 min Scan# 2087
Delta R.T. -0.006 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion:117	Resp:	15998	
Ion	Ratio	Lower	Upper
117	100		
201	66.0	34.2	102.5

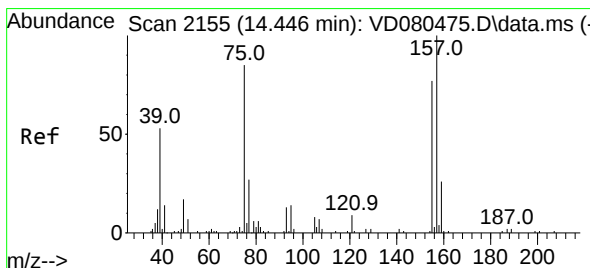
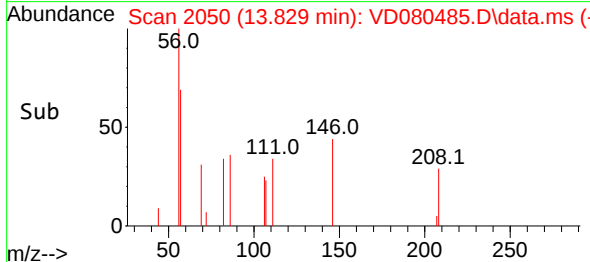
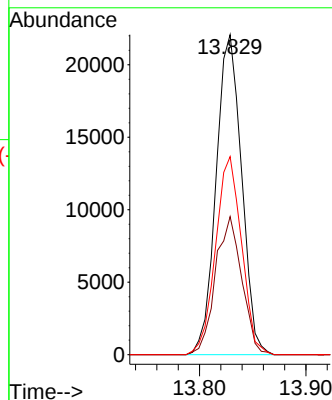
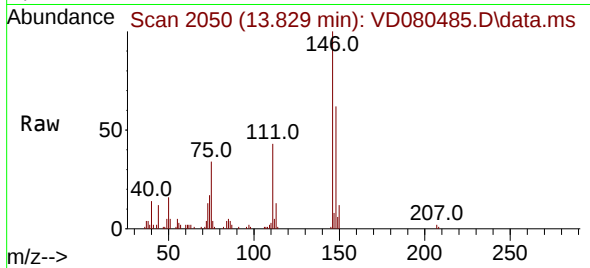




#91
1,2-Dichlorobenzene
Concen: 4.080 ug/l
RT: 13.829 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

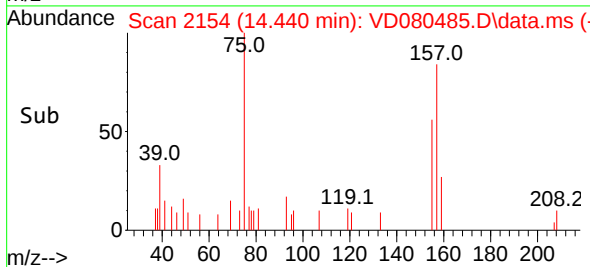
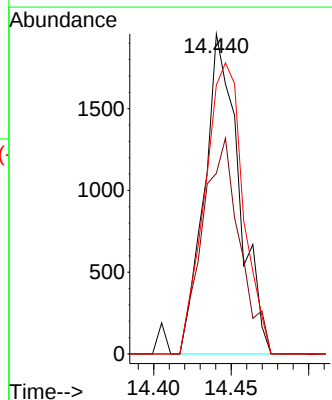
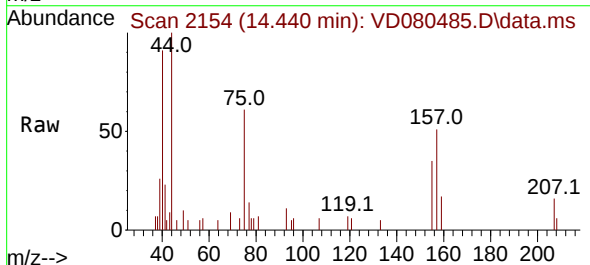
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

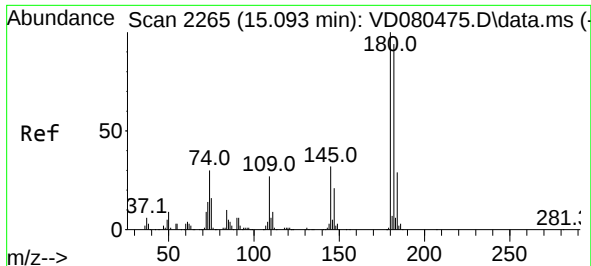
Tgt Ion:146	Resp:	36658
Ion Ratio	Lower	Upper
146	100	
111	44.6	21.3 63.7
148	63.1	31.9 95.7



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.569 ug/l
RT: 14.440 min Scan# 2154
Delta R.T. -0.006 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion: 75	Resp:	3028
Ion Ratio	Lower	Upper
75	100	
155	72.7	45.6 136.8
157	101.6	58.6 175.8

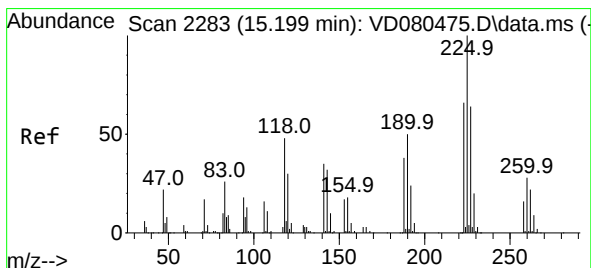
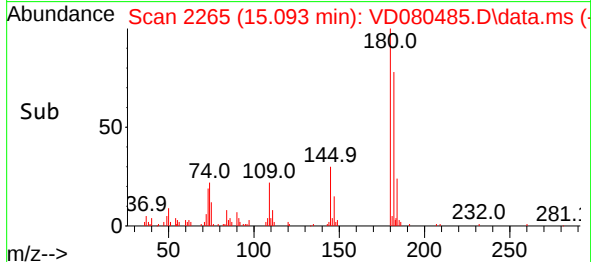
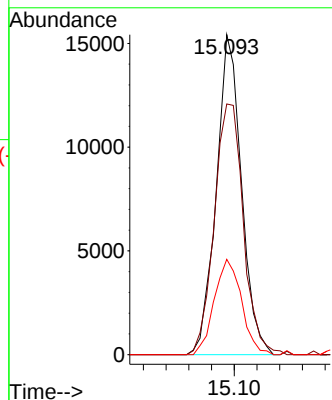
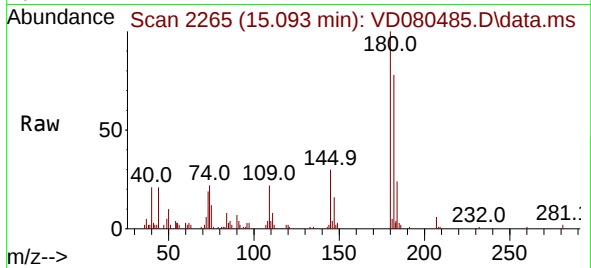




#93
1,2,4-Trichlorobenzene
Concen: 4.219 ug/l
RT: 15.093 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

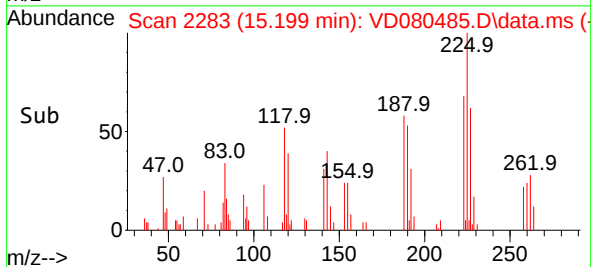
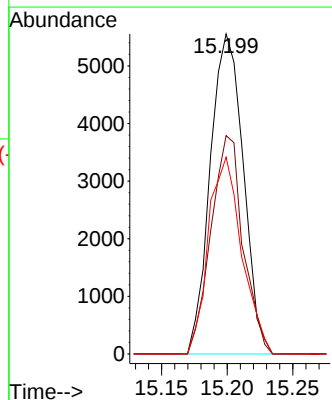
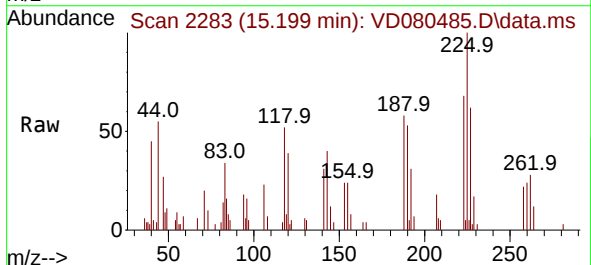
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

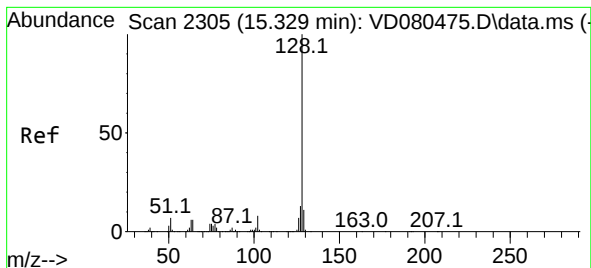
Tgt Ion:180	Resp:	23753
Ion Ratio	Lower	Upper
180	100	
182	90.3	46.8 140.4
145	32.2	16.0 47.9



#94
Hexachlorobutadiene
Concen: 3.746 ug/l
RT: 15.199 min Scan# 2283
Delta R.T. 0.000 min
Lab File: VD080485.D
Acq: 26 Jun 2025 16:50

Tgt Ion:225	Resp:	9734
Ion Ratio	Lower	Upper
225	100	
223	66.3	31.4 94.2
227	62.1	31.8 95.3





#95

Naphthalene

Concen: 4.049 ug/l

RT: 15.329 min Scan# 2305

Delta R.T. 0.000 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

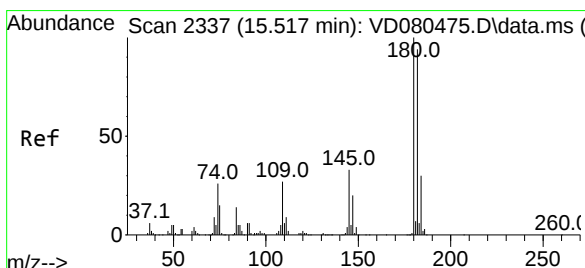
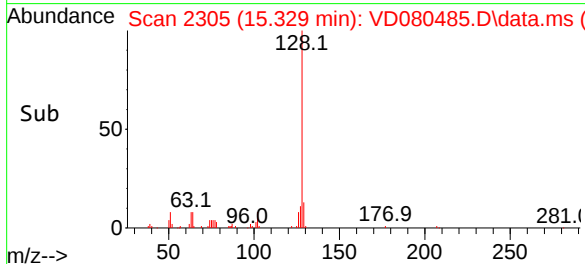
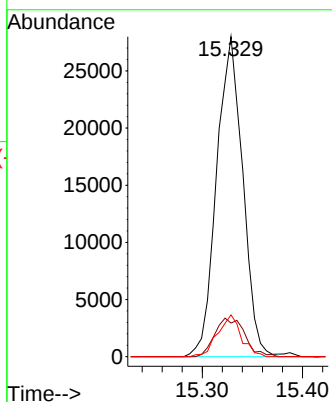
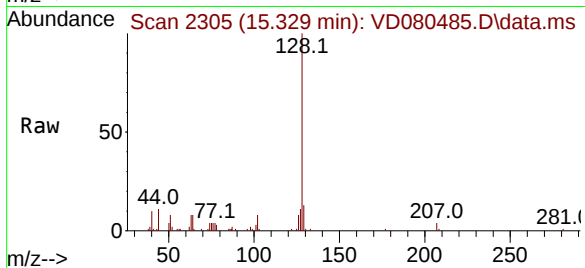
Tgt Ion:128 Resp: 50644

Ion Ratio Lower Upper

128 100

127 10.5 10.6 15.8#

129 13.1 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 4.430 ug/l

RT: 15.517 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VD080485.D

Acq: 26 Jun 2025 16:50

Tgt Ion:180 Resp: 21442

Ion Ratio Lower Upper

180 100

182 90.8 47.3 141.9

145 32.5 16.7 50.1

