

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062725\
 Data File : VD080493.D
 Acq On : 27 Jun 2025 14:04
 Operator : RP/MD
 Sample : Q2126-03
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jun 28 03:09:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062625S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:16:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	380713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	699521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	604077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.511	152	274076	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	208150	55.770	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.540%	
35) Dibromofluoromethane	7.811	113	218933	55.892	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.780%	
50) Toluene-d8	10.270	98	879351	55.570	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.140%	
62) 4-Bromofluorobenzene	12.570	95	279318	53.833	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.660%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.935	85	13368	3.950	ug/l	89
3) Chloromethane	2.147	50	21685	4.588	ug/l	99
4) Vinyl Chloride	2.288	62	21617	4.508	ug/l #	87
5) Bromomethane	2.694	94	15001	5.660	ug/l	94
6) Chloroethane	2.841	64	13304	4.420	ug/l	97
7) Trichlorofluoromethane	3.182	101	25119	4.164	ug/l	91
8) Diethyl Ether	3.600	74	17426	7.421	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.976	101	17359	4.350	ug/l	95
10) Methyl Iodide	4.165	142	16725	3.559	ug/l	100
11) Tert butyl alcohol	5.035	59	1727	5.683	ug/l #	1
12) 1,1-Dichloroethene	3.953	96	18468	4.286	ug/l	90
13) Acrolein	3.800	56	3704	8.944	ug/l	83
14) Allyl chloride	4.559	41	30001	3.977	ug/l	94
15) Acrylonitrile	5.259	53	22333	19.990	ug/l	98
16) Acetone	4.023	43	17957	18.621	ug/l	97
17) Carbon Disulfide	4.276	76	53765	3.951	ug/l	96
18) Methyl Acetate	4.570	43	15744	5.367	ug/l	100
19) Methyl tert-butyl Ether	5.317	73	43584	4.070	ug/l	94
20) Methylene Chloride	4.806	84	61217	9.006	ug/l	93
21) trans-1,2-Dichloroethene	5.312	96	19719	4.103	ug/l	99
22) Diisopropyl ether	6.217	45	62530	4.293	ug/l	99
23) Vinyl Acetate	6.159	43	156608	18.867	ug/l	100
24) 1,1-Dichloroethane	6.112	63	34426	4.028	ug/l #	89
25) 2-Butanone	7.082	43	28022	19.798	ug/l #	88
26) 2,2-Dichloropropane	7.076	77	28494	4.213	ug/l	99
27) cis-1,2-Dichloroethene	7.082	96	24126	4.199	ug/l	98
28) Bromochloromethane	7.423	49	15640	4.641	ug/l	95
29) Tetrahydrofuran	7.453	42	18782	21.063	ug/l	98
30) Chloroform	7.600	83	34030	4.159	ug/l	98
31) Cyclohexane	7.876	56	39162	4.728	ug/l #	80
32) 1,1,1-Trichloroethane	7.794	97	27964	4.088	ug/l	99
36) 1,1-Dichloropropene	8.011	75	25732	4.206	ug/l	99
37) Ethyl Acetate	7.176	43	11797	3.968	ug/l #	89
38) Carbon Tetrachloride	8.000	117	23002	3.935	ug/l	95
39) Methylcyclohexane	9.276	83	31798	3.775	ug/l	96
40) Benzene	8.253	78	79505	4.049	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	8306	4.371	ug/l #	92
42) 1,2-Dichloroethane	8.329	62	18959	4.105	ug/l	97
43) Isopropyl Acetate	8.358	43	24471	4.182	ug/l	96
44) Trichloroethene	9.035	130	19253	4.046	ug/l	80
45) 1,2-Dichloropropane	9.306	63	18777	3.943	ug/l	100
46) Dibromomethane	9.394	93	10701	4.215	ug/l	94
47) Bromodichloromethane	9.582	83	25185	4.001	ug/l	94
48) Methyl methacrylate	9.382	41	12068	4.077	ug/l	99
49) 1,4-Dioxane	9.382	88	2708	82.218	ug/l #	91
51) 4-Methyl-2-Pentanone	10.158	43	60460	20.347	ug/l	95
52) Toluene	10.329	92	48891	3.984	ug/l	96
53) t-1,3-Dichloropropene	10.553	75	24683	3.915	ug/l	100
54) cis-1,3-Dichloropropene	10.017	75	30254	3.995	ug/l	93
55) 1,1,2-Trichloroethane	10.729	97	14305	4.133	ug/l	94
56) Ethyl methacrylate	10.600	69	19501	3.947	ug/l #	90
57) 1,3-Dichloropropane	10.876	76	24176	3.992	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.870	63	39212	20.782	ug/l	99
59) 2-Hexanone	10.917	43	43545	20.705	ug/l	91
60) Dibromochloromethane	11.070	129	16908	3.958	ug/l	99
61) 1,2-Dibromoethane	11.182	107	13736	4.151	ug/l	94
64) Tetrachloroethene	10.811	164	15515	4.138	ug/l	96
65) Chlorobenzene	11.605	112	53684	4.121	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.676	131	16834	4.111	ug/l	98
67) Ethyl Benzene	11.682	91	93953	4.123	ug/l	97
68) m/p-Xylenes	11.794	106	71153	8.200	ug/l	100
69) o-Xylene	12.117	106	33008	3.942	ug/l	98
70) Styrene	12.135	104	59230	4.182	ug/l	98
71) Bromoform	12.294	173	9517	4.081	ug/l #	98
73) Isopropylbenzene	12.417	105	85309	4.004	ug/l	100
74) N-amyl acetate	12.229	43	22572	4.046	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.670	83	15832	3.991	ug/l	95
76) 1,2,3-Trichloropropane	12.717	75	19626	8.424	ug/l #	100
77) Bromobenzene	12.699	156	19346	4.060	ug/l	99
78) n-propylbenzene	12.758	91	103076	4.019	ug/l	99
79) 2-Chlorotoluene	12.847	91	57102	3.871	ug/l	97
80) 1,3,5-Trimethylbenzene	12.899	105	68617	3.971	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.464	75	5605	3.575	ug/l	91
82) 4-Chlorotoluene	12.946	91	60448	3.990	ug/l	99
83) tert-Butylbenzene	13.164	119	61006	4.037	ug/l	100
84) 1,2,4-Trimethylbenzene	13.205	105	69312	4.018	ug/l	99
85) sec-Butylbenzene	13.341	105	89450	4.008	ug/l	98
86) p-Isopropyltoluene	13.458	119	75077	4.065	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	37839	4.106	ug/l	98
88) 1,4-Dichlorobenzene	13.535	146	38108	4.143	ug/l	93
89) n-Butylbenzene	13.782	91	74507	4.203	ug/l	99
90) Hexachloroethane	14.052	117	14252	3.994	ug/l	97
91) 1,2-Dichlorobenzene	13.829	146	33271	4.102	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	2559	4.277	ug/l	87
93) 1,2,4-Trichlorobenzene	15.099	180	20732	4.079	ug/l	99
94) Hexachlorobutadiene	15.199	225	9683	4.127	ug/l	97
95) Naphthalene	15.329	128	42784	3.789	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	17847	4.084	ug/l	99

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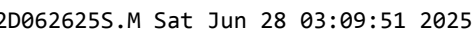
Instrument :
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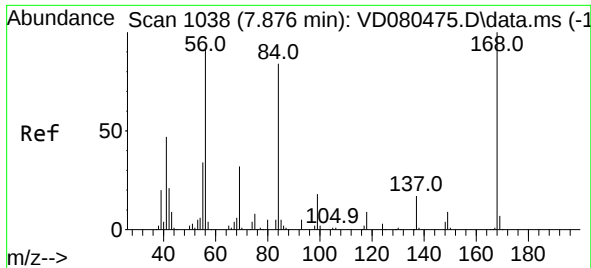
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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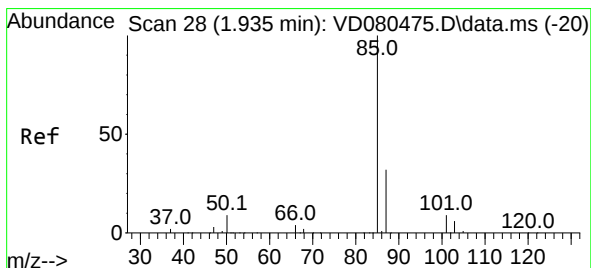
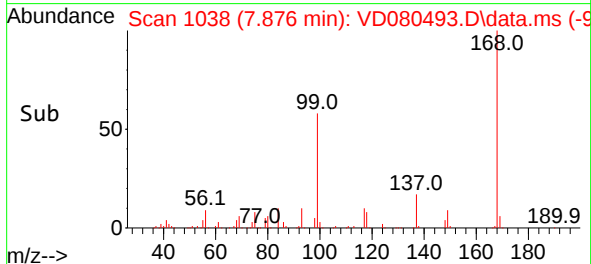
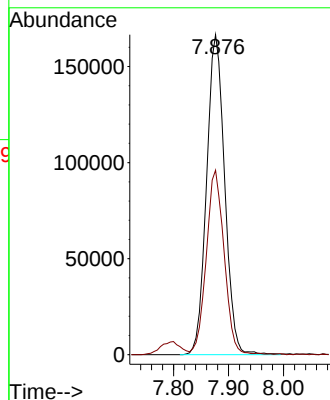
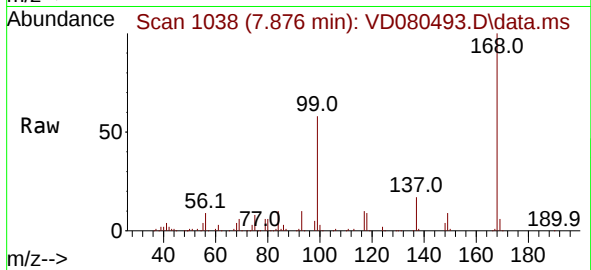




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VD080493.D
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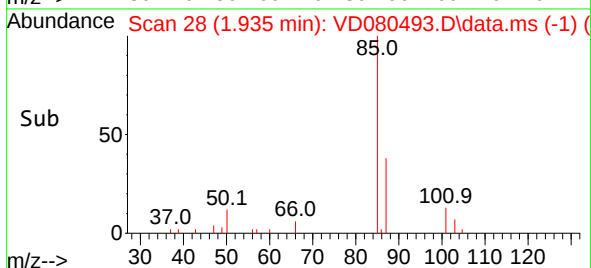
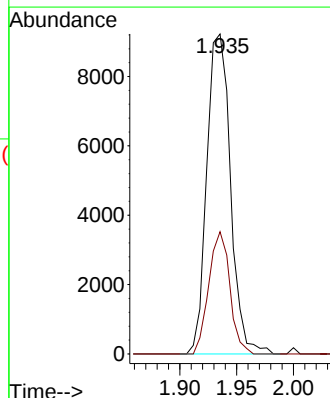
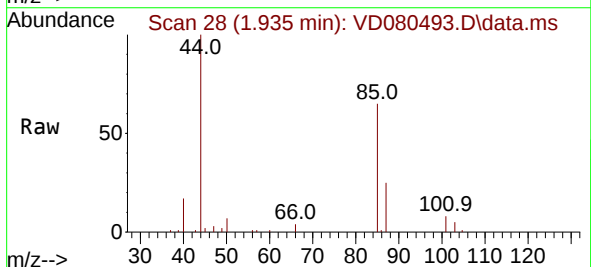
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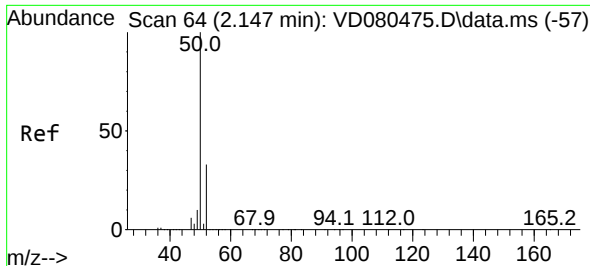
Tgt Ion:168 Resp: 380713
Ion Ratio Lower Upper
168 100
99 57.4 45.8 68.8



#2
Dichlorodifluoromethane
Concen: 3.950 ug/l
RT: 1.935 min Scan# 28
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion: 85 Resp: 13368
Ion Ratio Lower Upper
85 100
87 38.2 16.0 47.9

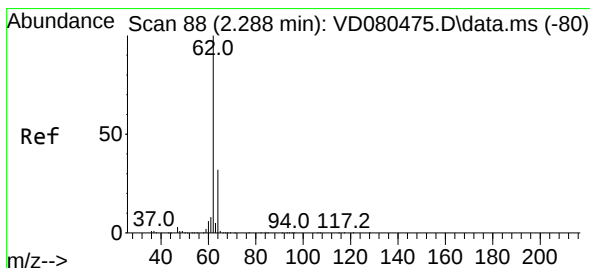
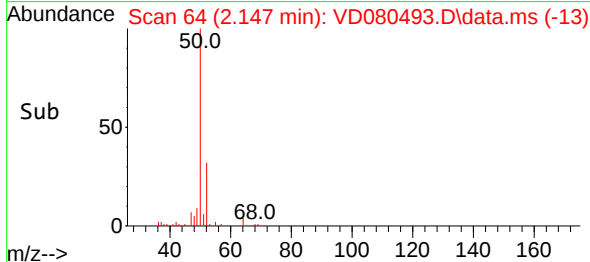
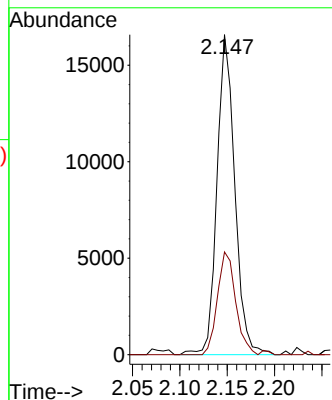
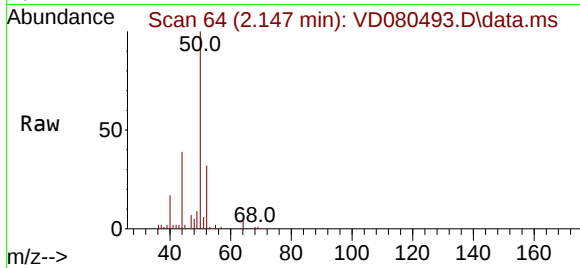




#3
Chloromethane
Concen: 4.588 ug/l
RT: 2.147 min Scan# 64
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

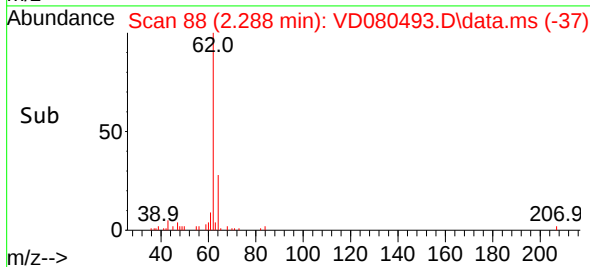
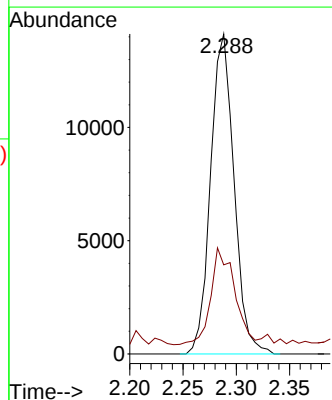
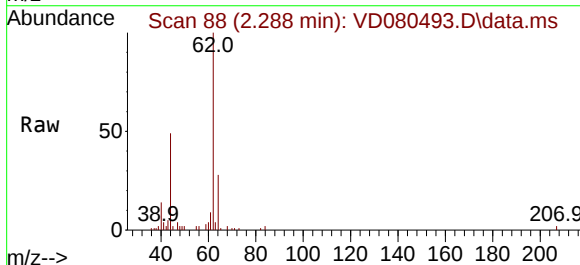
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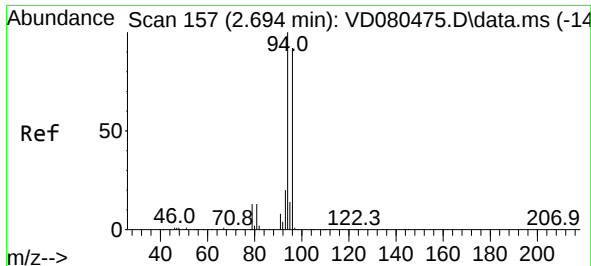
Tgt Ion: 50 Resp: 21685
Ion Ratio Lower Upper
50 100
52 32.1 26.1 39.1



#4
Vinyl Chloride
Concen: 4.508 ug/l
RT: 2.288 min Scan# 88
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion: 62 Resp: 21617
Ion Ratio Lower Upper
62 100
64 24.9 25.5 38.3#

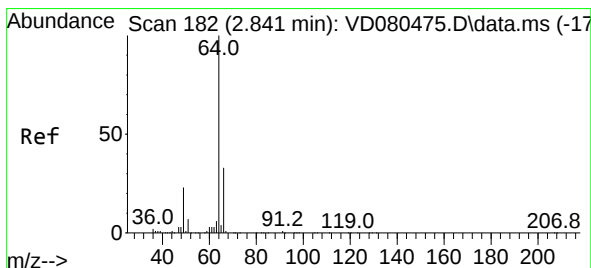
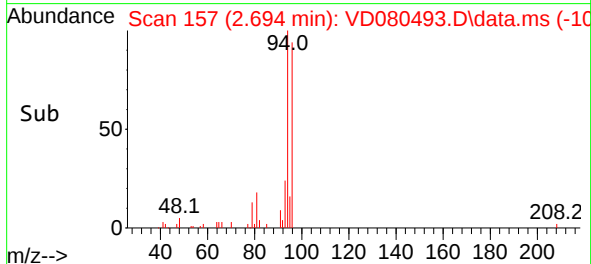
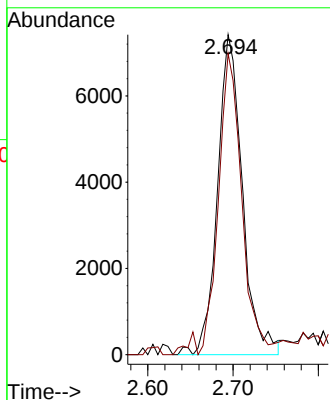
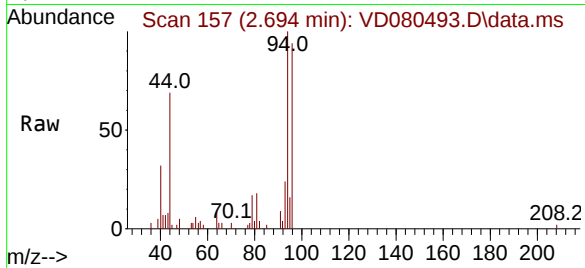




#5
Bromomethane
Concen: 5.660 ug/l
RT: 2.694 min Scan# 157
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

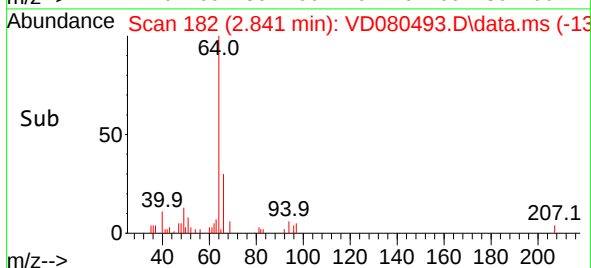
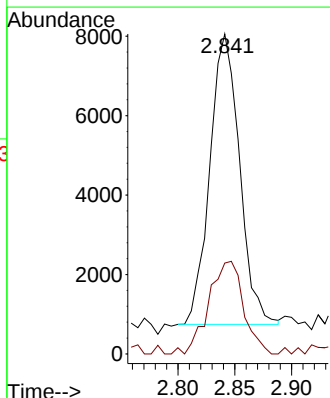
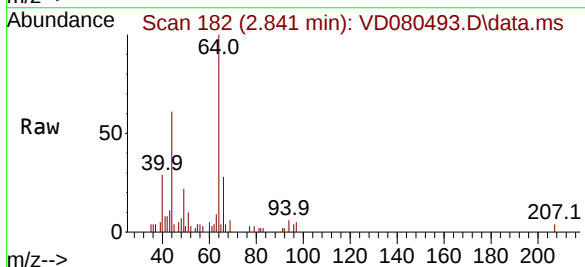
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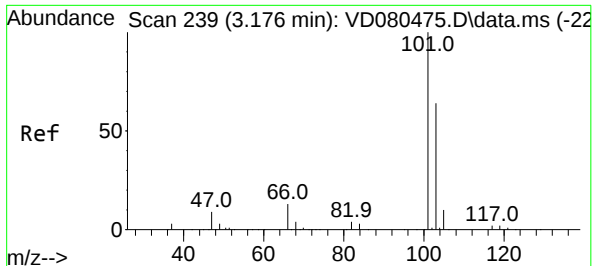
Tgt Ion: 94 Resp: 15001
Ion Ratio Lower Upper
94 100
96 88.0 74.8 112.2



#6
Chloroethane
Concen: 4.420 ug/l
RT: 2.841 min Scan# 182
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion: 64 Resp: 13304
Ion Ratio Lower Upper
64 100
66 31.3 26.3 39.5

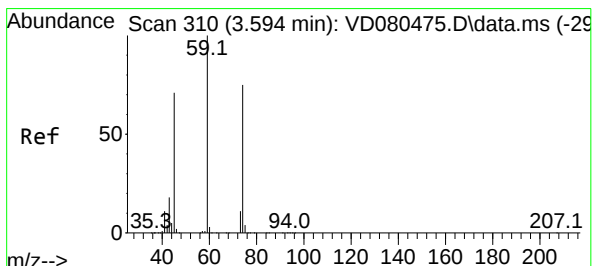
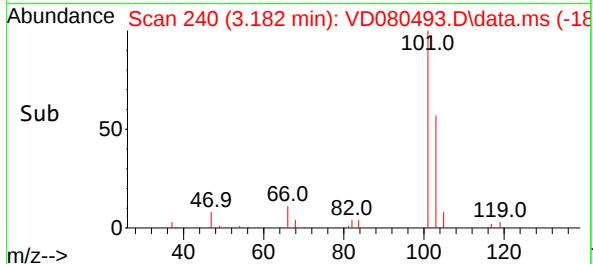
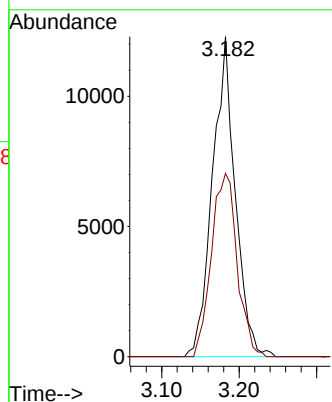
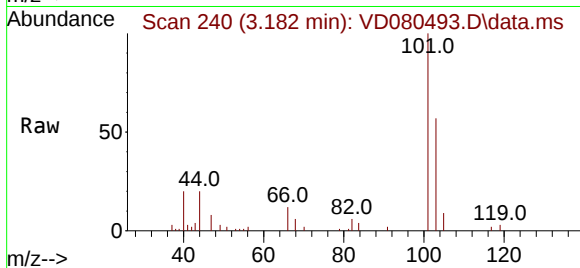




#7
 Trichlorofluoromethane
 Concen: 4.164 ug/l
 RT: 3.182 min Scan# 241
 Delta R.T. 0.006 min
 Lab File: VD080493.D
 Acq: 27 Jun 2025 14:04

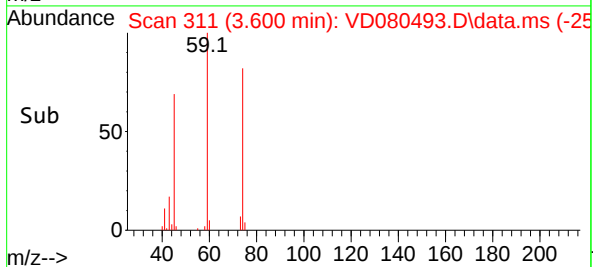
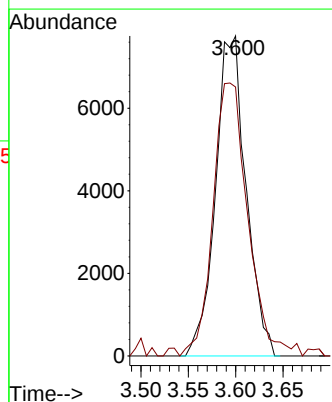
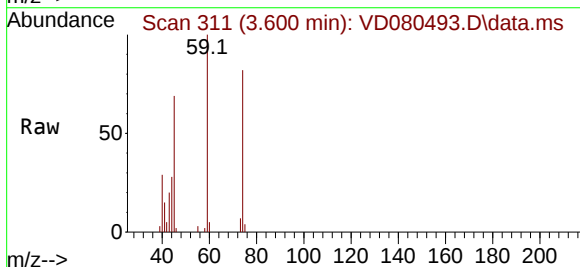
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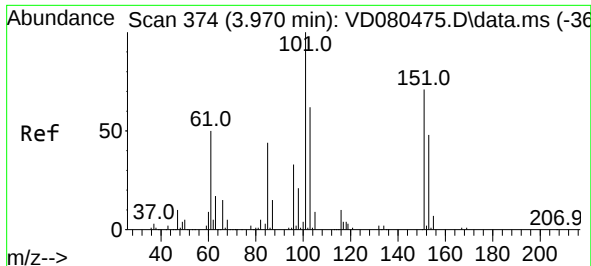
Tgt Ion:101 Resp: 25119
 Ion Ratio Lower Upper
 101 100
 103 57.3 51.3 76.9



#8
 Diethyl Ether
 Concen: 7.421 ug/l
 RT: 3.600 min Scan# 311
 Delta R.T. 0.006 min
 Lab File: VD080493.D
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Tgt Ion: 74 Resp: 17426
 Ion Ratio Lower Upper
 74 100
 45 97.3 46.6 139.8

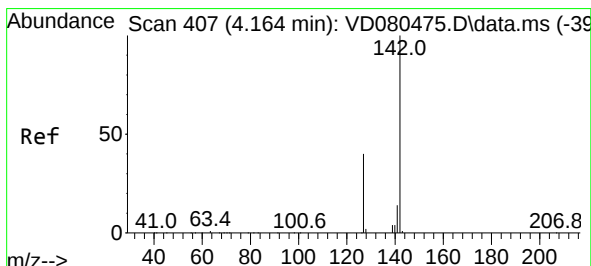
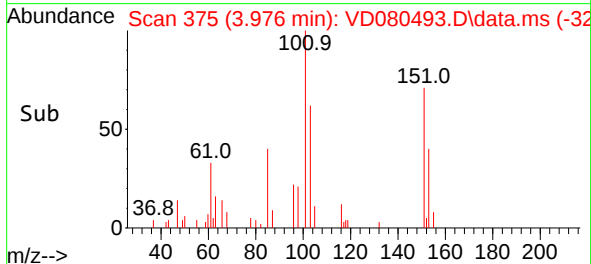
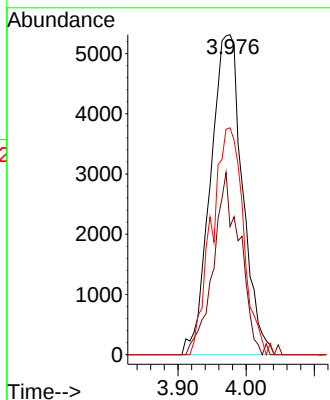
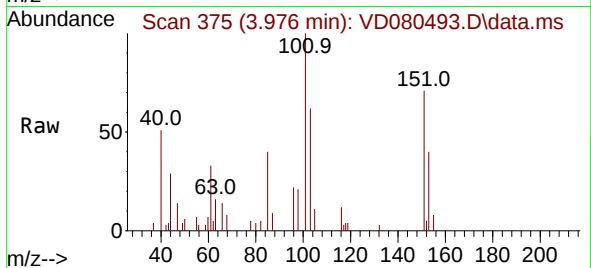




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.350 ug/l
RT: 3.976 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

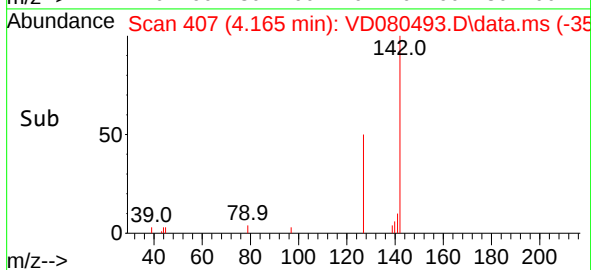
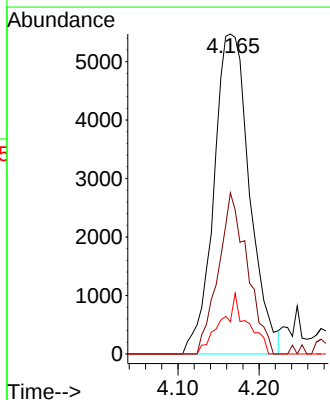
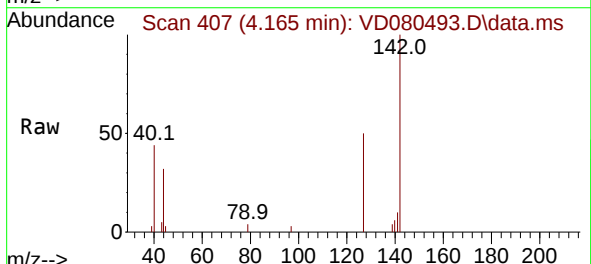
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

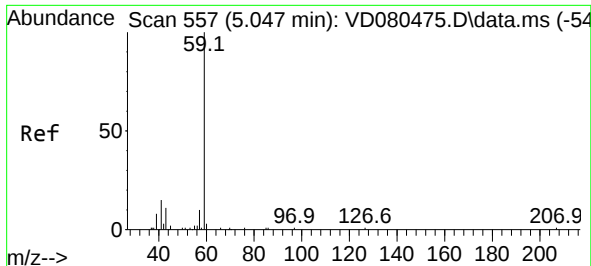
Tgt Ion:	101	Resp:	17359
Ion	Ratio	Lower	Upper
101	100		
85	47.6	34.0	51.0
151	70.1	58.4	87.6



#10
Methyl Iodide
Concen: 3.559 ug/l
RT: 4.165 min Scan# 407
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion:	142	Resp:	16725
Ion	Ratio	Lower	Upper
142	100		
127	41.1	32.6	49.0
141	13.9	11.1	16.7





#11

Tert butyl alcohol

Concen: 5.683 ug/l

RT: 5.035 min Scan# 51

Delta R.T. -0.012 min

Lab File: VD080493.D

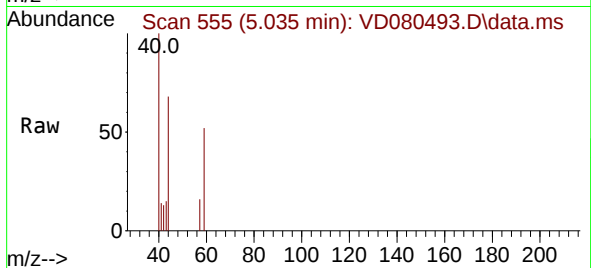
Acq: 27 Jun 2025 14:04

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2025

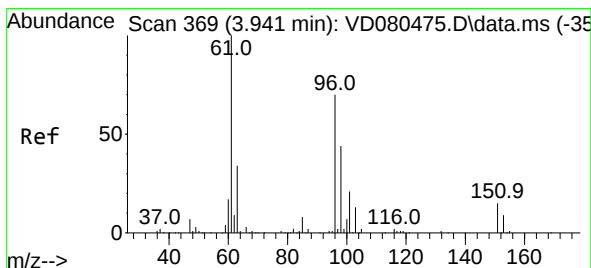
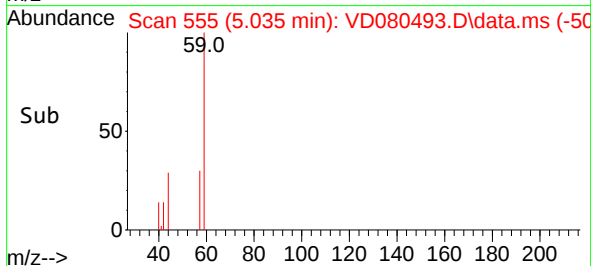
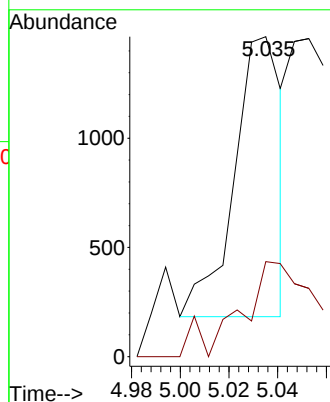


Tgt Ion: 59 Resp: 1727

Ion Ratio Lower Upper

59 100

57 65.0 8.8 13.2#



#12

1,1-Dichloroethene

Concen: 4.286 ug/l

RT: 3.953 min Scan# 371

Delta R.T. 0.012 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

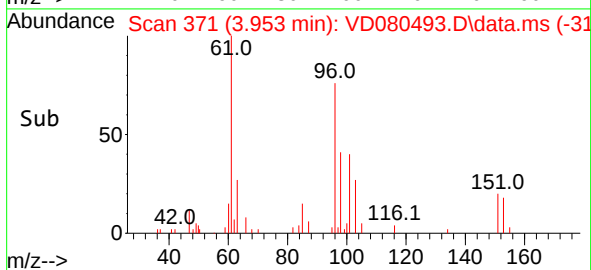
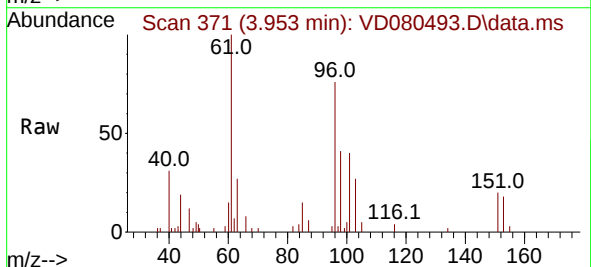
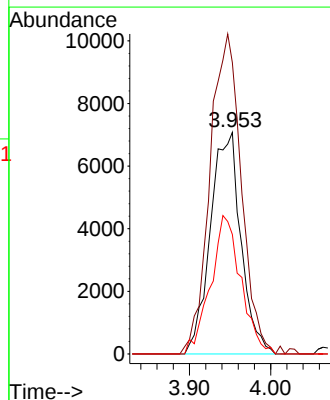
Tgt Ion: 96 Resp: 18468

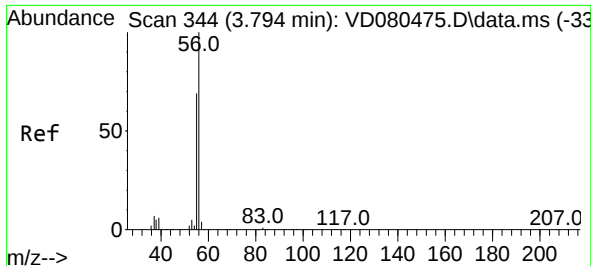
Ion Ratio Lower Upper

96 100

61 131.5 114.9 172.3

98 54.0 50.5 75.7

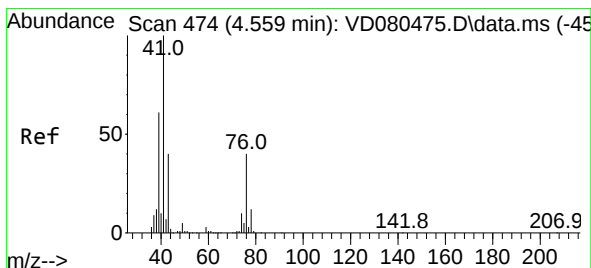
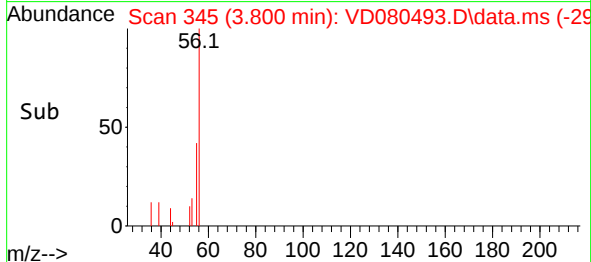
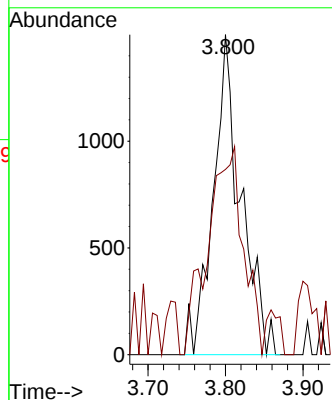
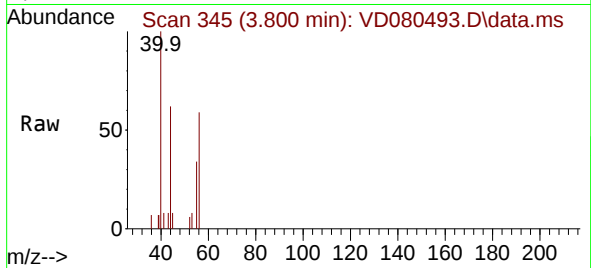




#13
Acrolein
Concen: 8.944 ug/l
RT: 3.800 min Scan# 344
Delta R.T. 0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

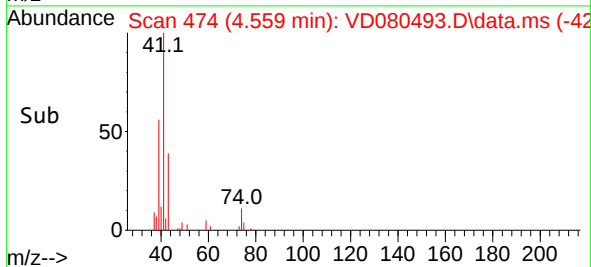
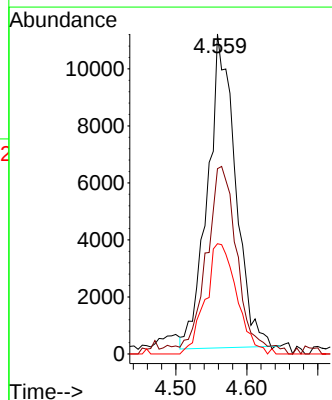
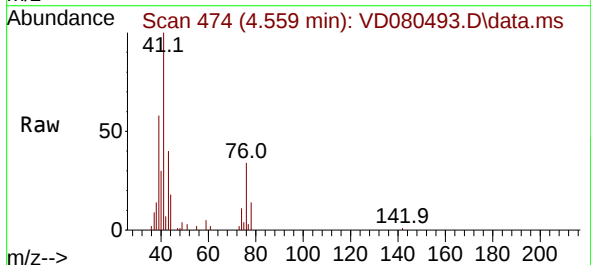
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

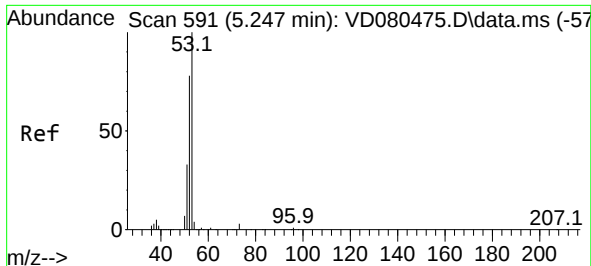
Tgt Ion: 56 Resp: 3704
Ion Ratio Lower Upper
56 100
55 83.8 56.2 84.2



#14
Allyl chloride
Concen: 3.977 ug/l
RT: 4.559 min Scan# 474
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion: 41 Resp: 30001
Ion Ratio Lower Upper
41 100
39 66.1 47.4 71.2
76 39.5 30.5 45.7

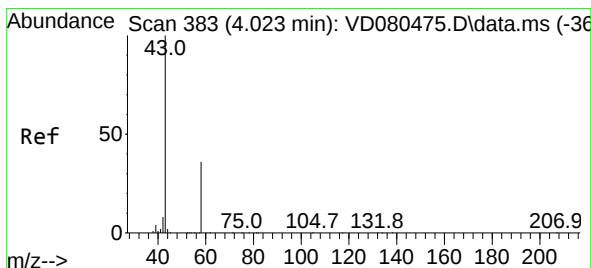
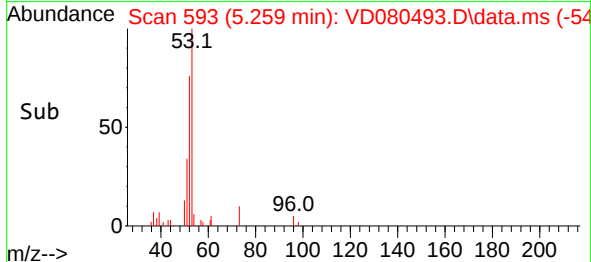
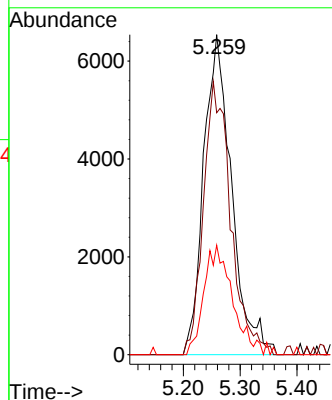
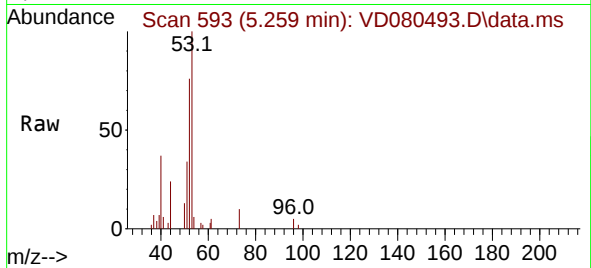




#15
Acrylonitrile
Concen: 19.990 ug/l
RT: 5.259 min Scan# 591
Delta R.T. 0.012 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

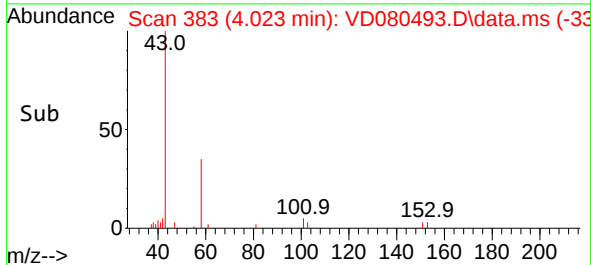
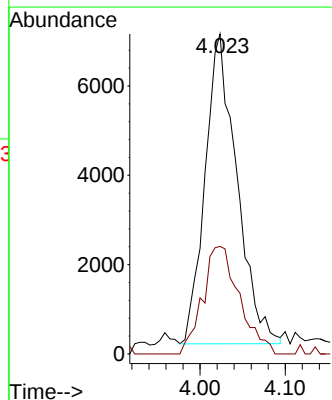
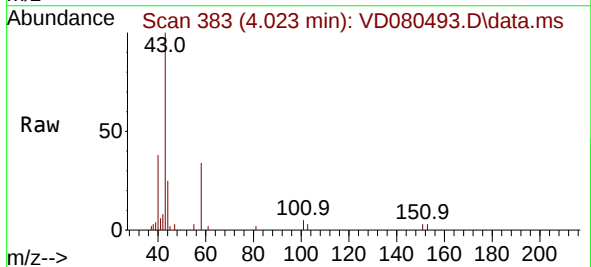
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

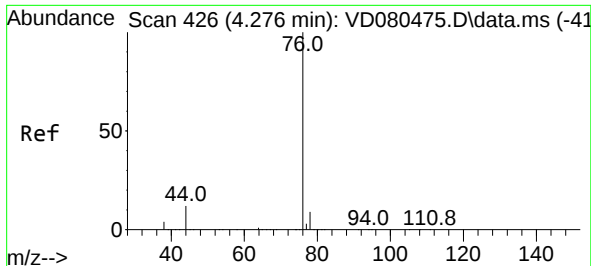
Tgt Ion: 53	Resp: 22333
Ion Ratio	Lower Upper
53 100	
52 83.2	64.7 97.1
51 34.7	27.9 41.9



#16
Acetone
Concen: 18.621 ug/l
RT: 4.023 min Scan# 383
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion: 43	Resp: 17957
Ion Ratio	Lower Upper
43 100	
58 34.7	29.0 43.4

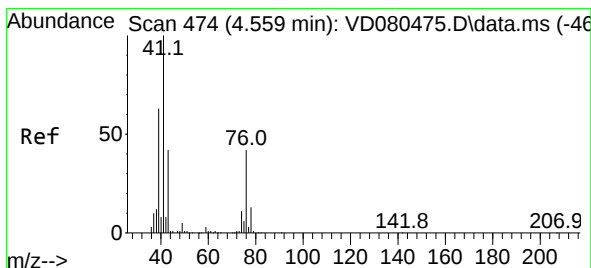
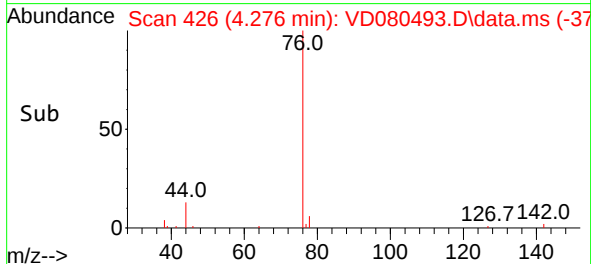
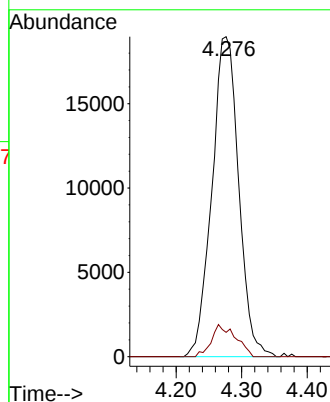
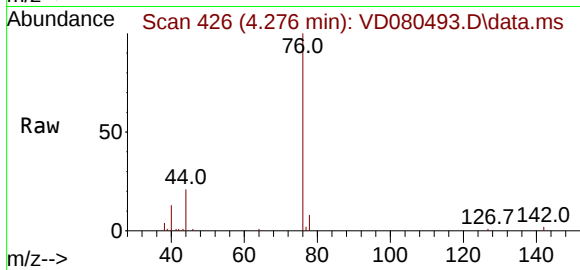




#17
Carbon Disulfide
Concen: 3.951 ug/l
RT: 4.276 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

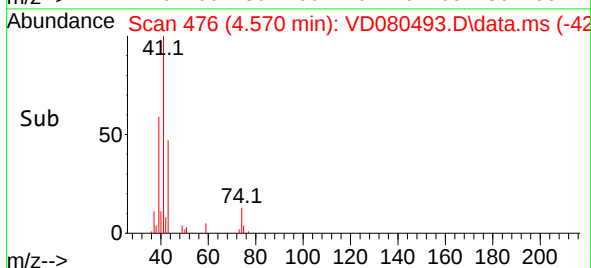
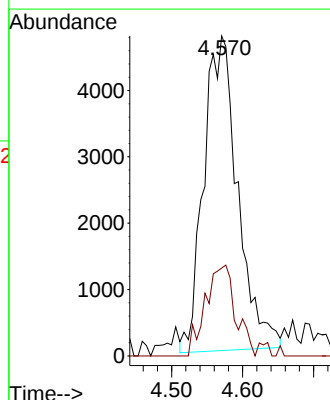
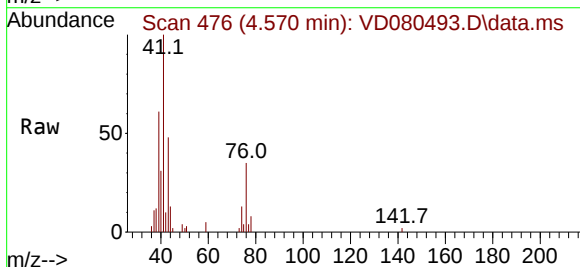
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

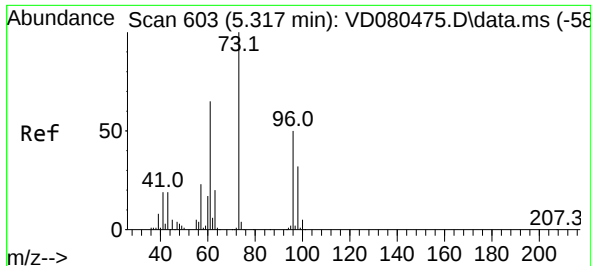
Tgt Ion: 76 Resp: 53765
Ion Ratio Lower Upper
76 100
78 7.6 7.2 10.8



#18
Methyl Acetate
Concen: 5.367 ug/l
RT: 4.570 min Scan# 476
Delta R.T. 0.012 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion: 43 Resp: 15744
Ion Ratio Lower Upper
43 100
74 25.5 20.4 30.6

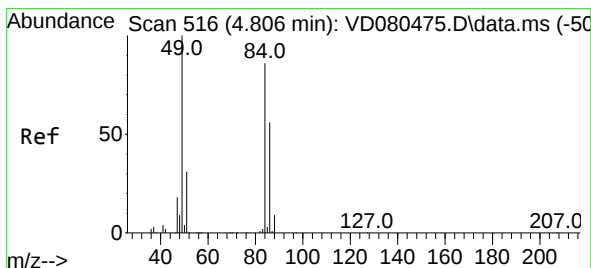
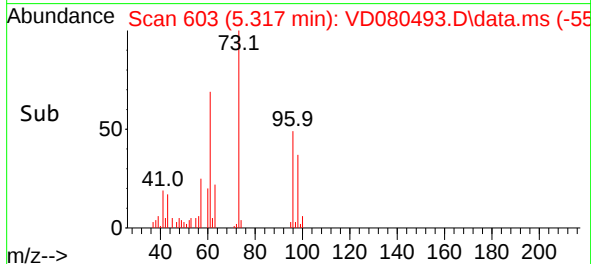
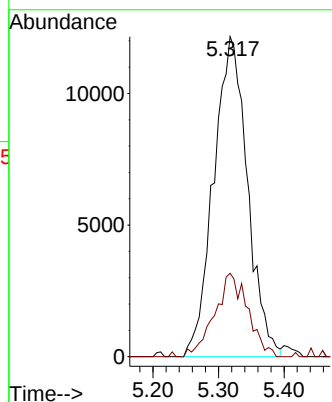
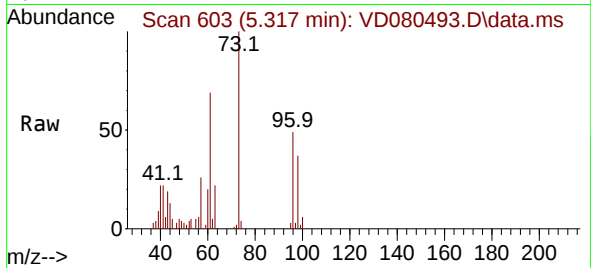




#19
Methyl tert-butyl Ether
Concen: 4.070 ug/l
RT: 5.317 min Scan# 603
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

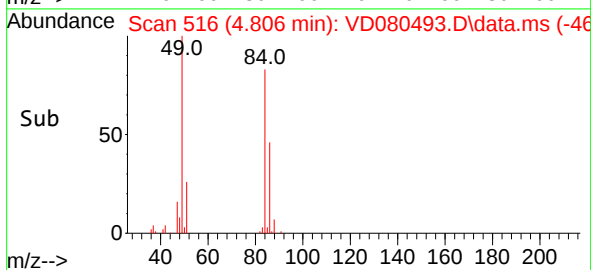
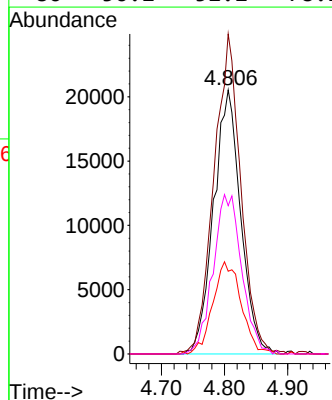
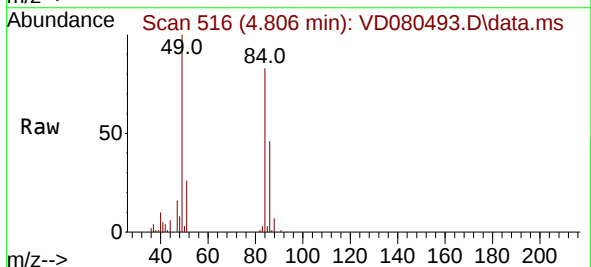
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

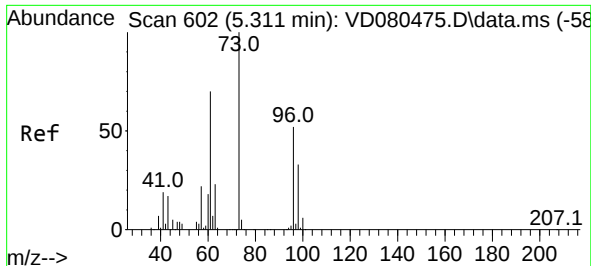
Tgt Ion: 73 Resp: 43584
Ion Ratio Lower Upper
73 100
57 26.0 18.5 27.7



#20
Methylene Chloride
Concen: 9.006 ug/l
RT: 4.806 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion: 84 Resp: 61217
Ion Ratio Lower Upper
84 100
49 120.3 92.8 139.2
51 31.3 29.0 43.6
86 56.2 52.2 78.2

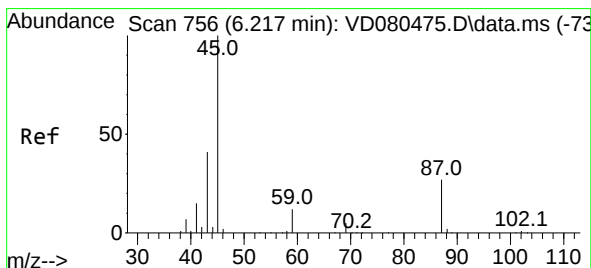
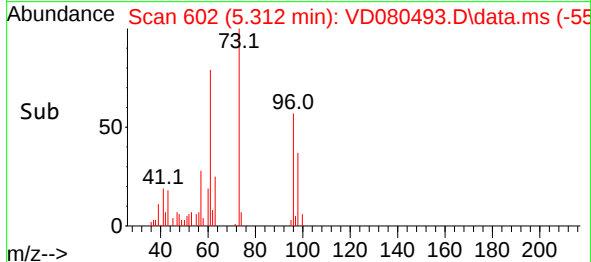
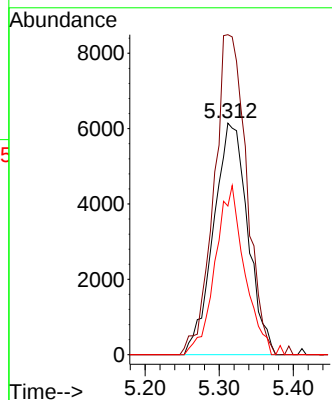
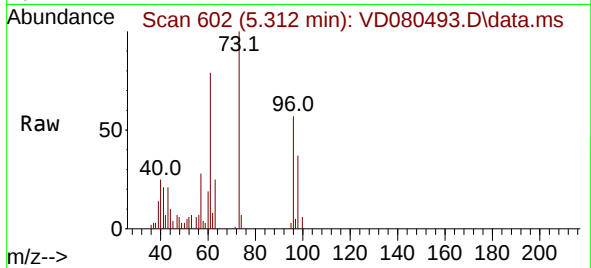




#21
trans-1,2-Dichloroethene
Concen: 4.103 ug/l
RT: 5.312 min Scan# 602
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

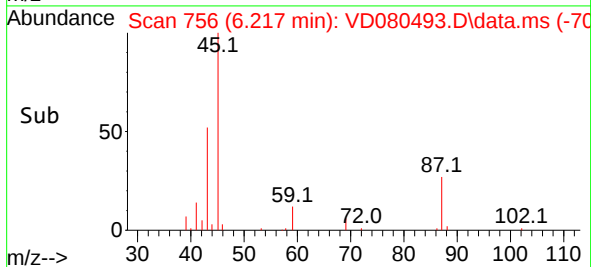
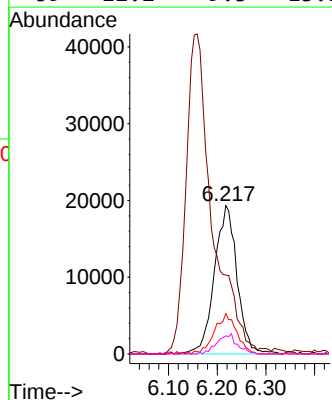
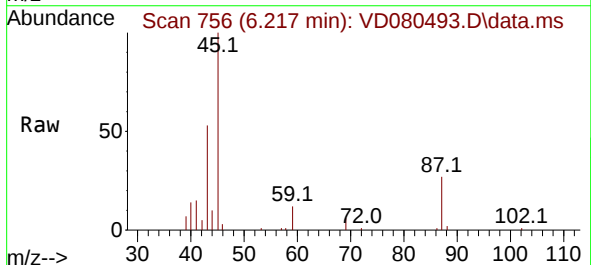
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

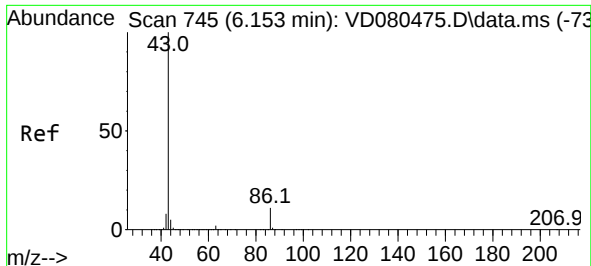
Tgt Ion: 96 Resp: 19719
Ion Ratio Lower Upper
96 100
61 138.2 108.6 163.0
98 64.2 51.5 77.3



#22
Diisopropyl ether
Concen: 4.293 ug/l
RT: 6.217 min Scan# 756
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion: 45 Resp: 62530
Ion Ratio Lower Upper
45 100
43 50.5 39.5 59.3
87 27.2 22.3 33.5
59 12.2 9.3 13.9

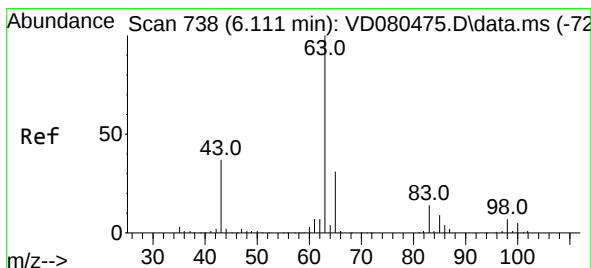
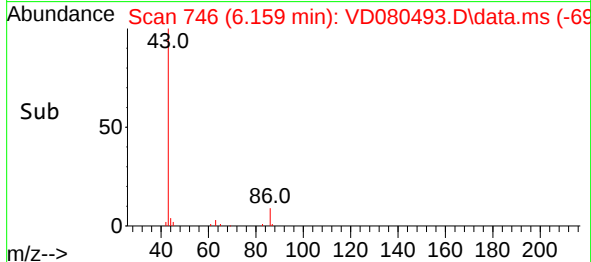
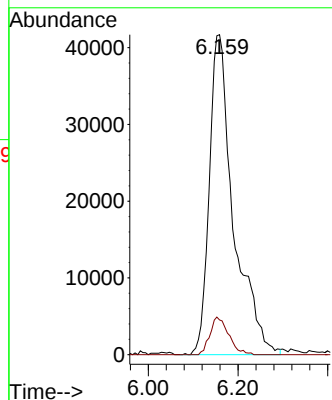
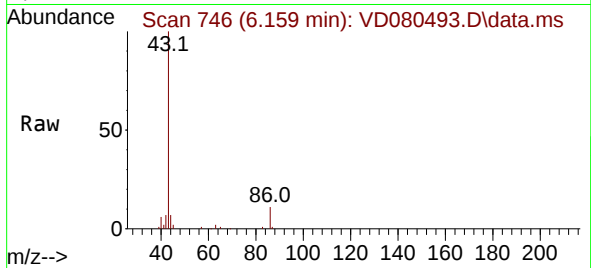




#23
 Vinyl Acetate
 Concen: 18.867 ug/l
 RT: 6.159 min Scan# 745
 Delta R.T. 0.006 min
 Lab File: VD080493.D
 Acq: 27 Jun 2025 14:04

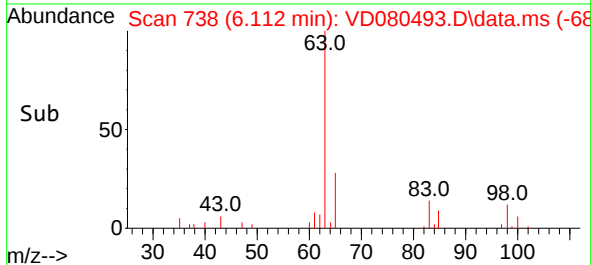
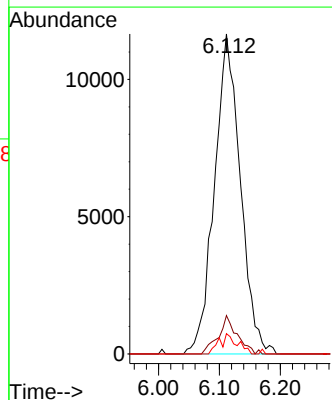
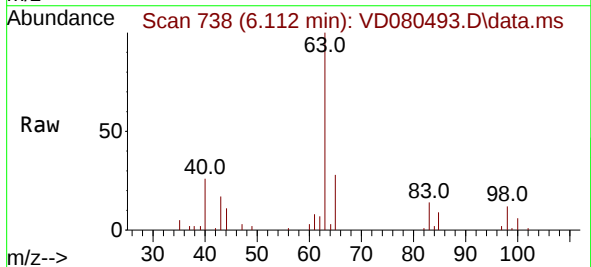
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

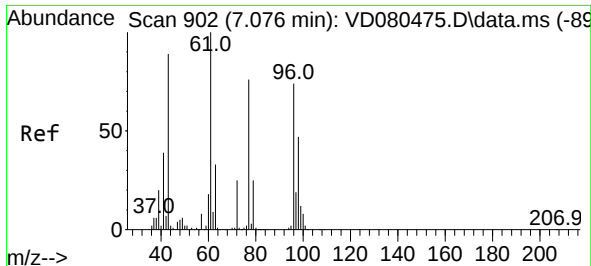
Tgt Ion: 43 Resp: 156608
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 4.028 ug/l
 RT: 6.112 min Scan# 738
 Delta R.T. 0.000 min
 Lab File: VD080493.D
 Acq: 27 Jun 2025 14:04

Tgt Ion: 63 Resp: 34426
 Ion Ratio Lower Upper
 63 100
 98 12.0 3.3 9.9#
 100 6.3 2.5 7.4

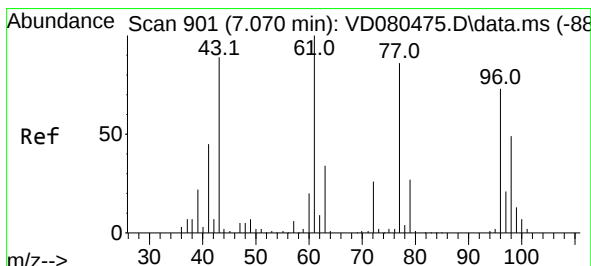
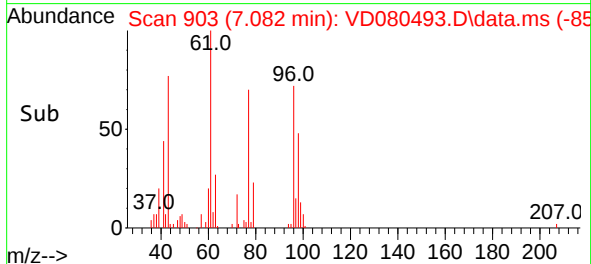
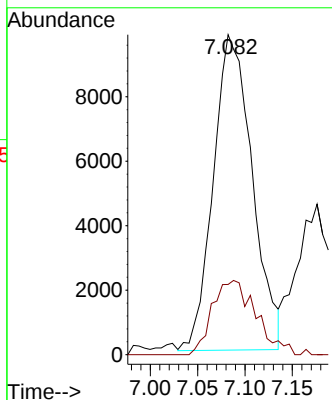
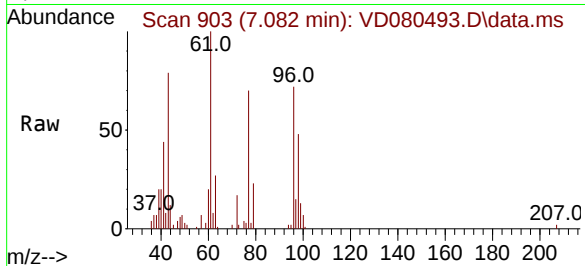




#25
2-Butanone
Concen: 19.798 ug/l
RT: 7.082 min Scan# 902
Delta R.T. 0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

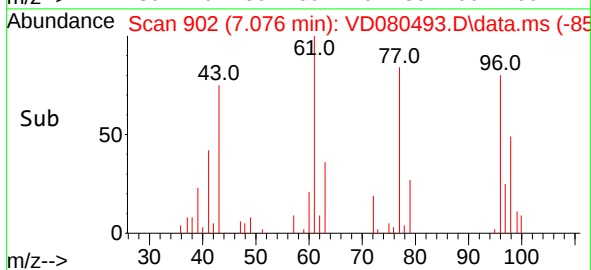
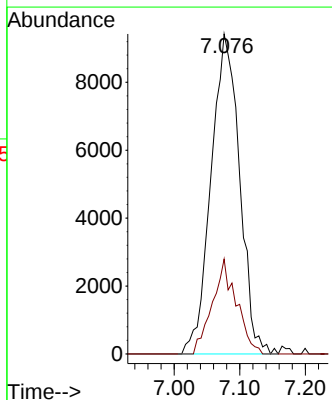
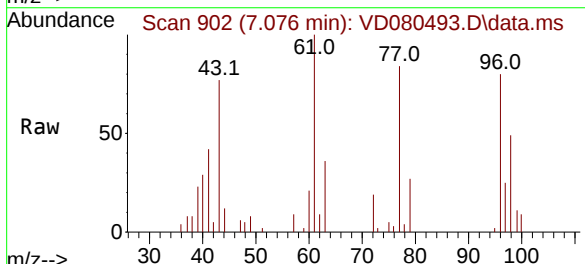
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

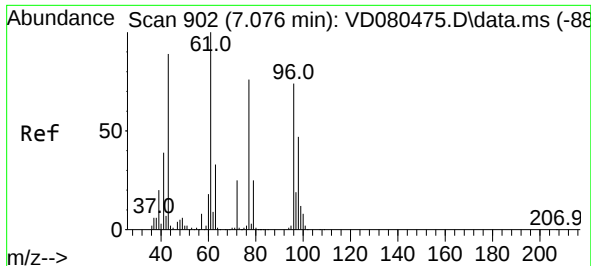
Tgt Ion: 43 Resp: 28022
Ion Ratio Lower Upper
43 100
72 22.3 22.8 34.2#



#26
2,2-Dichloropropane
Concen: 4.213 ug/l
RT: 7.076 min Scan# 902
Delta R.T. 0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion: 77 Resp: 28494
Ion Ratio Lower Upper
77 100
97 25.1 12.2 36.6

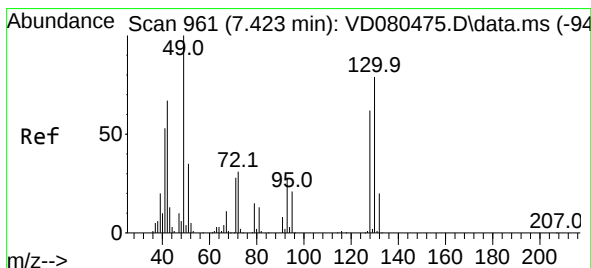
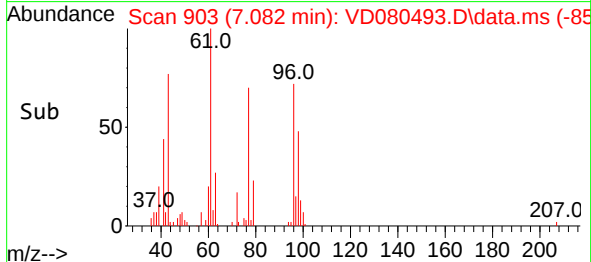
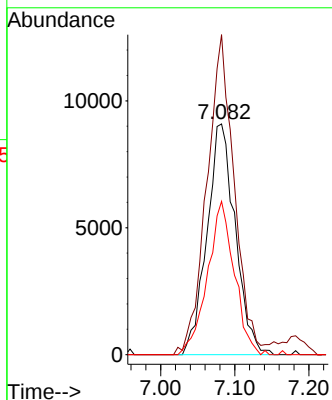
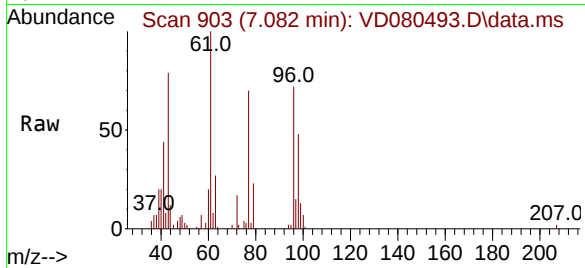




#27
 cis-1,2-Dichloroethene
 Concen: 4.199 ug/l
 RT: 7.082 min Scan# 902
 Delta R.T. 0.006 min
 Lab File: VD080493.D
 Acq: 27 Jun 2025 14:04

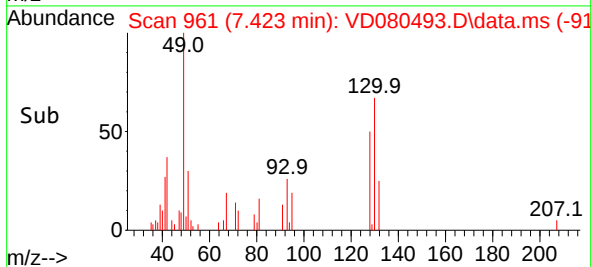
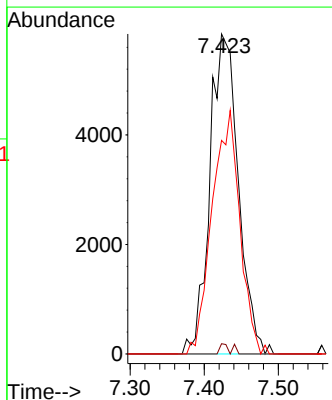
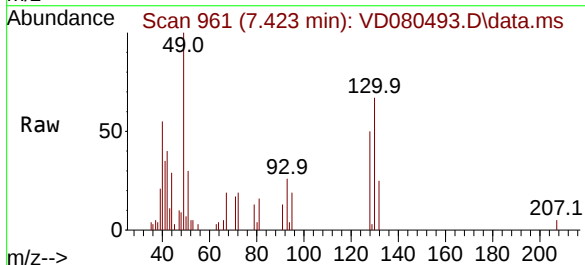
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

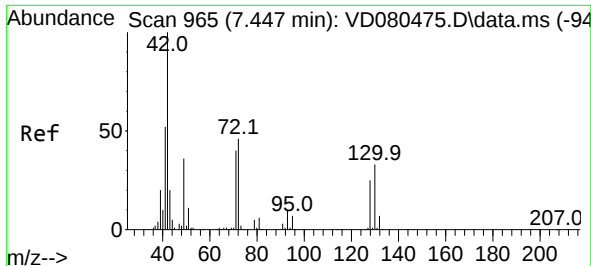
Tgt Ion: 96 Resp: 24126
 Ion Ratio Lower Upper
 96 100
 61 134.2 0.0 274.6
 98 63.0 0.0 128.0



#28
 Bromochloromethane
 Concen: 4.641 ug/l
 RT: 7.423 min Scan# 961
 Delta R.T. 0.000 min
 Lab File: VD080493.D
 Acq: 27 Jun 2025 14:04

Tgt Ion: 49 Resp: 15640
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 4.2
 130 73.8 62.8 94.2





#29

Tetrahydrofuran

Concen: 21.063 ug/l

RT: 7.453 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2025

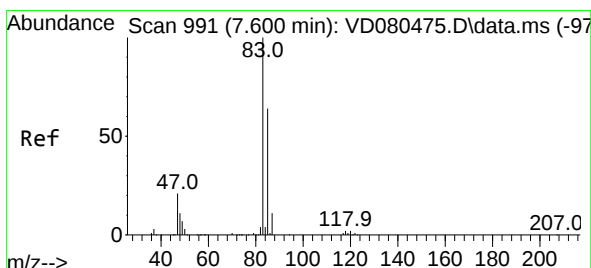
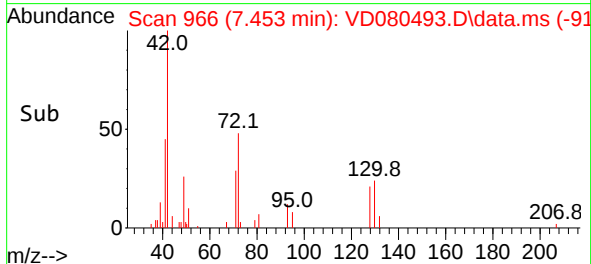
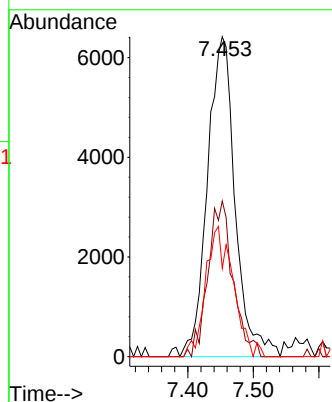
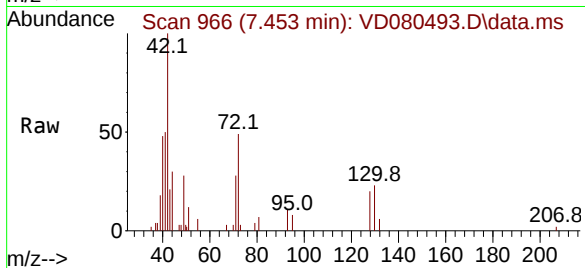
Tgt Ion: 42 Resp: 18782

Ion Ratio Lower Upper

42 100

72 43.9 35.9 53.9

71 39.6 33.2 49.8



#30

Chloroform

Concen: 4.159 ug/l

RT: 7.600 min Scan# 991

Delta R.T. 0.000 min

Lab File: VD080493.D

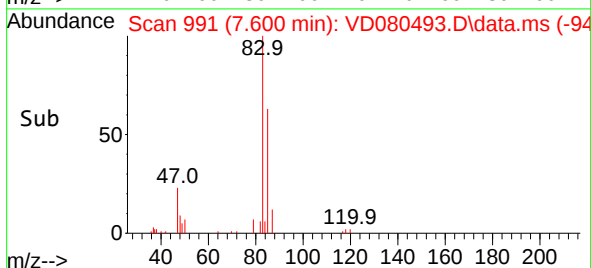
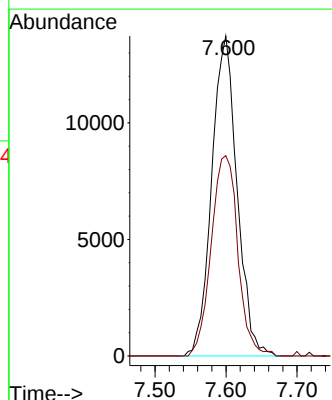
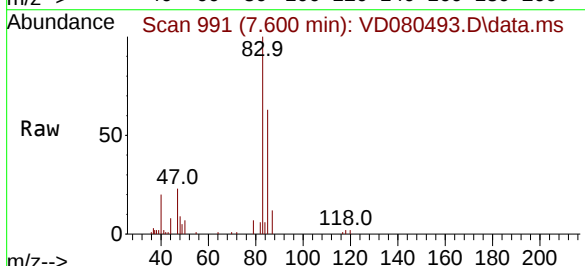
Acq: 27 Jun 2025 14:04

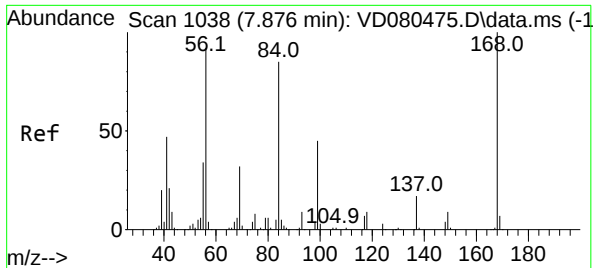
Tgt Ion: 83 Resp: 34030

Ion Ratio Lower Upper

83 100

85 62.6 51.2 76.8

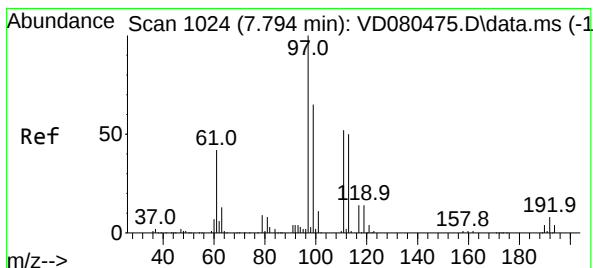
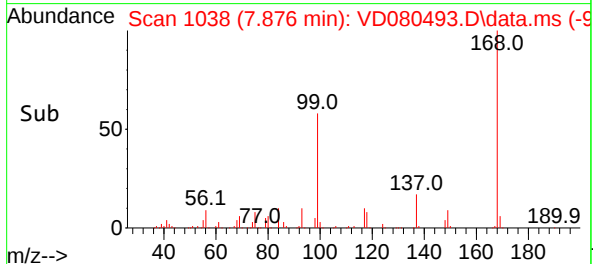
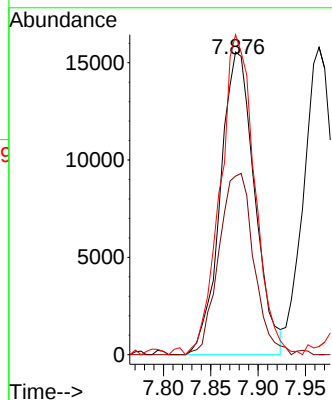
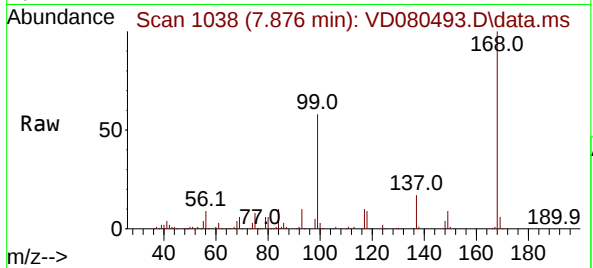




#31
Cyclohexane
Concen: 4.728 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

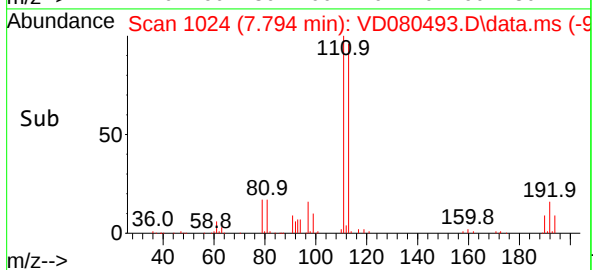
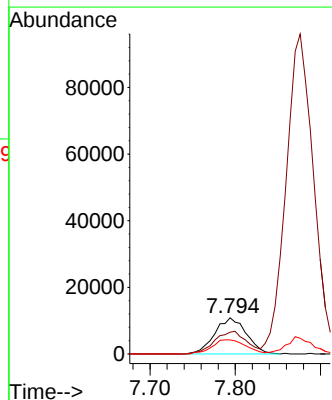
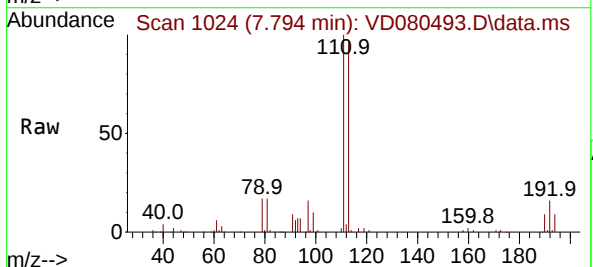
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

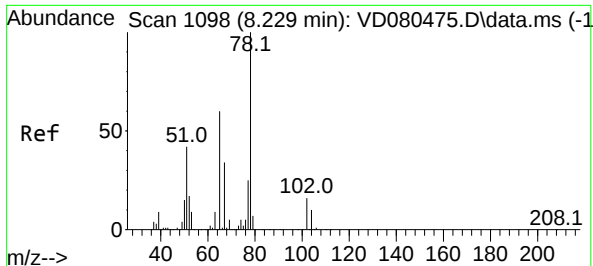
Tgt Ion: 56 Resp: 39162
Ion Ratio Lower Upper
56 100
69 59.0 28.1 42.1#
84 103.5 73.7 110.5



#32
1,1,1-Trichloroethane
Concen: 4.088 ug/l
RT: 7.794 min Scan# 1024
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion: 97 Resp: 27964
Ion Ratio Lower Upper
97 100
99 63.6 51.5 77.3
61 41.6 33.8 50.6





#33

1,2-Dichloroethane-d4

Concen: 55.770 ug/l

RT: 8.229 min Scan# 1098

Delta R.T. 0.000 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

Instrument :

MSVOA_D

ClientSampleId :

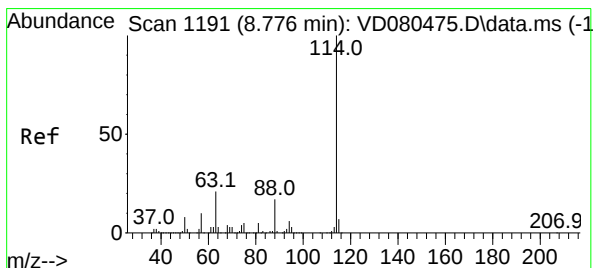
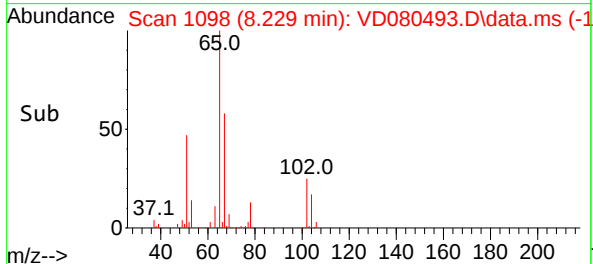
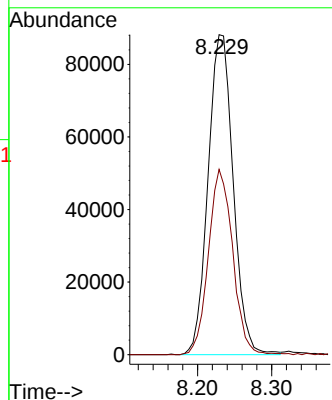
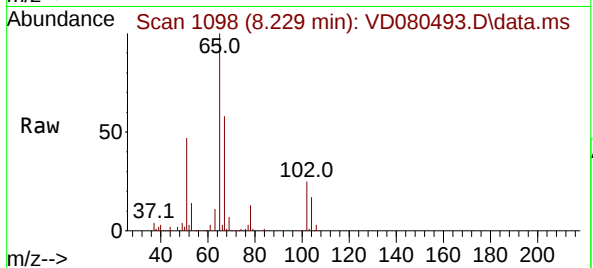
MDL-SOIL-03-QT2-2025

Tgt Ion: 65 Resp: 208150

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: VD080493.D

Acq: 27 Jun 2025 14:04

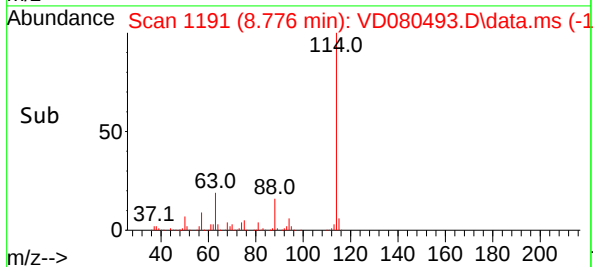
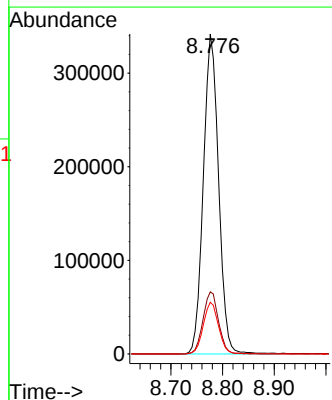
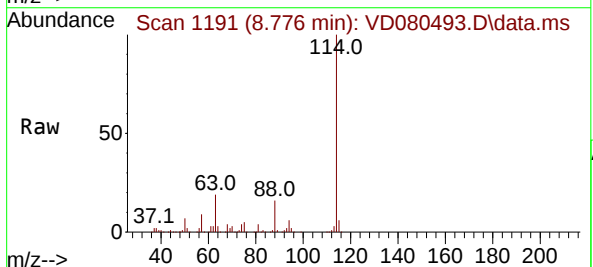
Tgt Ion: 114 Resp: 699521

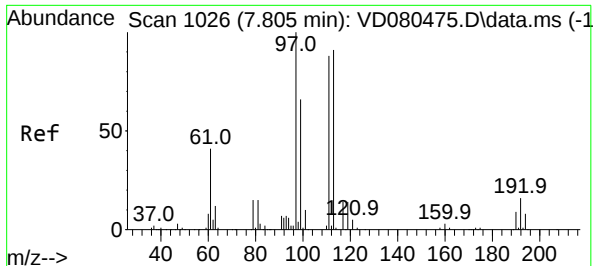
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.0

88 16.2 0.0 33.8





#35

Dibromofluoromethane

Concen: 55.892 ug/l

RT: 7.811 min Scan# 1027

Delta R.T. 0.006 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2025

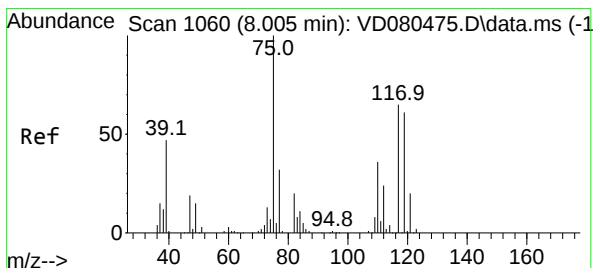
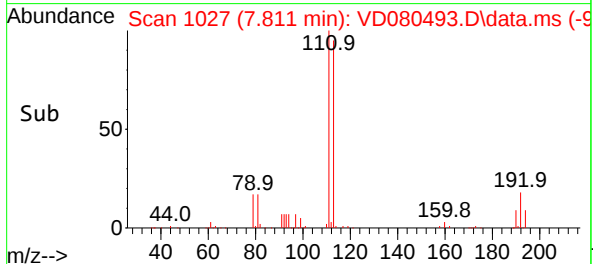
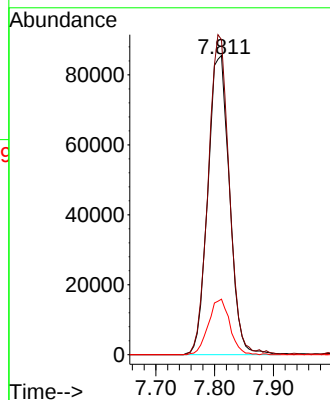
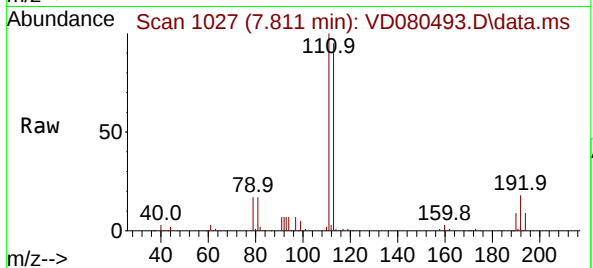
Tgt Ion:113 Resp: 218933

Ion Ratio Lower Upper

113 100

111 104.2 82.5 123.7

192 18.3 15.0 22.6



#36

1,1-Dichloropropene

Concen: 4.206 ug/l

RT: 8.011 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

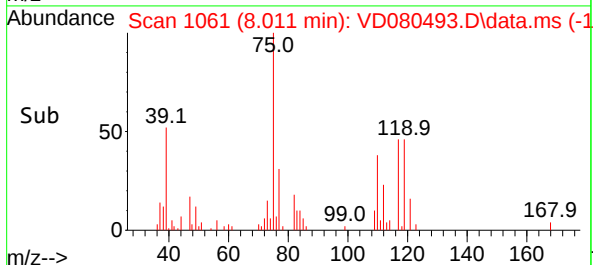
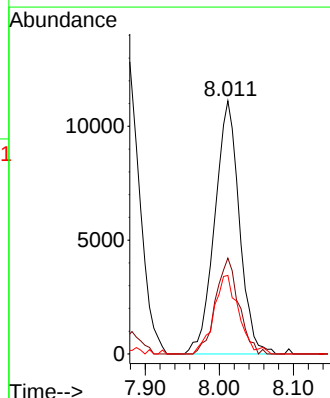
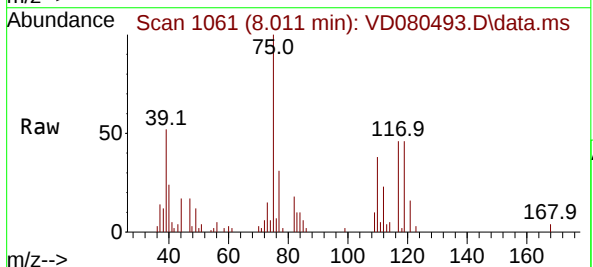
Tgt Ion: 75 Resp: 25732

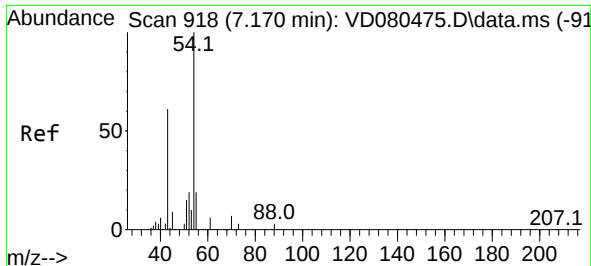
Ion Ratio Lower Upper

75 100

110 35.5 18.2 54.6

77 31.3 25.2 37.8





#37

Ethyl Acetate

Concen: 3.968 ug/l

RT: 7.176 min Scan# 918

Delta R.T. 0.006 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2025

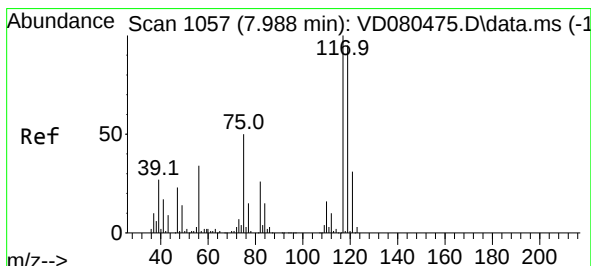
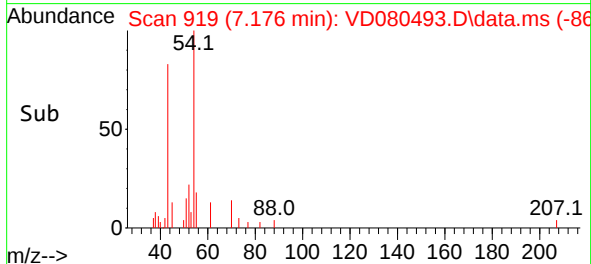
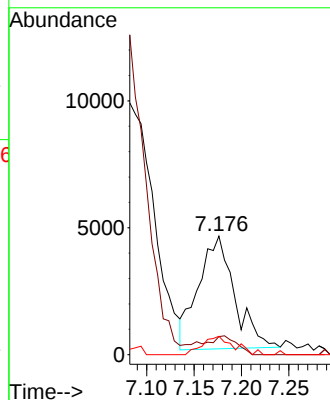
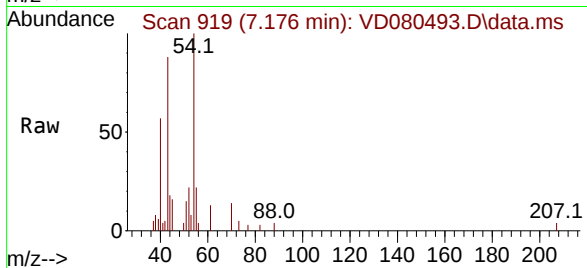
Tgt Ion: 43 Resp: 11797

Ion Ratio Lower Upper

43 100

61 9.0 12.2 18.2#

70 14.2 9.2 13.8#



#38

Carbon Tetrachloride

Concen: 3.935 ug/l

RT: 8.000 min Scan# 1059

Delta R.T. 0.012 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

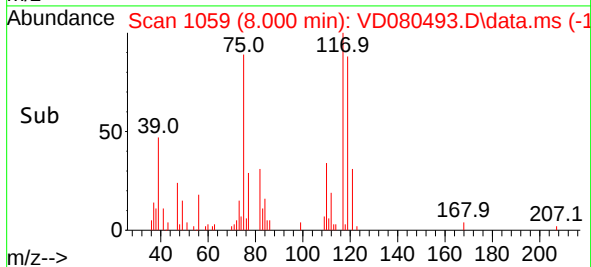
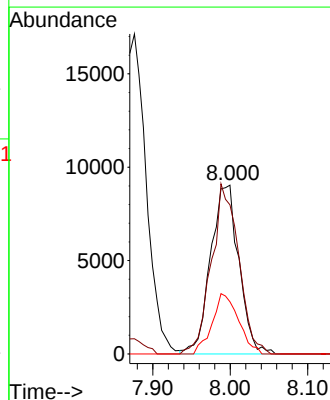
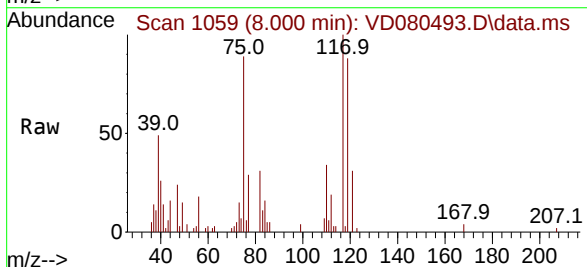
Tgt Ion: 117 Resp: 23002

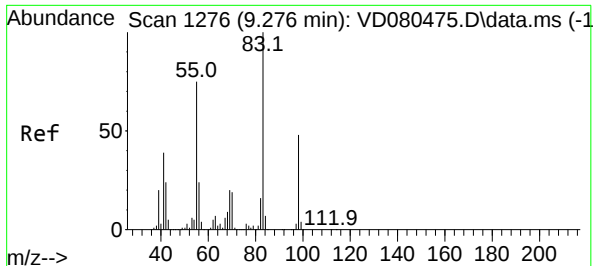
Ion Ratio Lower Upper

117 100

119 88.4 75.8 113.6

121 30.9 25.0 37.4





#39

Methylcyclohexane

Concen: 3.775 ug/l

RT: 9.276 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2025

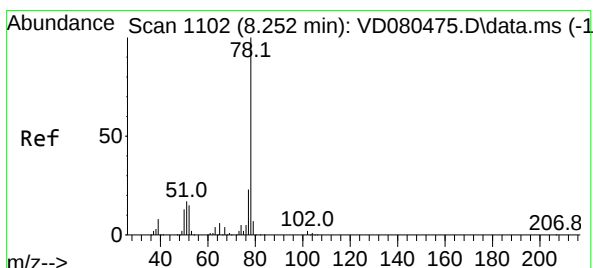
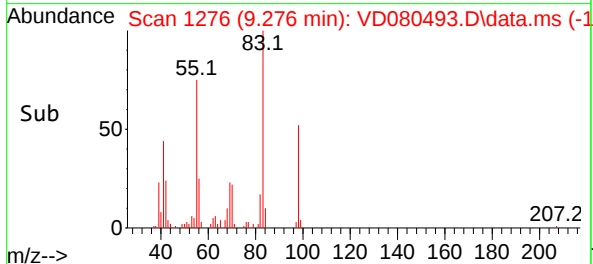
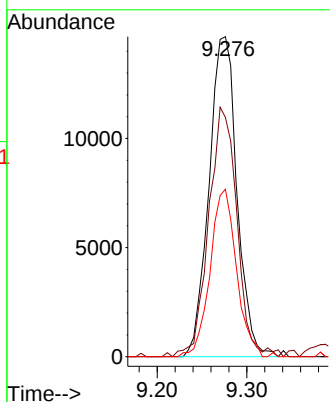
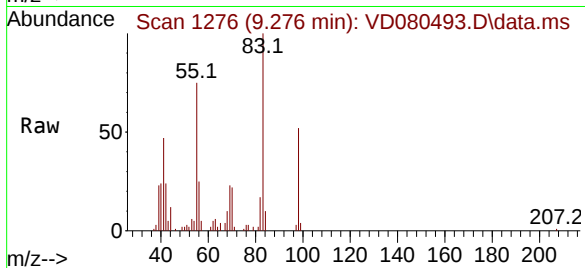
Tgt Ion: 83 Resp: 31798

Ion Ratio Lower Upper

83 100

55 73.0 59.8 89.8

98 52.4 38.2 57.2



#40

Benzene

Concen: 4.049 ug/l

RT: 8.253 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VD080493.D

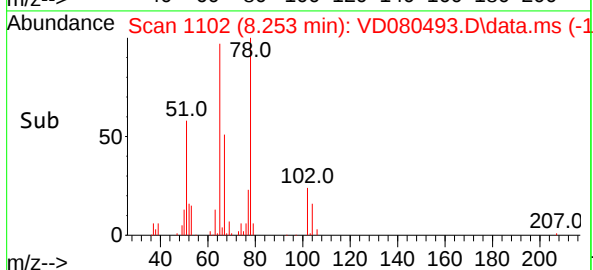
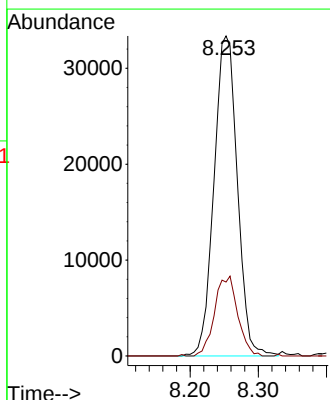
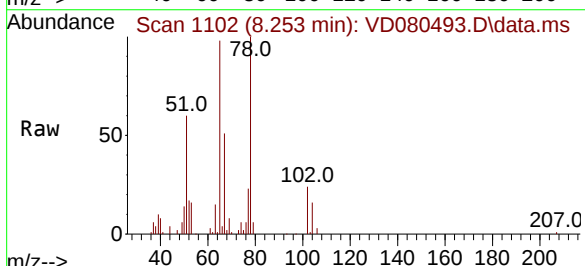
Acq: 27 Jun 2025 14:04

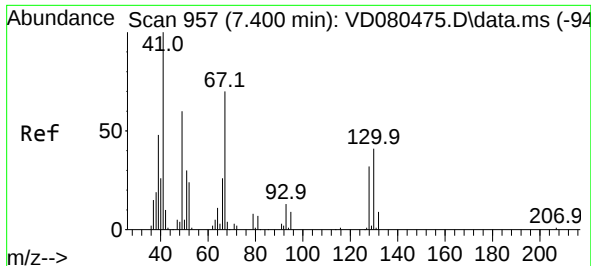
Tgt Ion: 78 Resp: 79505

Ion Ratio Lower Upper

78 100

77 23.1 18.6 28.0

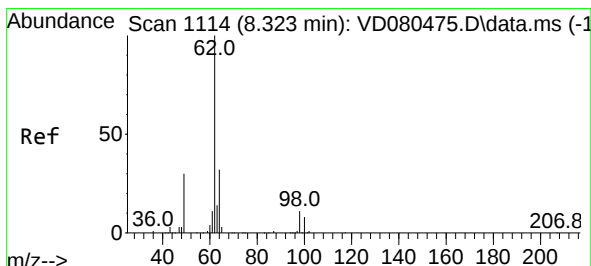
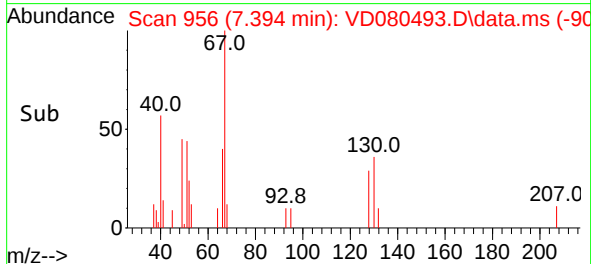
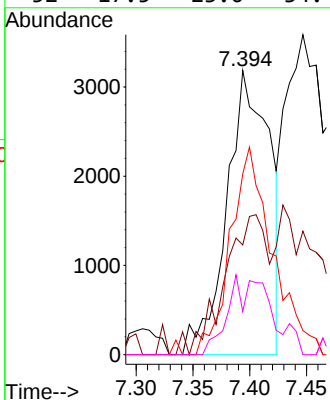
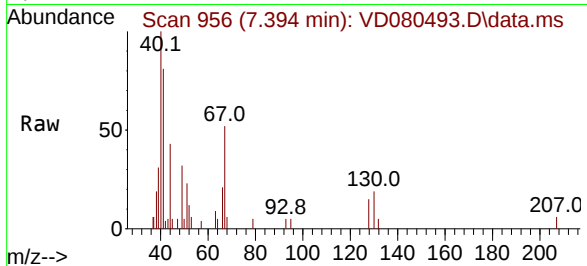




#41
Methacrylonitrile
Concen: 4.371 ug/l
RT: 7.394 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

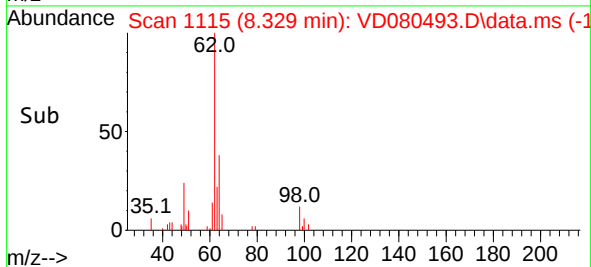
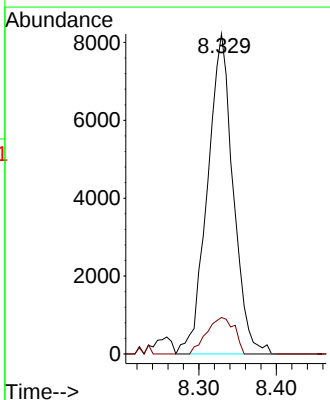
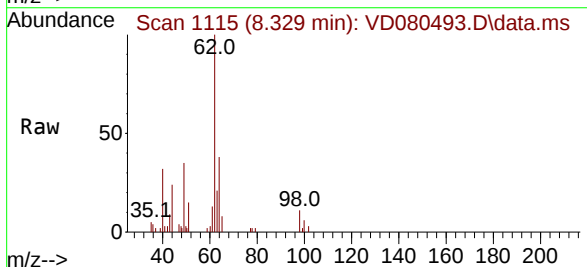
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

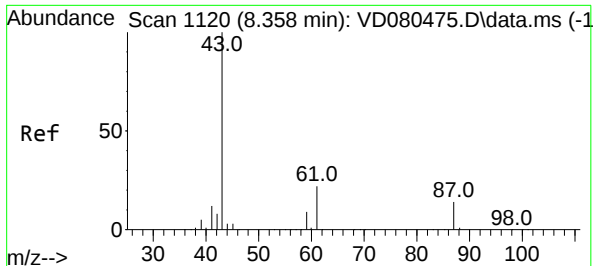
Tgt Ion:	41	Resp:	8306
Ion	Ratio	Lower	Upper
41	100		
39	48.1	43.4	65.0
67	72.0	59.2	88.8
52	17.5	23.0	34.4



#42
1,2-Dichloroethane
Concen: 4.105 ug/l
RT: 8.329 min Scan# 1115
Delta R.T. 0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion:	62	Resp:	18959
Ion	Ratio	Lower	Upper
62	100		
98	12.3	0.0	22.0

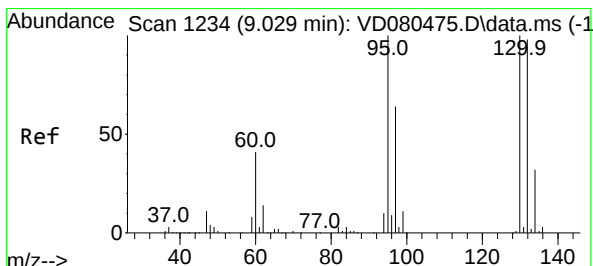
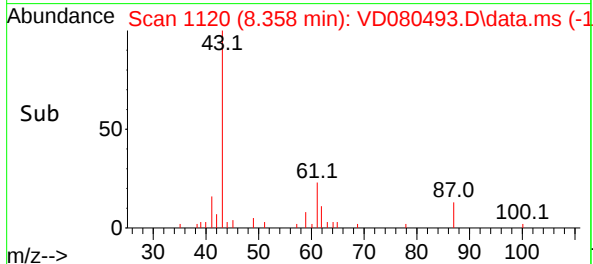
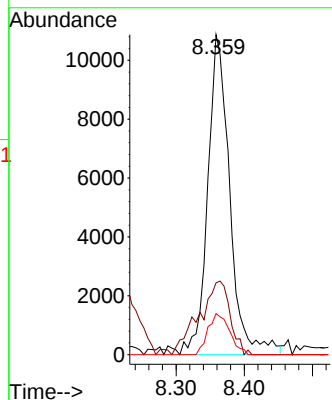
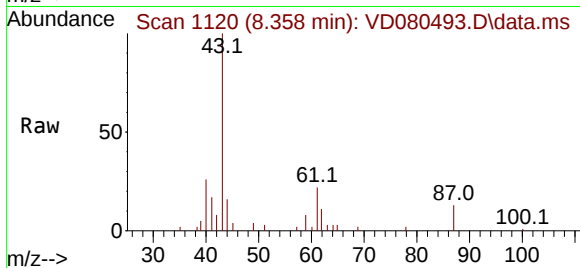




#43
Isopropyl Acetate
Concen: 4.182 ug/l
RT: 8.358 min Scan# 1120
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

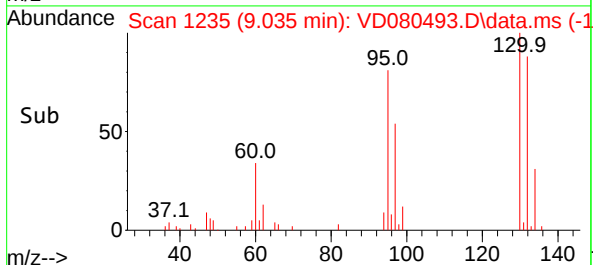
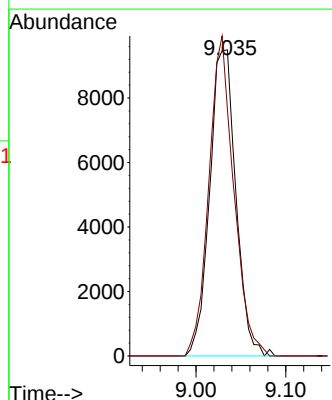
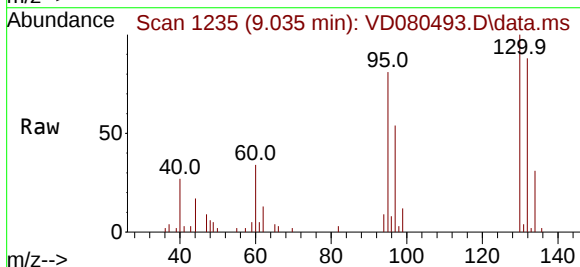
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

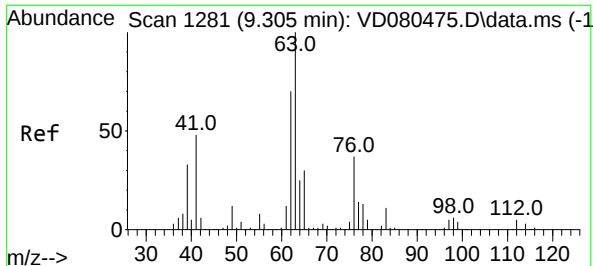
Tgt Ion: 43	Resp: 24471
Ion Ratio	Lower Upper
43	100
61	32.3 24.4 36.6
87	12.6 11.4 17.2



#44
Trichloroethene
Concen: 4.046 ug/l
RT: 9.035 min Scan# 1235
Delta R.T. 0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion: 130	Resp: 19253
Ion Ratio	Lower Upper
130	100
95	80.7 0.0 200.6





#45

1,2-Dichloropropane

Concen: 3.943 ug/l

RT: 9.306 min Scan# 1281

Delta R.T. 0.000 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

Instrument :

MSVOA_D

ClientSampleId :

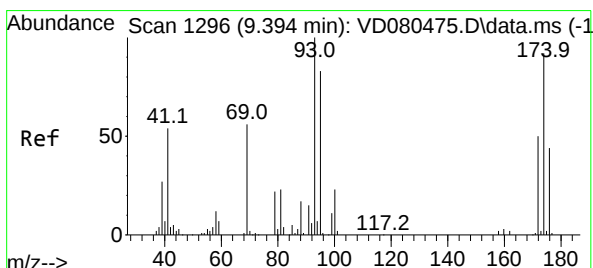
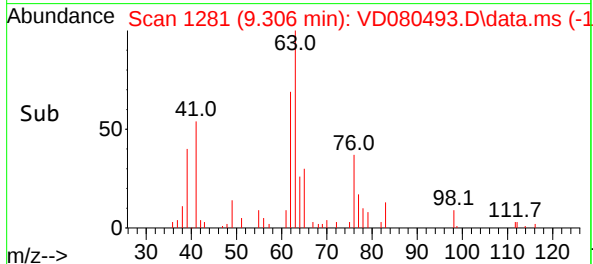
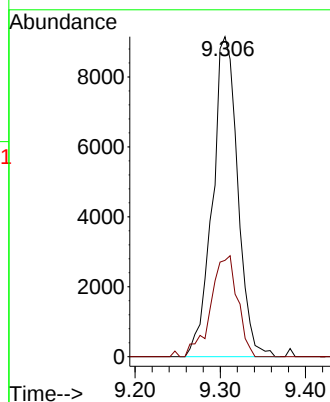
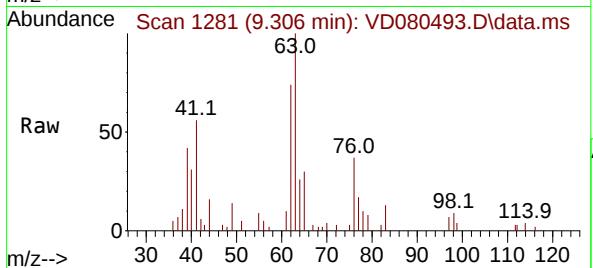
MDL-SOIL-03-QT2-2025

Tgt Ion: 63 Resp: 18777

Ion Ratio Lower Upper

63 100

65 30.1 24.0 36.0



#46

Dibromomethane

Concen: 4.215 ug/l

RT: 9.394 min Scan# 1296

Delta R.T. 0.000 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

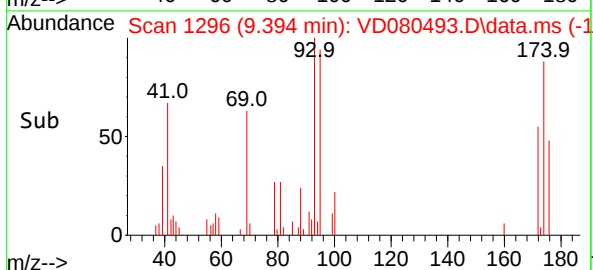
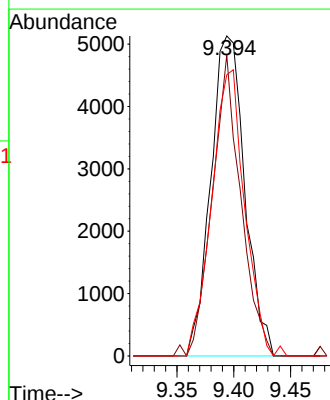
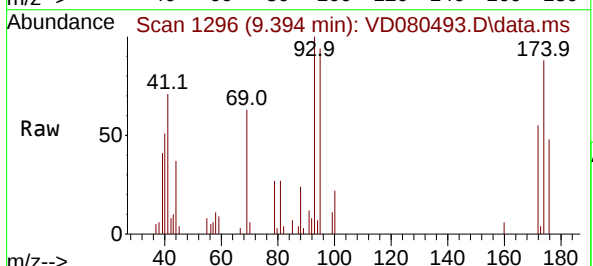
Tgt Ion: 93 Resp: 10701

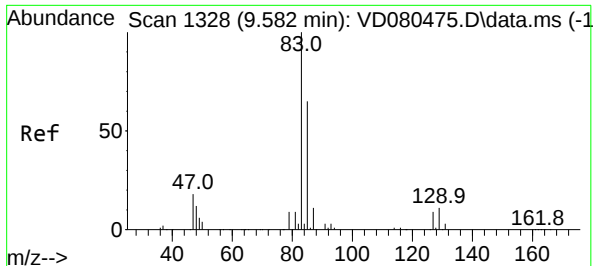
Ion Ratio Lower Upper

93 100

95 79.0 66.2 99.4

174 86.9 75.4 113.0

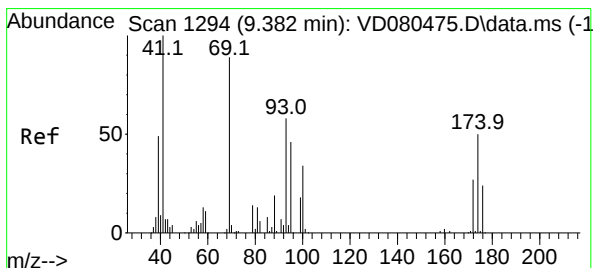
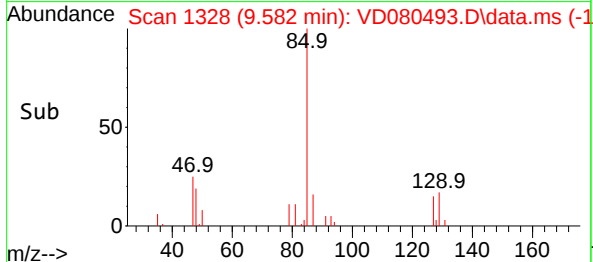
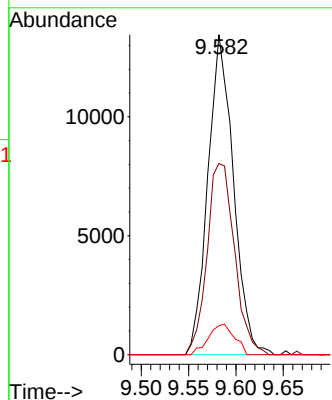
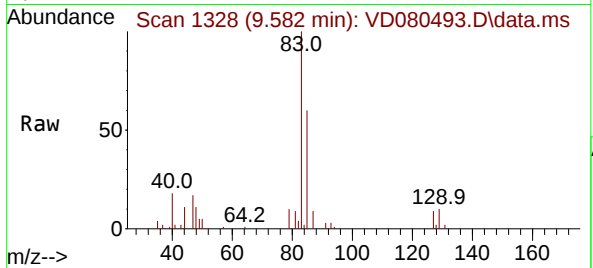




#47
Bromodichloromethane
Concen: 4.001 ug/l
RT: 9.582 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

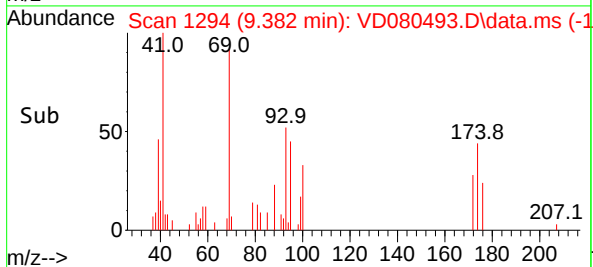
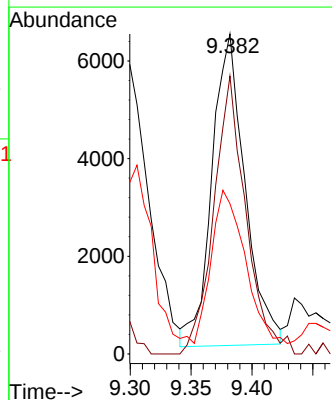
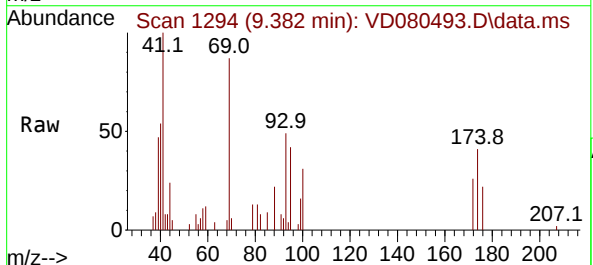
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

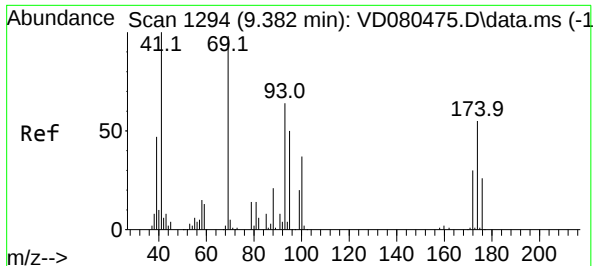
Tgt Ion: 83	Resp: 25185
Ion Ratio	Lower Upper
83 100	
85 59.8	52.2 78.2
127 9.0	6.9 10.3



#48
Methyl methacrylate
Concen: 4.077 ug/l
RT: 9.382 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion: 41	Resp: 12068
Ion Ratio	Lower Upper
41 100	
69 86.7	70.2 105.4
39 51.3	40.2 60.2





#49

1,4-Dioxane

Concen: 82.218 ug/l

RT: 9.382 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2025

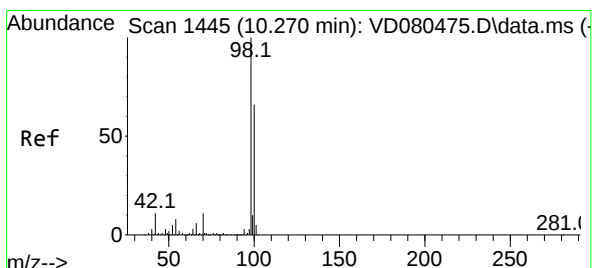
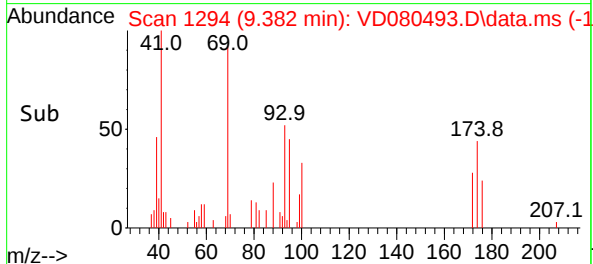
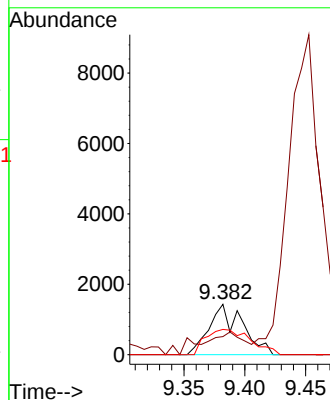
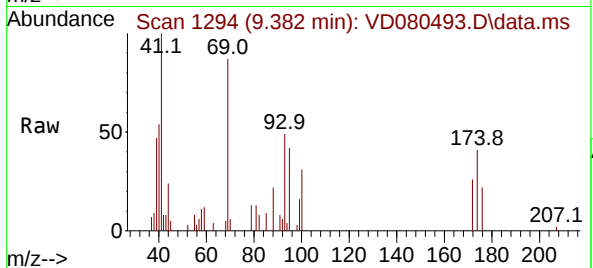
Tgt Ion: 88 Resp: 2708

Ion Ratio Lower Upper

88 100

43 21.7 26.7 40.1#

58 67.8 56.4 84.6



#50

Toluene-d8

Concen: 55.570 ug/l

RT: 10.270 min Scan# 1445

Delta R.T. 0.000 min

Lab File: VD080493.D

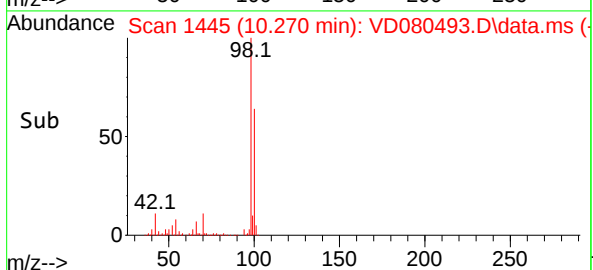
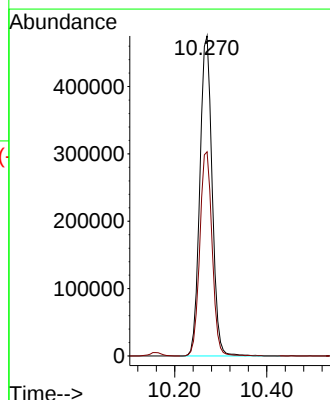
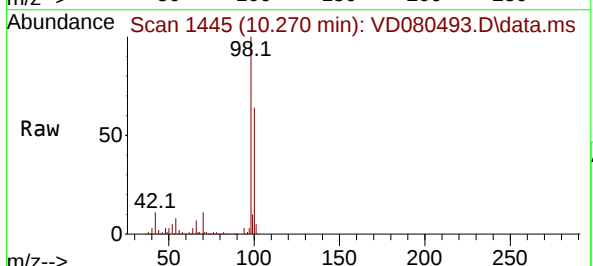
Acq: 27 Jun 2025 14:04

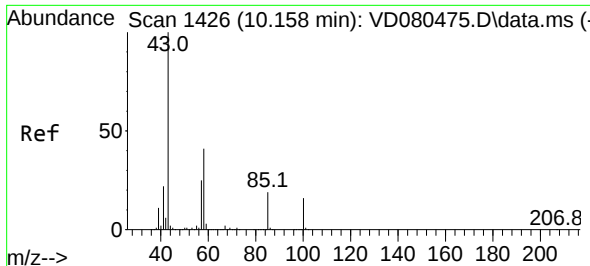
Tgt Ion: 98 Resp: 879351

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.4

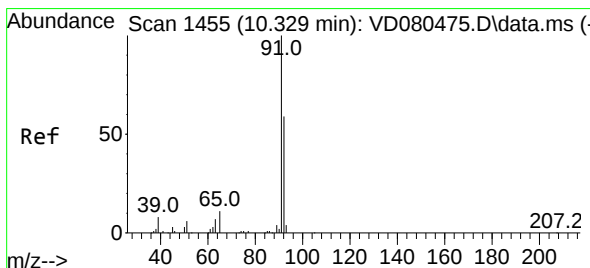
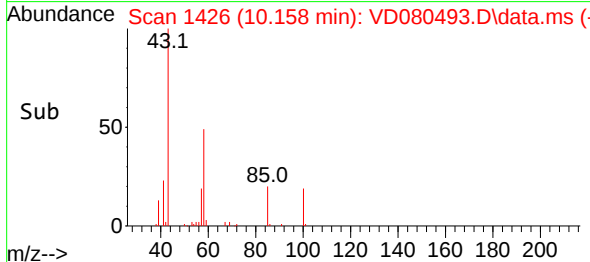
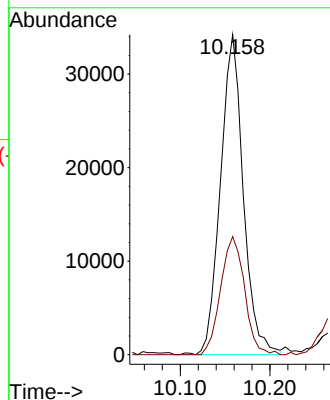
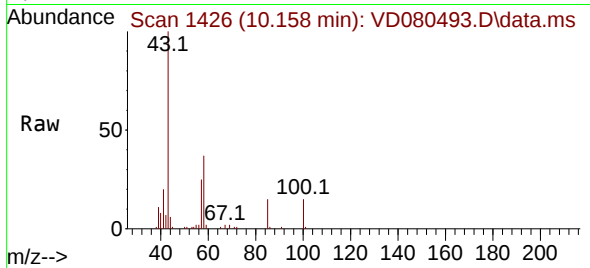




#51
4-Methyl-2-Pentanone
Concen: 20.347 ug/l
RT: 10.158 min Scan# 1426
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

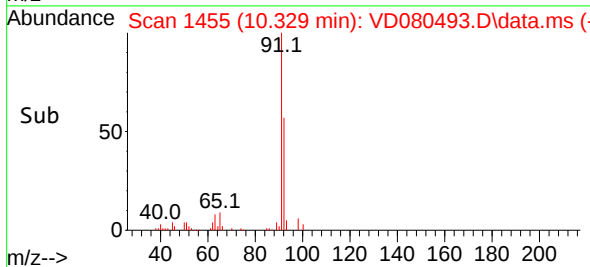
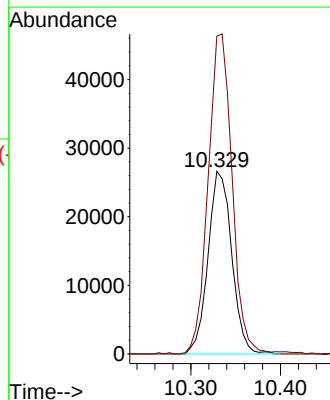
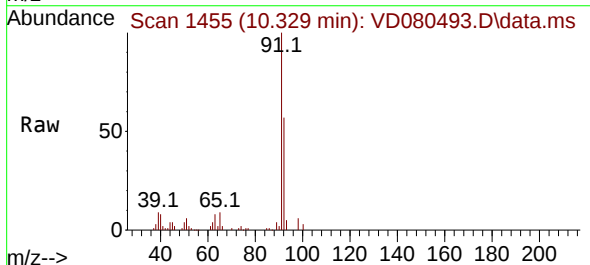
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

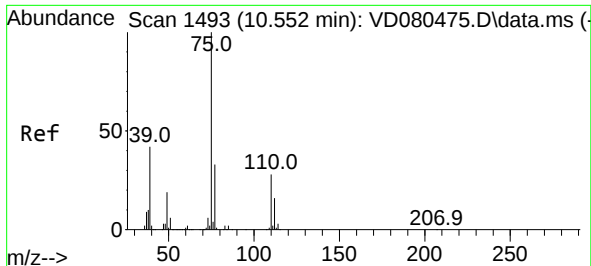
Tgt Ion: 43 Resp: 60460
Ion Ratio Lower Upper
43 100
58 38.6 33.3 49.9



#52
Toluene
Concen: 3.984 ug/l
RT: 10.329 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion: 92 Resp: 48891
Ion Ratio Lower Upper
92 100
91 177.0 137.1 205.7

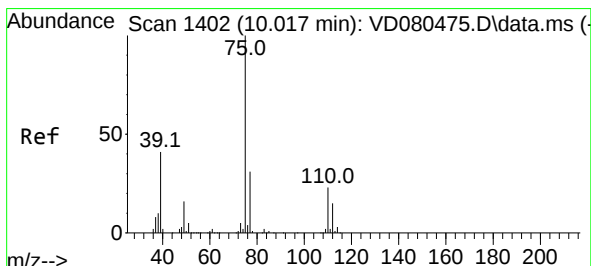
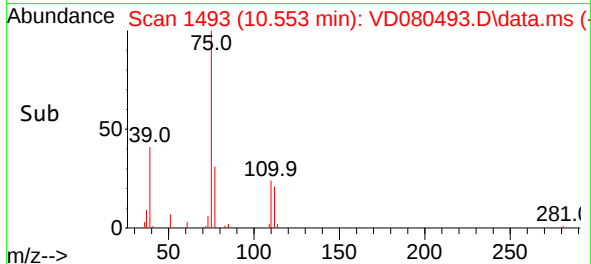
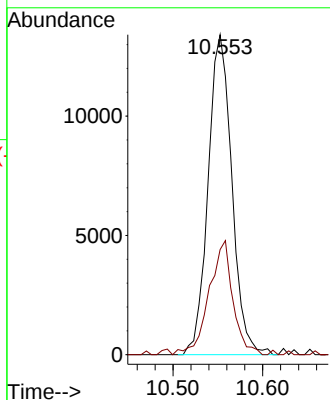
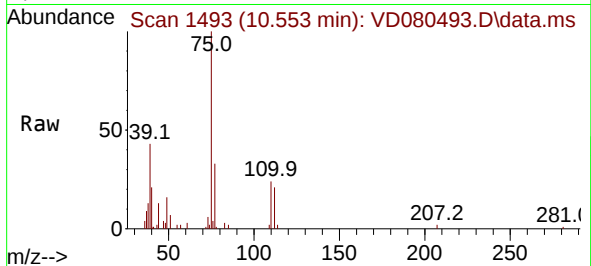




#53
 t-1,3-Dichloropropene
 Concen: 3.915 ug/l
 RT: 10.553 min Scan# 1493
 Delta R.T. 0.000 min
 Lab File: VD080493.D
 Acq: 27 Jun 2025 14:04

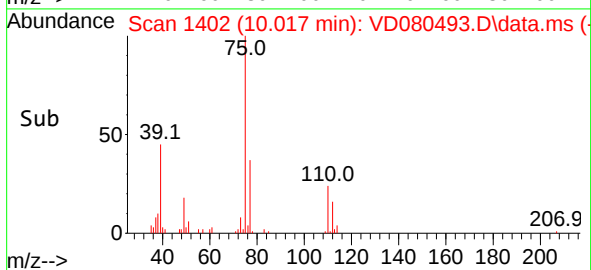
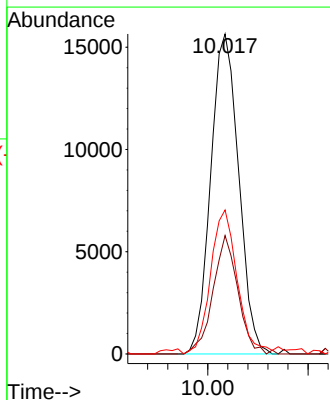
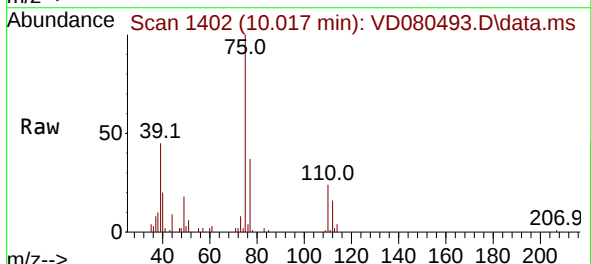
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

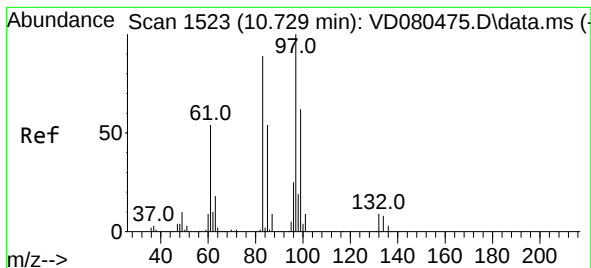
Tgt Ion: 75 Resp: 24683
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 3.995 ug/l
 RT: 10.017 min Scan# 1402
 Delta R.T. 0.000 min
 Lab File: VD080493.D
 Acq: 27 Jun 2025 14:04

Tgt Ion: 75 Resp: 30254
 Ion Ratio Lower Upper
 75 100
 77 37.0 24.9 37.3
 39 43.4 32.5 48.7

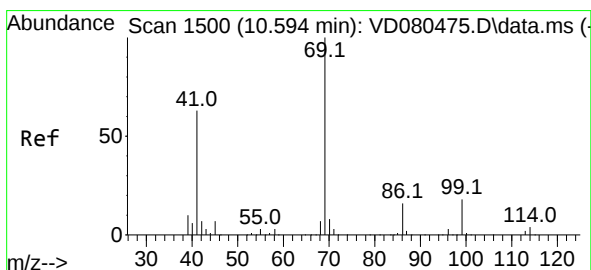
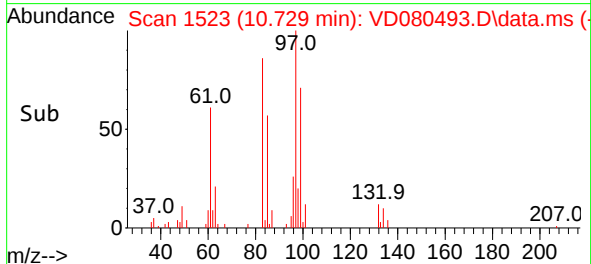
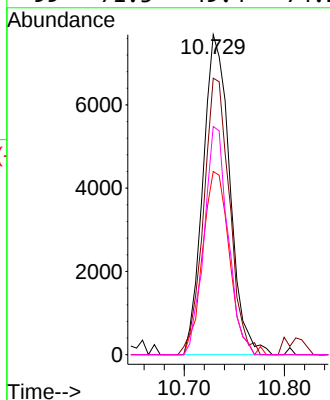
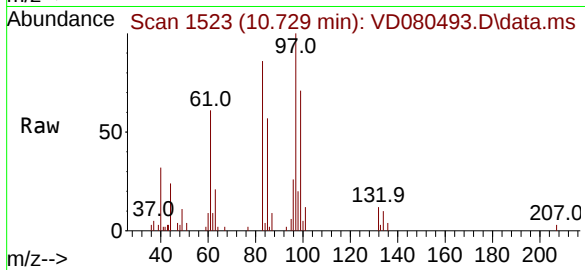




#55
1,1,2-Trichloroethane
Concen: 4.133 ug/l
RT: 10.729 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

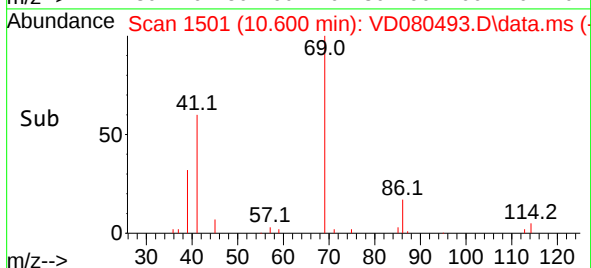
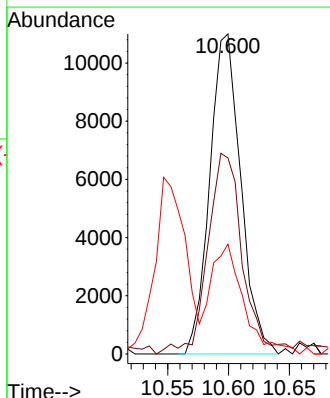
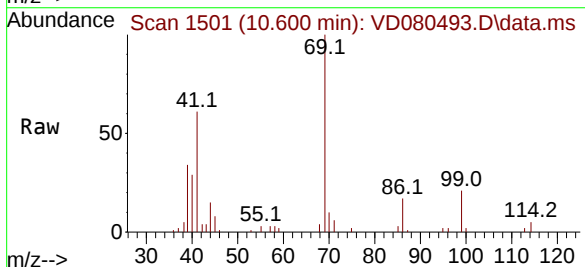
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

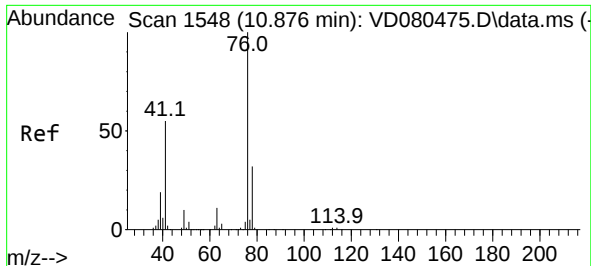
Tgt Ion:	97	Resp:	14305
Ion	Ratio	Lower	Upper
97	100		
83	86.4	71.4	107.2
85	57.3	43.4	65.2
99	71.3	49.4	74.2



#56
Ethyl methacrylate
Concen: 3.947 ug/l
RT: 10.600 min Scan# 1501
Delta R.T. 0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion:	69	Resp:	19501
Ion	Ratio	Lower	Upper
69	100		
41	70.1	50.7	76.1
39	36.7	23.4	35.2





#57

1,3-Dichloropropane

Concen: 3.992 ug/l

RT: 10.876 min Scan# 1548

Delta R.T. 0.000 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

Instrument :

MSVOA_D

ClientSampleId :

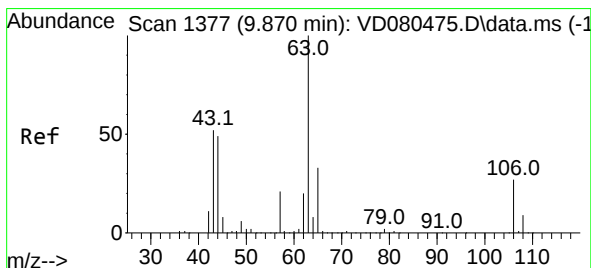
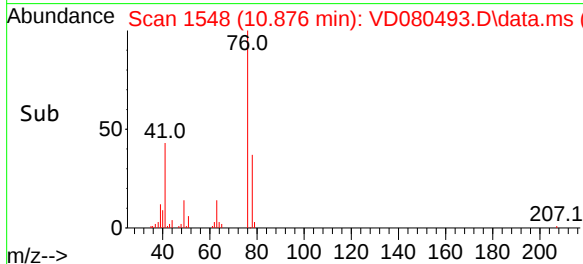
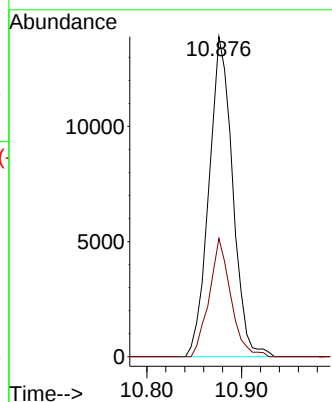
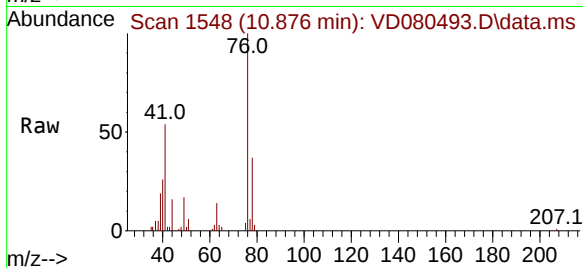
MDL-SOIL-03-QT2-2025

Tgt Ion: 76 Resp: 24176

Ion Ratio Lower Upper

76 100

78 33.8 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 20.782 ug/l

RT: 9.870 min Scan# 1377

Delta R.T. 0.000 min

Lab File: VD080493.D

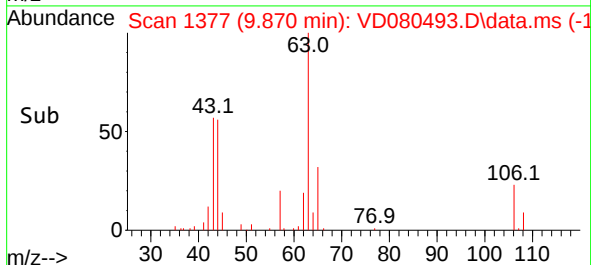
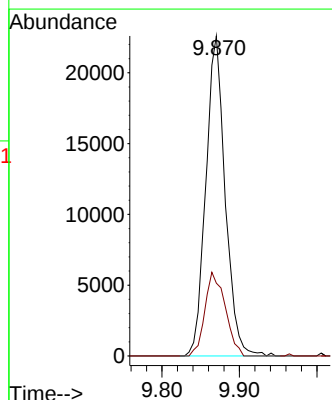
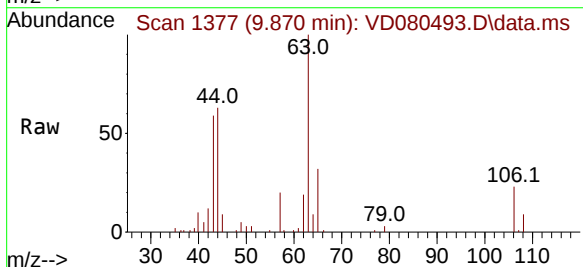
Acq: 27 Jun 2025 14:04

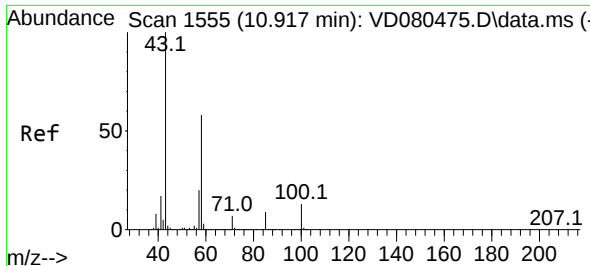
Tgt Ion: 63 Resp: 39212

Ion Ratio Lower Upper

63 100

106 27.4 21.7 32.5

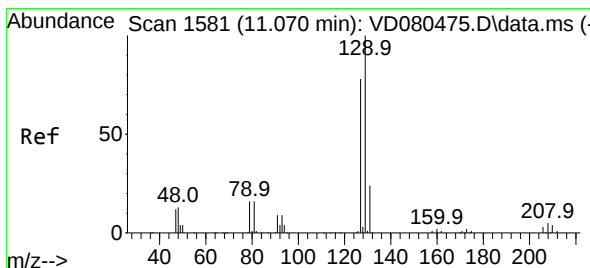
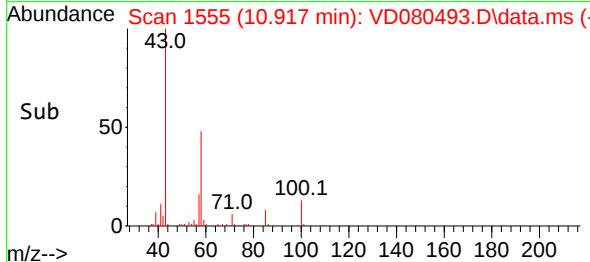
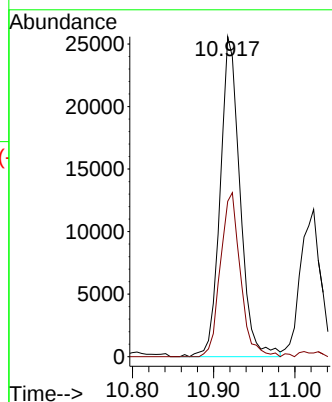
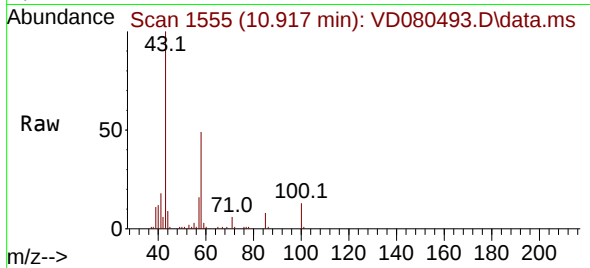




#59
2-Hexanone
Concen: 20.705 ug/l
RT: 10.917 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

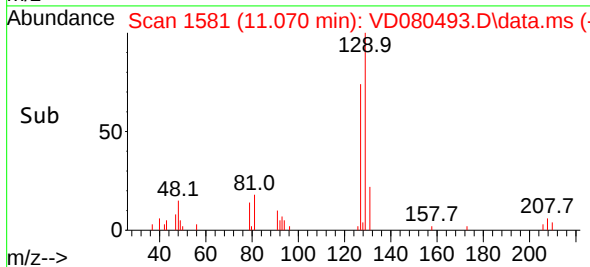
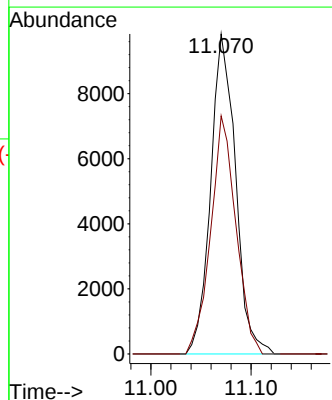
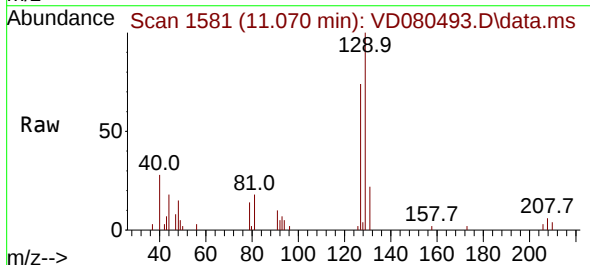
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

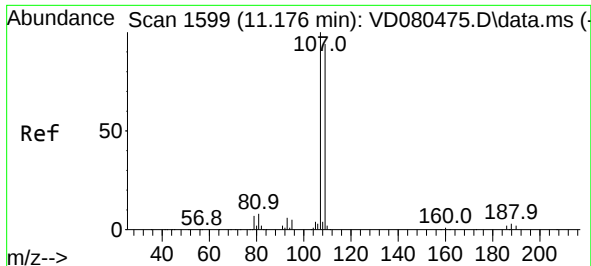
Tgt Ion: 43 Resp: 43545
Ion Ratio Lower Upper
43 100
58 51.6 29.0 87.1



#60
Dibromochloromethane
Concen: 3.958 ug/l
RT: 11.070 min Scan# 1581
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion: 129 Resp: 16908
Ion Ratio Lower Upper
129 100
127 75.7 38.4 115.2

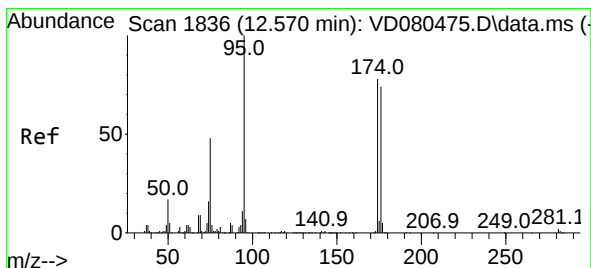
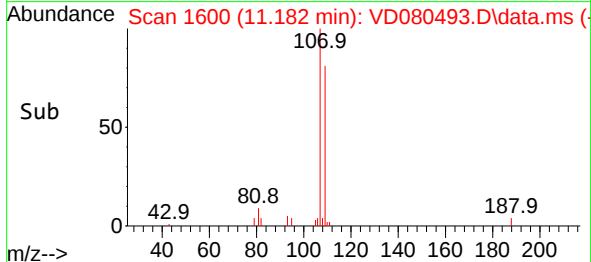
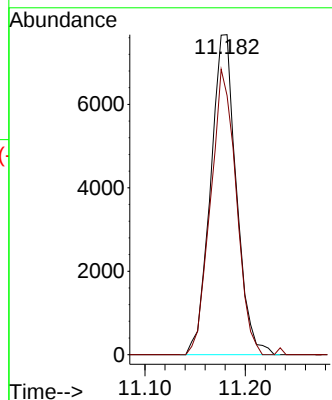
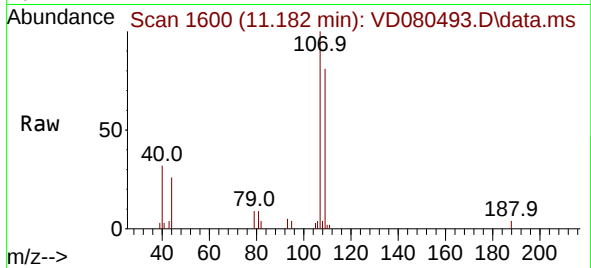




#61
1,2-Dibromoethane
Concen: 4.151 ug/l
RT: 11.182 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

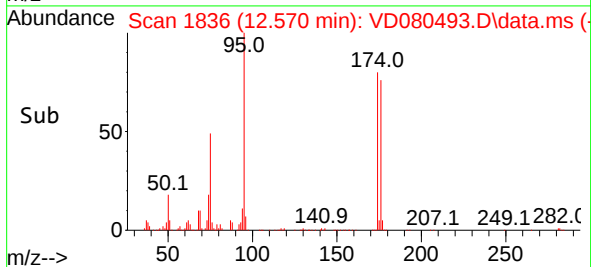
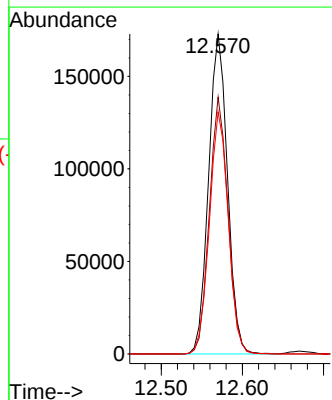
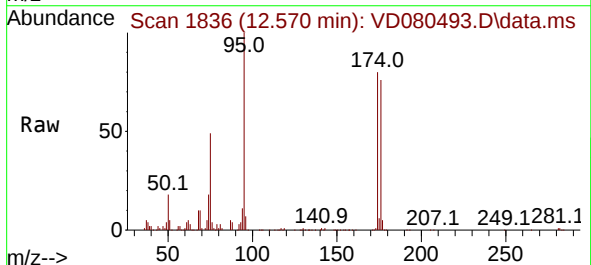
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

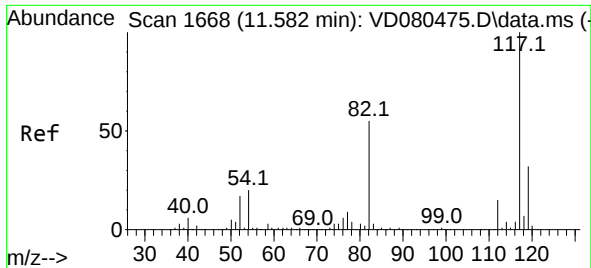
Tgt Ion:107 Resp: 13736
Ion Ratio Lower Upper
107 100
109 88.1 75.4 113.0



#62
4-Bromofluorobenzene
Concen: 53.833 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion: 95 Resp: 279318
Ion Ratio Lower Upper
95 100
174 79.2 0.0 154.0
176 75.4 0.0 149.6

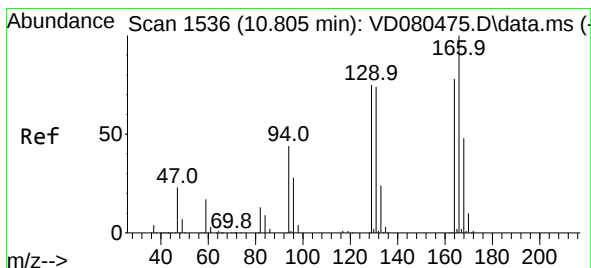
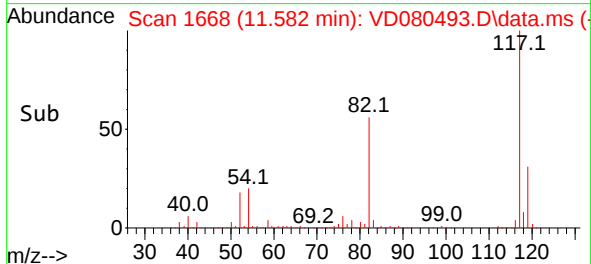
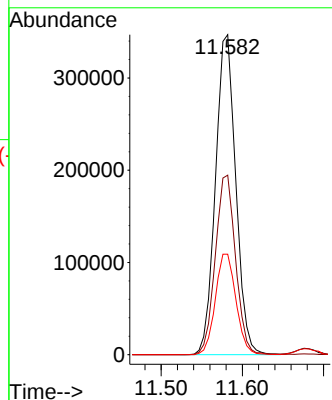
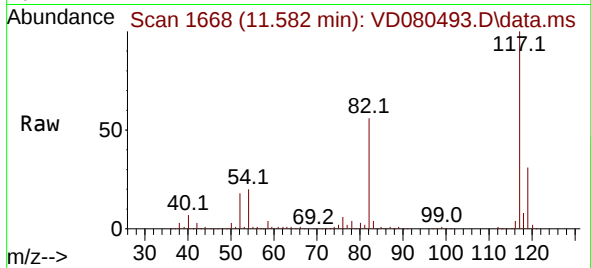




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

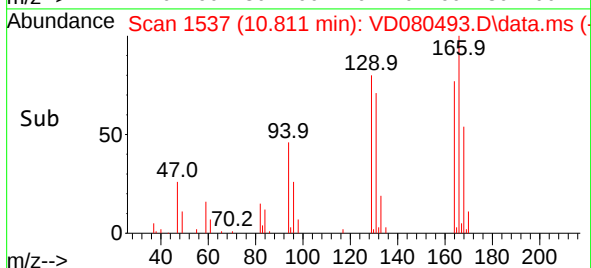
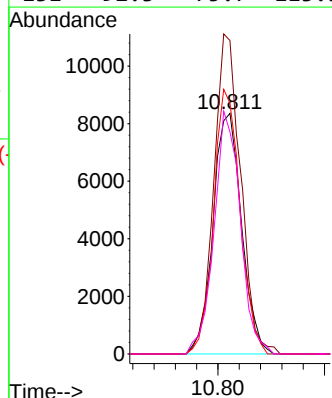
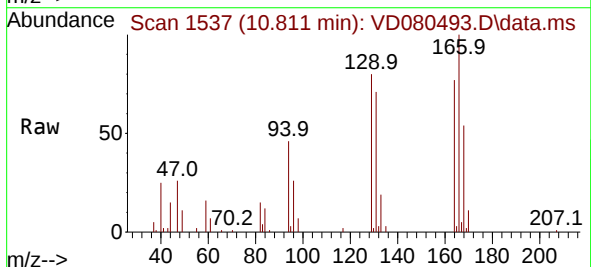
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

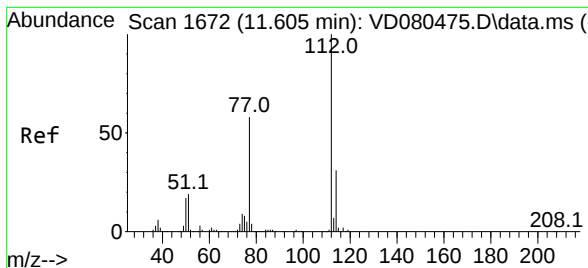
Tgt Ion:117 Resp: 604077
Ion Ratio Lower Upper
117 100
82 56.1 43.7 65.5
119 31.4 25.8 38.6



#64
Tetrachloroethene
Concen: 4.138 ug/l
RT: 10.811 min Scan# 1537
Delta R.T. 0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion:164 Resp: 15515
Ion Ratio Lower Upper
164 100
166 130.3 102.6 153.8
129 104.2 76.6 115.0
131 92.3 75.7 113.5





#65

Chlorobenzene

Concen: 4.121 ug/l

RT: 11.605 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

Instrument :

MSVOA_D

ClientSampleId :

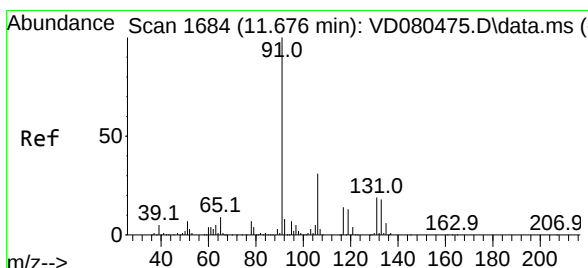
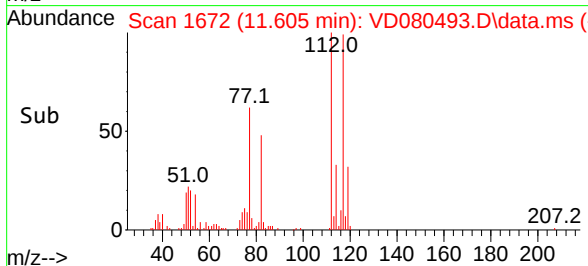
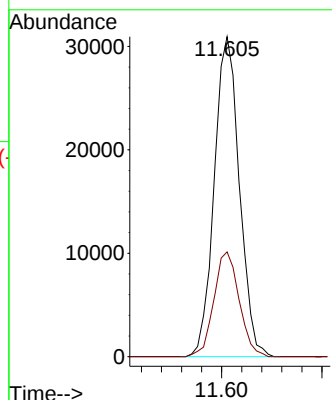
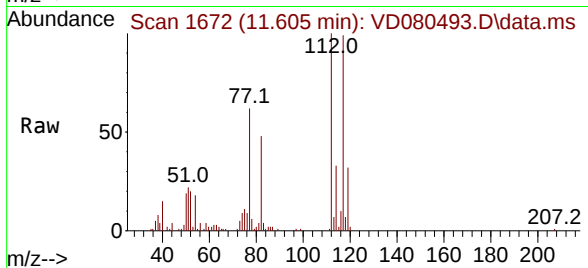
MDL-SOIL-03-QT2-2025

Tgt Ion:112 Resp: 53684

Ion Ratio Lower Upper

112 100

114 32.7 24.8 37.2



#66

1,1,1,2-Tetrachloroethane

Concen: 4.111 ug/l

RT: 11.676 min Scan# 1684

Delta R.T. 0.000 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

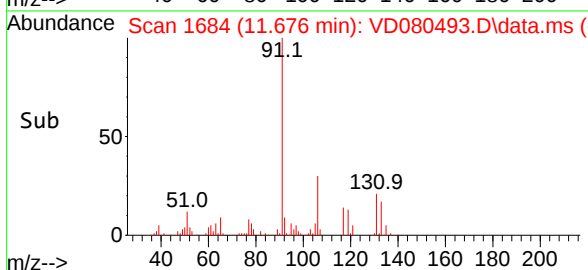
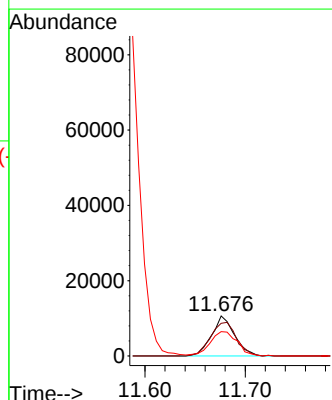
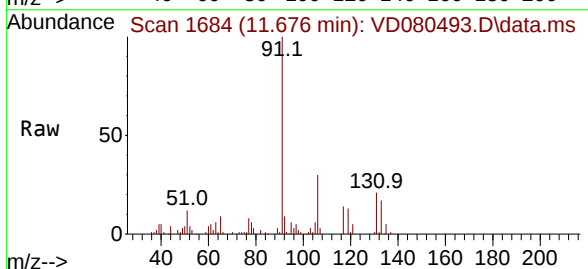
Tgt Ion:131 Resp: 16834

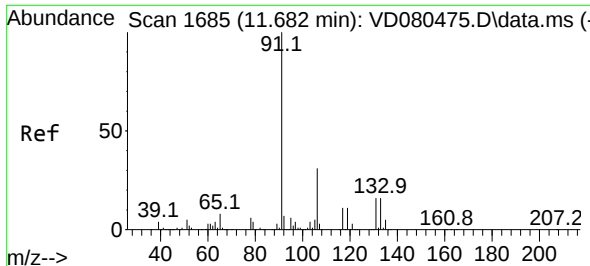
Ion Ratio Lower Upper

131 100

133 95.7 47.3 141.8

119 72.2 34.9 104.7

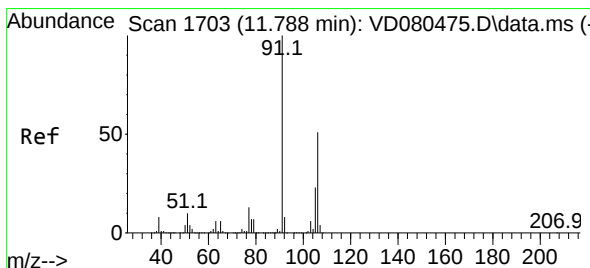
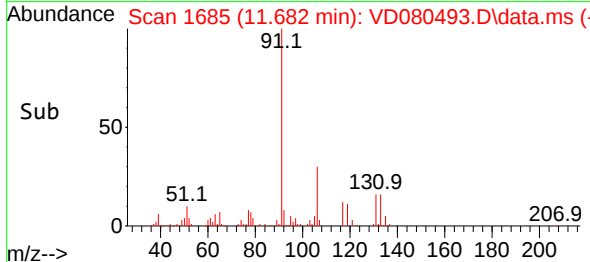
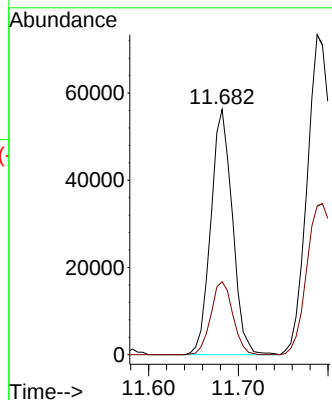
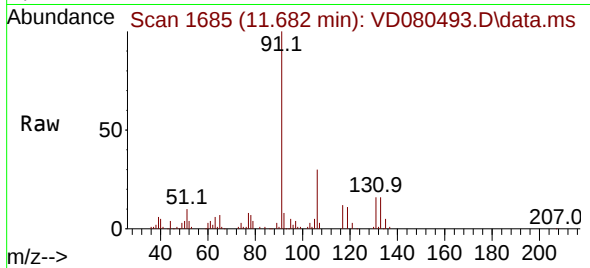




#67
Ethyl Benzene
Concen: 4.123 ug/l
RT: 11.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

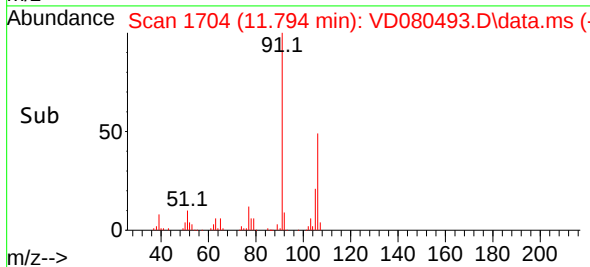
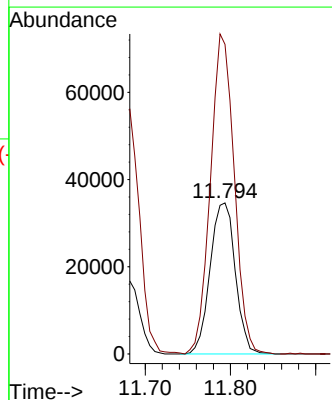
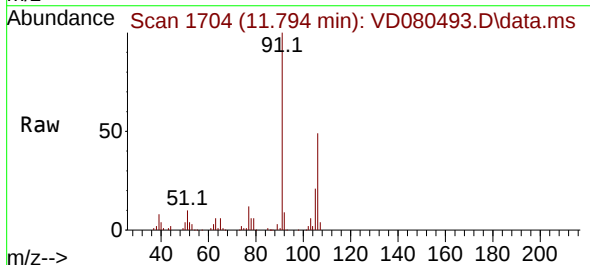
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

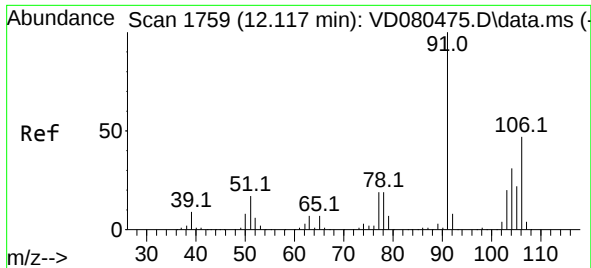
Tgt Ion: 91 Resp: 93953
Ion Ratio Lower Upper
91 100
106 29.8 25.0 37.4



#68
m/p-Xylenes
Concen: 8.200 ug/l
RT: 11.794 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion: 106 Resp: 71153
Ion Ratio Lower Upper
106 100
91 200.6 159.9 239.9

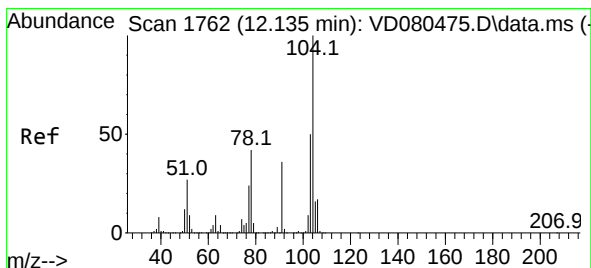
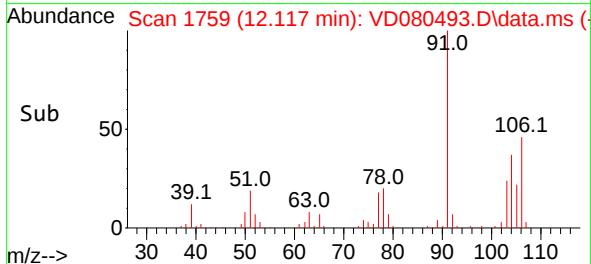
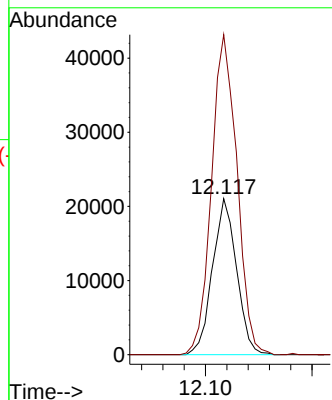
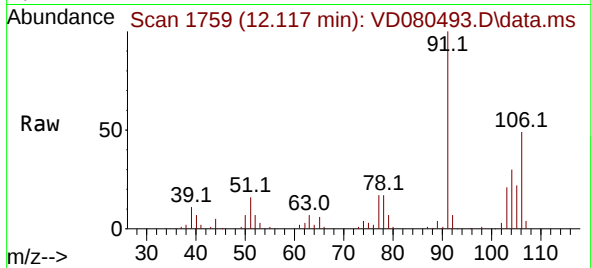




#69
o-Xylene
Concen: 3.942 ug/l
RT: 12.117 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

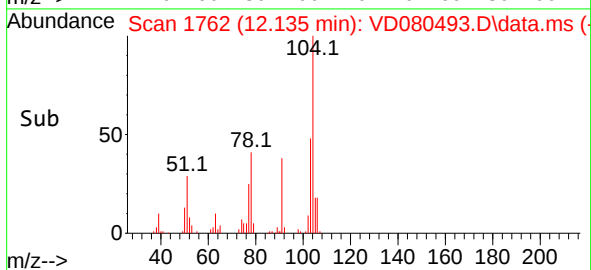
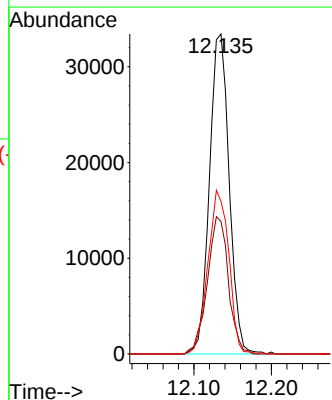
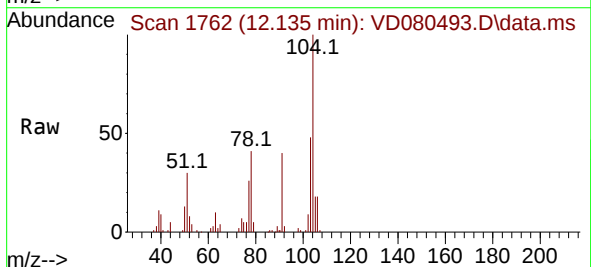
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

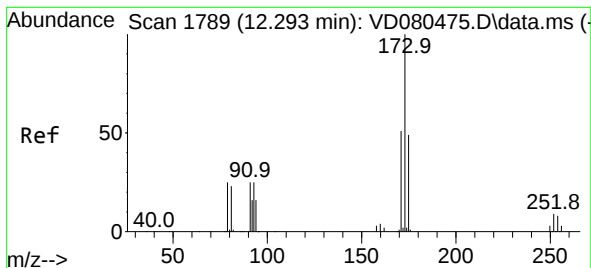
Tgt Ion:106 Resp: 33008
Ion Ratio Lower Upper
106 100
91 216.5 106.5 319.6



#70
Styrene
Concen: 4.182 ug/l
RT: 12.135 min Scan# 1762
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion:104 Resp: 59230
Ion Ratio Lower Upper
104 100
78 45.7 38.5 57.7
103 54.1 44.1 66.1





#71

Bromoform

Concen: 4.081 ug/l

RT: 12.294 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

Instrument :

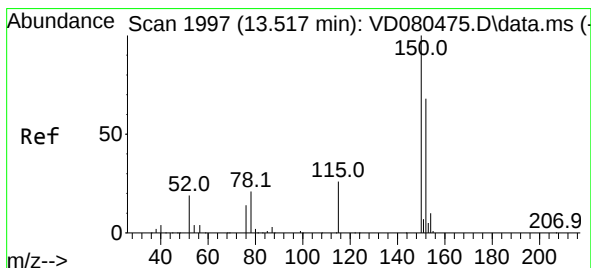
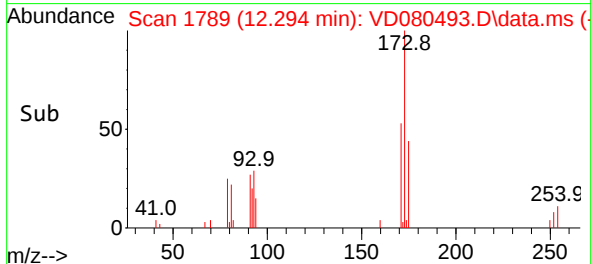
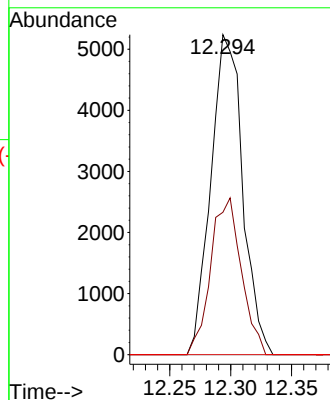
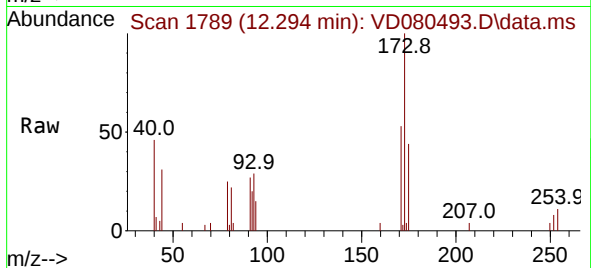
MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:173 Resp: 9517

Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.1	72.4
254	0.0	0.1	0.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.511 min Scan# 1996

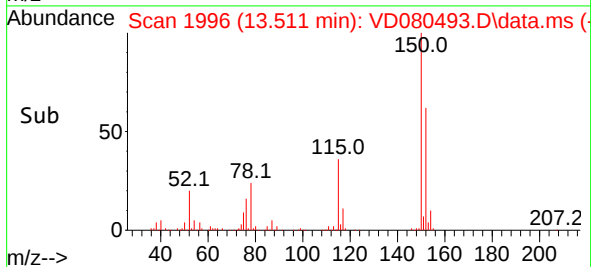
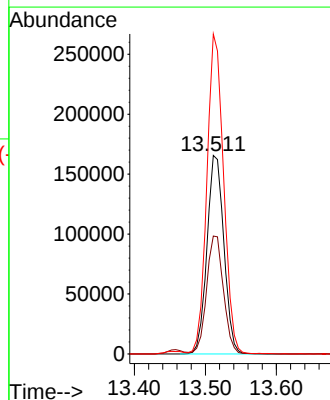
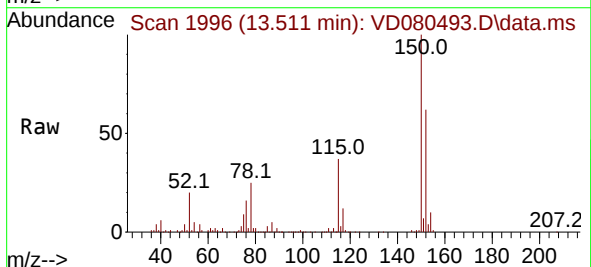
Delta R.T. -0.006 min

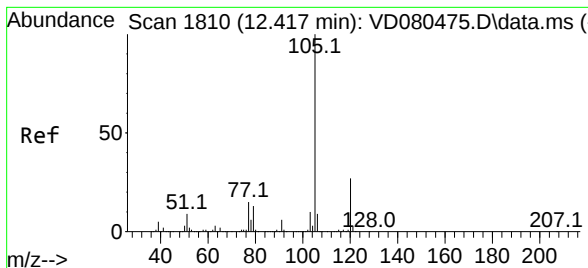
Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

Tgt Ion:152 Resp: 274076

Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.2	90.6
150	158.6	0.0	350.2





#73

Isopropylbenzene

Concen: 4.004 ug/l

RT: 12.417 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

Instrument :

MSVOA_D

ClientSampleId :

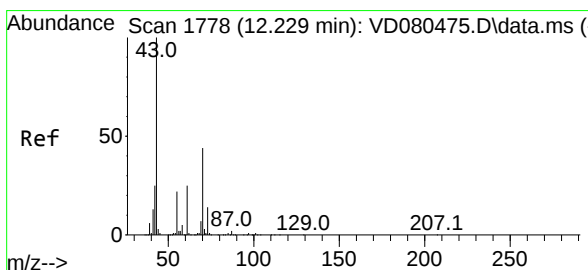
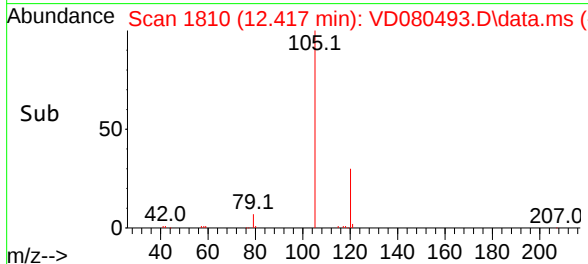
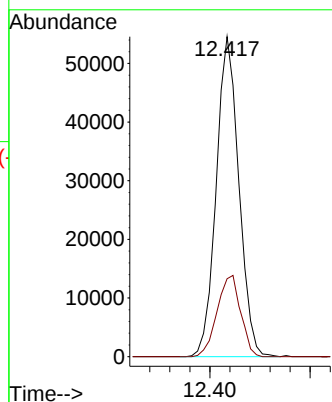
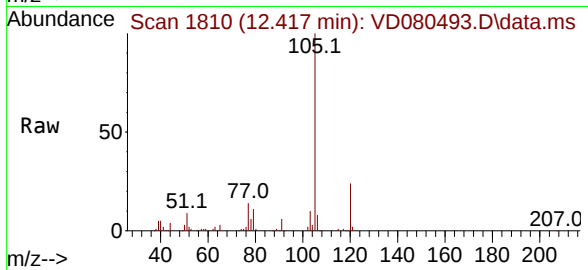
MDL-SOIL-03-QT2-2025

Tgt Ion:105 Resp: 85309

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.9



#74

N-ethyl acetate

Concen: 4.046 ug/l

RT: 12.229 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

Tgt Ion: 43 Resp: 22572

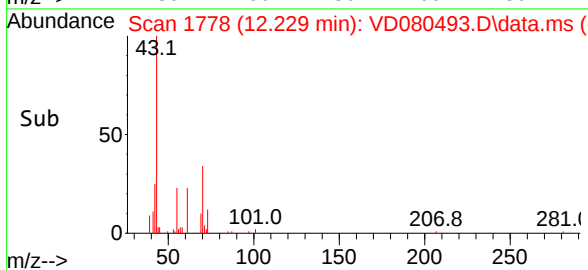
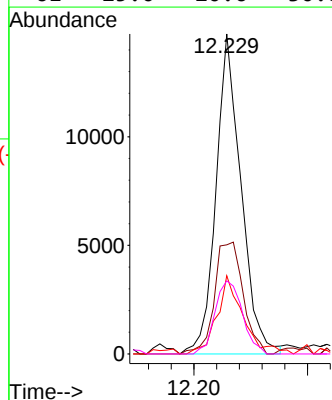
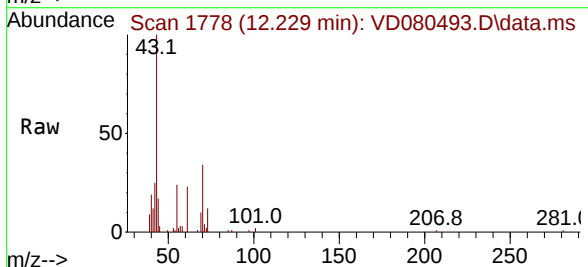
Ion Ratio Lower Upper

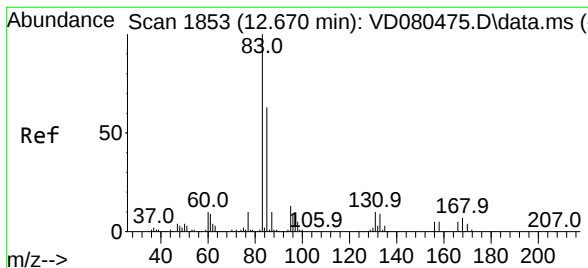
43 100

70 40.0 35.4 53.2

55 25.5 18.8 28.2

61 25.0 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 3.991 ug/l

RT: 12.670 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2025

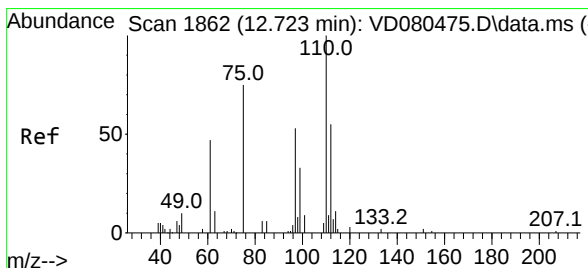
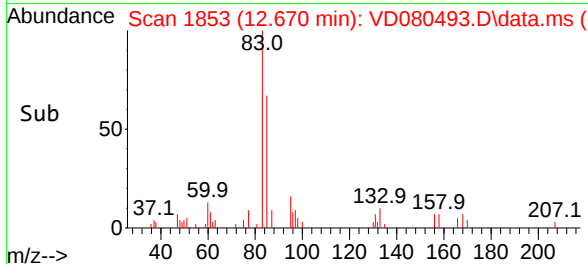
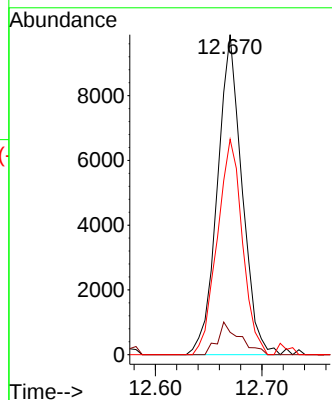
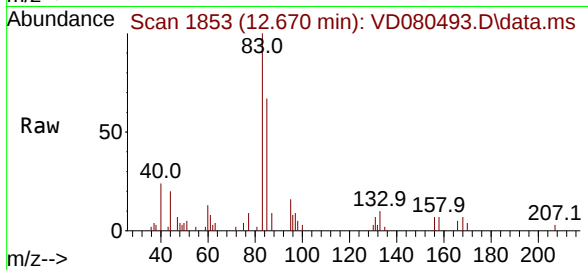
Tgt Ion: 83 Resp: 15832

Ion Ratio Lower Upper

83 100

131 9.2 4.8 14.3

85 68.8 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 8.424 ug/l

RT: 12.717 min Scan# 1861

Delta R.T. -0.006 min

Lab File: VD080493.D

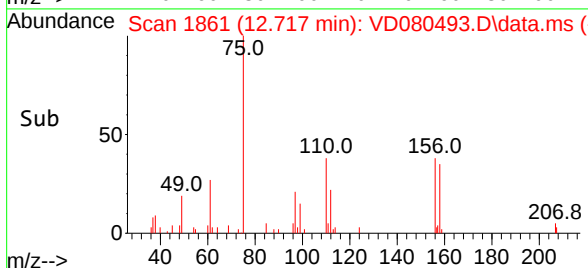
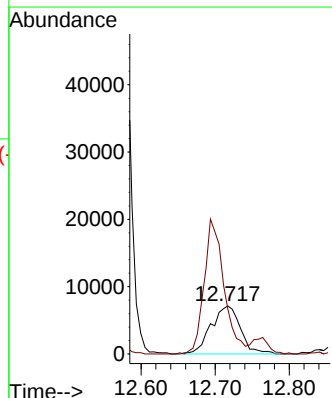
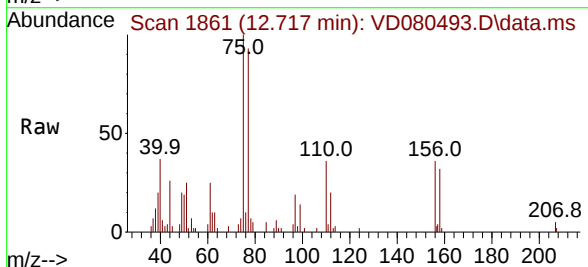
Acq: 27 Jun 2025 14:04

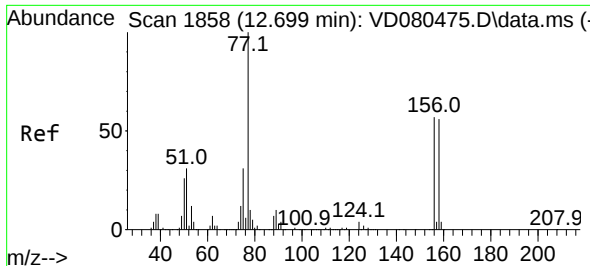
Tgt Ion: 75 Resp: 19626

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

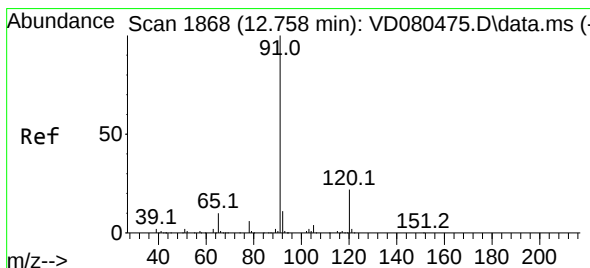
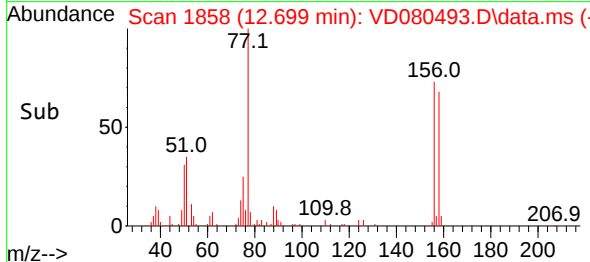
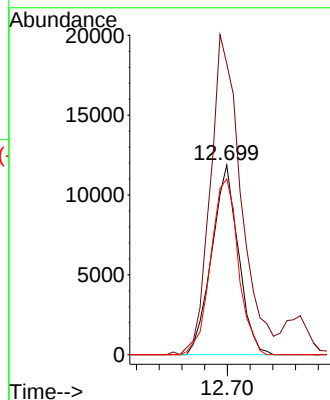
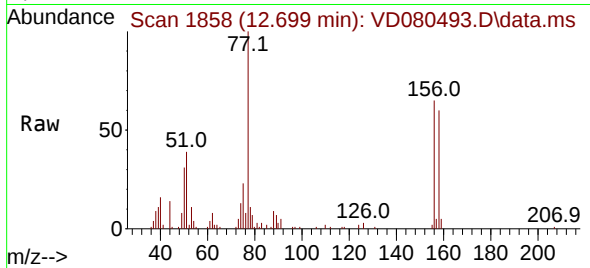




#77
Bromobenzene
Concen: 4.060 ug/l
RT: 12.699 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

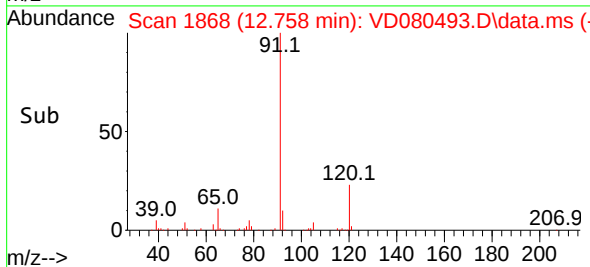
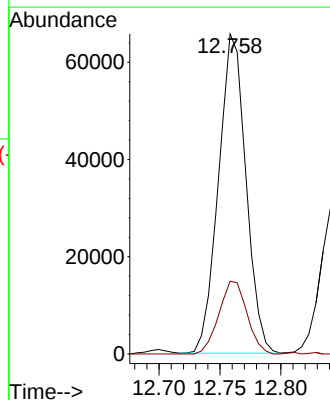
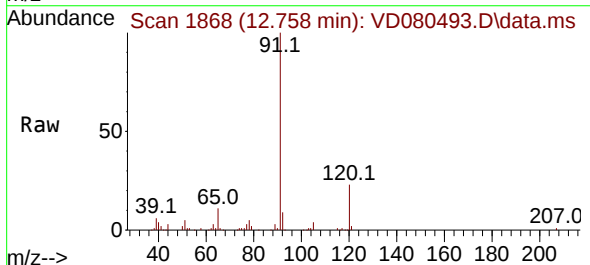
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

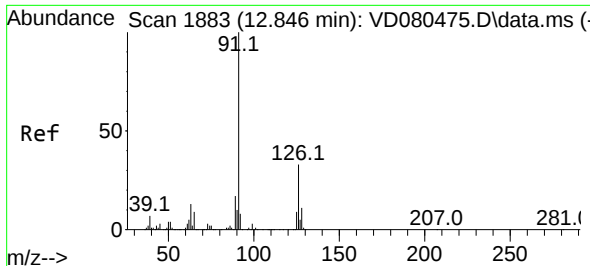
Tgt Ion	Ratio	Lower	Upper
156	100		
77	193.4	97.3	291.8
158	95.9	48.5	145.6



#78
n-propylbenzene
Concen: 4.019 ug/l
RT: 12.758 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.3	33.9

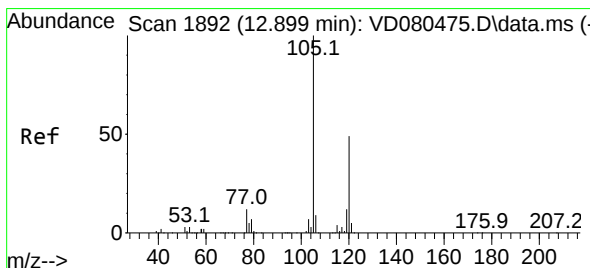
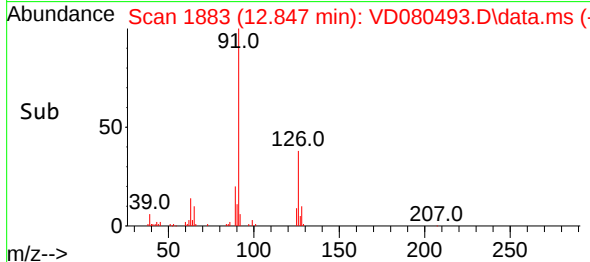
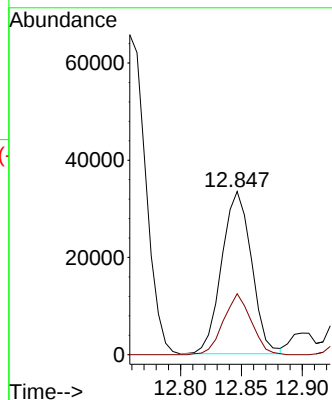
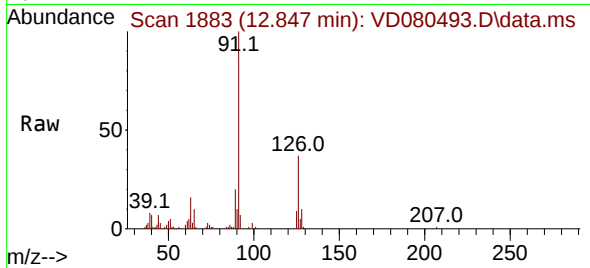




#79
2-Chlorotoluene
Concen: 3.871 ug/l
RT: 12.847 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

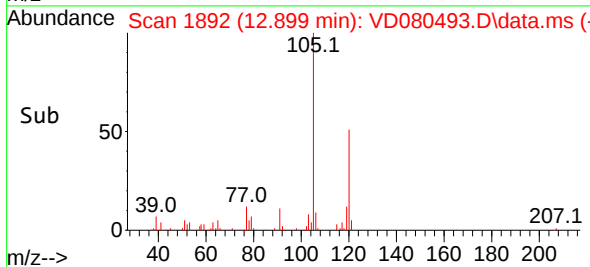
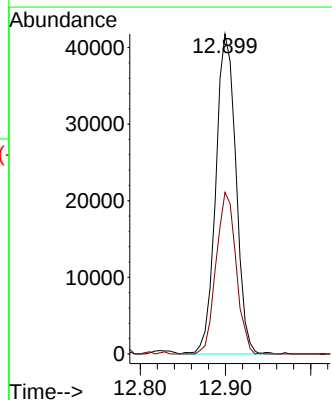
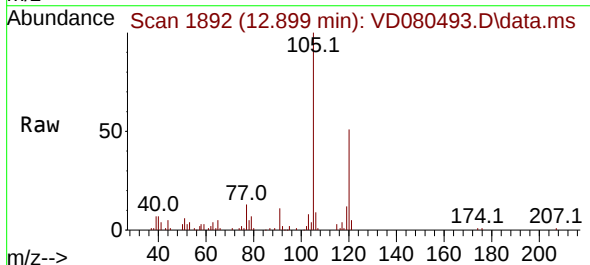
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

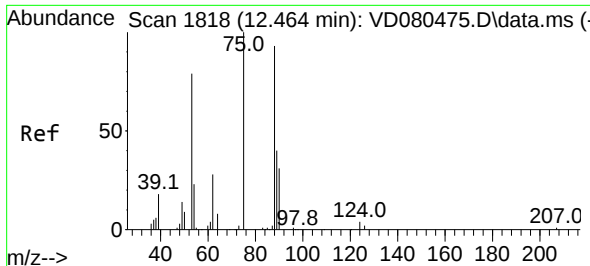
Tgt Ion: 91 Resp: 57102
Ion Ratio Lower Upper
91 100
126 34.9 16.6 49.8



#80
1,3,5-Trimethylbenzene
Concen: 3.971 ug/l
RT: 12.899 min Scan# 1892
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion: 105 Resp: 68617
Ion Ratio Lower Upper
105 100
120 50.1 24.5 73.5

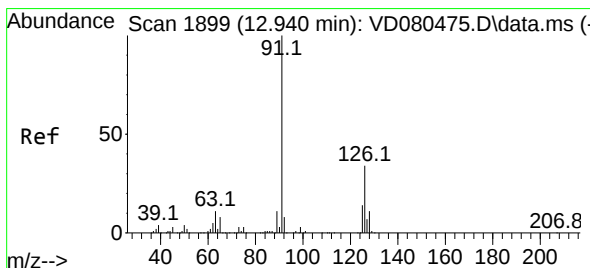
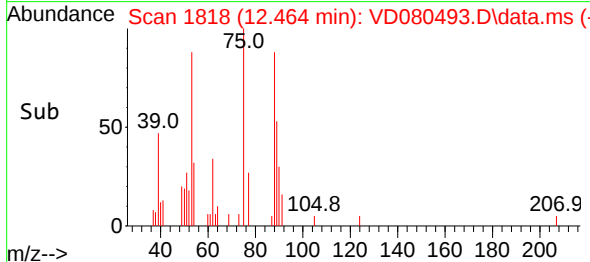
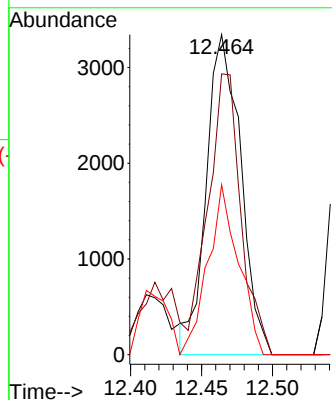
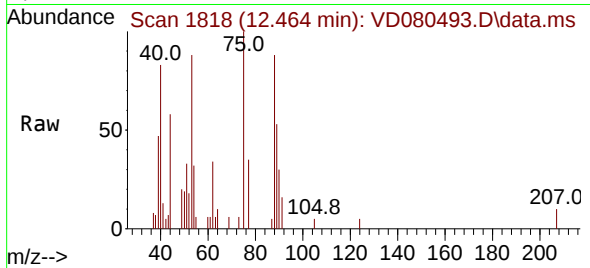




#81
trans-1,4-Dichloro-2-butene
Concen: 3.575 ug/l
RT: 12.464 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

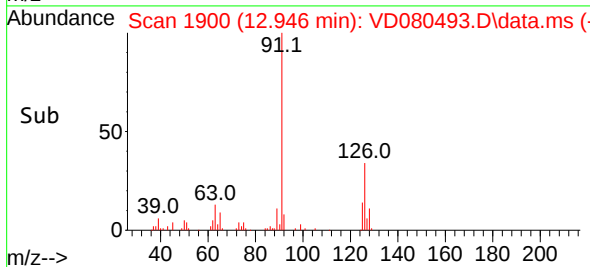
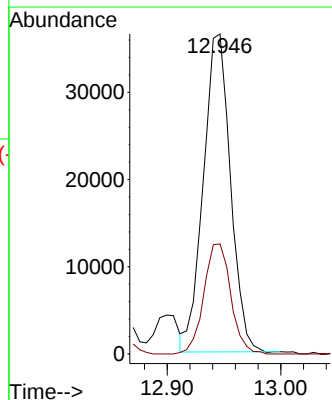
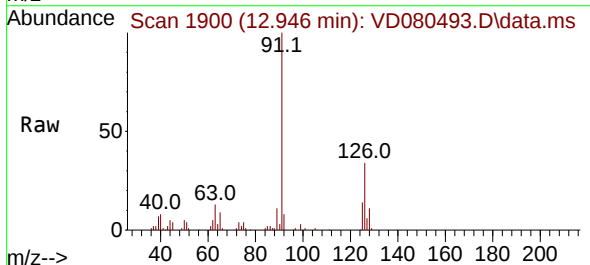
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

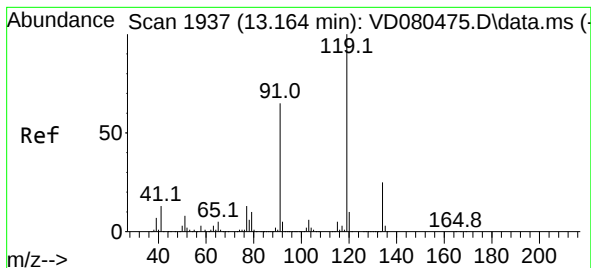
Tgt Ion:	75	Resp:	5605
Ion	Ratio	Lower	Upper
75	100		
53	83.8	61.5	92.3
89	47.6	33.0	49.6



#82
4-Chlorotoluene
Concen: 3.990 ug/l
RT: 12.946 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion:	91	Resp:	60448
Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.0	50.9





#83

tert-Butylbenzene

Concen: 4.037 ug/l

RT: 13.164 min Scan# 1937

Delta R.T. 0.000 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

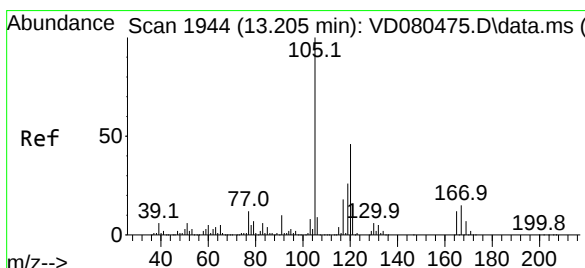
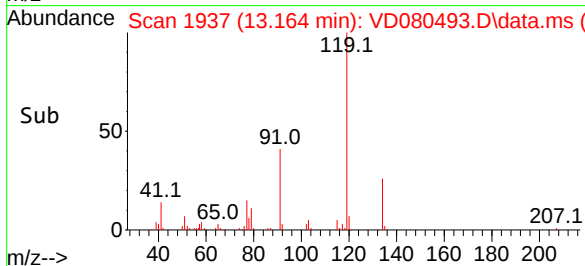
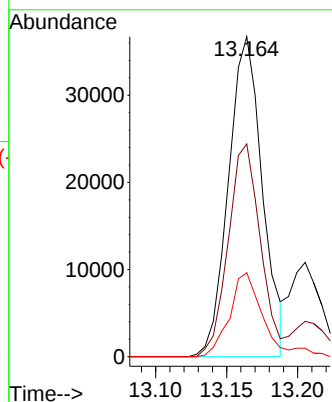
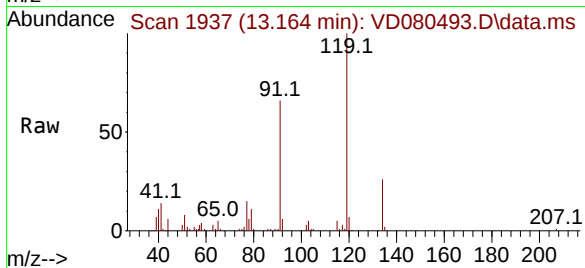
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:	119	Resp:	61006
Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.4	97.2
134	26.3	13.1	39.3



#84

1,2,4-Trimethylbenzene

Concen: 4.018 ug/l

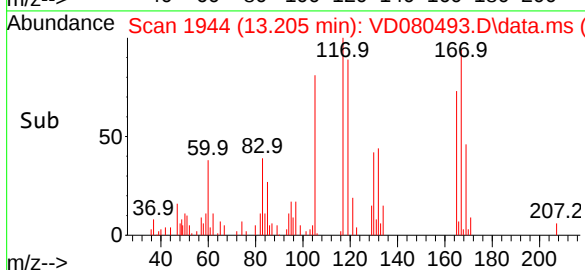
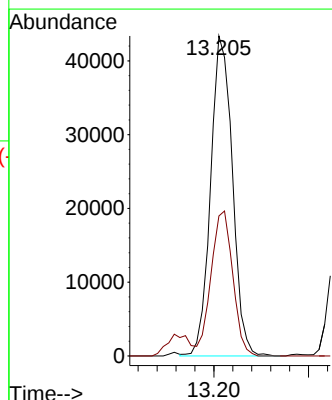
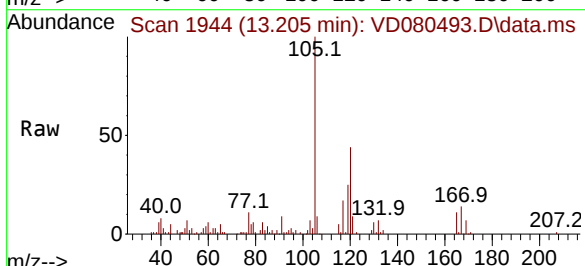
RT: 13.205 min Scan# 1944

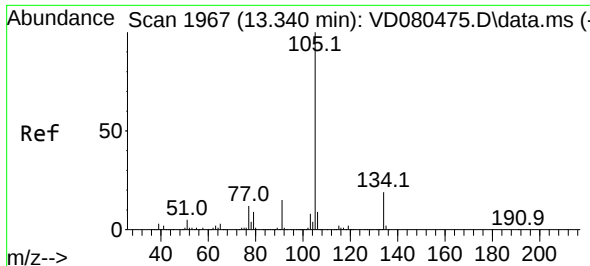
Delta R.T. 0.000 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

Tgt Ion:	105	Resp:	69312
Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.8	68.3

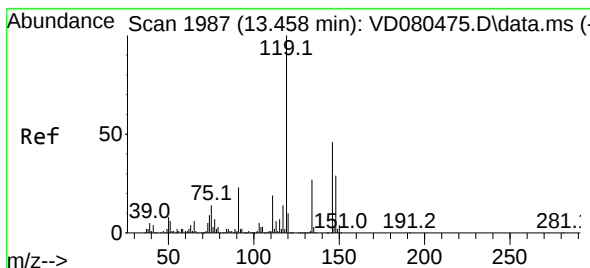
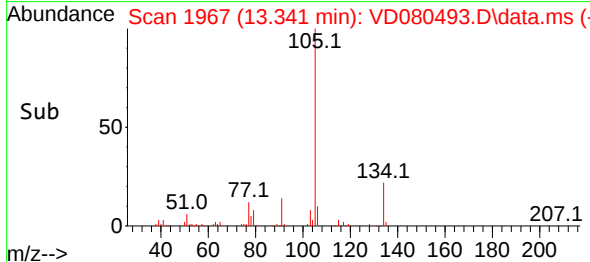
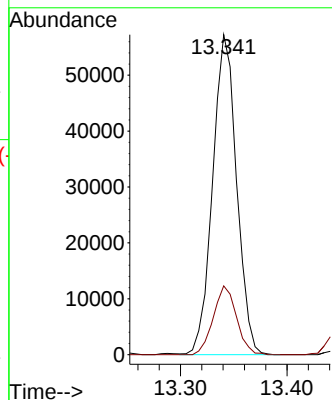
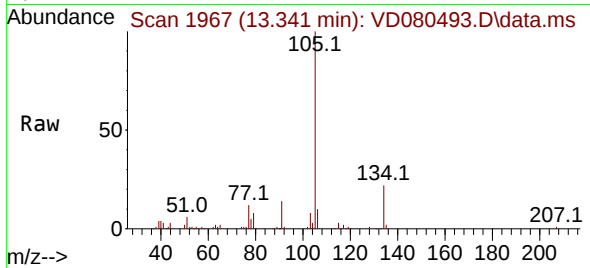




#85
 sec-Butylbenzene
 Concen: 4.008 ug/l
 RT: 13.341 min Scan# 1967
 Delta R.T. 0.000 min
 Lab File: VD080493.D
 Acq: 27 Jun 2025 14:04

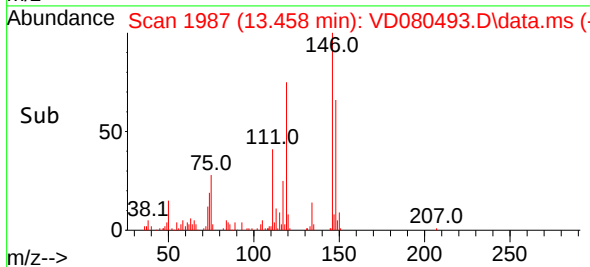
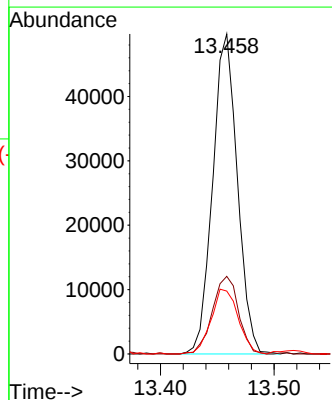
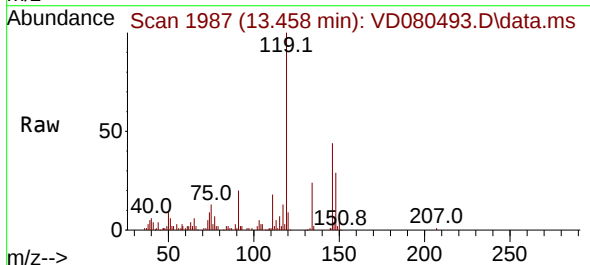
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

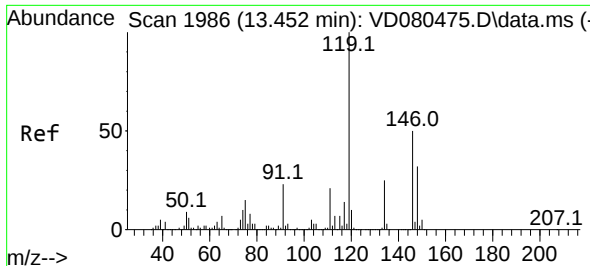
Tgt Ion:105 Resp: 89450
 Ion Ratio Lower Upper
 105 100
 134 20.7 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 4.065 ug/l
 RT: 13.458 min Scan# 1987
 Delta R.T. 0.000 min
 Lab File: VD080493.D
 Acq: 27 Jun 2025 14:04

Tgt Ion:119 Resp: 75077
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.0 38.9
 91 22.2 11.5 34.5





#87

1,3-Dichlorobenzene

Concen: 4.106 ug/l

RT: 13.458 min Scan# 1986

Delta R.T. 0.006 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2025

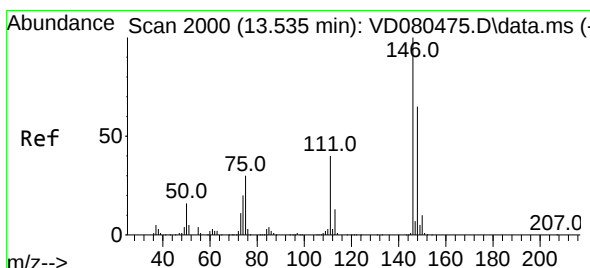
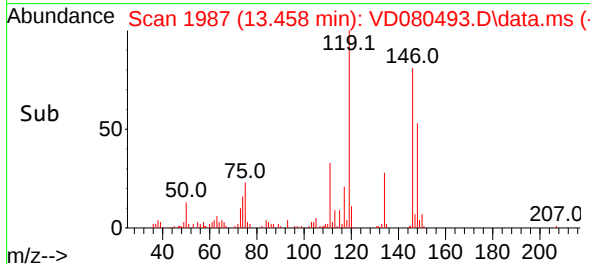
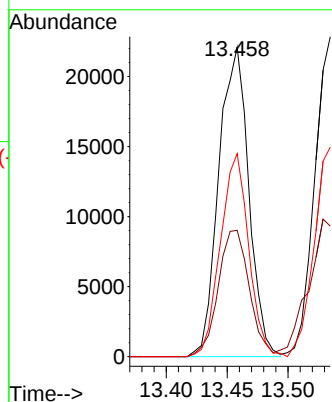
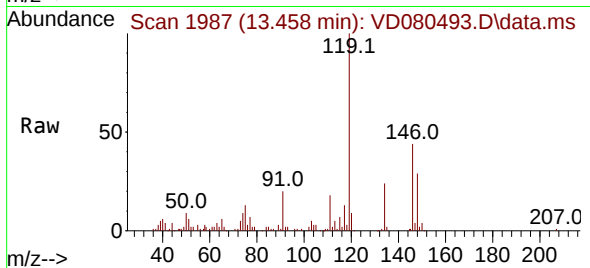
Tgt Ion:146 Resp: 37839

Ion Ratio Lower Upper

146 100

111 42.4 20.6 61.8

148 62.0 31.5 94.5



#88

1,4-Dichlorobenzene

Concen: 4.143 ug/l

RT: 13.535 min Scan# 2000

Delta R.T. 0.000 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

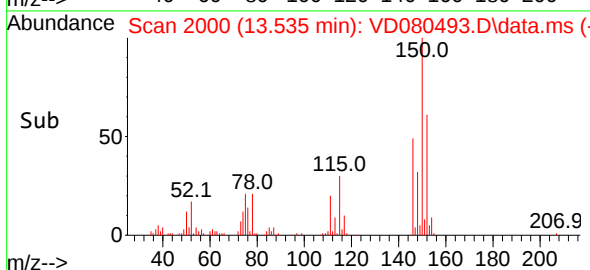
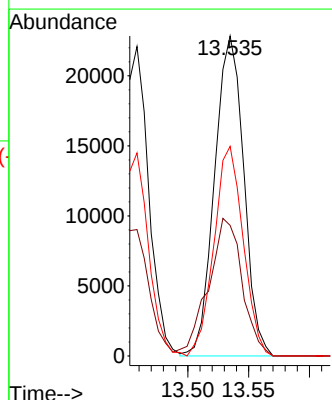
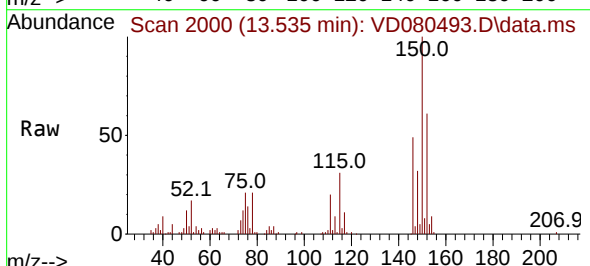
Tgt Ion:146 Resp: 38108

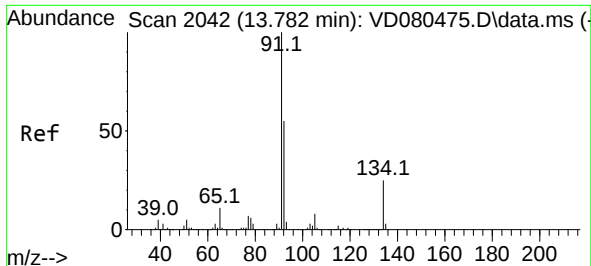
Ion Ratio Lower Upper

146 100

111 50.0 20.0 60.0

148 65.6 32.1 96.3

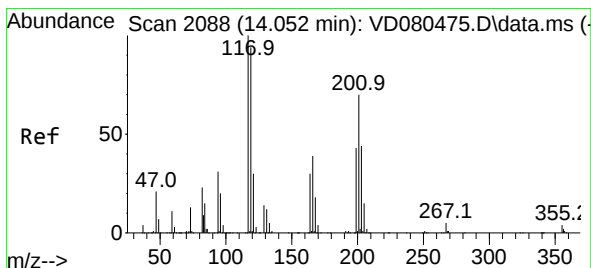
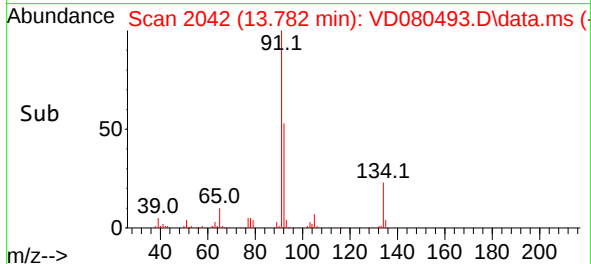
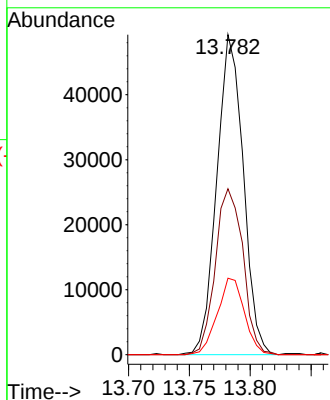
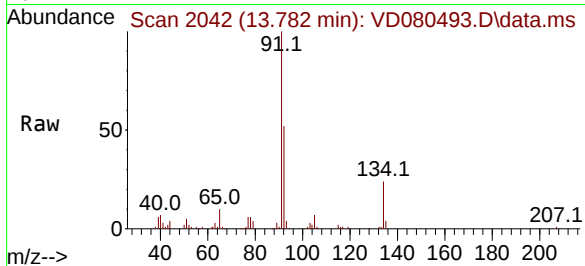




#89
n-Butylbenzene
Concen: 4.203 ug/l
RT: 13.782 min Scan# 2042
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

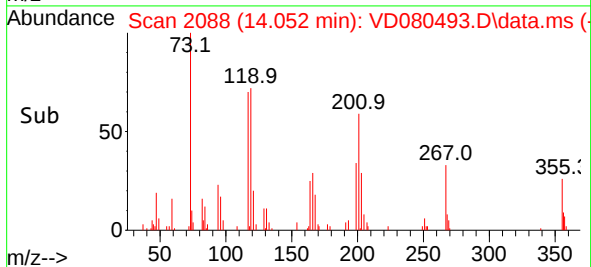
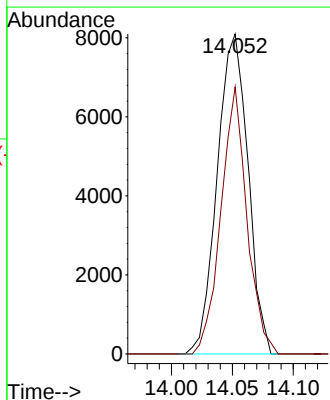
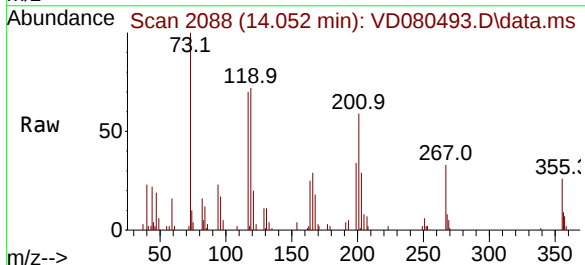
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

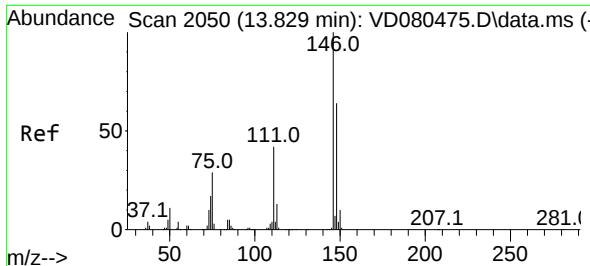
Tgt Ion:	91	Resp:	74507
Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.4	82.0
134	24.5	12.6	37.8



#90
Hexachloroethane
Concen: 3.994 ug/l
RT: 14.052 min Scan# 2088
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion:	117	Resp:	14252
Ion	Ratio	Lower	Upper
117	100		
201	70.5	34.2	102.5

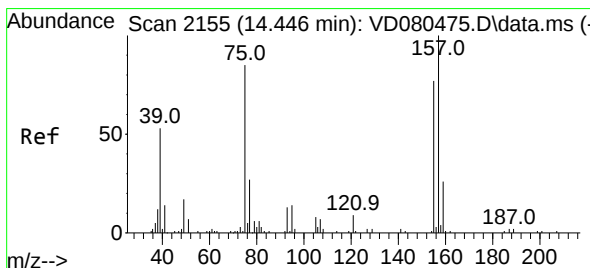
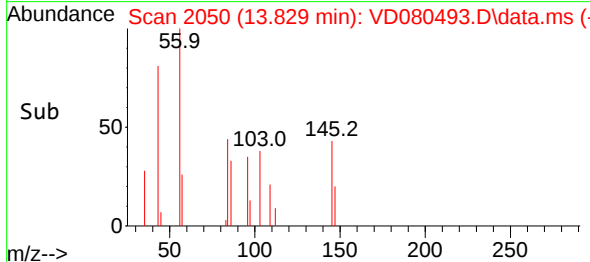
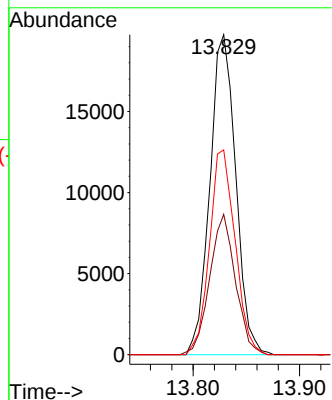
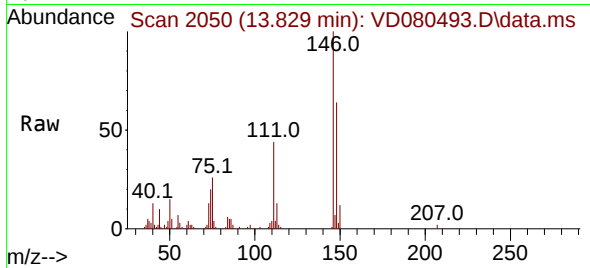




#91
 1,2-Dichlorobenzene
 Concen: 4.102 ug/l
 RT: 13.829 min Scan# 2050
 Delta R.T. 0.000 min
 Lab File: VD080493.D
 Acq: 27 Jun 2025 14:04

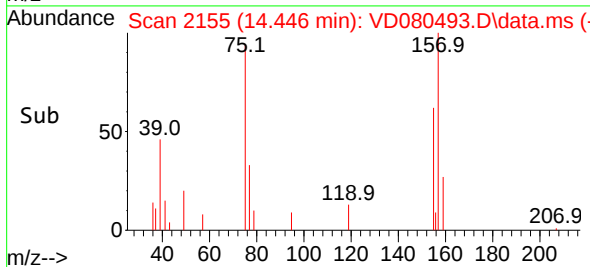
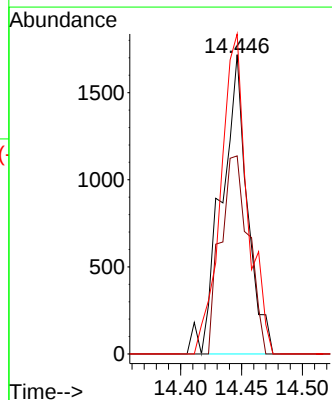
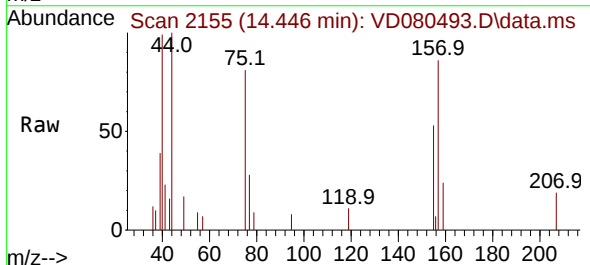
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

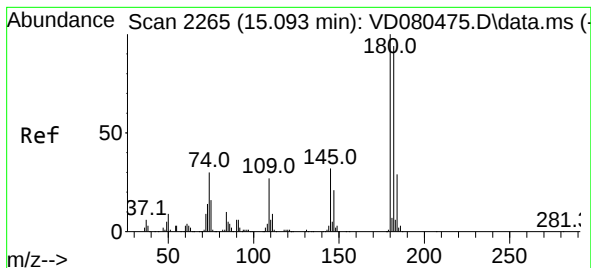
Tgt Ion:146 Resp: 33271
 Ion Ratio Lower Upper
 146 100
 111 43.7 21.3 63.7
 148 63.4 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.277 ug/l
 RT: 14.446 min Scan# 2155
 Delta R.T. 0.000 min
 Lab File: VD080493.D
 Acq: 27 Jun 2025 14:04

Tgt Ion: 75 Resp: 2559
 Ion Ratio Lower Upper
 75 100
 155 71.3 45.6 136.8
 157 109.6 58.6 175.8





#93

1,2,4-Trichlorobenzene

Concen: 4.079 ug/l

RT: 15.099 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2025

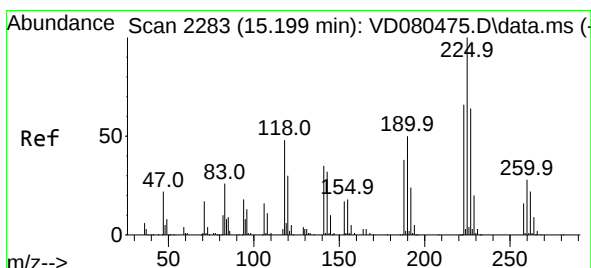
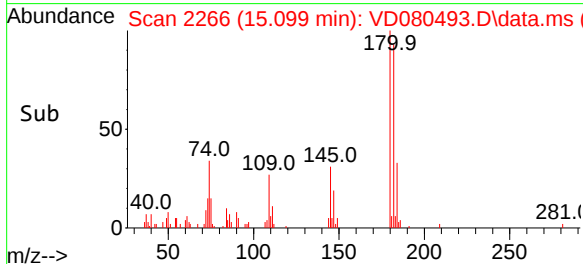
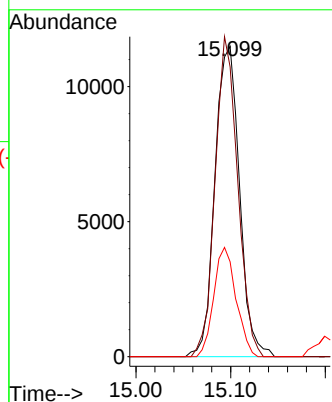
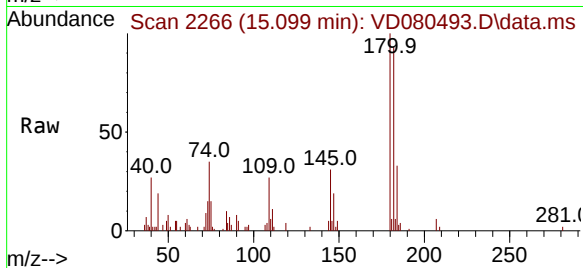
Tgt Ion:180 Resp: 20732

Ion Ratio Lower Upper

180 100

182 94.8 46.8 140.4

145 31.9 16.0 47.9



#94

Hexachlorobutadiene

Concen: 4.127 ug/l

RT: 15.199 min Scan# 2283

Delta R.T. 0.000 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

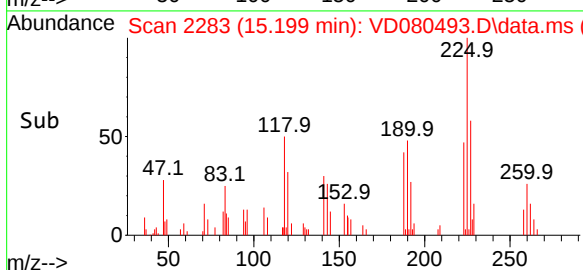
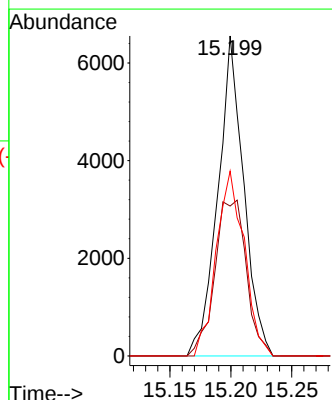
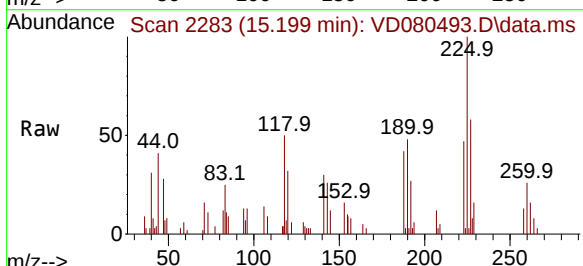
Tgt Ion:225 Resp: 9683

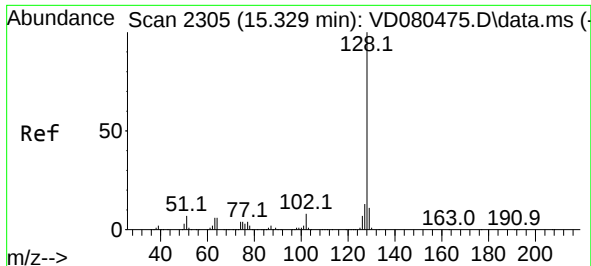
Ion Ratio Lower Upper

225 100

223 59.4 31.4 94.2

227 62.5 31.8 95.3

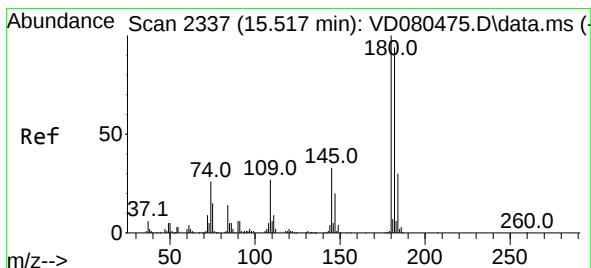
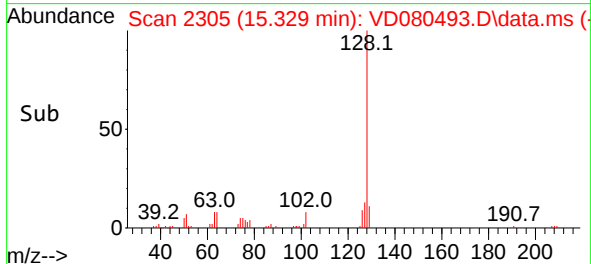
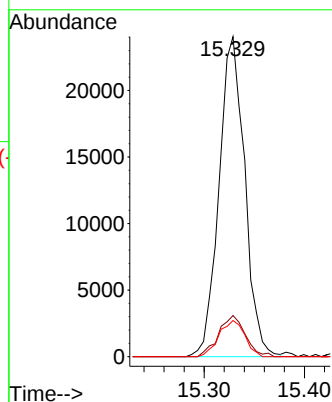
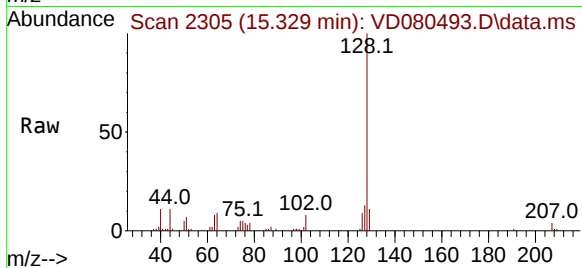




#95
Naphthalene
Concen: 3.789 ug/l
RT: 15.329 min Scan# 2305
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

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

Tgt Ion:	128	Resp:	42784
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	15.8
129	11.3	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 4.084 ug/l
RT: 15.517 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion:	180	Resp:	17847
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.3	141.9
145	34.6	16.7	50.1

