

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/A
 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/30/2025
 Supervised By :Semsettin Yesilyurt 06/30/2025

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	16370m	5.439	ug/l	
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	5.065	59	6504m	21.402	ug/l	
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	13341m	4.487	ug/l	
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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Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/30/2025
 Supervised By :Semsettin Yesilyurt 06/30/2025

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	11442m	4.911	ug/l	
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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MDL-SOIL-03-QT2-2025

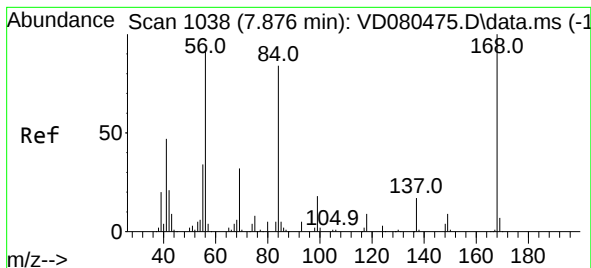
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025

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

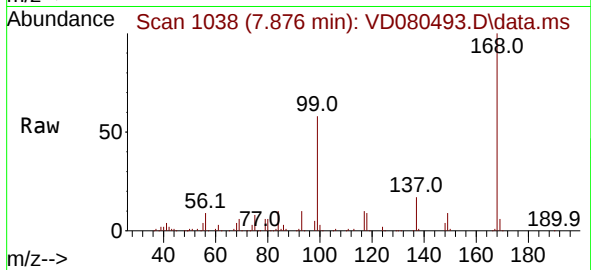
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

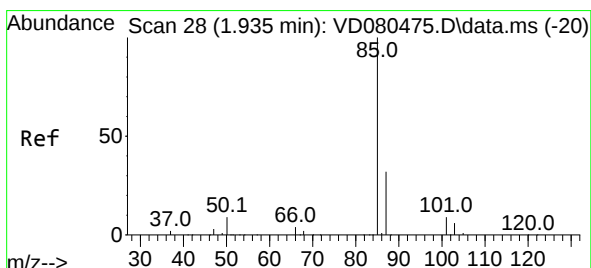
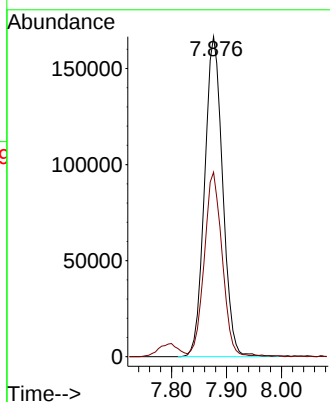
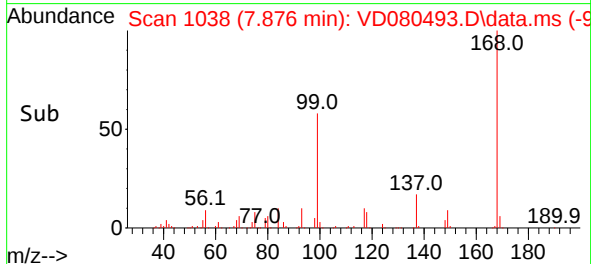
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:168 Resp: 38071
Ion Ratio Lower Upper
168 100
99 57.4 45.8 68.8

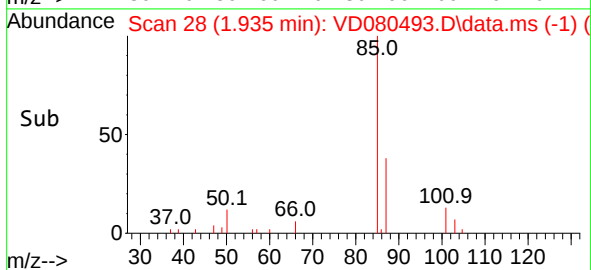
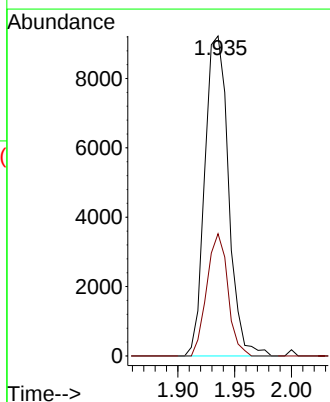
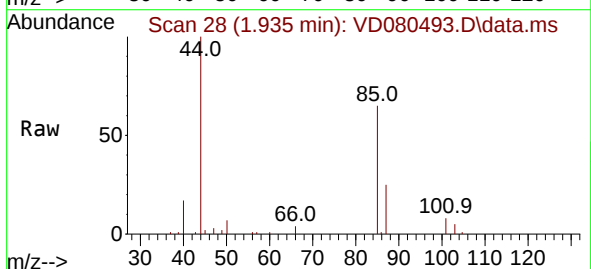
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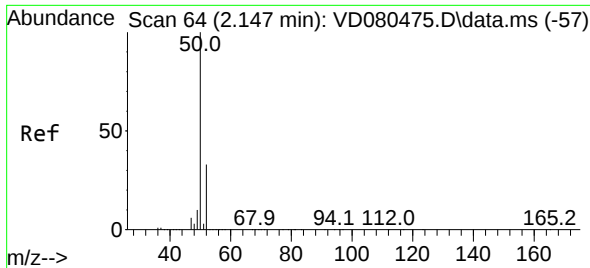
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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





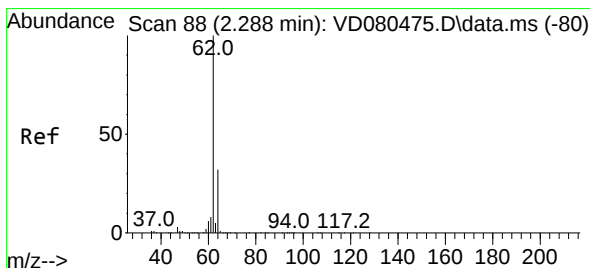
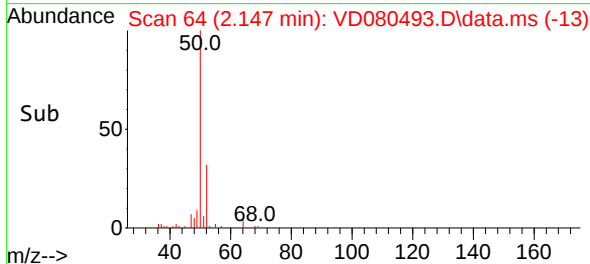
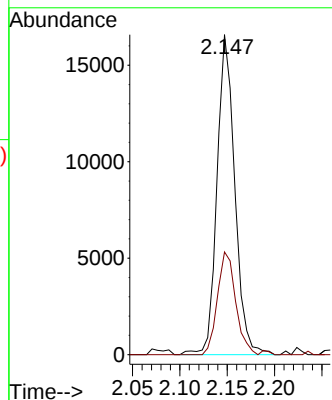
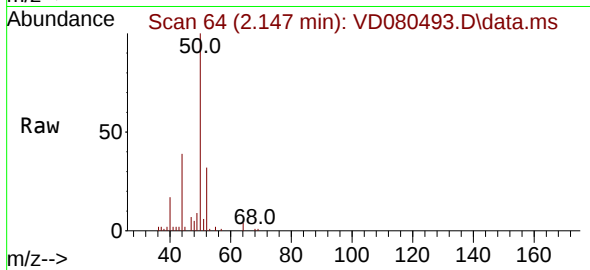
#3
Chloromethane
Concen: 4.588 ug/l
RT: 2.147 min Scan# 64
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

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

Tgt Ion: 50 Resp: 2168
Ion Ratio Lower Upper
50 100
52 32.1 26.1 39.1

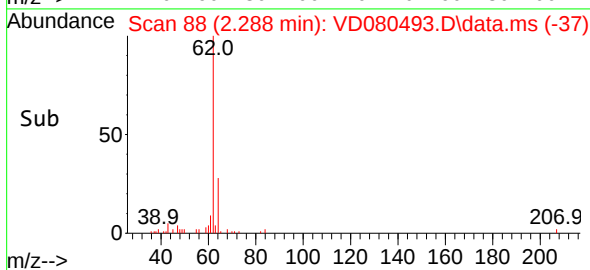
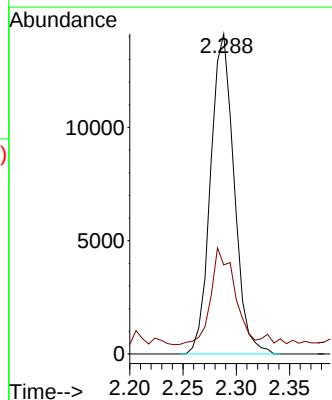
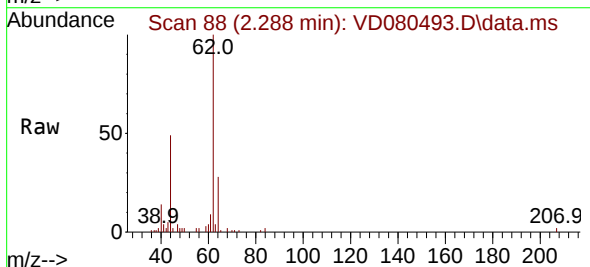
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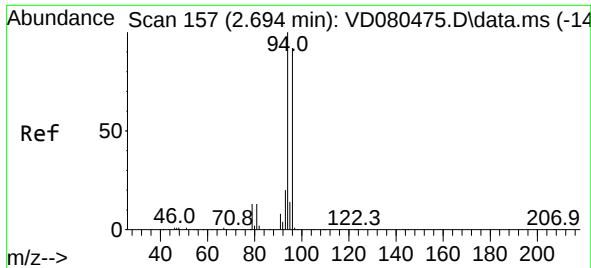
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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#





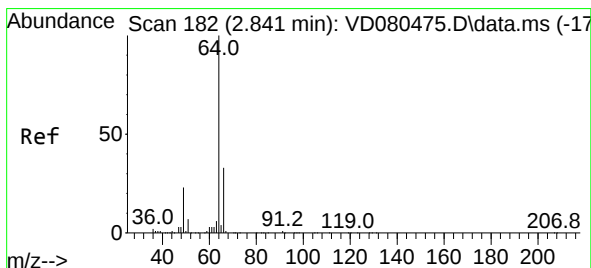
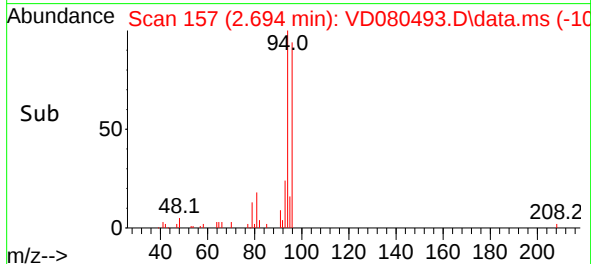
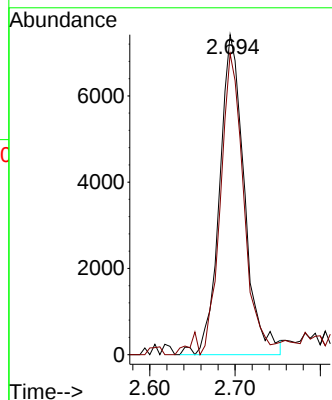
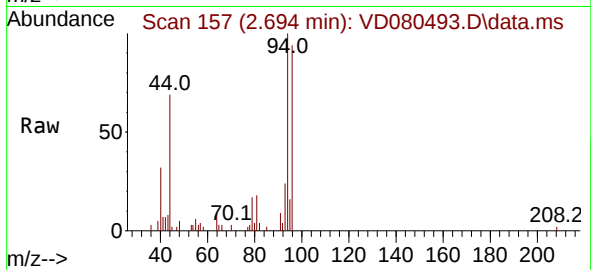
#5
Bromomethane
Concen: 5.660 ug/l
RT: 2.694 min Scan# 157
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

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ClientSampleId : MDL-SOIL-03-QT2-2025

Tgt Ion: 94 Resp: 1500
Ion Ratio Lower Upper
94 100
96 88.0 74.8 112.2

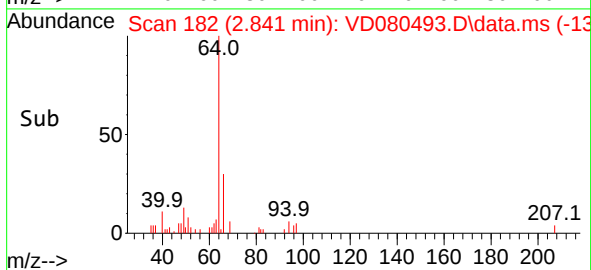
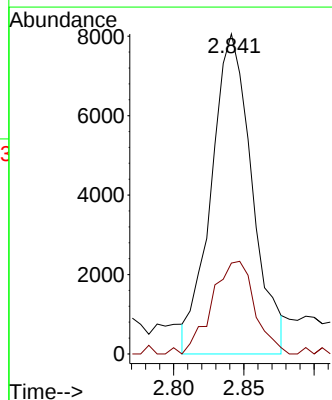
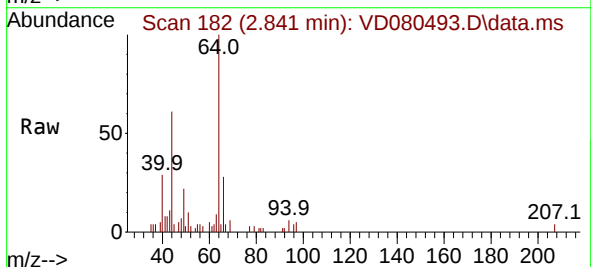
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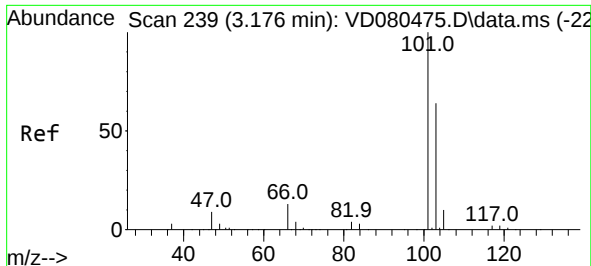
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#6
Chloroethane
Concen: 5.439 ug/l m
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: 16370
Ion Ratio Lower Upper
64 100
66 28.4 26.3 39.5





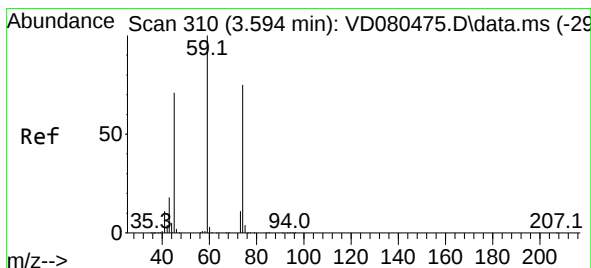
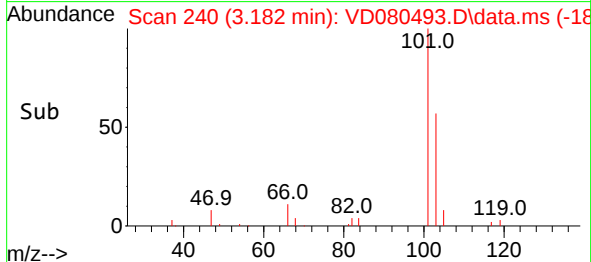
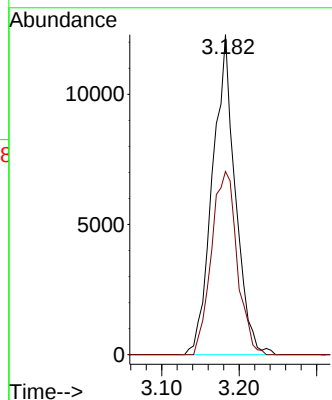
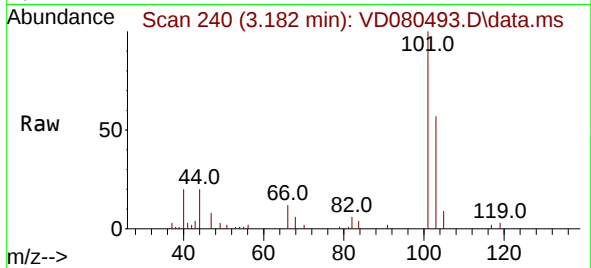
#7
Trichlorofluoromethane
Concen: 4.164 ug/l
RT: 3.182 min Scan# 240
Delta R.T. 0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

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

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

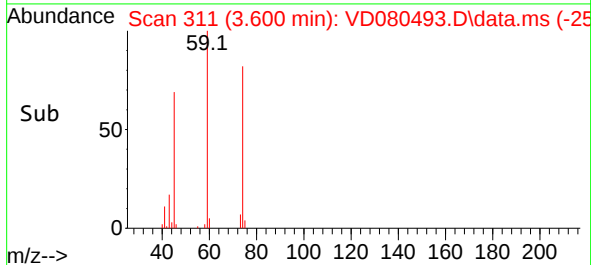
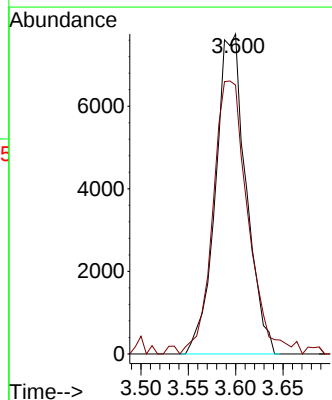
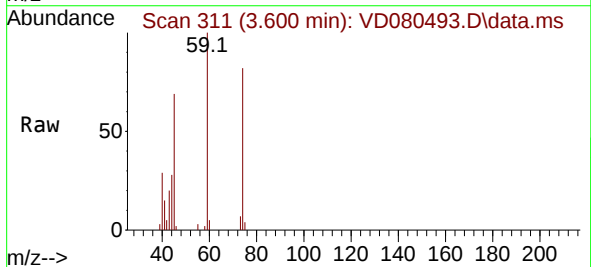
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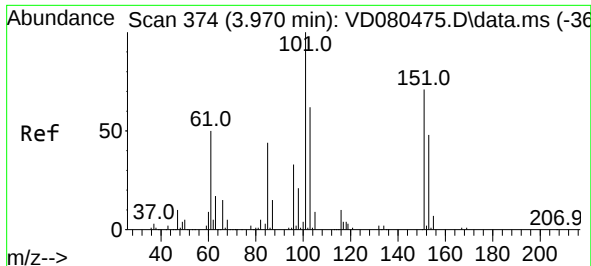
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#8
Diethyl Ether
Concen: 7.421 ug/l
RT: 3.600 min Scan# 311
Delta R.T. 0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

Tgt Ion: 74 Resp: 17426
Ion Ratio Lower Upper
74 100
45 97.3 46.6 139.8





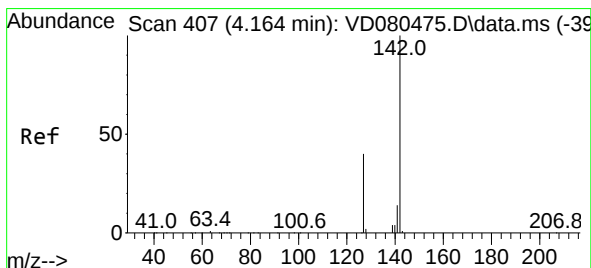
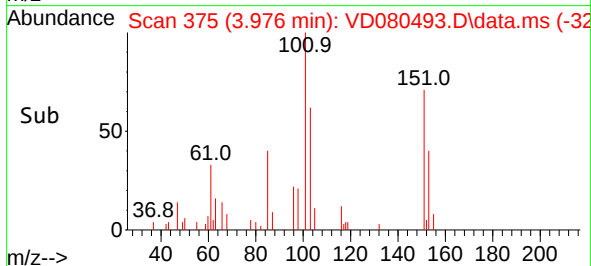
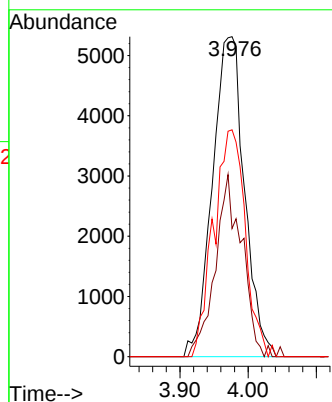
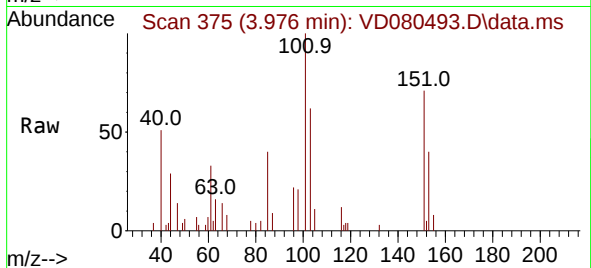
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.350 ug/l
RT: 3.976 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

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

Tgt Ion:101 Resp: 1735
Ion Ratio Lower Upper
101 100
85 47.6 34.0 51.0
151 70.1 58.4 87.6

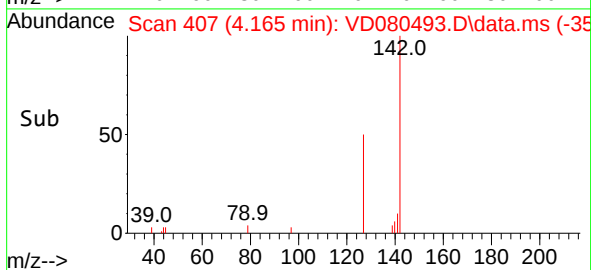
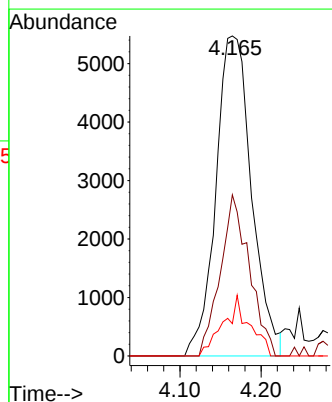
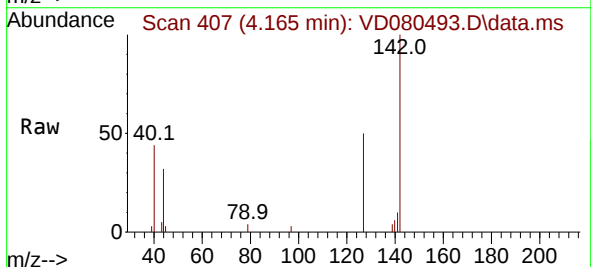
Manual Integrations
APPROVED

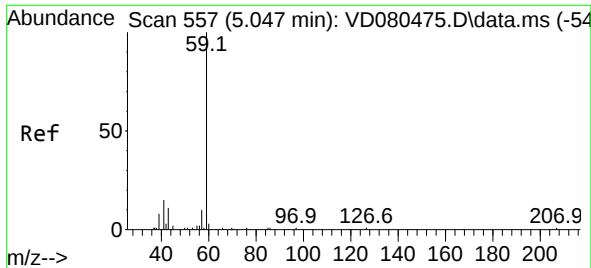
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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

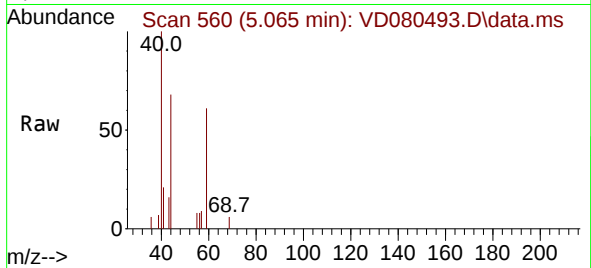
Tgt Ion:142 Resp: 16725
Ion Ratio Lower Upper
142 100
127 41.1 32.6 49.0
141 13.9 11.1 16.7





#11
Tert butyl alcohol
Concen: 21.402 ug/l m
RT: 5.065 min Scan# 5
Delta R.T. 0.018 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

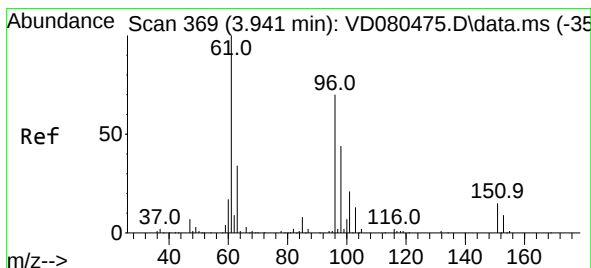
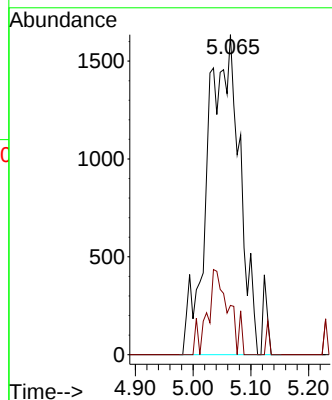
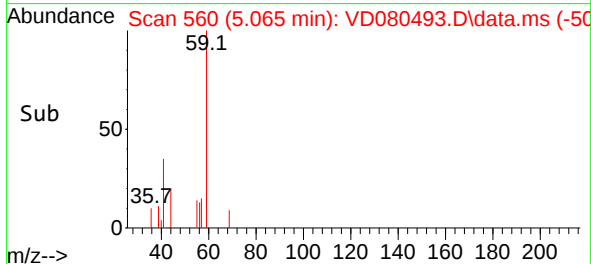
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 59 Resp: 6504
Ion Ratio Lower Upper
59 100
57 17.3 8.8 13.2

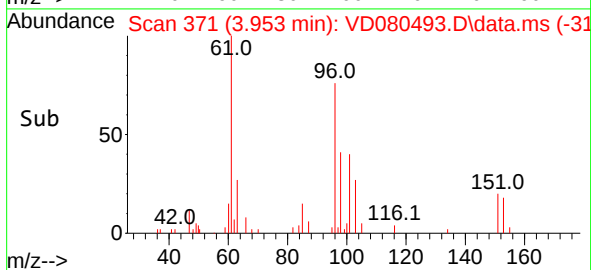
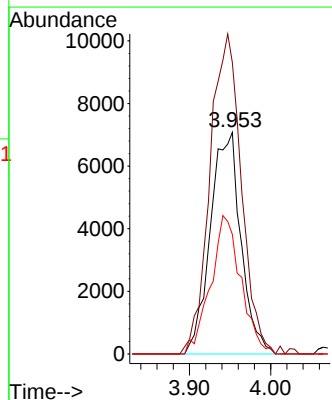
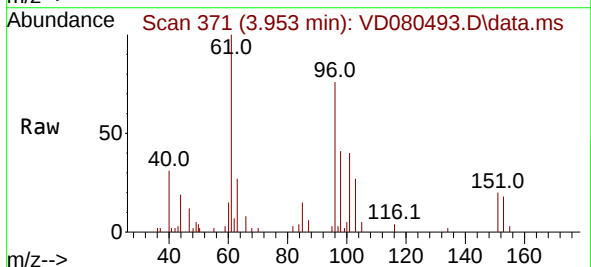
Manual Integrations
APPROVED

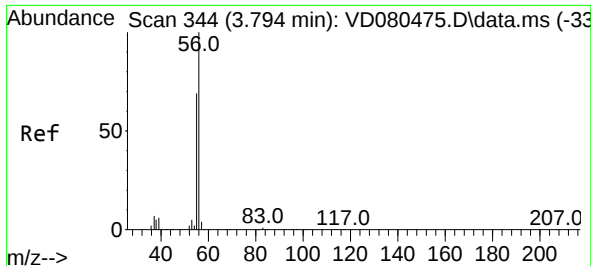
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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

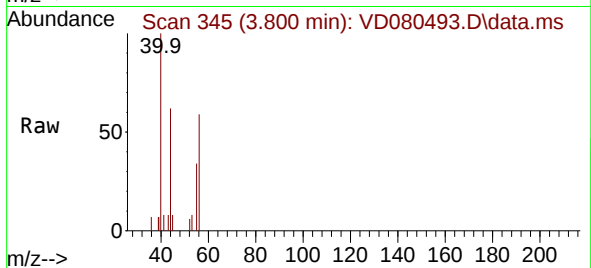
Tgt Ion: 96 Resp: 18468
Ion Ratio Lower Upper
96 100
61 131.5 114.9 172.3
98 54.0 50.5 75.7





#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

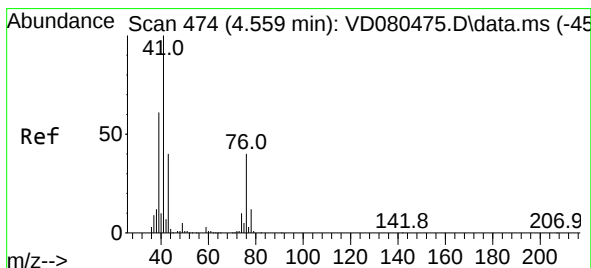
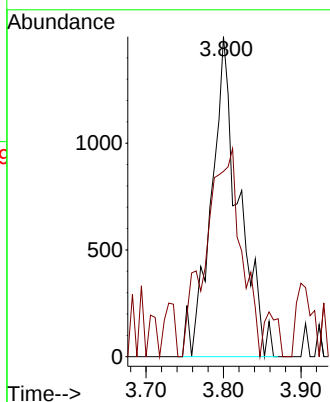
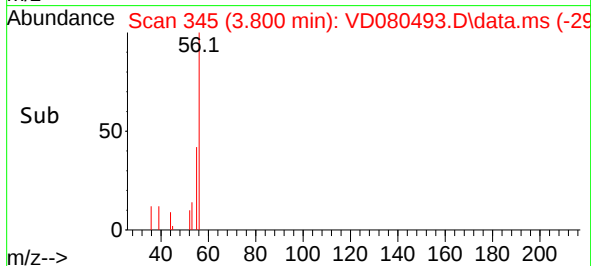
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025



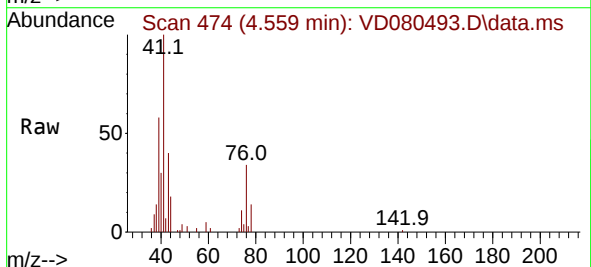
Tgt Ion: 56 Resp: 3704
Ion Ratio Lower Upper
56 100
55 83.8 56.2 84.2

Manual Integrations
APPROVED

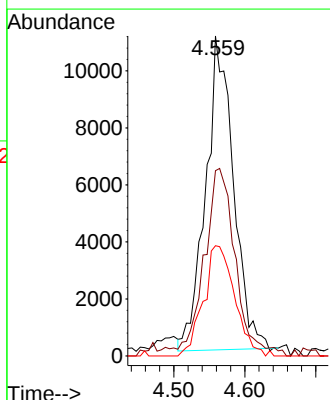
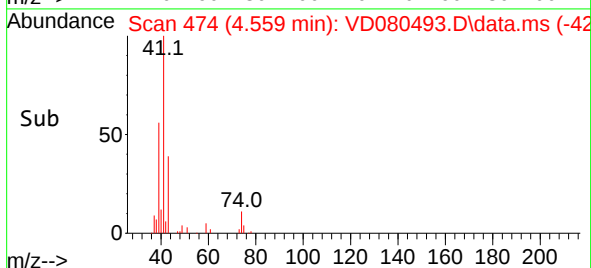
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025

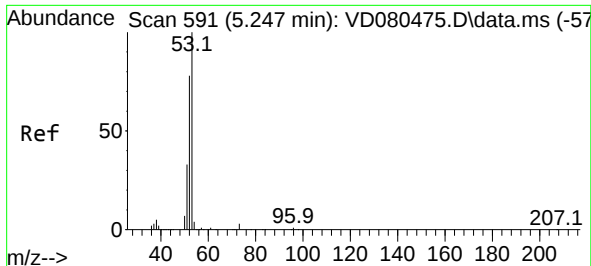


#14
Allyl chloride
Concen: 3.977 ug/l
RT: 4.559 min Scan# 474
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04



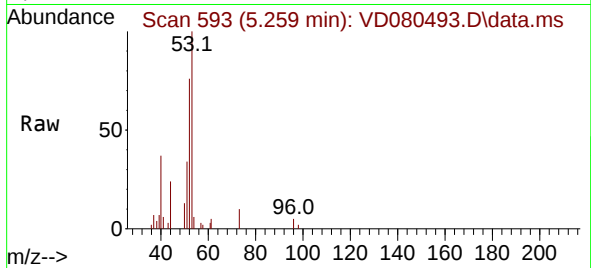
Tgt Ion: 41 Resp: 30001
Ion Ratio Lower Upper
41 100
39 66.1 47.4 71.2
76 39.5 30.5 45.7





#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

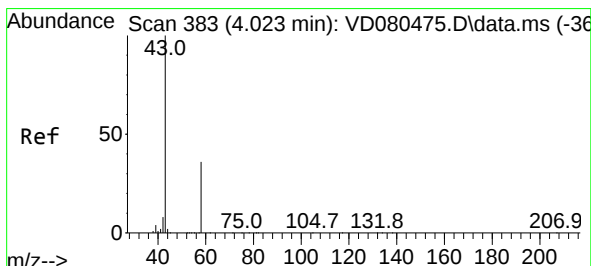
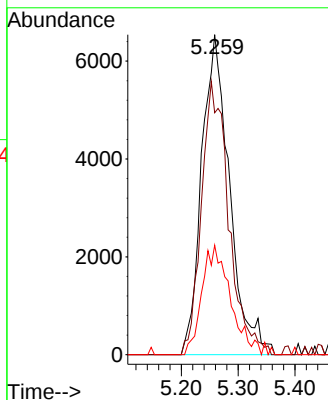
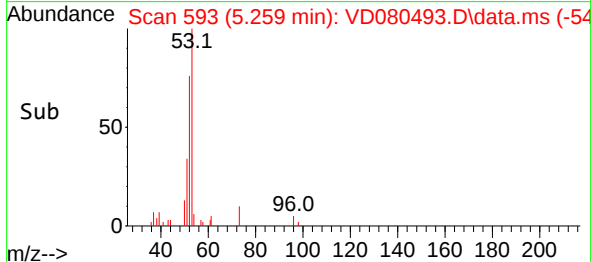
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 53 Resp: 2233
Ion Ratio Lower Upper
53 100
52 83.2 64.7 97.1
51 34.7 27.9 41.9

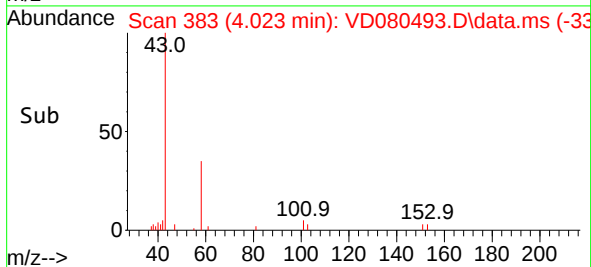
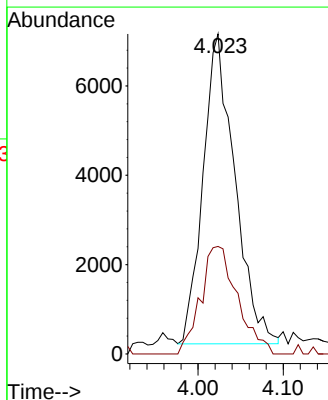
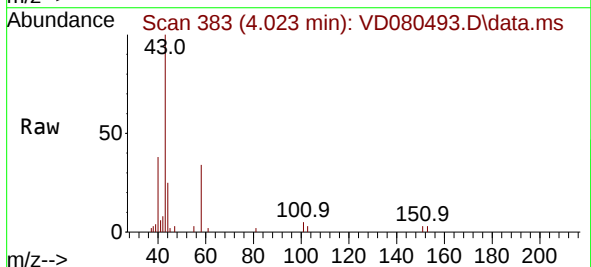
Manual Integrations
APPROVED

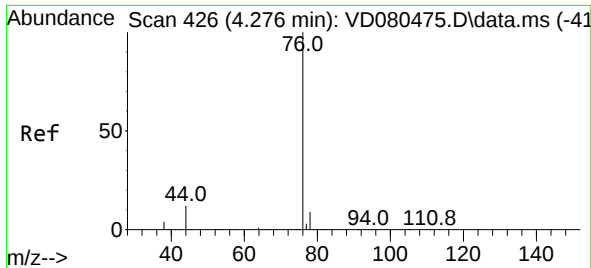
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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

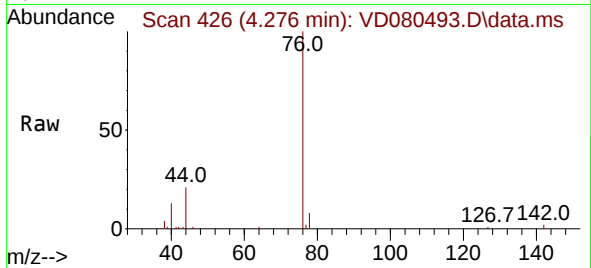
Tgt Ion: 43 Resp: 17957
Ion Ratio Lower Upper
43 100
58 34.7 29.0 43.4





#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

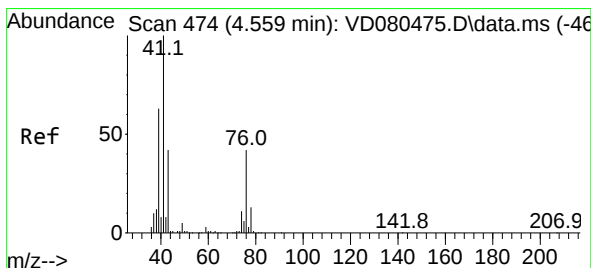
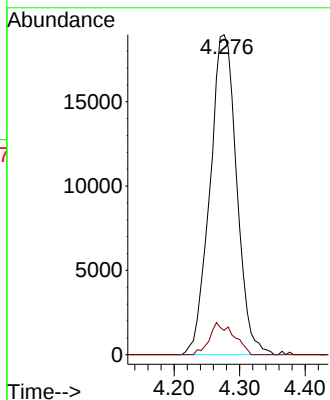
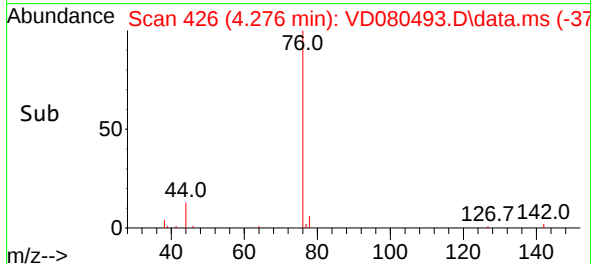
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025



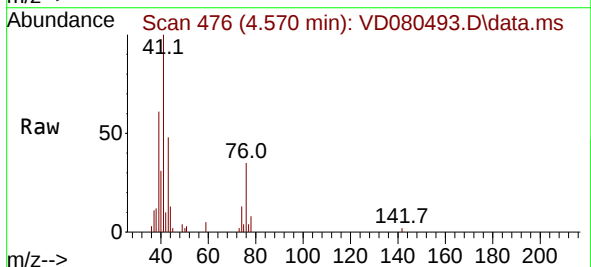
Tgt Ion: 76 Resp: 5376
Ion Ratio Lower Upper
76 100
78 7.6 7.2 10.8

Manual Integrations
APPROVED

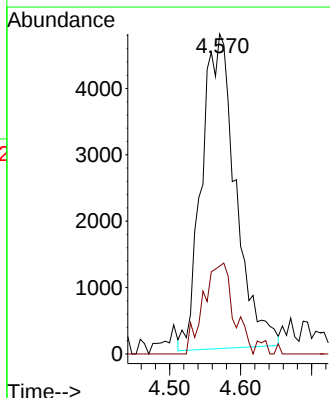
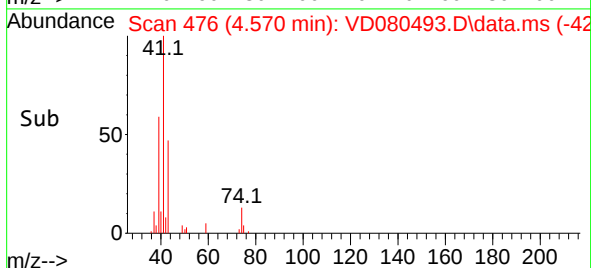
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025

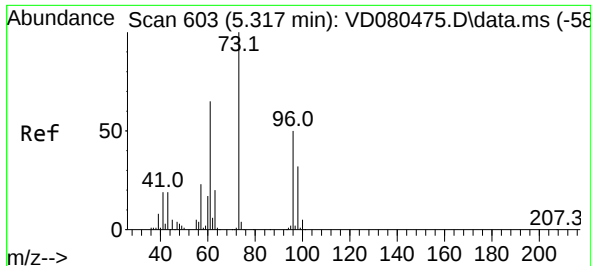


#18
Methyl Acetate
Concen: 5.367 ug/l
RT: 4.570 min Scan# 476
Delta R.T. 0.012 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04



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





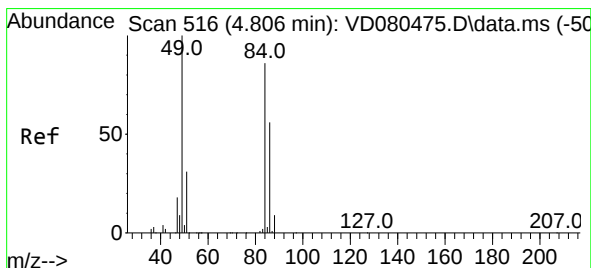
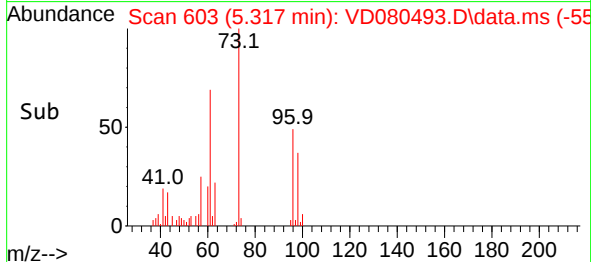
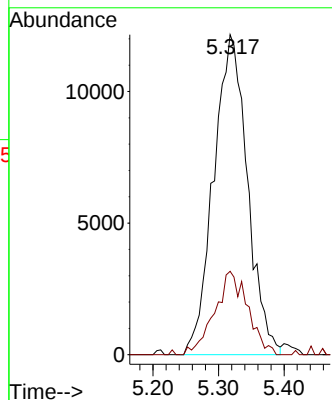
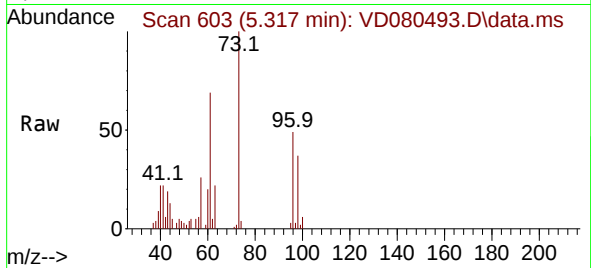
#19
Methyl tert-butyl Ether
Concen: 4.070 ug/l
RT: 5.317 min Scan# 603
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

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

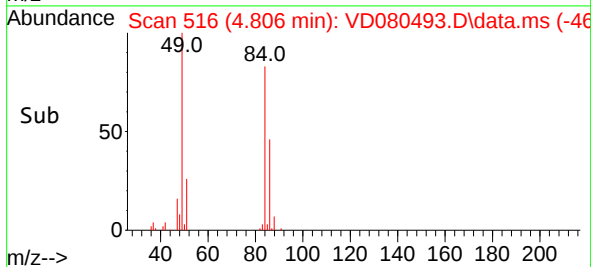
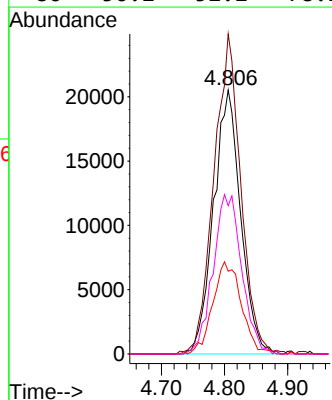
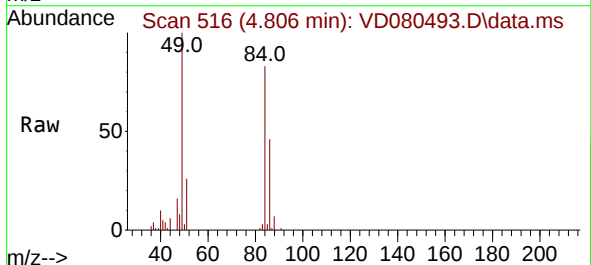
Manual Integrations
APPROVED

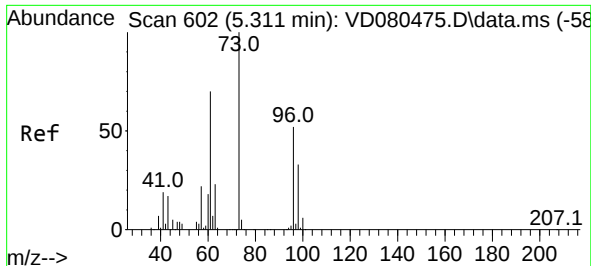
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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

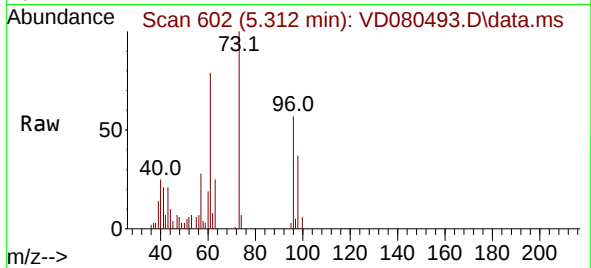
Tgt Ion: 84 Resp: 61217
Ion Ratio Lower Upper
84 100
49 120.3 92.8 139.2
51 31.3 29.0 43.6
86 56.2 52.2 78.2





#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

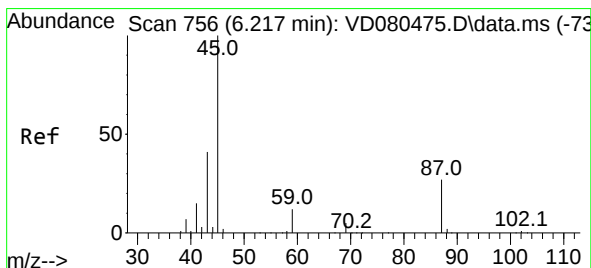
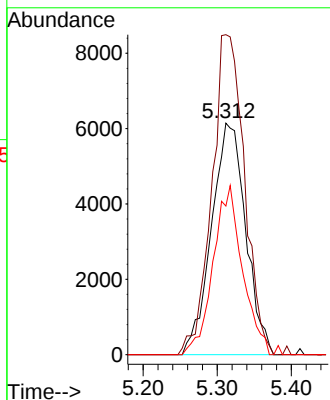
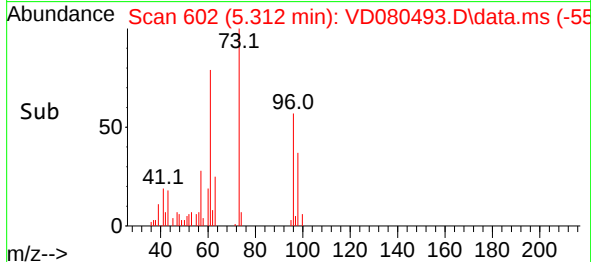
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025



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

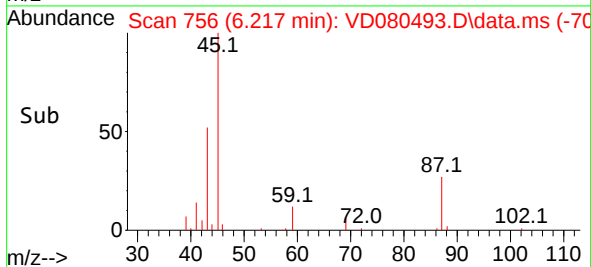
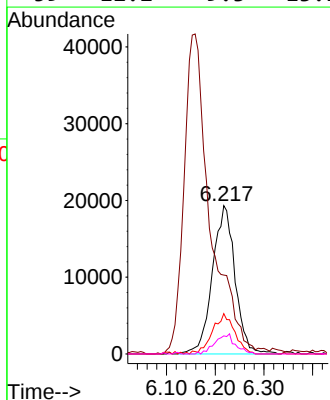
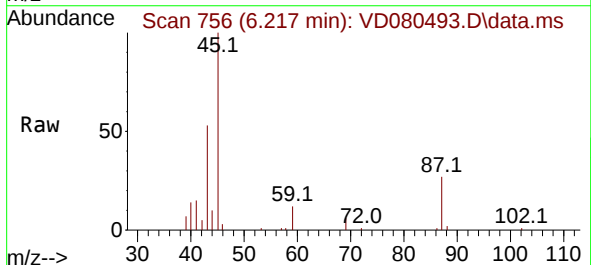
Manual Integrations
APPROVED

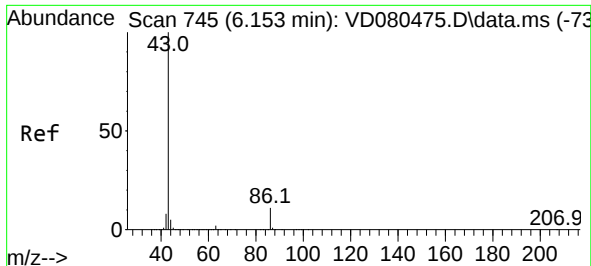
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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

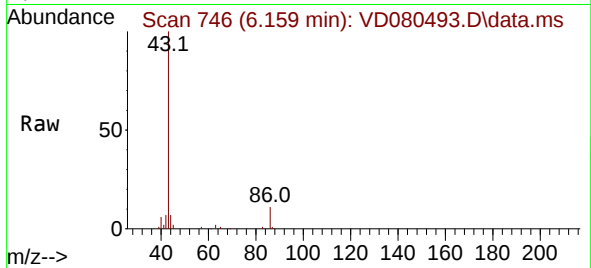
Tgt Ion: 45 Resp: 62530
Ion Ratio Lower Upper
45 100
43 50.5 39.5 59.3
87 27.2 22.3 33.5
59 12.2 9.3 13.9





#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

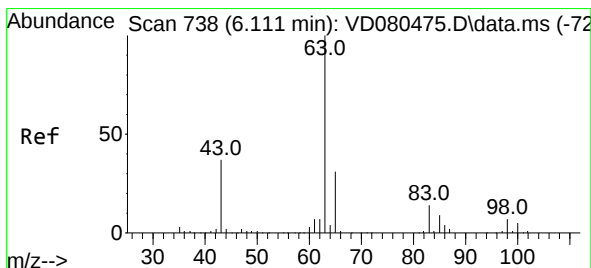
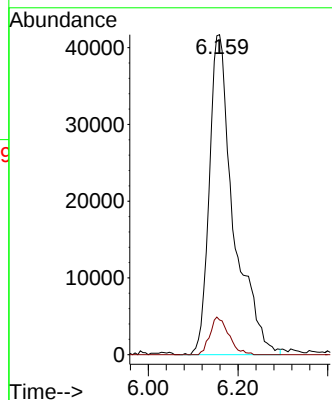
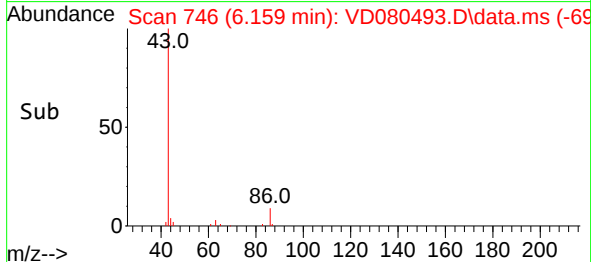
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2025



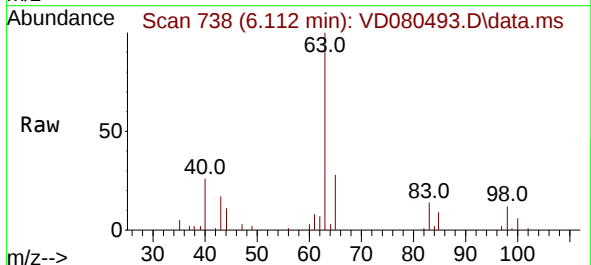
Tgt Ion: 43 Resp: 156608
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.7 13.1

Manual Integrations
 APPROVED

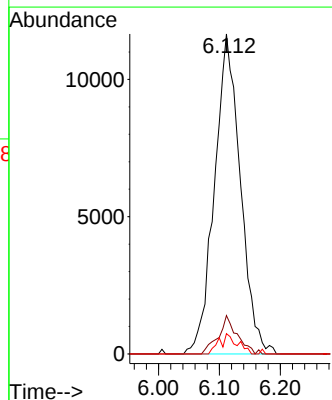
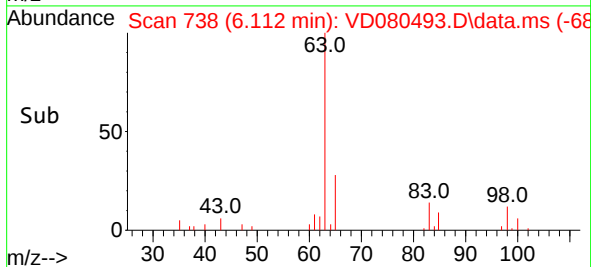
Reviewed By :Mahesh Dadoda 06/30/2025
 Supervised By :Semsettin Yesilyurt 06/30/2025

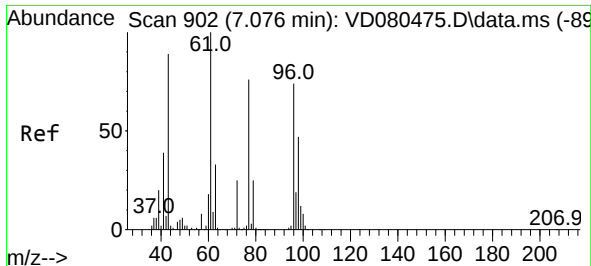


#24
 1,1-Dichloroethane
 Concen: 4.028 ug/l
 RT: 6.112 min Scan# 738
 Delta R.T. 0.000 min
 Lab File: VD080493.D
 Acq: 27 Jun 2025 14:04



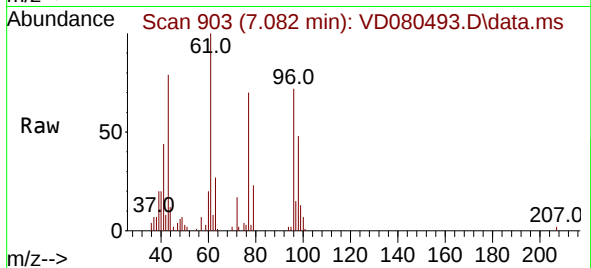
Tgt Ion: 63 Resp: 34426
 Ion Ratio Lower Upper
 63 100
 98 12.0 3.3 9.9#
 100 6.3 2.5 7.4





#25
2-Butanone
Concen: 19.798 ug/l
RT: 7.082 min Scan# 903
Delta R.T. 0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

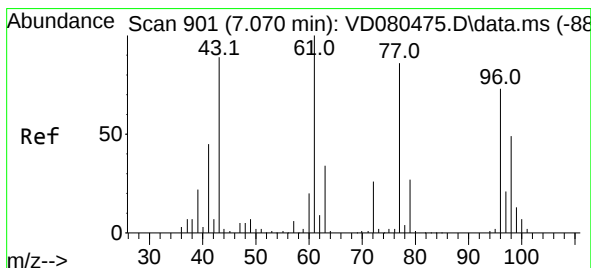
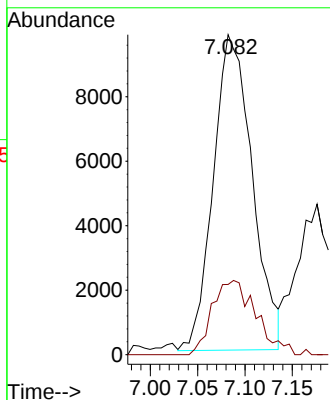
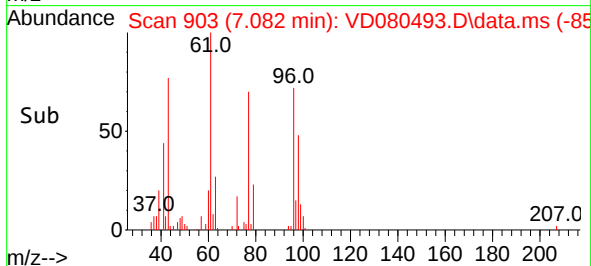
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 43 Resp: 2802
Ion Ratio Lower Upper
43 100
72 22.3 22.8 34.2

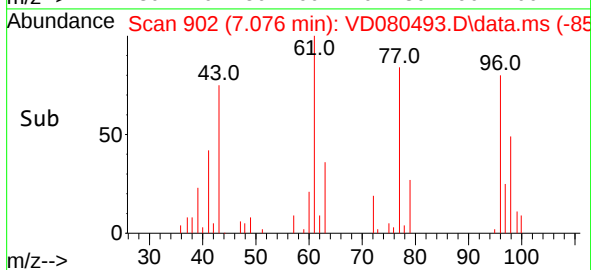
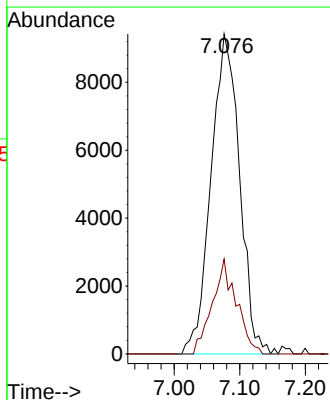
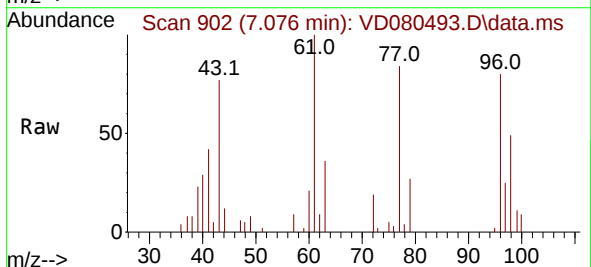
Manual Integrations
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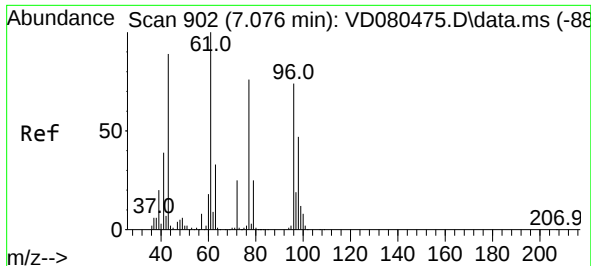
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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 :

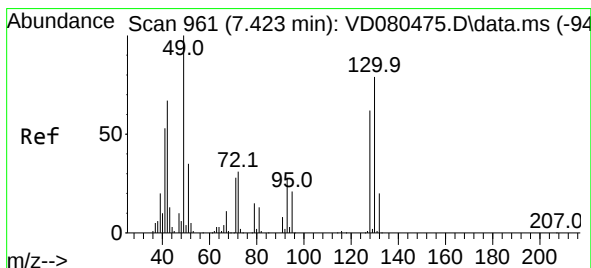
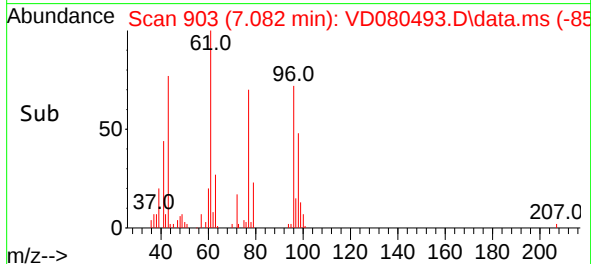
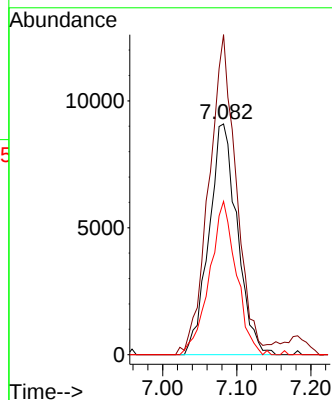
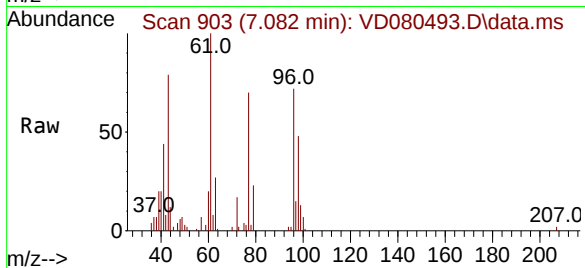
MDL-SOIL-03-QT2-2025

Tgt Ion: 96	Resp: 24120
Ion Ratio	Lower Upper
96	100
61	134.2 0.0 274.6
98	63.0 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#28

Bromochloromethane

Concen: 4.641 ug/l

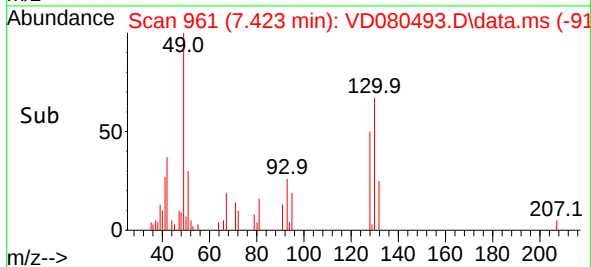
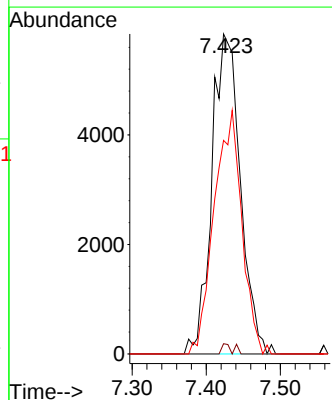
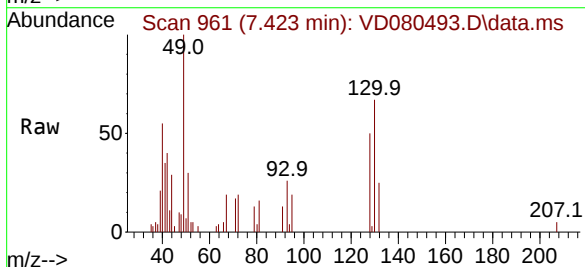
RT: 7.423 min Scan# 961

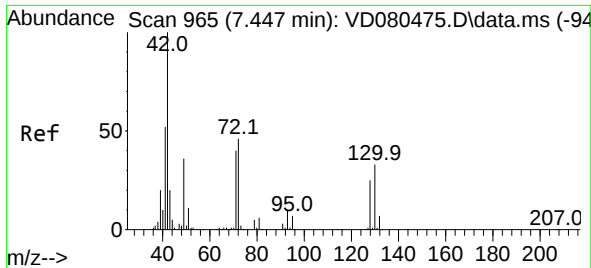
Delta R.T. 0.000 min

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





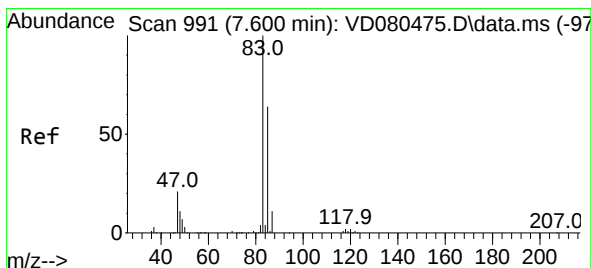
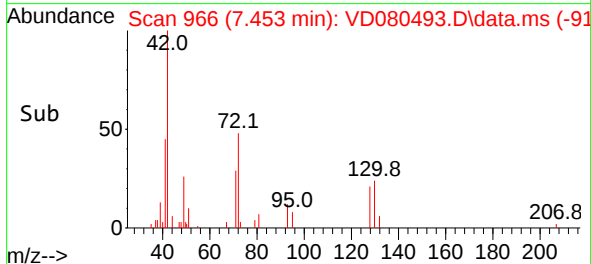
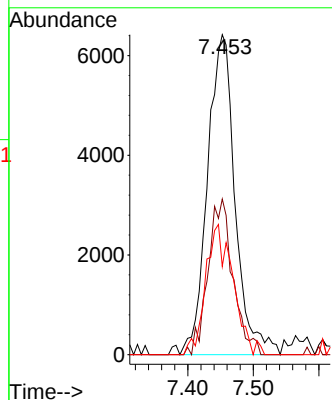
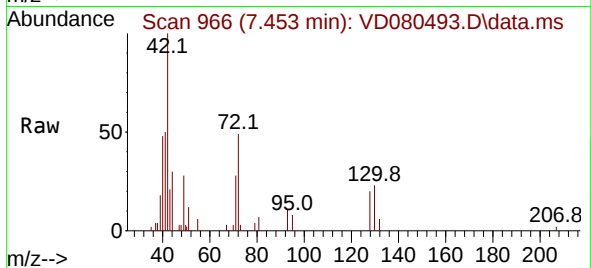
#29
Tetrahydrofuran
Concen: 21.063 ug/l
RT: 7.453 min Scan# 966
Delta R.T. 0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

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

Tgt Ion: 42 Resp: 1878
Ion Ratio Lower Upper
42 100
72 43.9 35.9 53.9
71 39.6 33.2 49.8

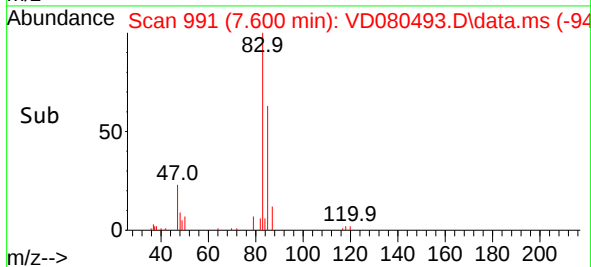
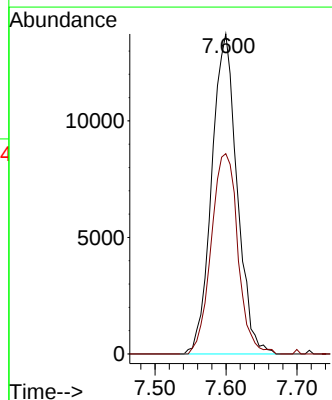
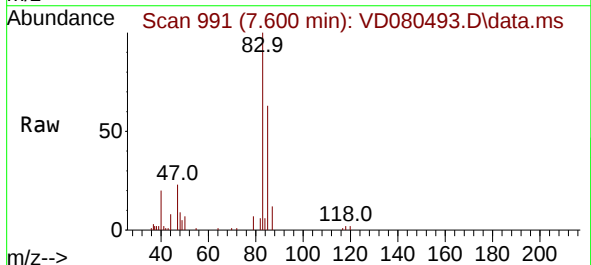
Manual Integrations
APPROVED

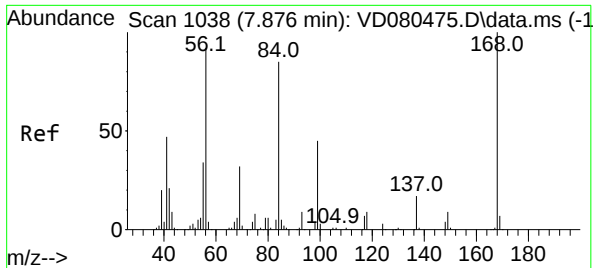
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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

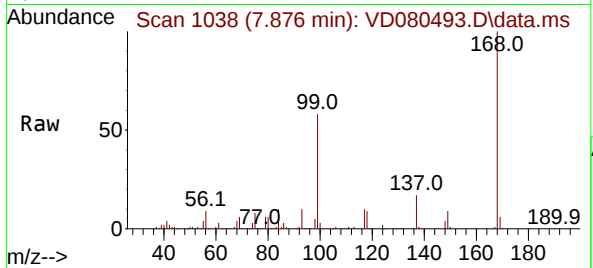
Tgt Ion: 83 Resp: 34030
Ion Ratio Lower Upper
83 100
85 62.6 51.2 76.8





#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

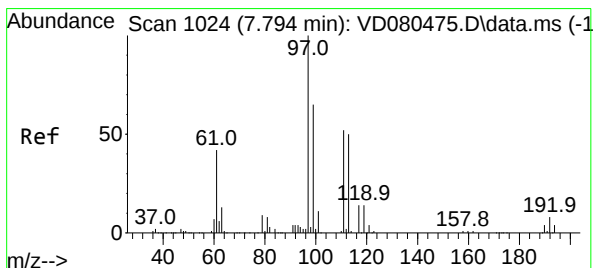
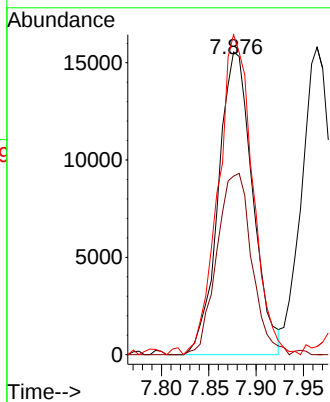
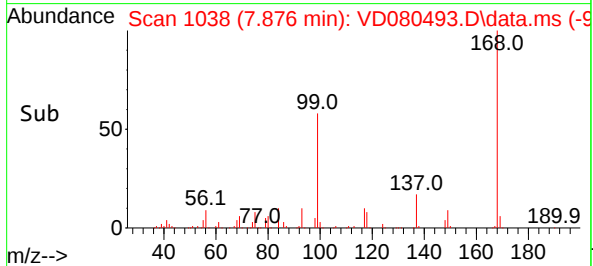
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025



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

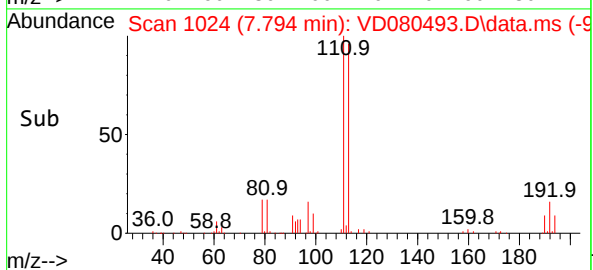
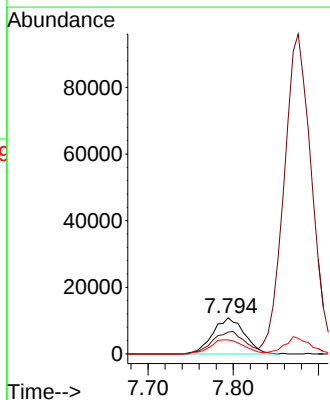
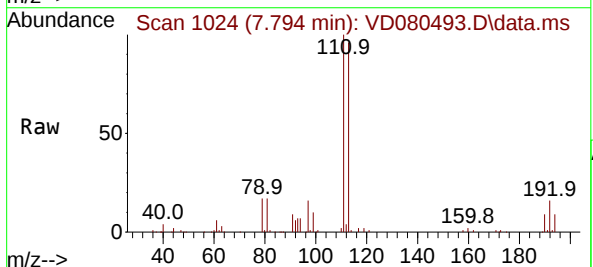
Manual Integrations
APPROVED

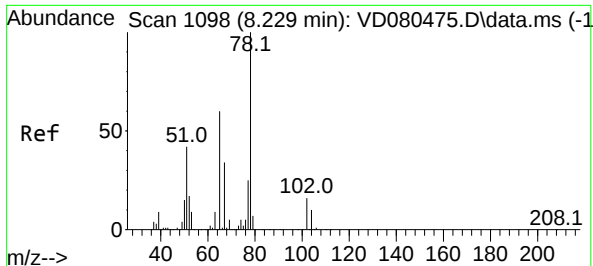
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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

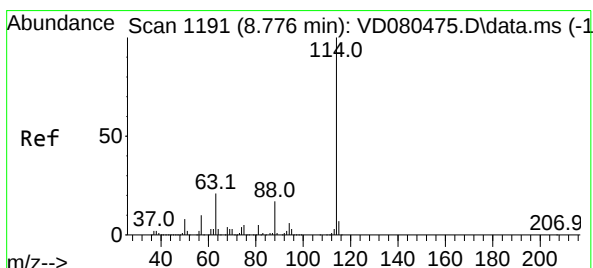
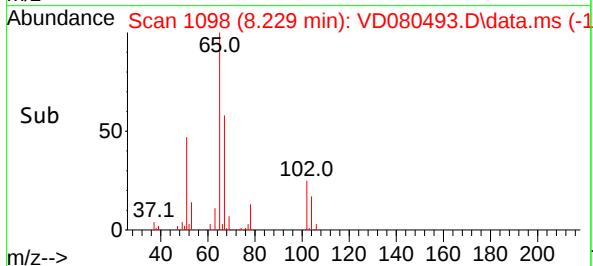
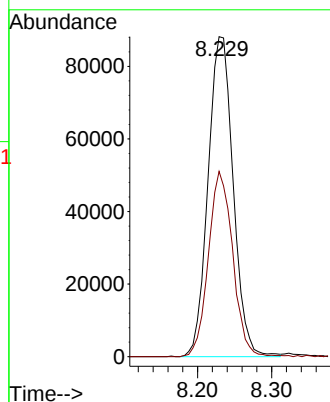
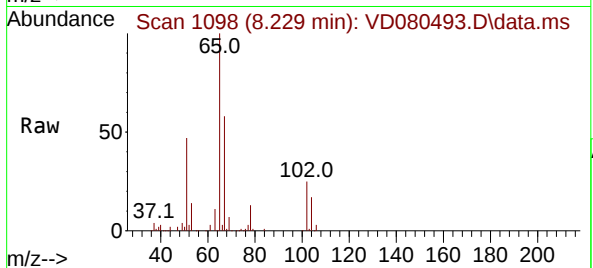
67 56.0 0.0 113.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/30/2025

Supervised By :Semsettin Yesilyurt 06/30/2025



#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

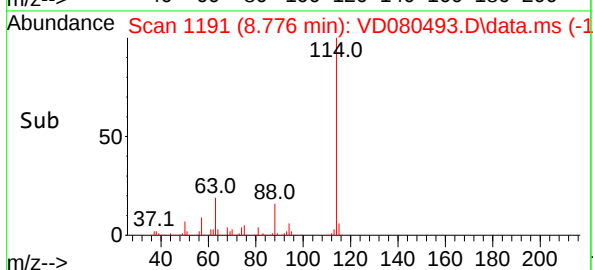
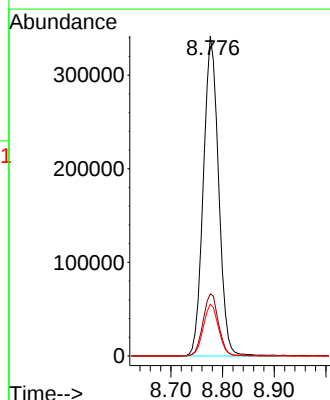
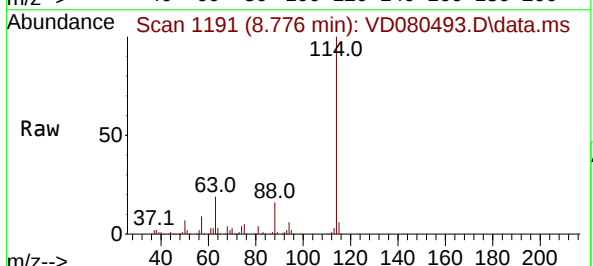
Tgt Ion:114 Resp: 699521

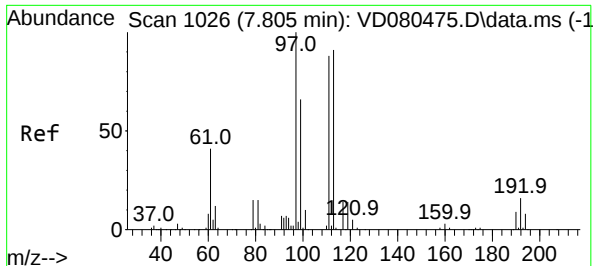
Ion Ratio Lower Upper

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

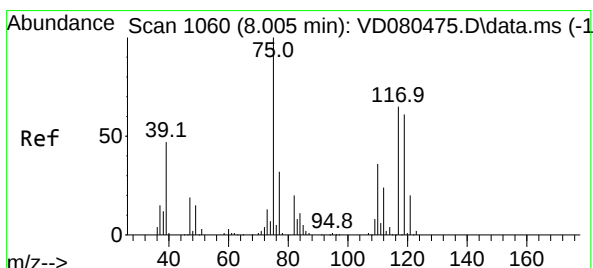
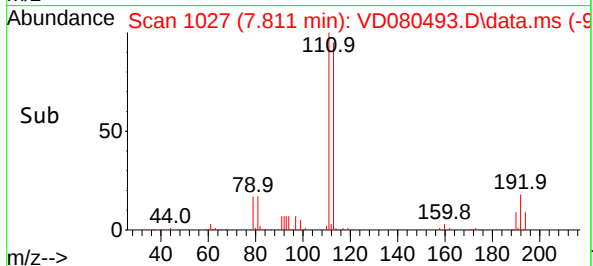
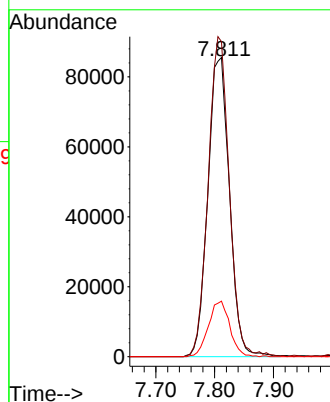
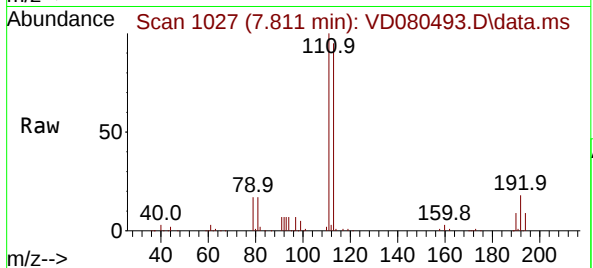
Tgt Ion: 113 Resp: 21893

Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.5	123.7
192	18.3	15.0	22.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#36

1,1-Dichloropropene

Concen: 4.206 ug/l

RT: 8.011 min Scan# 1061

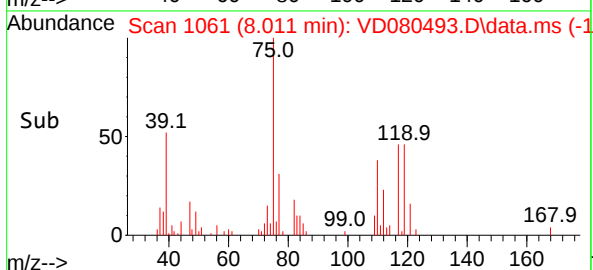
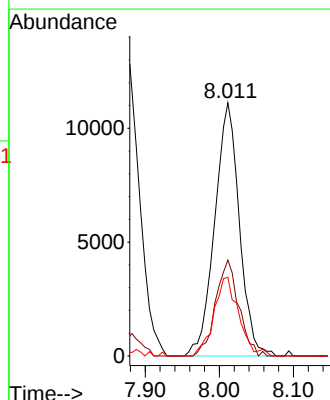
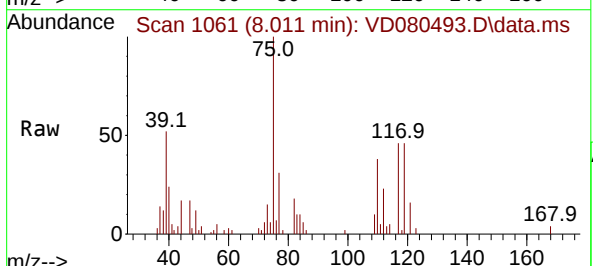
Delta R.T. 0.006 min

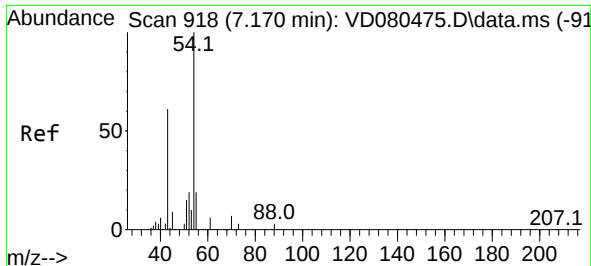
Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

Tgt Ion: 75 Resp: 25732

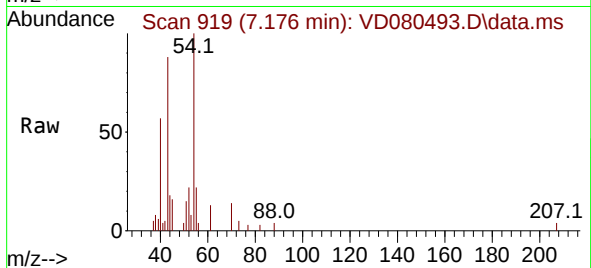
Ion	Ratio	Lower	Upper
75	100		
110	35.5	18.2	54.6
77	31.3	25.2	37.8





#37
Ethyl Acetate
Concen: 4.487 ug/l m
RT: 7.176 min Scan# 918
Delta R.T. 0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

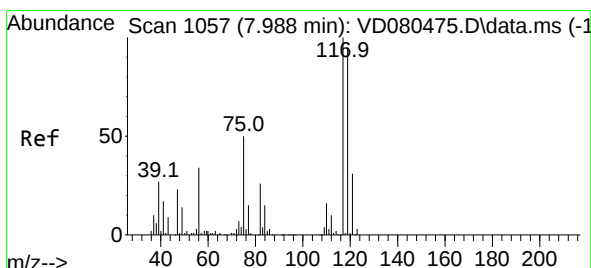
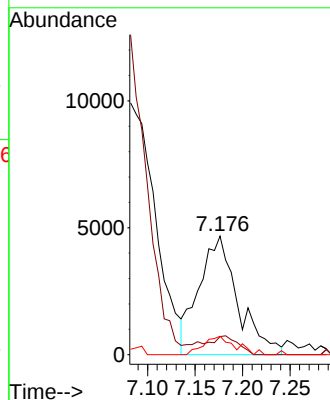
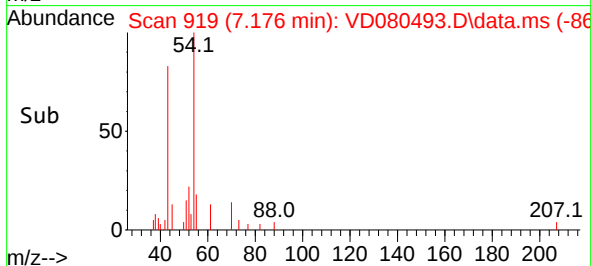
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 43 Resp: 1334
Ion Ratio Lower Upper
43 100
61 8.0 12.2 18.2
70 12.5 9.2 13.8

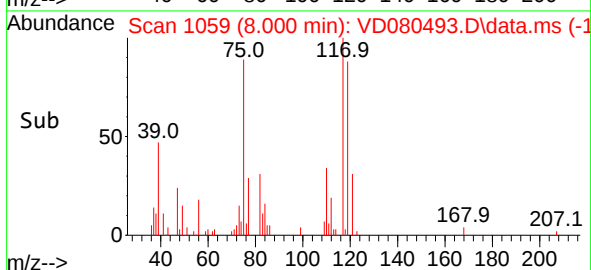
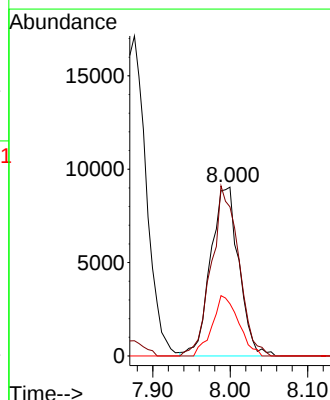
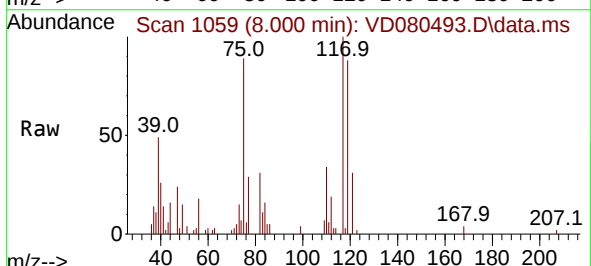
Manual Integrations
APPROVED

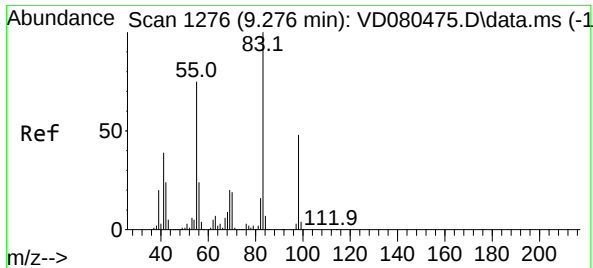
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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

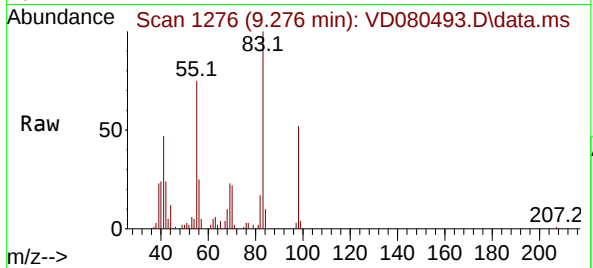
Tgt Ion:117 Resp: 23002
Ion Ratio Lower Upper
117 100
119 88.4 75.8 113.6
121 30.9 25.0 37.4





#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

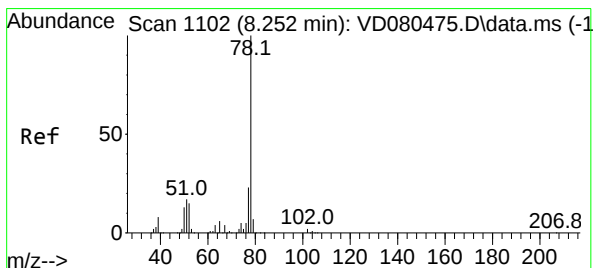
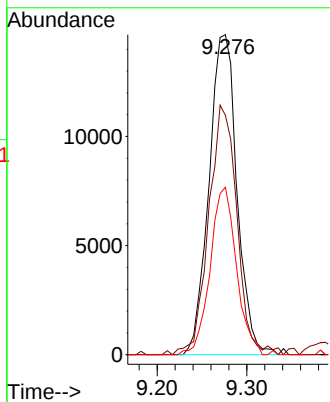
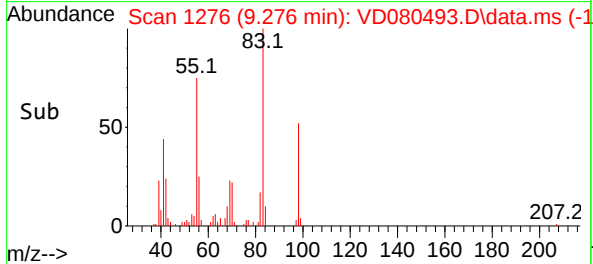
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025



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

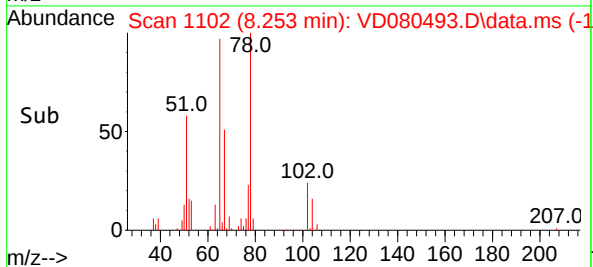
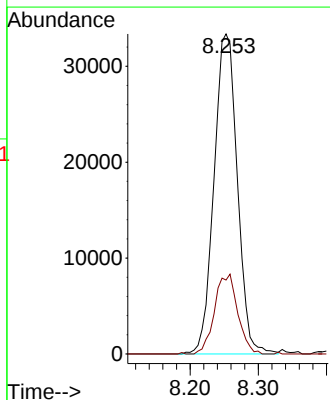
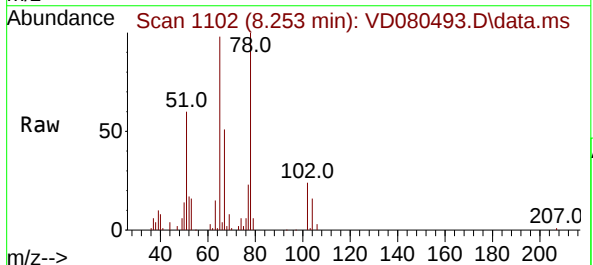
Manual Integrations
APPROVED

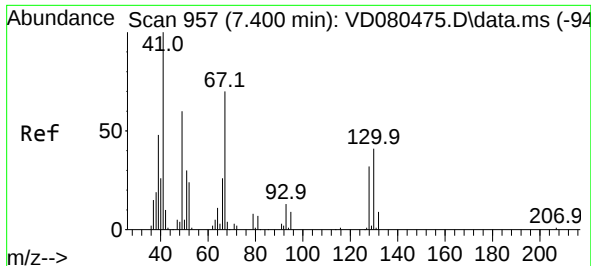
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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

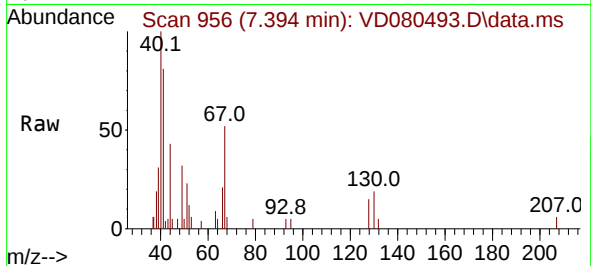
Tgt Ion: 78 Resp: 79505
Ion Ratio Lower Upper
78 100
77 23.1 18.6 28.0





#41
Methacrylonitrile
Concen: 4.371 ug/l
RT: 7.394 min Scan# 911
Delta R.T. -0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

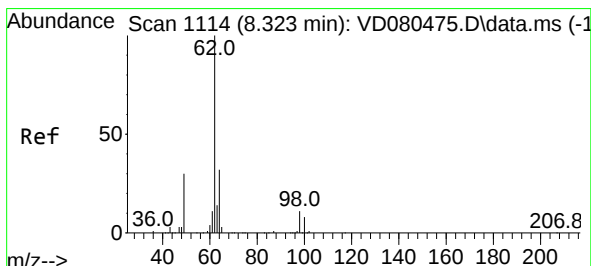
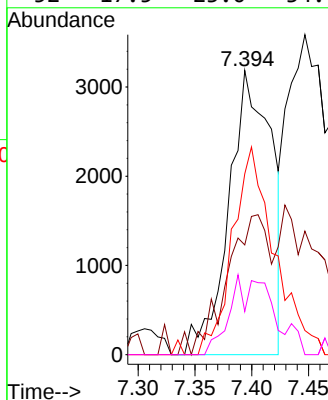
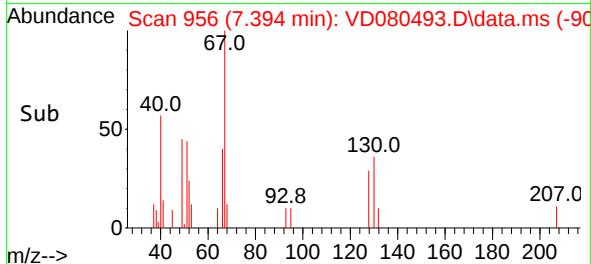
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:	41	Resp:	8300
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

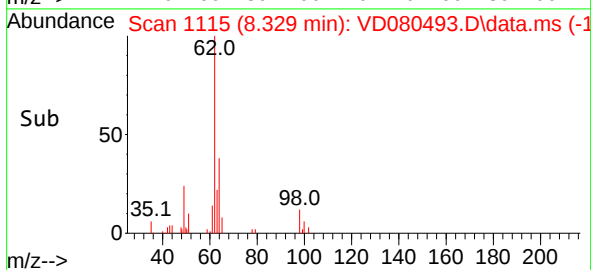
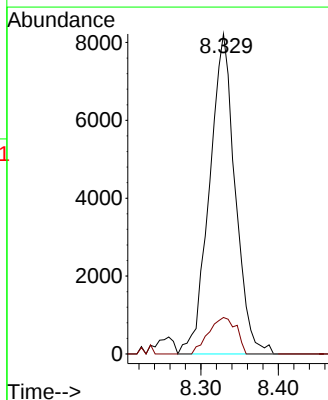
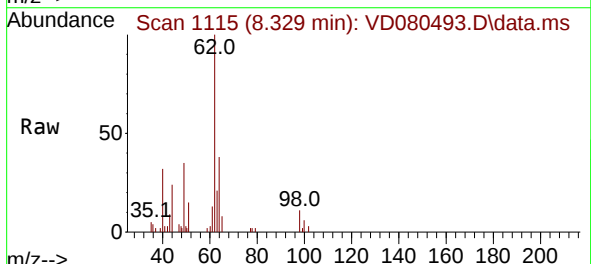
Manual Integrations
APPROVED

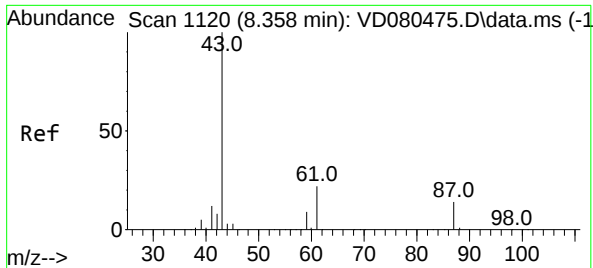
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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

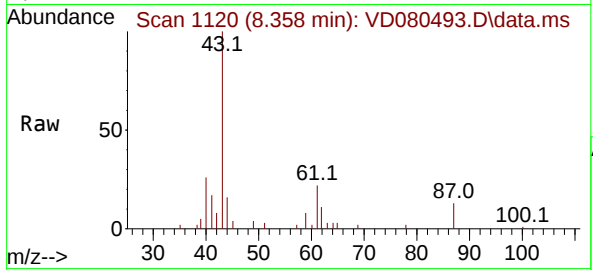
Tgt Ion:	62	Resp:	18959
Ion	Ratio	Lower	Upper
62	100		
98	12.3	0.0	22.0





#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

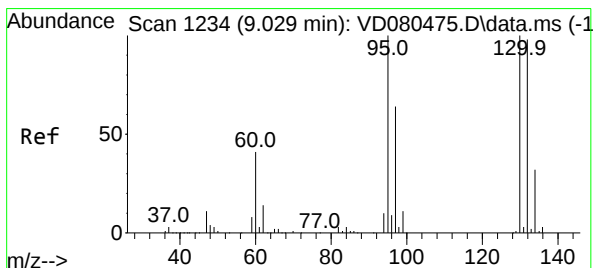
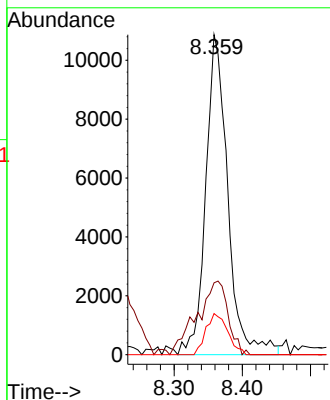
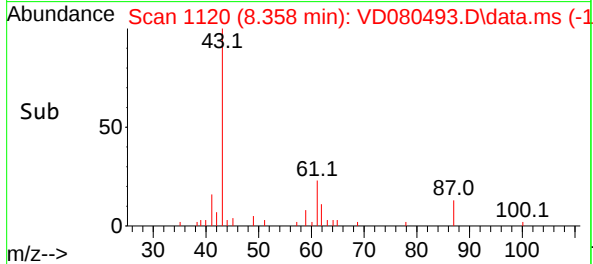
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion: 43 Resp: 2447
Ion Ratio Lower Upper
43 100
61 32.3 24.4 36.6
87 12.6 11.4 17.2

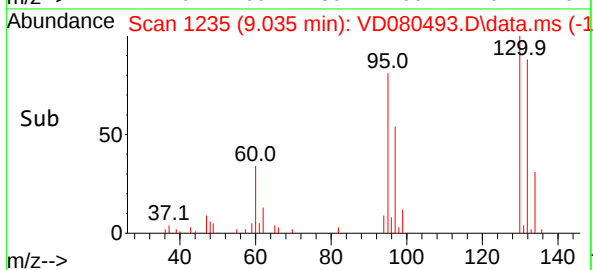
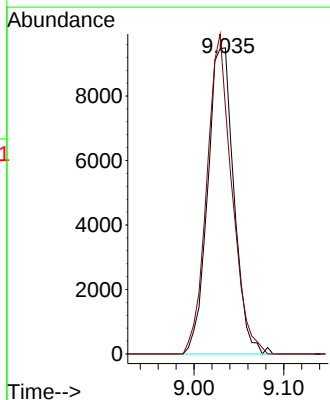
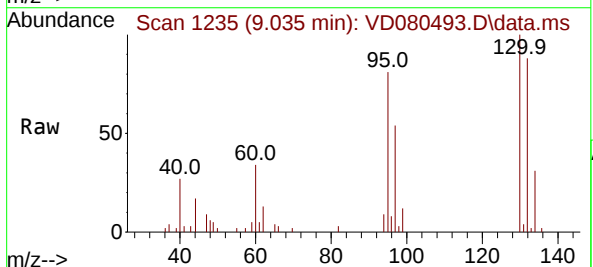
Manual Integrations
APPROVED

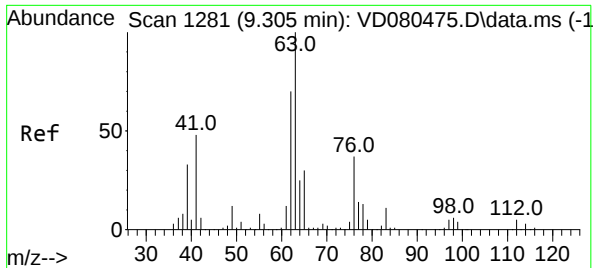
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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

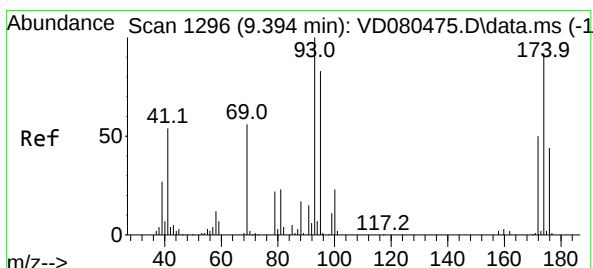
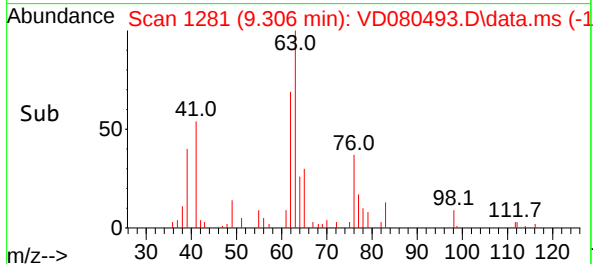
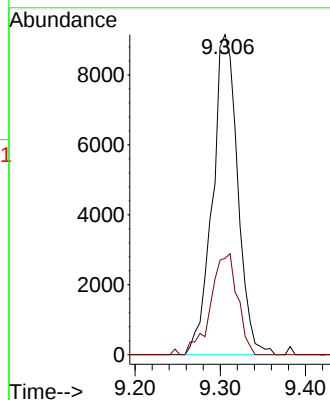
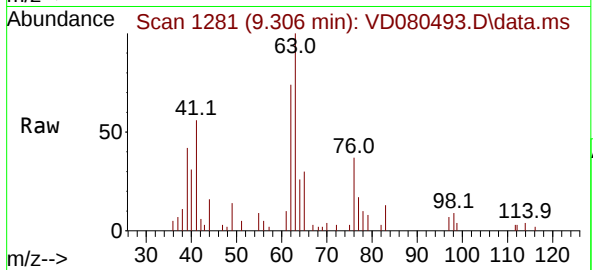
ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion: 63 Resp: 1877
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.0 36.0

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/30/2025
 Supervised By :Semsettin Yesilyurt 06/30/2025



#46

Dibromomethane

Concen: 4.215 ug/l

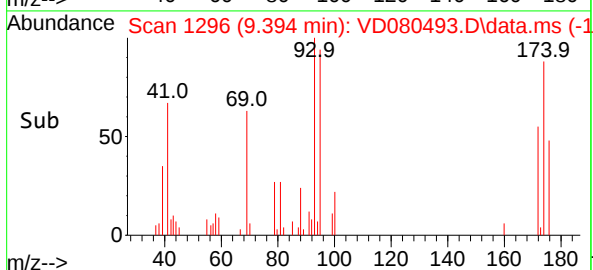
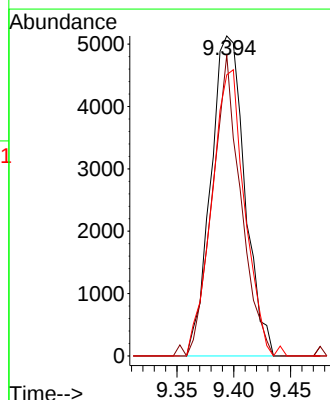
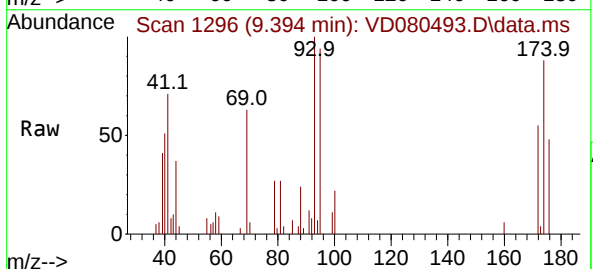
RT: 9.394 min Scan# 1296

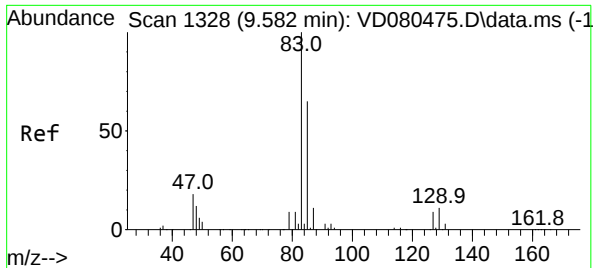
Delta R.T. 0.000 min

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





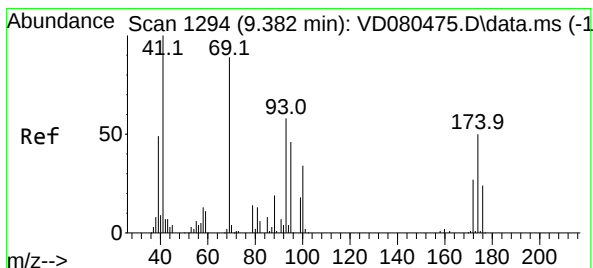
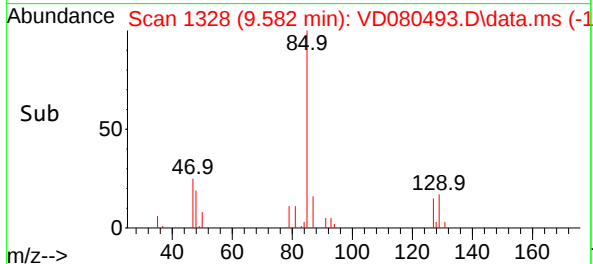
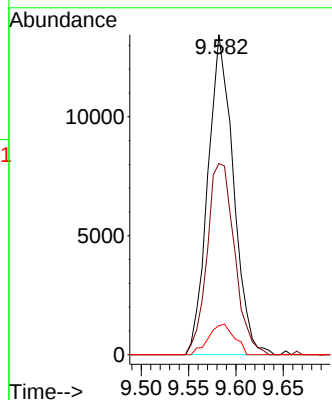
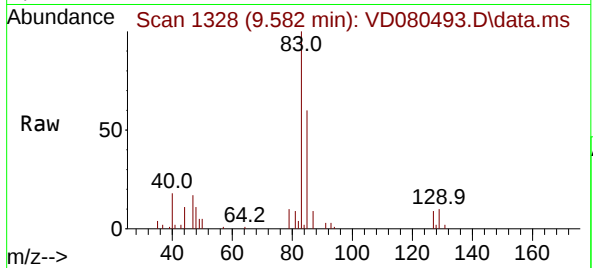
#47
Bromodichloromethane
Concen: 4.001 ug/l
RT: 9.582 min Scan# 1328
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

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

Tgt Ion: 83 Resp: 2518
Ion Ratio Lower Upper
83 100
85 59.8 52.2 78.2
127 9.0 6.9 10.3

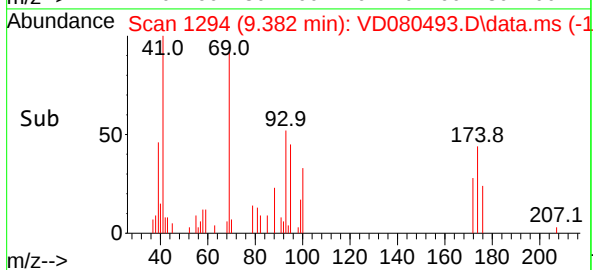
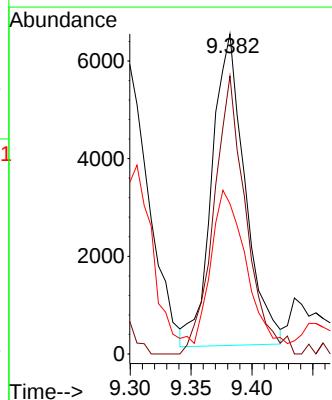
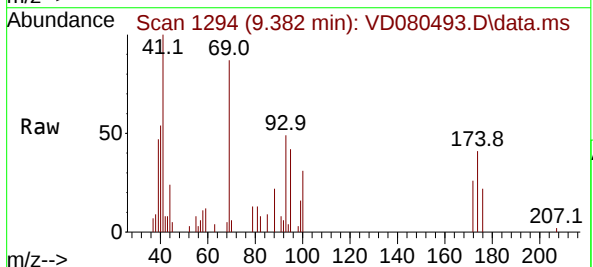
Manual Integrations
APPROVED

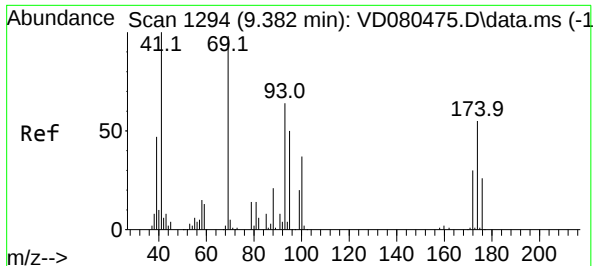
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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

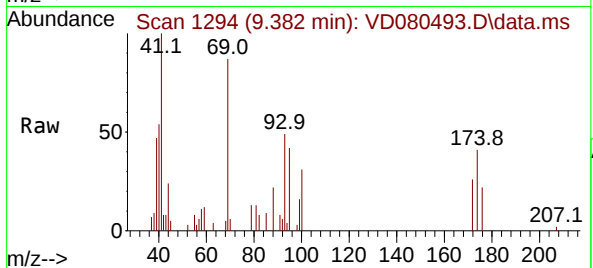
Tgt Ion: 41 Resp: 12068
Ion Ratio Lower Upper
41 100
69 86.7 70.2 105.4
39 51.3 40.2 60.2





#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

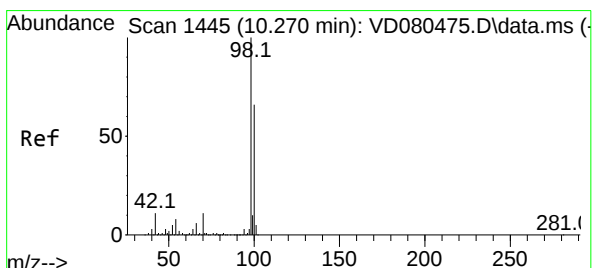
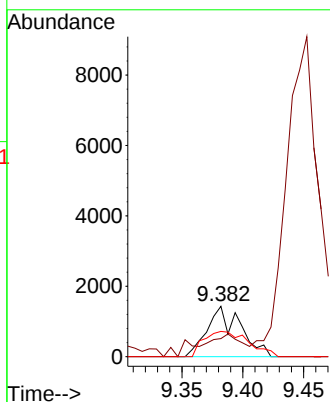
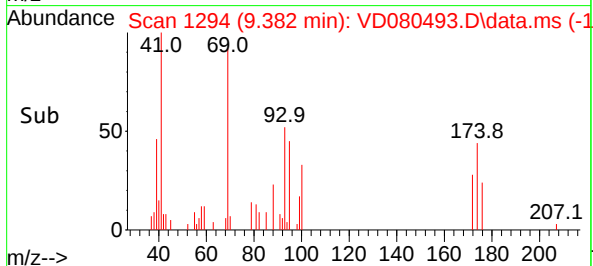
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025



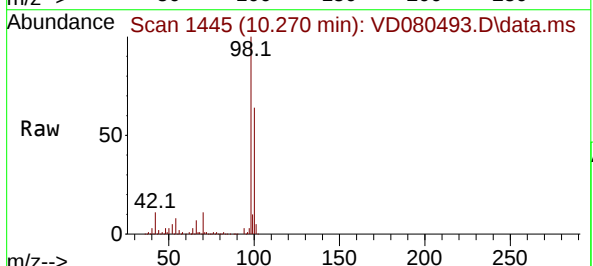
Tgt Ion: 88 Resp: 2708
Ion Ratio Lower Upper
88 100
43 21.7 26.7 40.1
58 67.8 56.4 84.6

Manual Integrations
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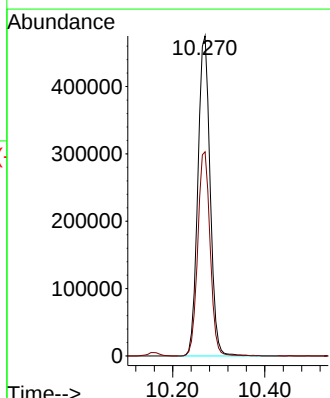
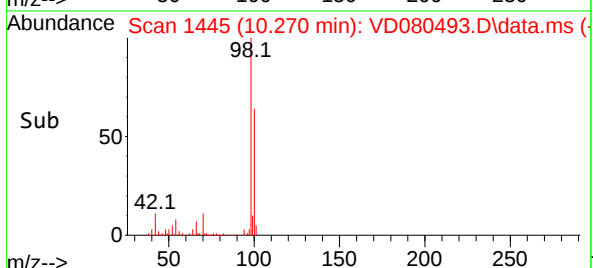
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025

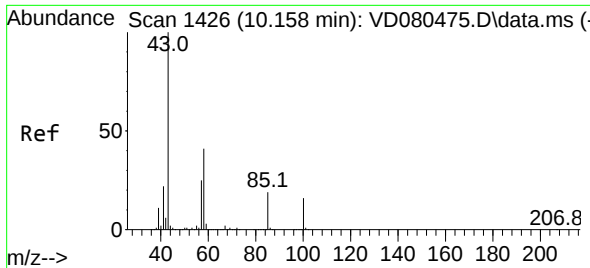


#50
Toluene-d8
Concen: 55.570 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04



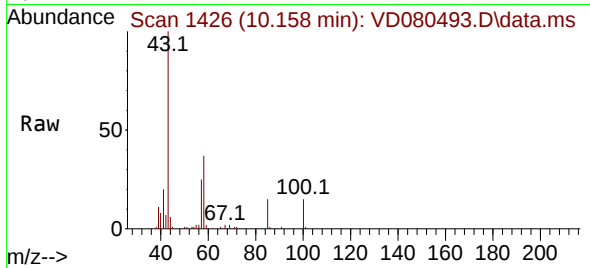
Tgt Ion: 98 Resp: 879351
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4





#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

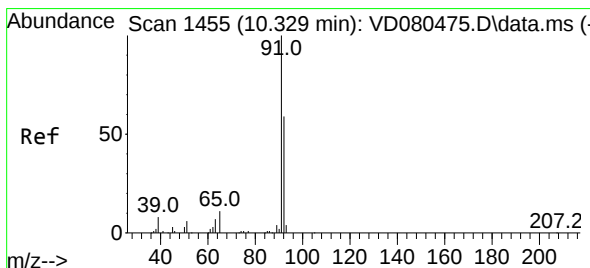
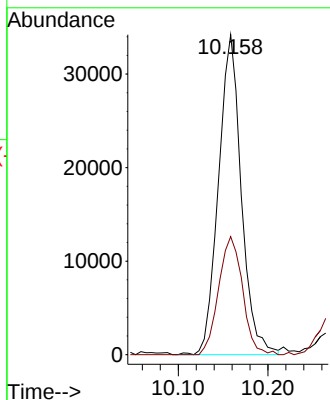
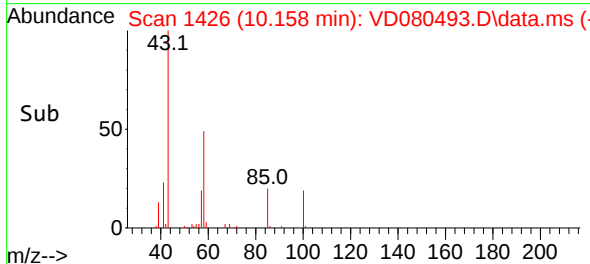
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025



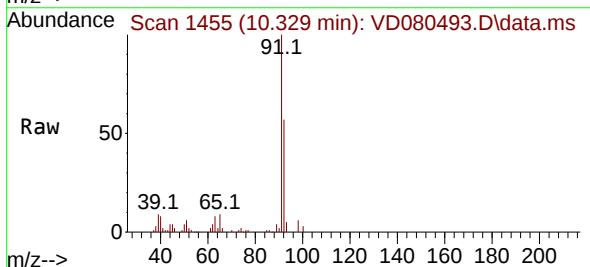
Tgt Ion: 43 Resp: 60460
Ion Ratio Lower Upper
43 100
58 38.6 33.3 49.9

Manual Integrations
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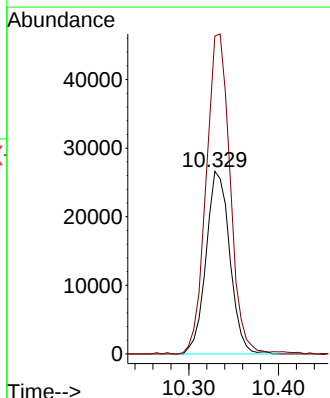
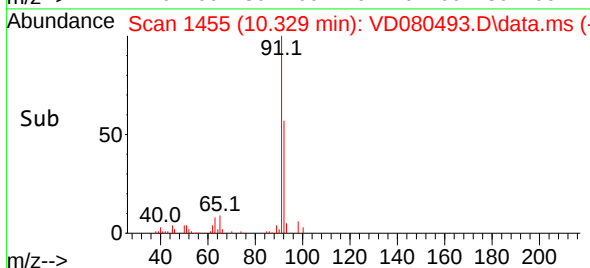
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025

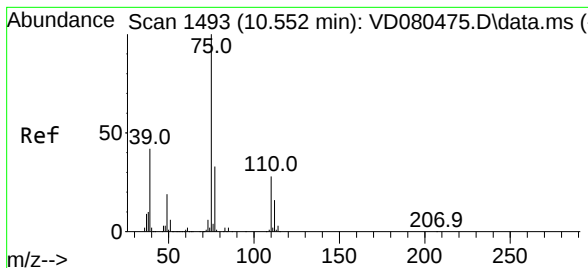


#52
Toluene
Concen: 3.984 ug/l
RT: 10.329 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04



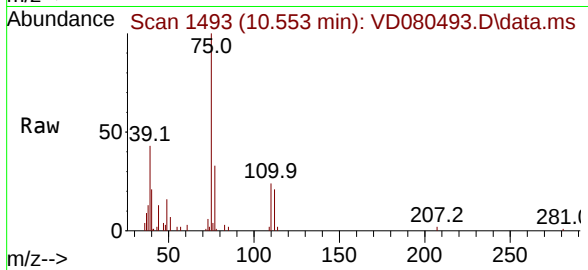
Tgt Ion: 92 Resp: 48891
Ion Ratio Lower Upper
92 100
91 177.0 137.1 205.7





#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

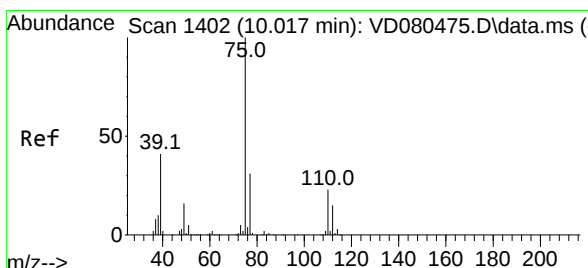
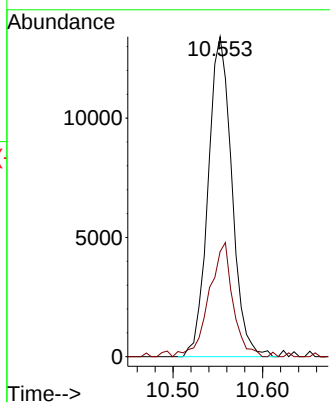
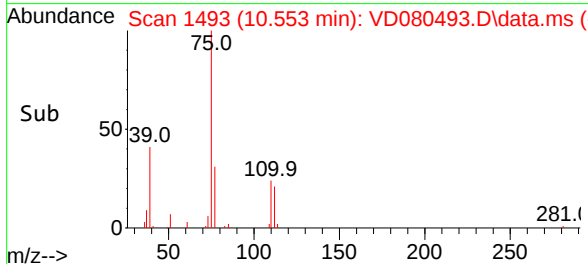
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025



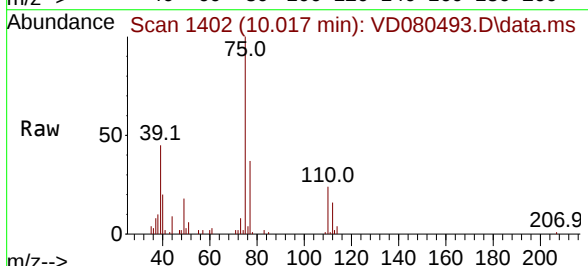
Tgt Ion: 75 Resp: 2468
Ion Ratio Lower Upper
75 100
77 32.8 26.2 39.2

Manual Integrations
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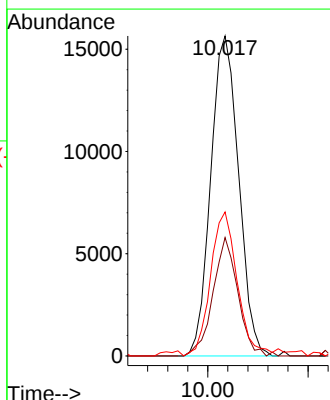
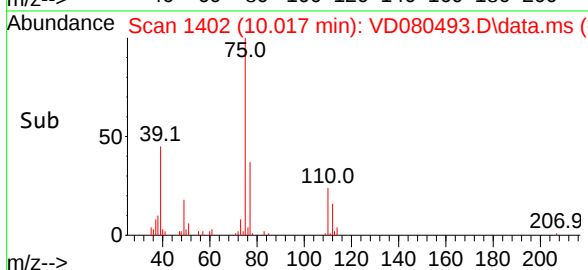
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025

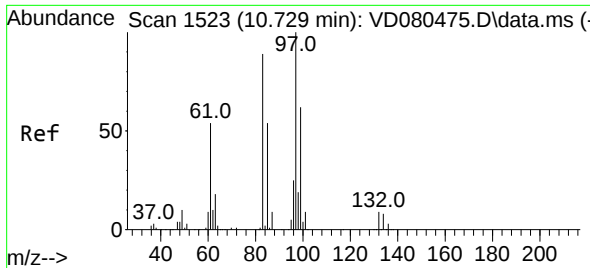


#54
cis-1,3-Dichloropropene
Concen: 3.995 ug/l
RT: 10.017 min Scan# 1402
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04



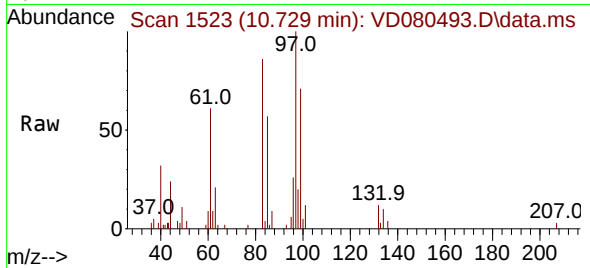
Tgt Ion: 75 Resp: 30254
Ion Ratio Lower Upper
75 100
77 37.0 24.9 37.3
39 43.4 32.5 48.7





#55
1,1,2-Trichloroethane
Concen: 4.133 ug/l
RT: 10.729 min Scan# 1501
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

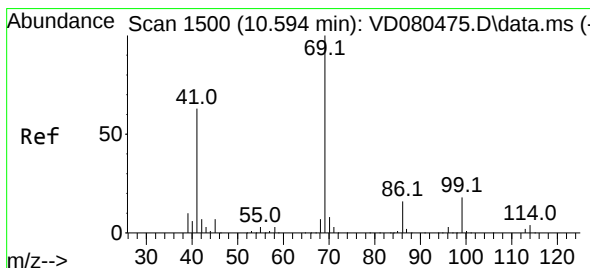
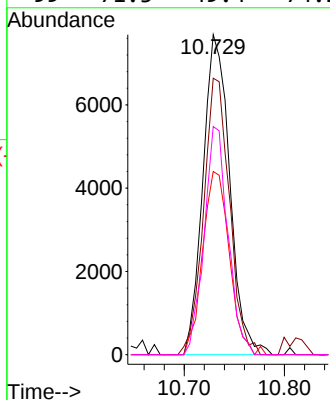
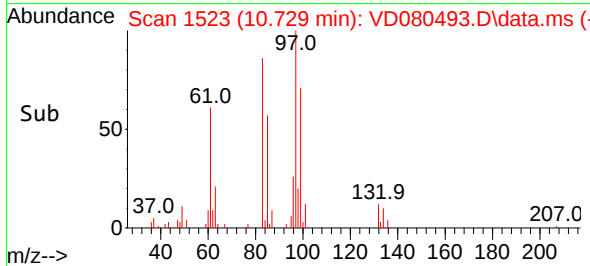
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2025



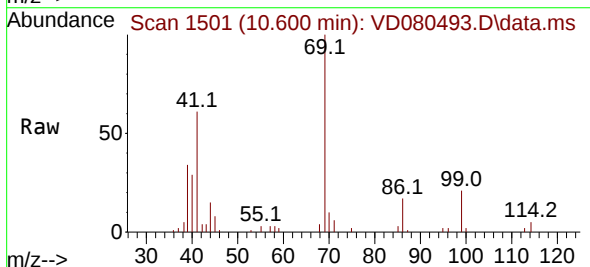
Tgt Ion:	97	Resp:	1430
Ion Ratio	100	Lower	Upper
97	100		
83	86.4	71.4	107.2
85	57.3	43.4	65.2
99	71.3	49.4	74.2

Manual Integrations
APPROVED

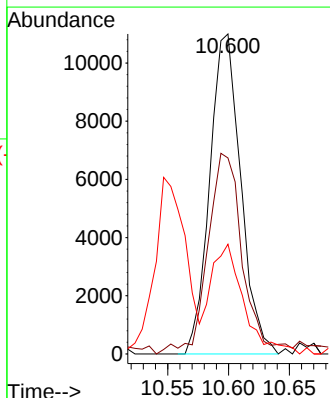
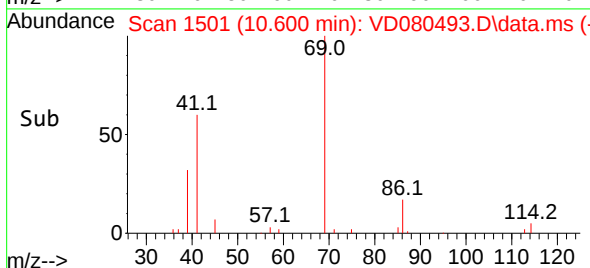
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025

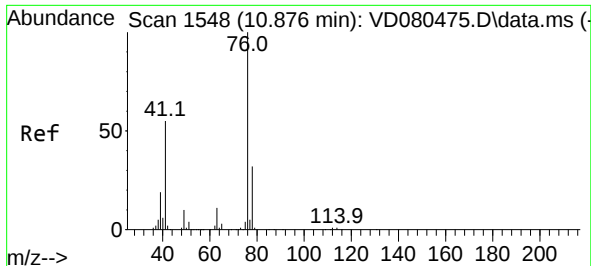


#56
Ethyl methacrylate
Concen: 3.947 ug/l
RT: 10.600 min Scan# 1501
Delta R.T. 0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04



Tgt Ion:	69	Resp:	19501
Ion Ratio	100	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: 24170

Ion Ratio Lower Upper

76 100

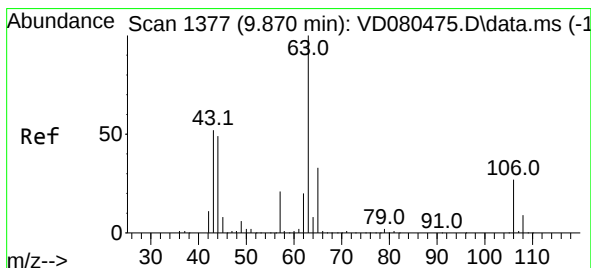
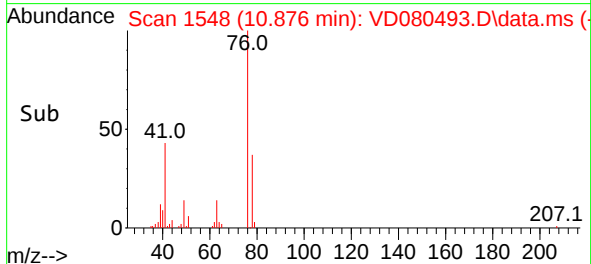
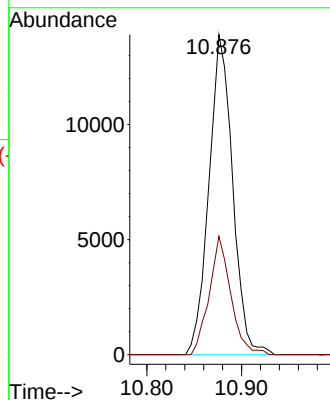
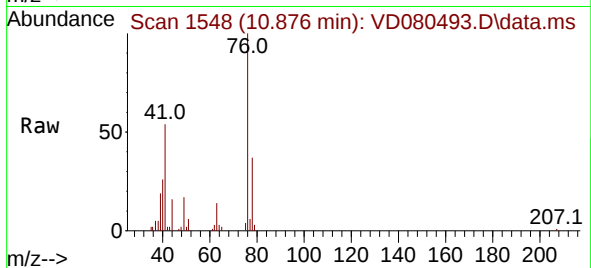
78 33.8 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/30/2025

Supervised By :Semsettin Yesilyurt 06/30/2025



#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

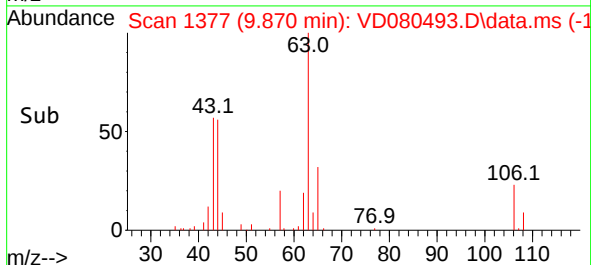
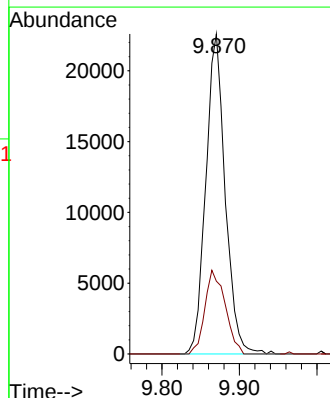
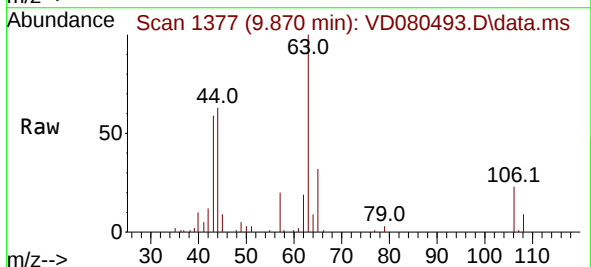
Acq: 27 Jun 2025 14:04

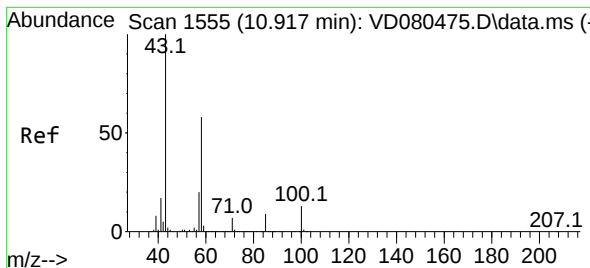
Tgt Ion: 63 Resp: 39212

Ion Ratio Lower Upper

63 100

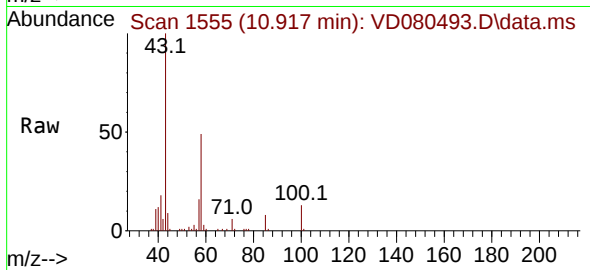
106 27.4 21.7 32.5





#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

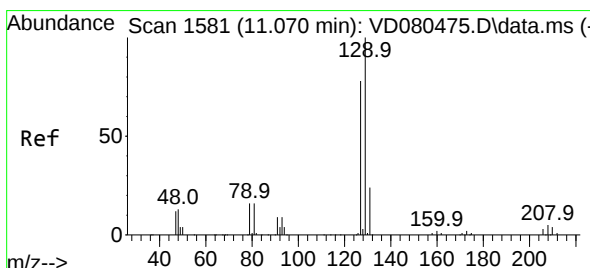
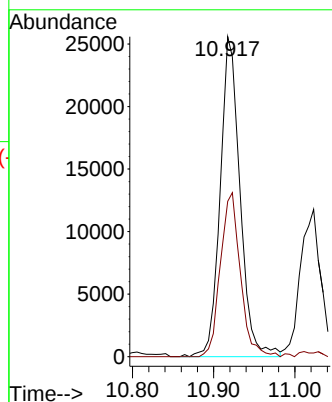
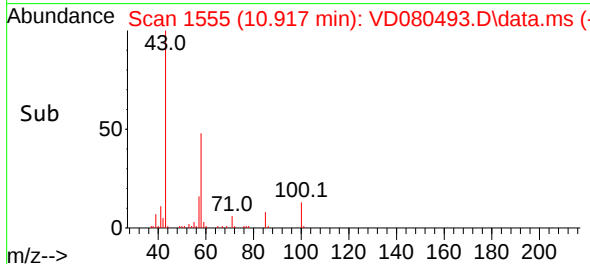
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 43 Resp: 4354
Ion Ratio Lower Upper
43 100
58 51.6 29.0 87.1

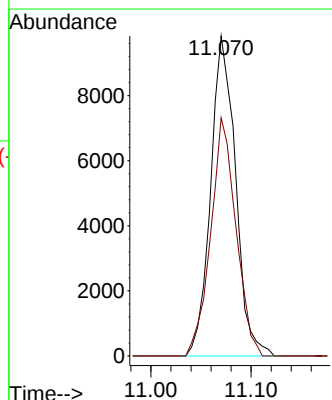
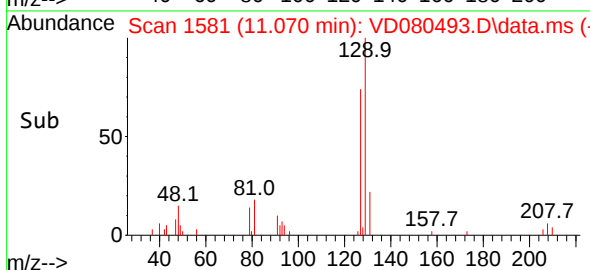
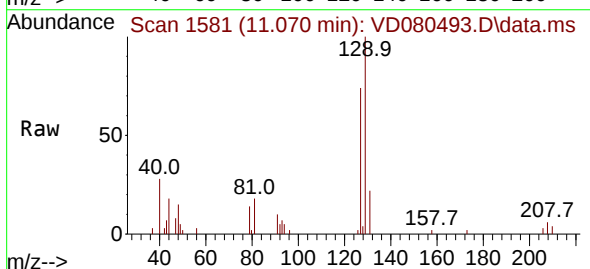
Manual Integrations
APPROVED

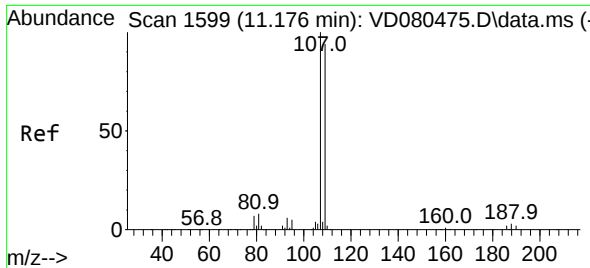
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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





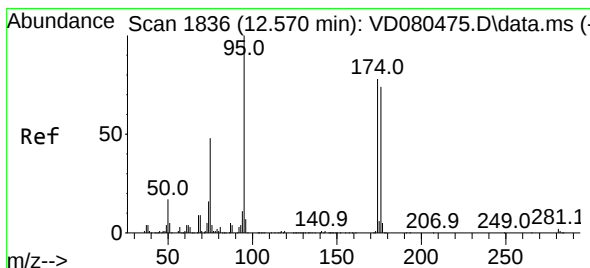
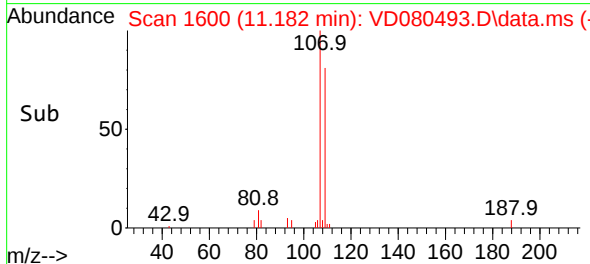
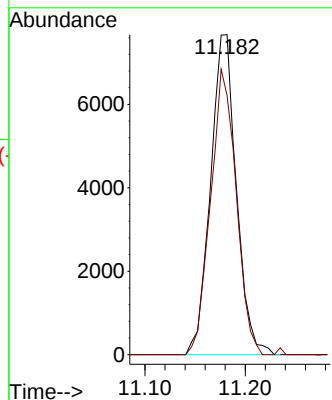
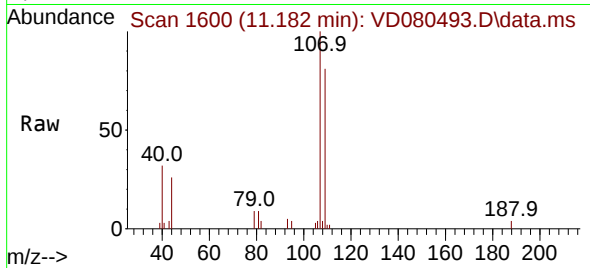
#61
1,2-Dibromoethane
Concen: 4.151 ug/l
RT: 11.182 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

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

Tgt Ion:107 Resp: 13730
Ion Ratio Lower Upper
107 100
109 88.1 75.4 113.0

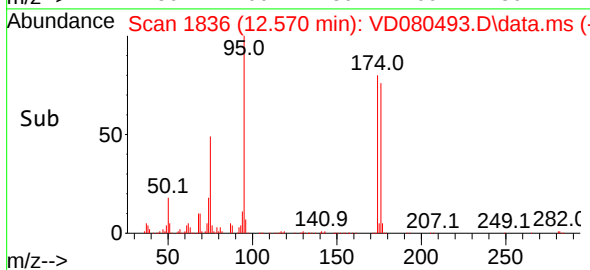
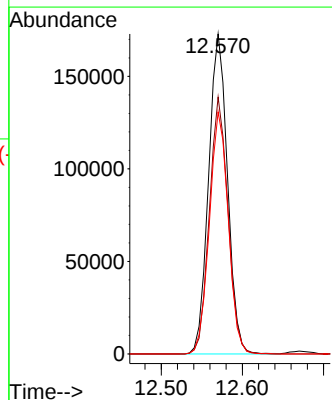
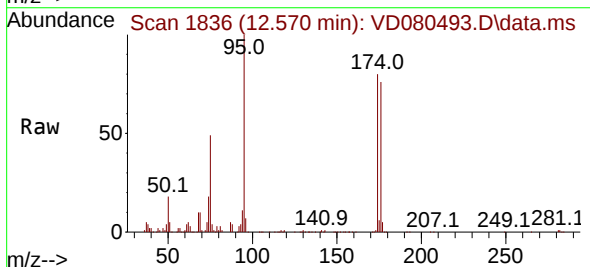
Manual Integrations
APPROVED

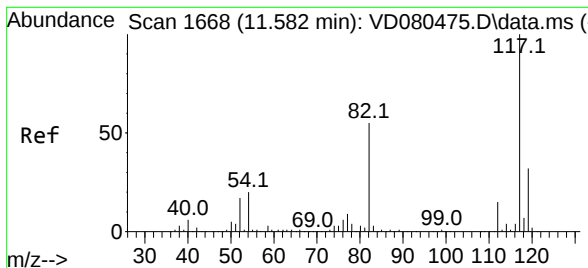
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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

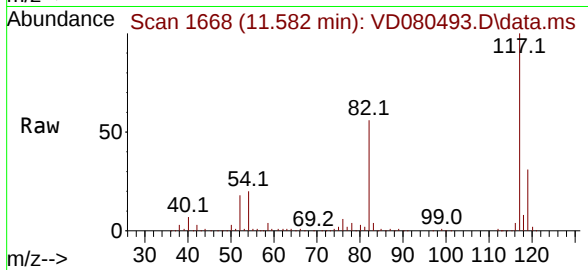
Tgt Ion: 95 Resp: 279318
Ion Ratio Lower Upper
95 100
174 79.2 0.0 154.0
176 75.4 0.0 149.6





#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

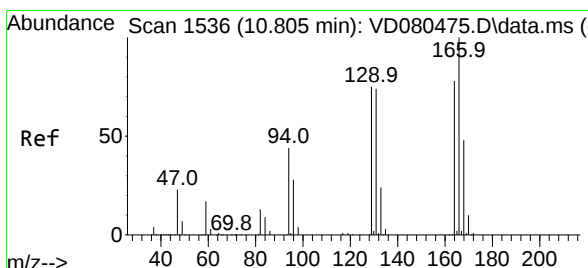
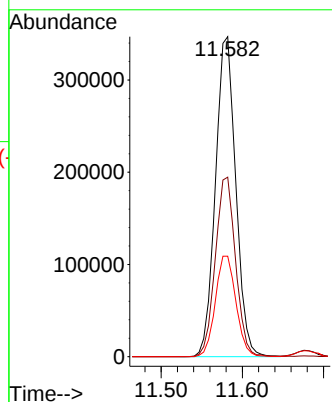
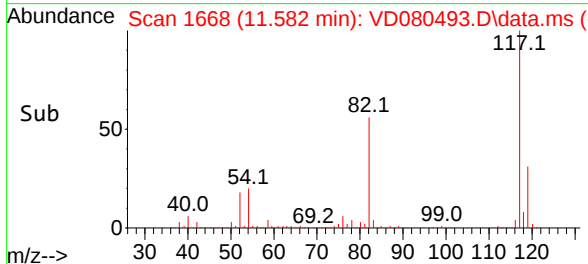
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:117 Resp: 60407
Ion Ratio Lower Upper
117 100
82 56.1 43.7 65.5
119 31.4 25.8 38.6

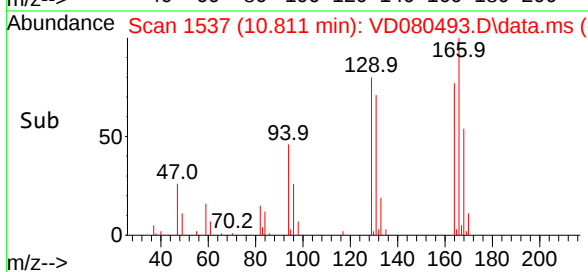
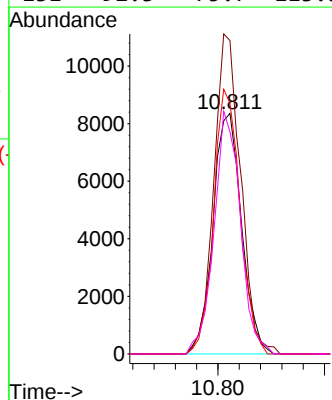
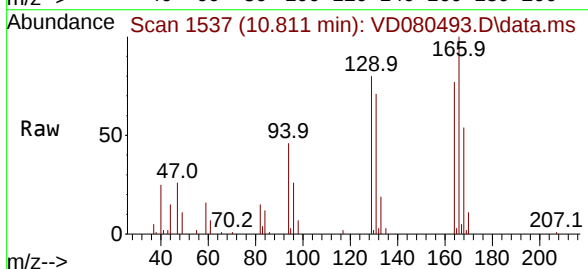
Manual Integrations
APPROVED

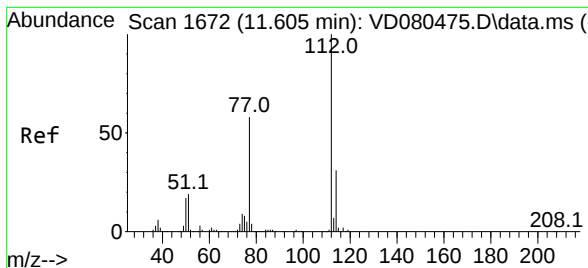
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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





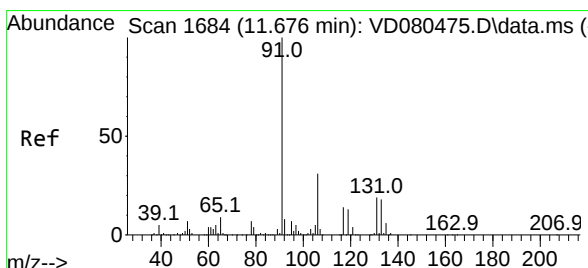
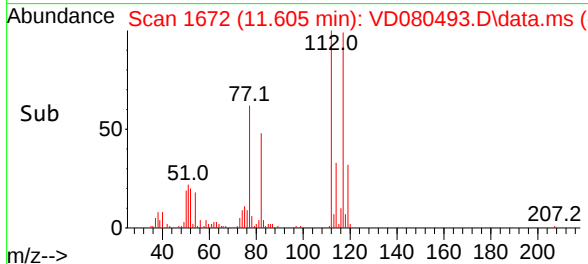
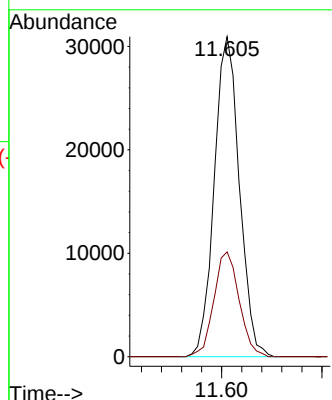
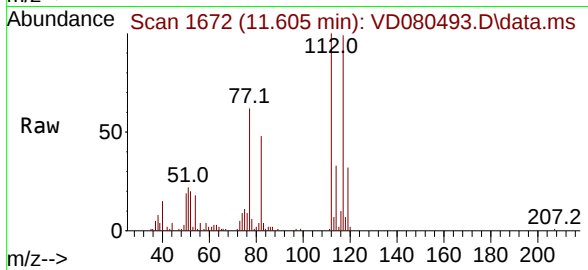
#65
Chlorobenzene
Concen: 4.121 ug/l
RT: 11.605 min Scan# 1672
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

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

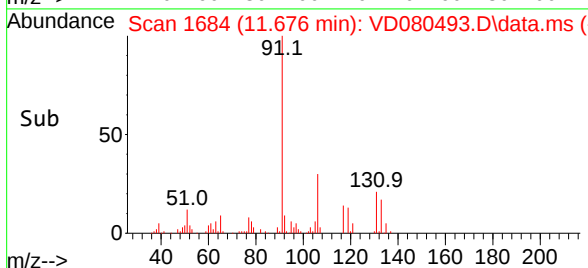
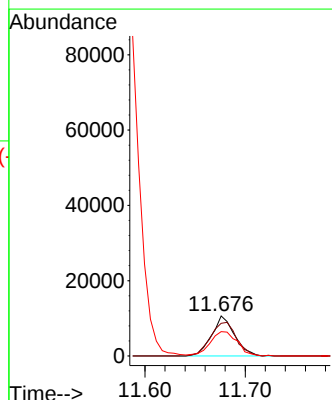
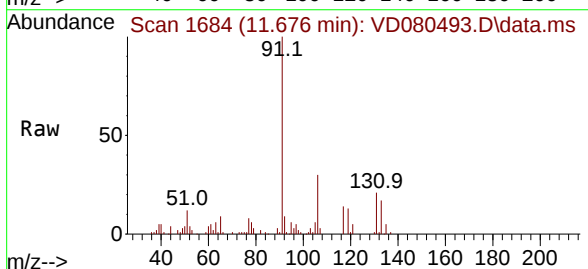
Manual Integrations
APPROVED

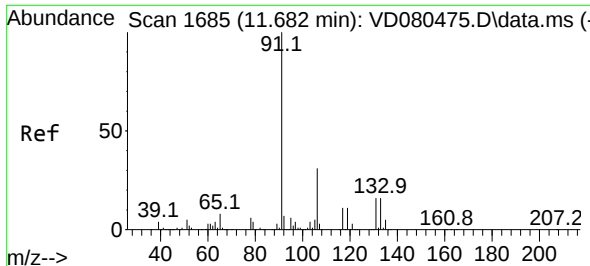
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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





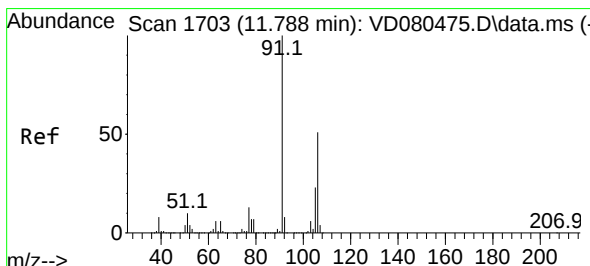
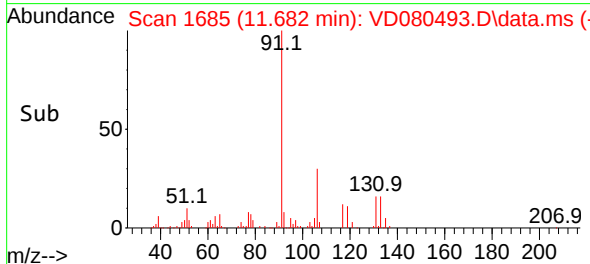
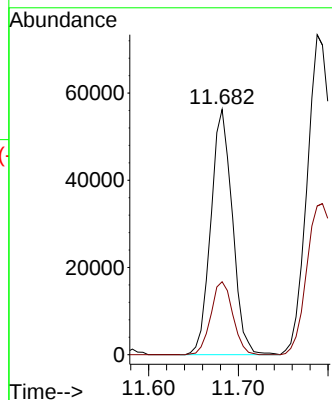
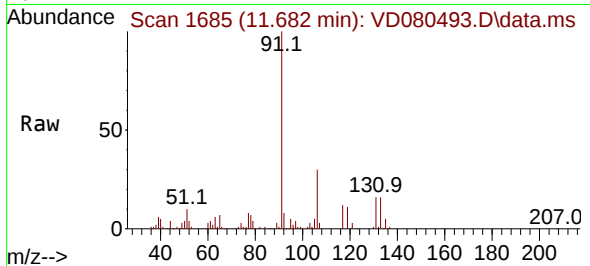
#67
Ethyl Benzene
Concen: 4.123 ug/l
RT: 11.682 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

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

Tgt Ion: 91 Resp: 9395
Ion Ratio Lower Upper
91 100
106 29.8 25.0 37.4

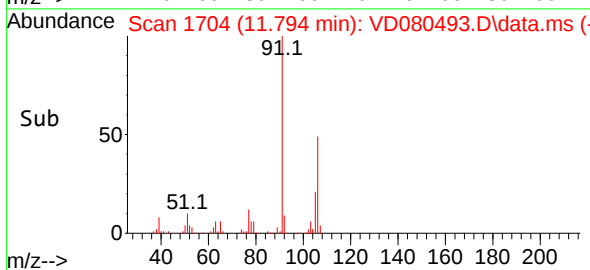
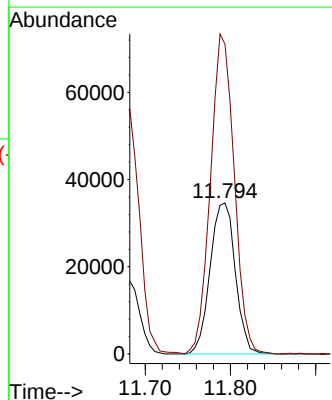
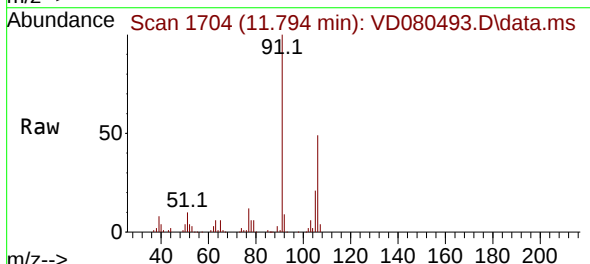
Manual Integrations
APPROVED

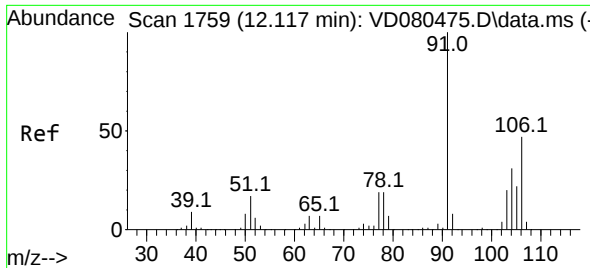
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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





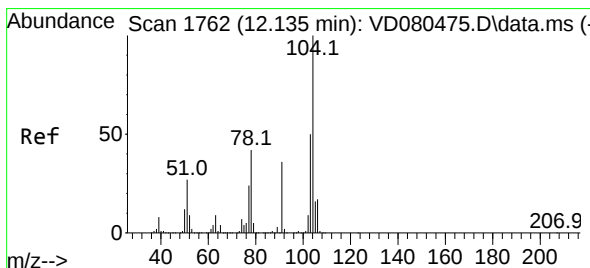
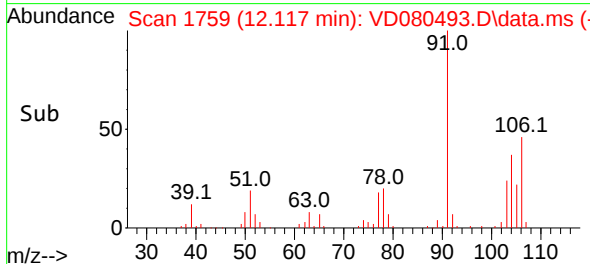
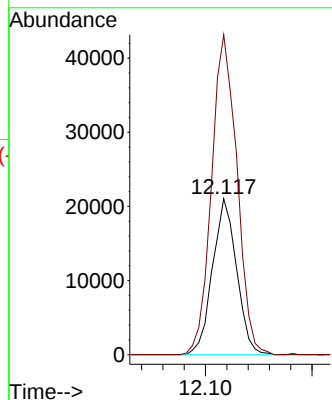
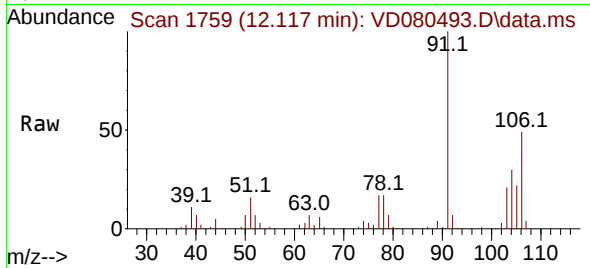
#69
o-Xylene
Concen: 3.942 ug/l
RT: 12.117 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

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

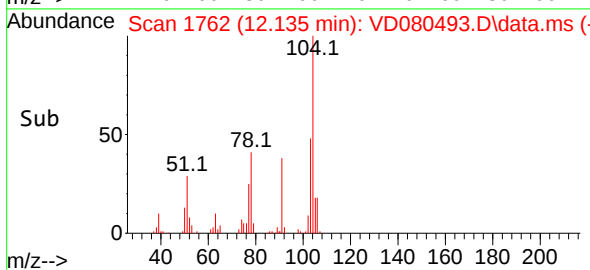
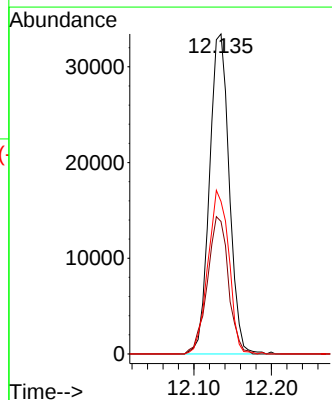
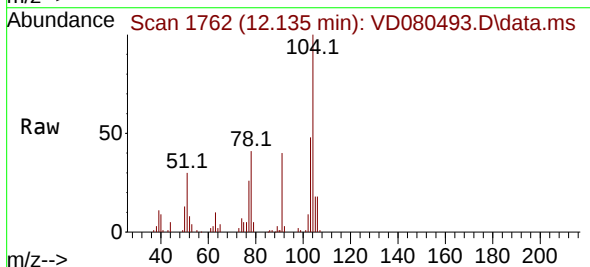
Manual Integrations
APPROVED

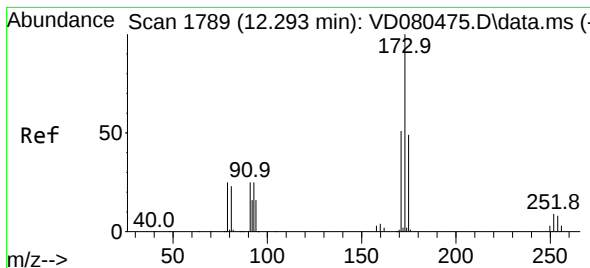
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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# 1789

Delta R.T. 0.000 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

Instrument :

MSVOA_D

ClientSampleId :

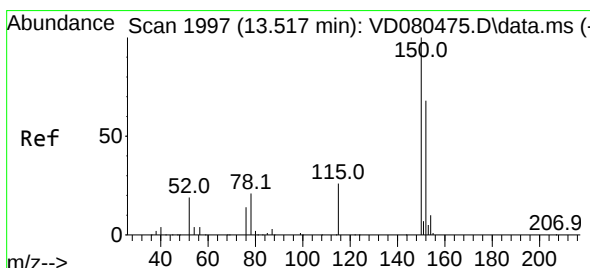
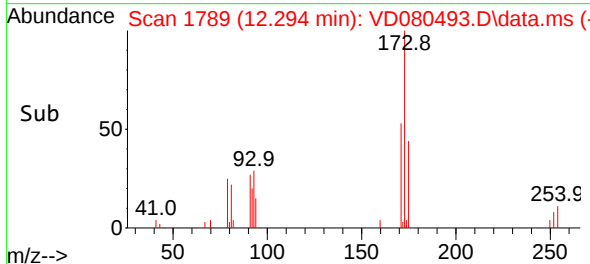
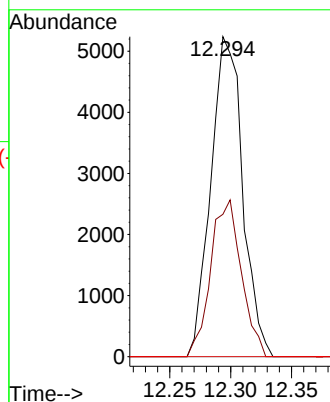
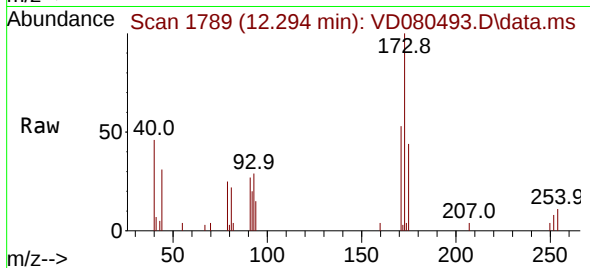
MDL-SOIL-03-QT2-2025

Tgt Ion:173	Resp:	951
Ion Ratio	Lower	Upper
173	100	
175	47.2	24.1 72.4
254	0.0	0.1 0.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

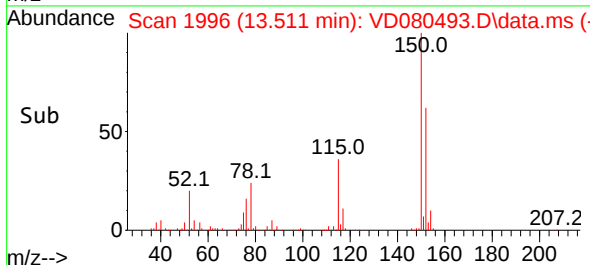
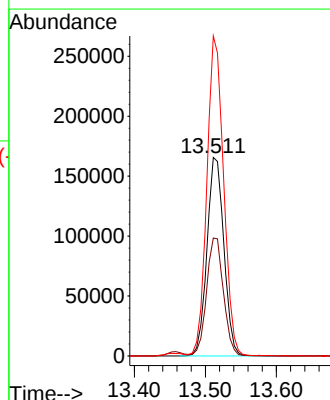
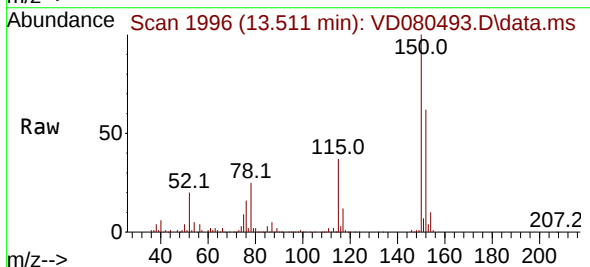
RT: 13.511 min Scan# 1996

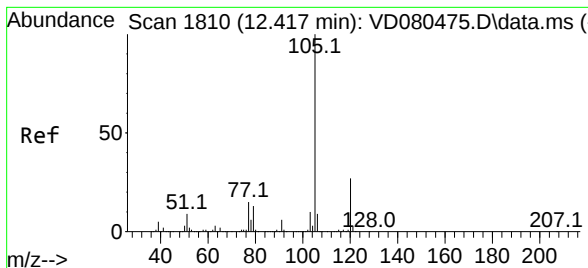
Delta R.T. -0.006 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

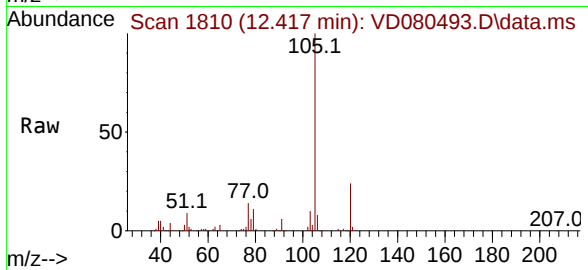
Tgt Ion:152	Resp:	274076
Ion Ratio	Lower	Upper
152	100	
115	59.4	30.2 90.6
150	158.6	0.0 350.2





#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

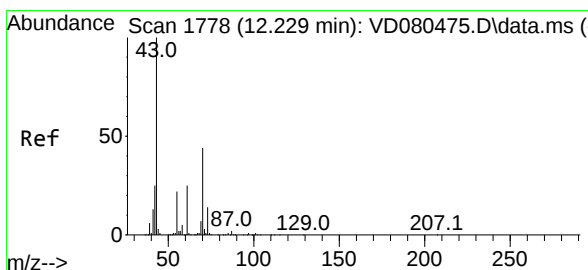
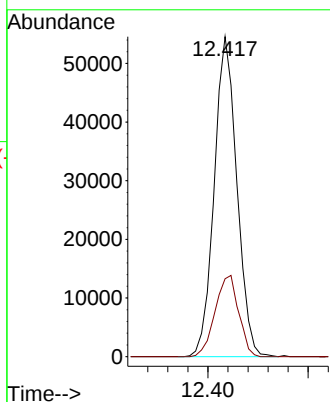
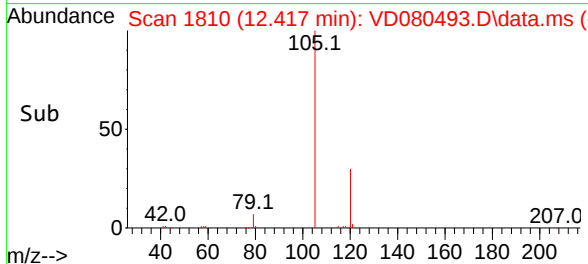
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2025



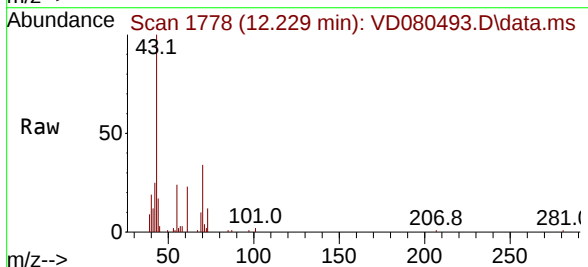
Tgt Ion:105 Resp: 85309
Ion Ratio Lower Upper
105 100
120 26.3 13.3 39.9

Manual Integrations
APPROVED

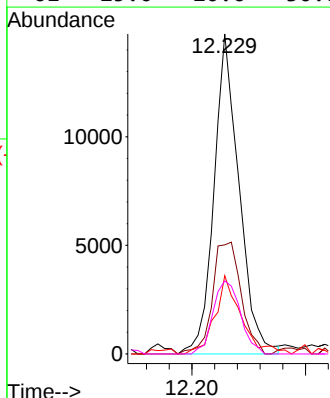
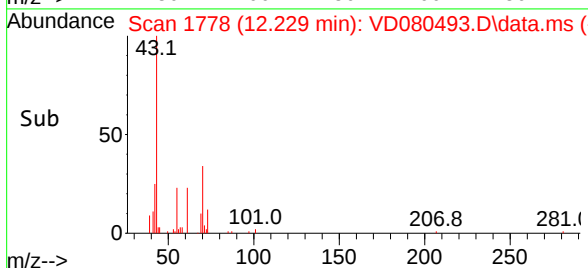
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025

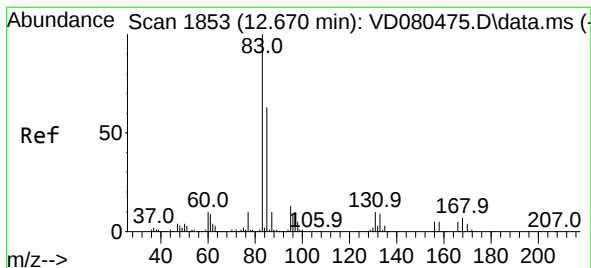


#74
N-ethyl acetate
Concen: 4.046 ug/l
RT: 12.229 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04



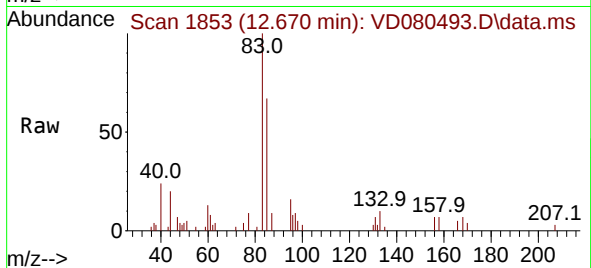
Tgt Ion: 43 Resp: 22572
Ion Ratio Lower Upper
43 100
70 40.0 35.4 53.2
55 25.5 18.8 28.2
61 25.0 20.6 30.8





#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

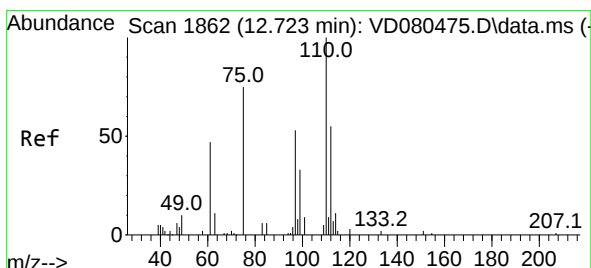
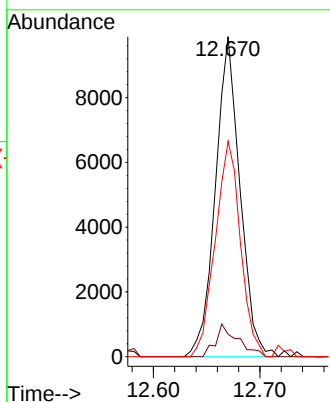
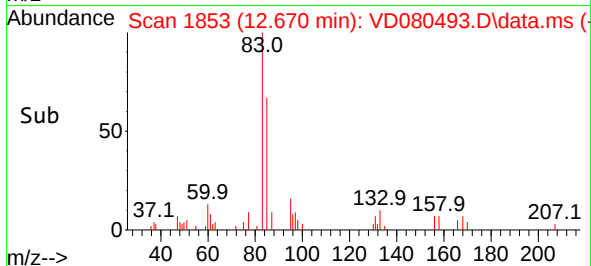
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2025



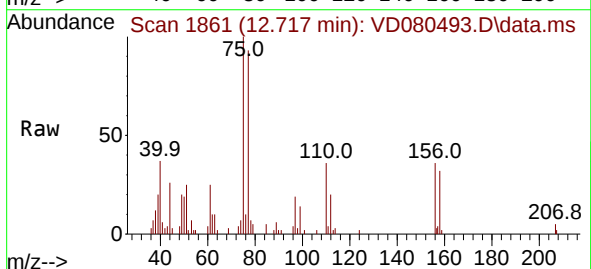
Tgt Ion: 83 Resp: 1583
Ion Ratio Lower Upper
83 100
131 9.2 4.8 14.3
85 68.8 32.3 96.8

Manual Integrations
APPROVED

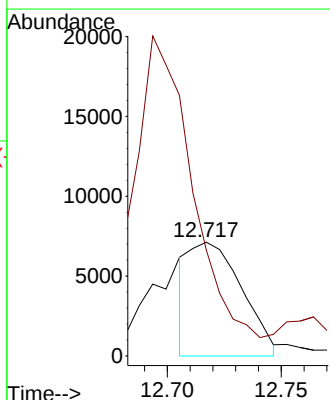
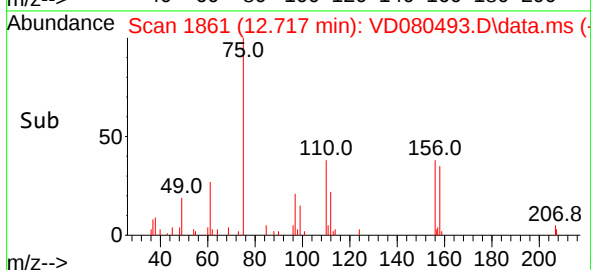
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025

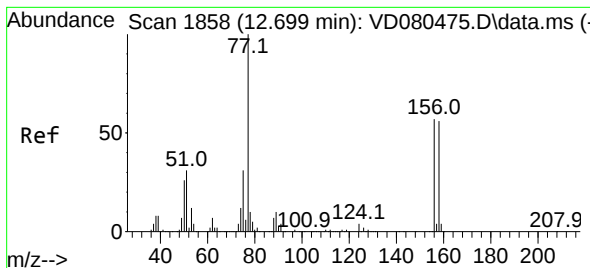


#76
1,2,3-Trichloropropane
Concen: 4.911 ug/l m
RT: 12.717 min Scan# 1861
Delta R.T. -0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04



Tgt Ion: 75 Resp: 11442
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 :

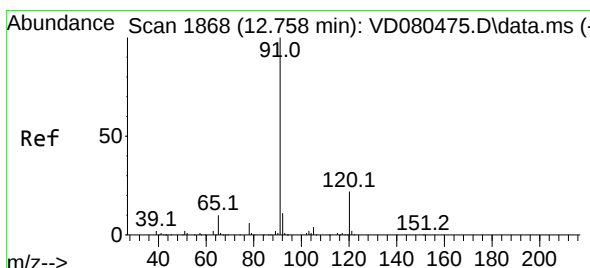
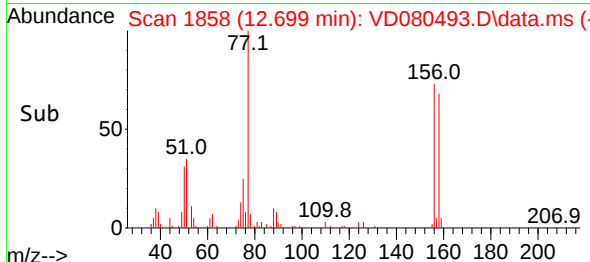
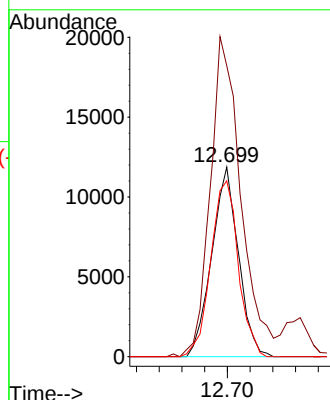
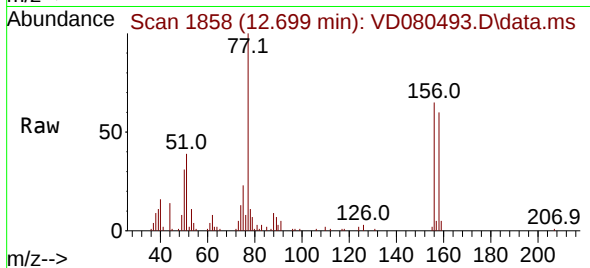
MDL-SOIL-03-QT2-2025

Tgt Ion:	156	Resp:	19340
Ion Ratio	Lower	Upper	
156	100		
77	193.4	97.3	291.8
158	95.9	48.5	145.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#78

n-propylbenzene

Concen: 4.019 ug/l

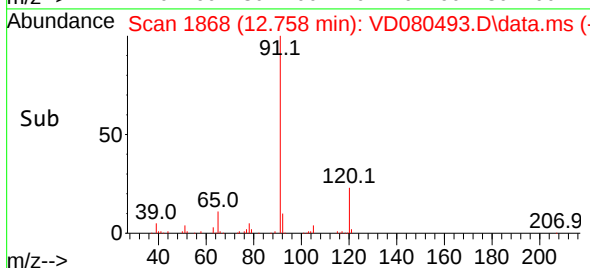
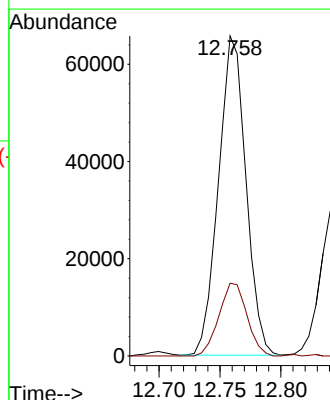
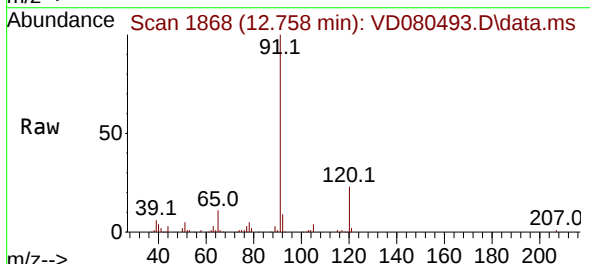
RT: 12.758 min Scan# 1868

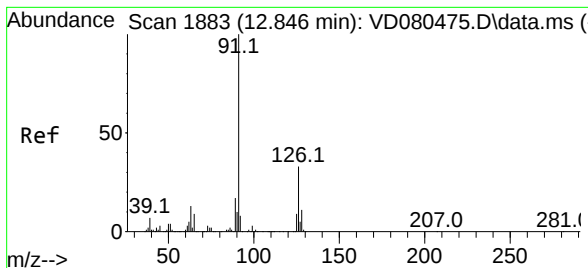
Delta R.T. 0.000 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

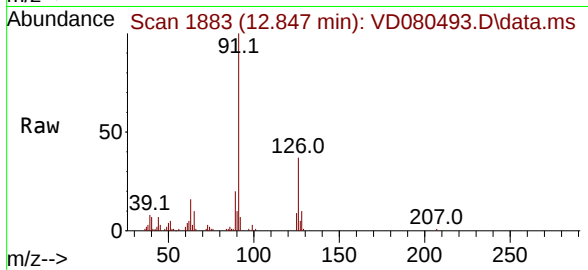
Tgt Ion:	91	Resp:	103076
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.3	33.9





#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

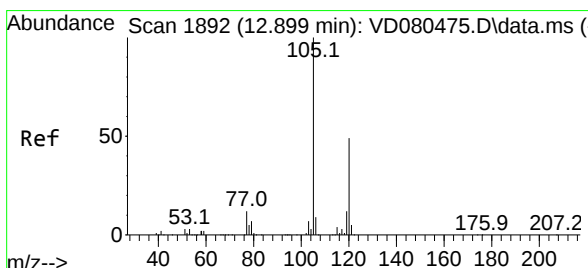
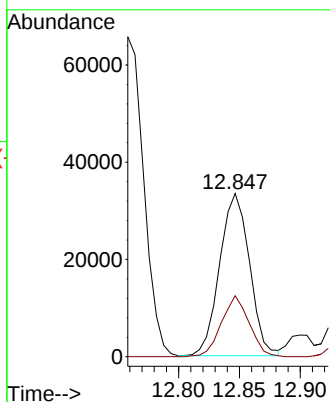
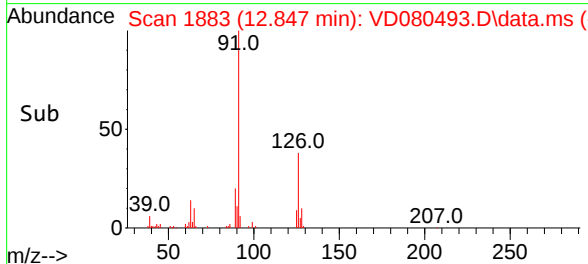
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2025



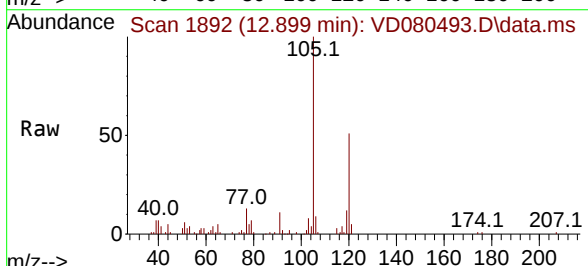
Tgt Ion: 91 Resp: 57102
Ion Ratio Lower Upper
91 100
126 34.9 16.6 49.8

Manual Integrations
APPROVED

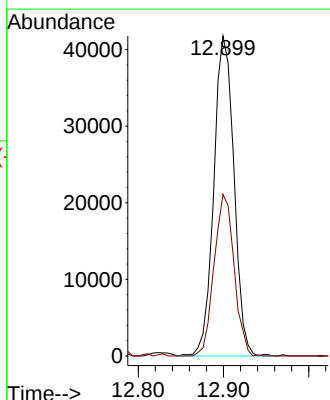
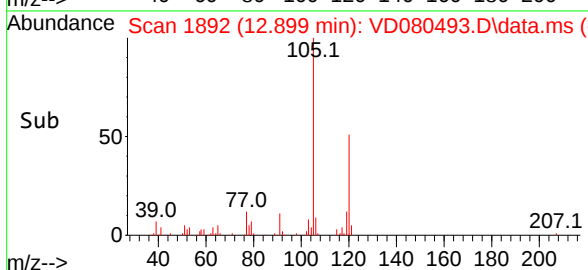
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025

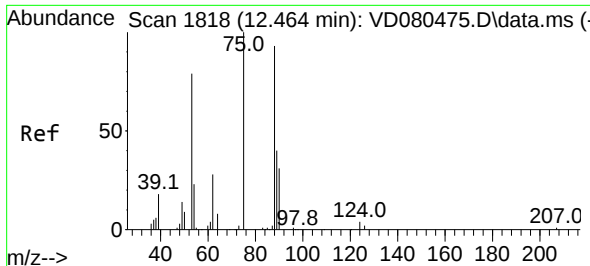


#80
1,3,5-Trimethylbenzene
Concen: 3.971 ug/l
RT: 12.899 min Scan# 1892
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04



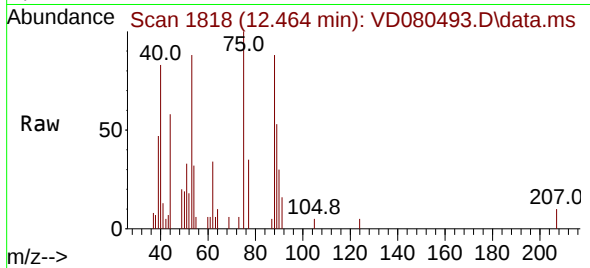
Tgt Ion:105 Resp: 68617
Ion Ratio Lower Upper
105 100
120 50.1 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 3.575 ug/l
RT: 12.464 min Scan# 1818
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

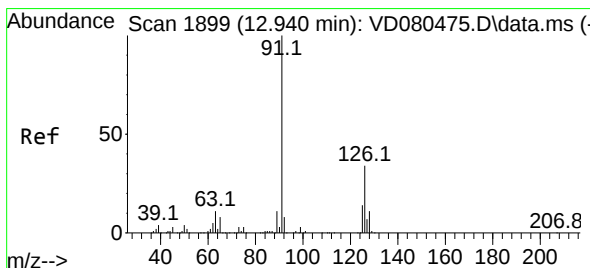
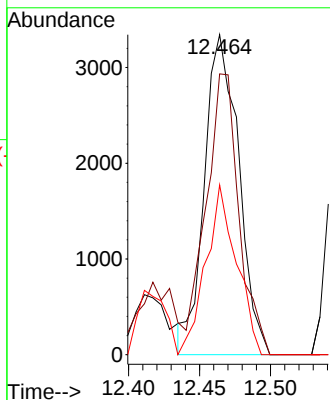
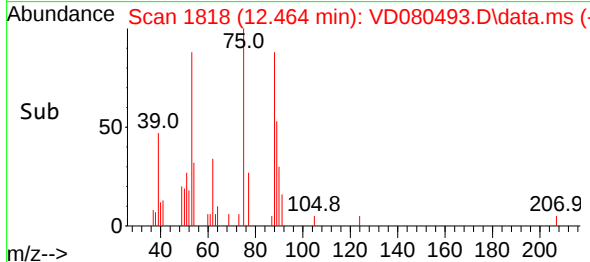
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2025



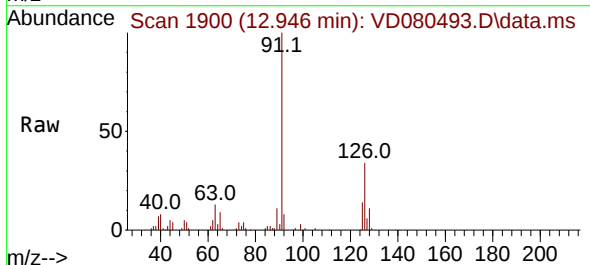
Tgt Ion: 75 Resp: 560
Ion Ratio Lower Upper
75 100
53 83.8 61.5 92.3
89 47.6 33.0 49.6

Manual Integrations
APPROVED

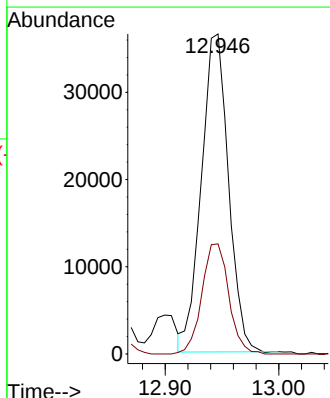
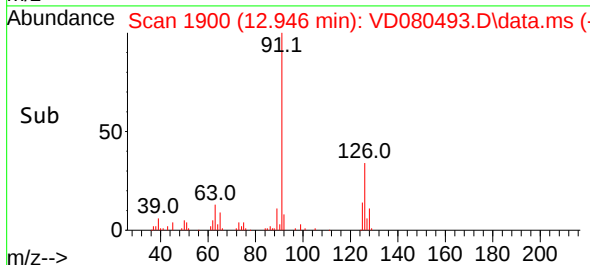
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025

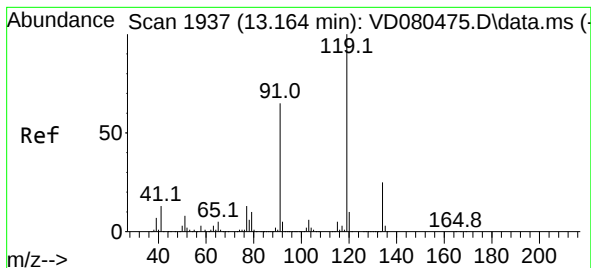


#82
4-Chlorotoluene
Concen: 3.990 ug/l
RT: 12.946 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04



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





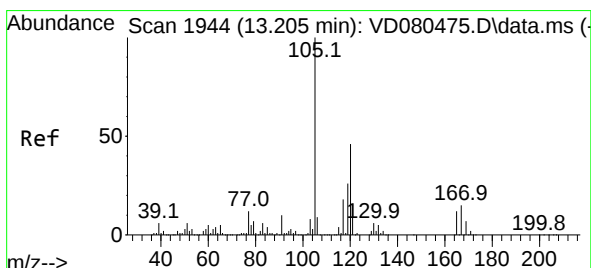
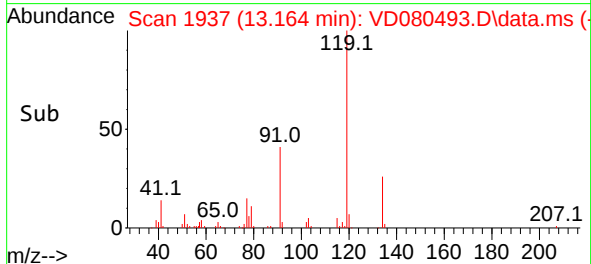
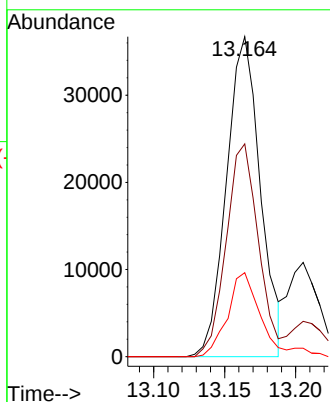
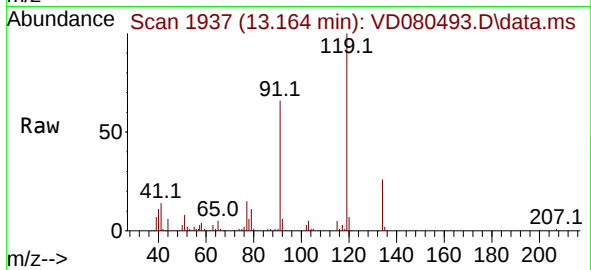
#83
tert-Butylbenzene
Concen: 4.037 ug/l
RT: 13.164 min Scan# 1937
Delta R.T. 0.000 min
Lab File: VD080493.D
Acq: 27 Jun 2025 14:04

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

Tgt Ion:119 Resp: 61000
Ion Ratio Lower Upper
119 100
91 64.4 32.4 97.2
134 26.3 13.1 39.3

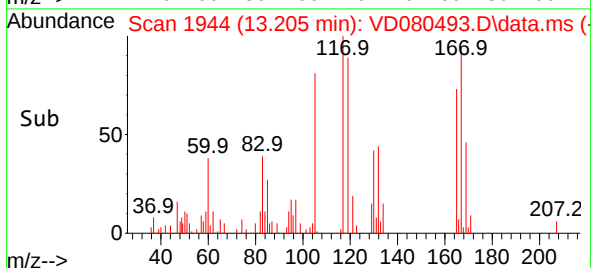
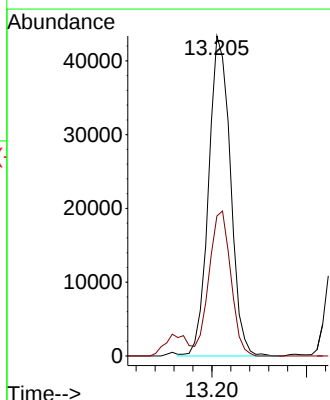
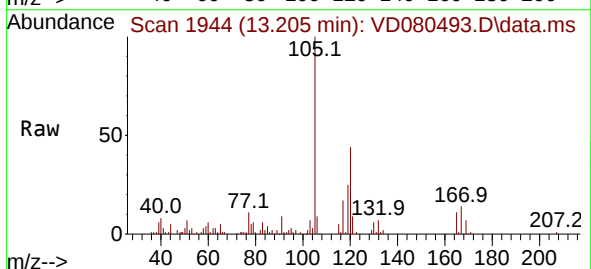
Manual Integrations
APPROVED

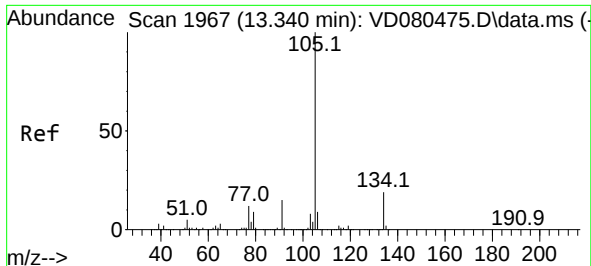
Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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

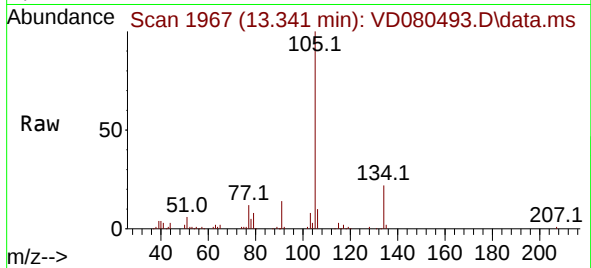
Tgt Ion:105 Resp: 69312
Ion Ratio Lower Upper
105 100
120 45.0 22.8 68.3





#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

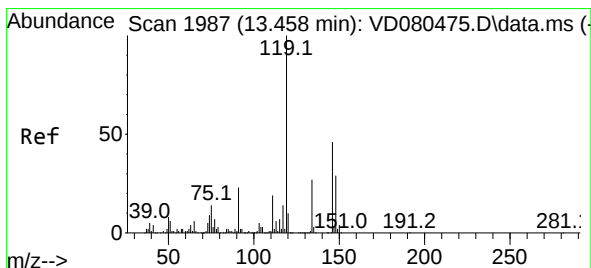
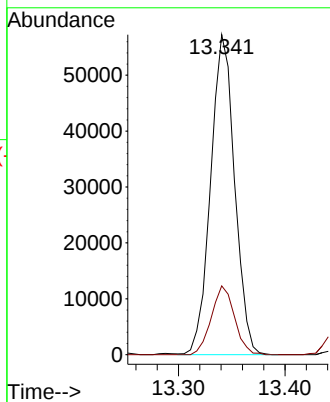
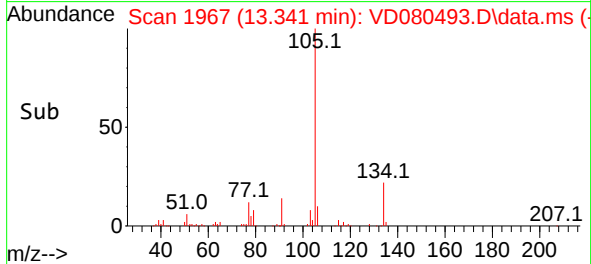
Instrument : MSVOA_D
 ClientSampleId : MDL-SOIL-03-QT2-2025



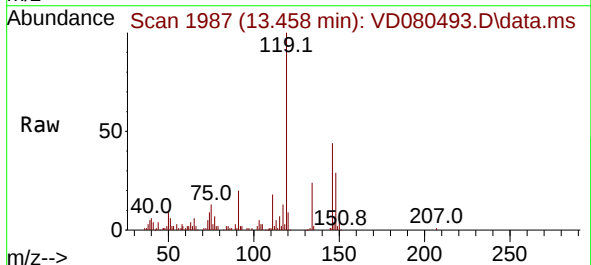
Tgt Ion:105 Resp: 89450
 Ion Ratio Lower Upper
 105 100
 134 20.7 9.8 29.4

Manual Integrations
 APPROVED

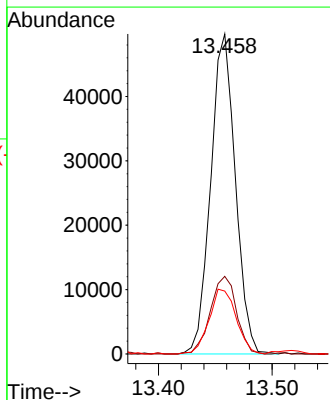
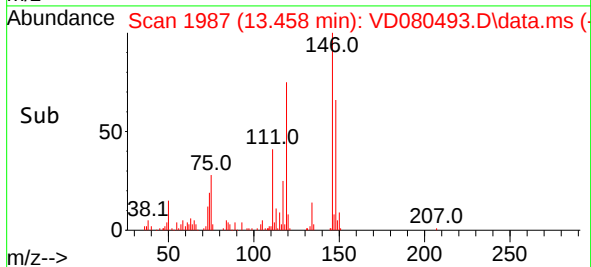
Reviewed By :Mahesh Dadoda 06/30/2025
 Supervised By :Semsettin Yesilyurt 06/30/2025

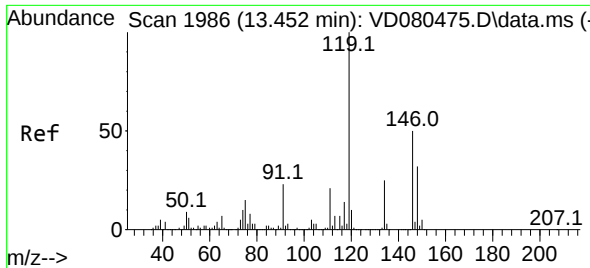


#86
 p-Isopropyltoluene
 Concen: 4.065 ug/l
 RT: 13.458 min Scan# 1987
 Delta R.T. 0.000 min
 Lab File: VD080493.D
 Acq: 27 Jun 2025 14:04



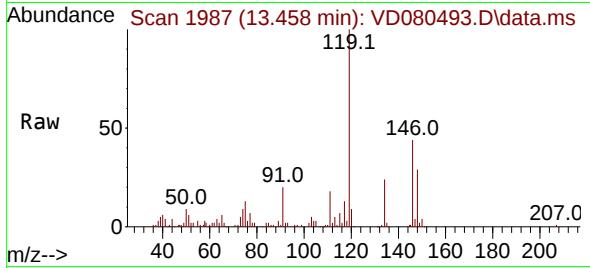
Tgt Ion:119 Resp: 75077
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.0 38.9
 91 22.2 11.5 34.5





#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

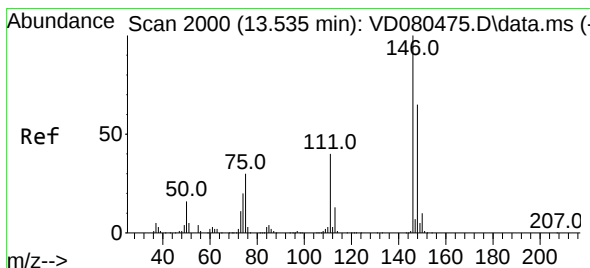
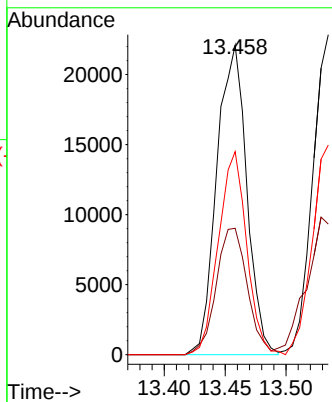
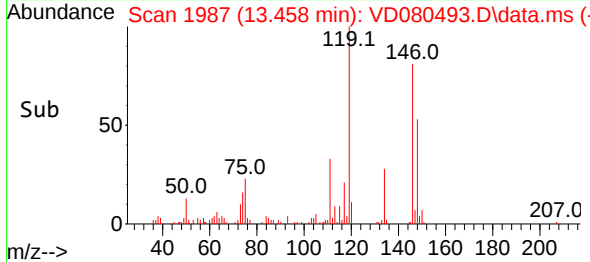
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2025



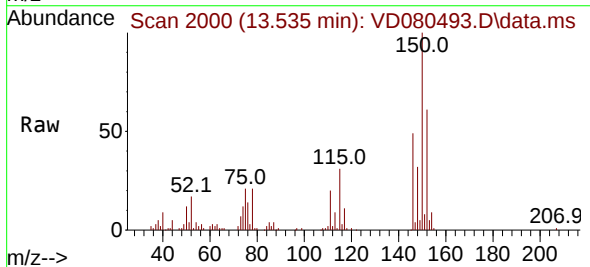
Tgt Ion:146 Resp: 37839
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.6 61.8
 148 62.0 31.5 94.5

Manual Integrations
 APPROVED

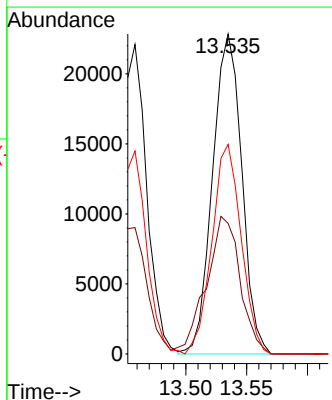
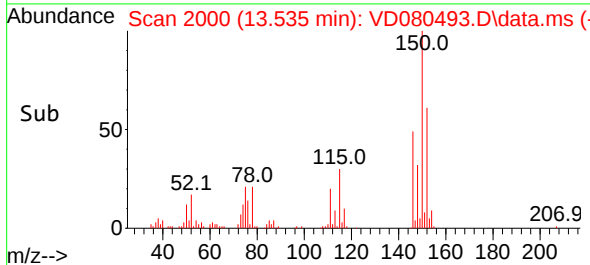
Reviewed By :Mahesh Dadoda 06/30/2025
 Supervised By :Semsettin Yesilyurt 06/30/2025

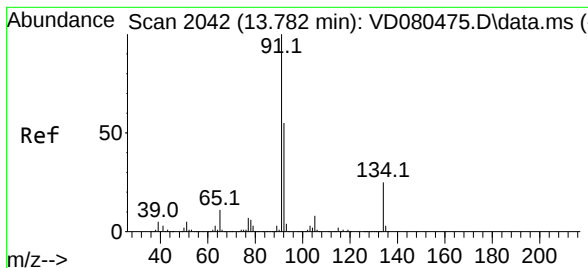


#88
 1,4-Dichlorobenzene
 Concen: 4.143 ug/l
 RT: 13.535 min Scan# 2000
 Delta R.T. 0.000 min
 Lab File: VD080493.D
 Acq: 27 Jun 2025 14:04



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 :

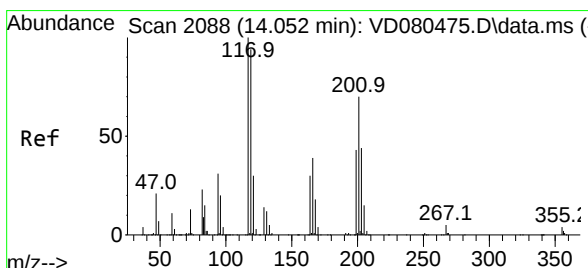
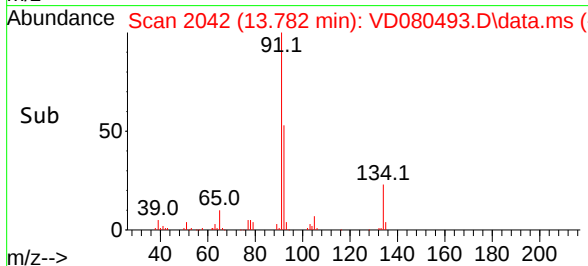
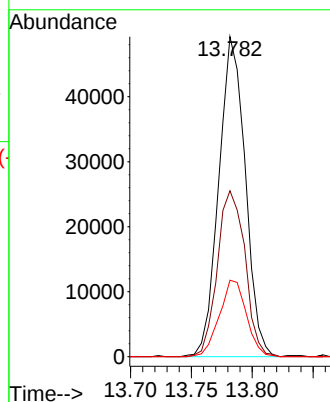
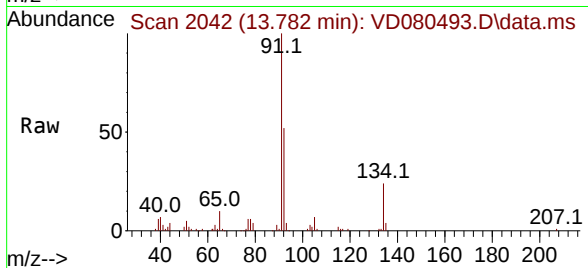
MDL-SOIL-03-QT2-2025

Tgt Ion:	91	Resp:	7450
Ion Ratio	Lower	Upper	
91	100		
92	54.1	27.4	82.0
134	24.5	12.6	37.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#90

Hexachloroethane

Concen: 3.994 ug/l

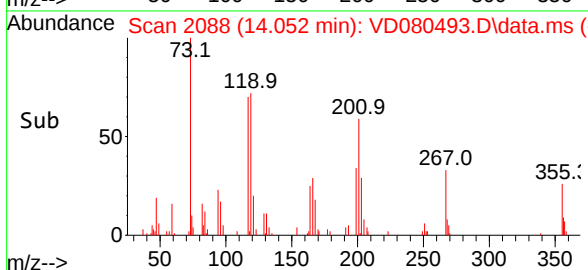
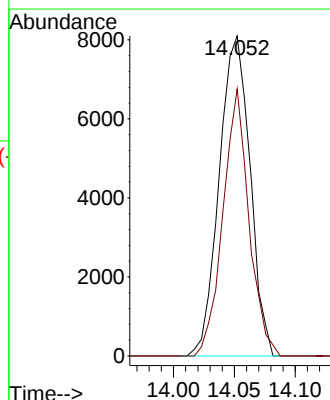
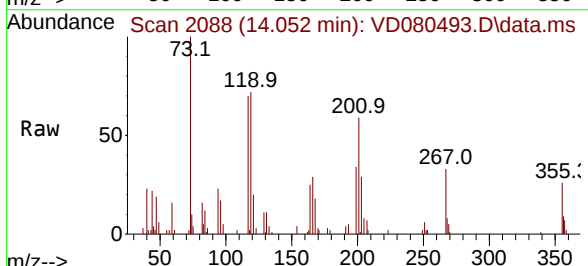
RT: 14.052 min Scan# 2088

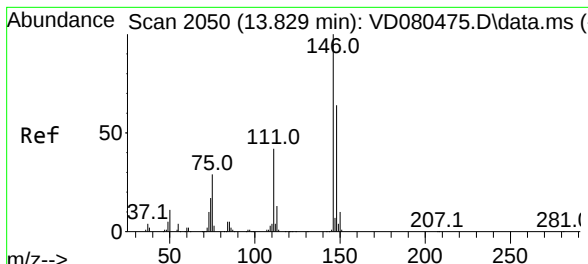
Delta R.T. 0.000 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

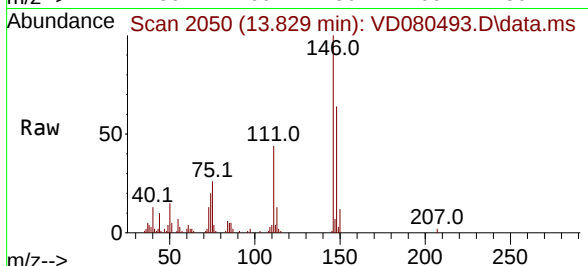
Tgt Ion:	117	Resp:	14252
Ion Ratio	Lower	Upper	
117	100		
201	70.5	34.2	102.5





#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

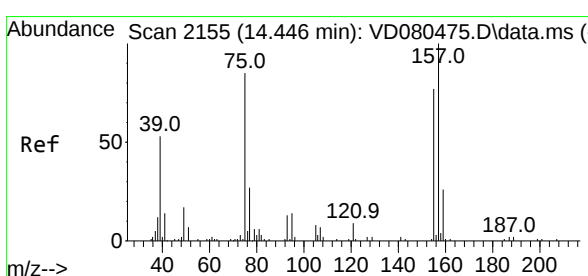
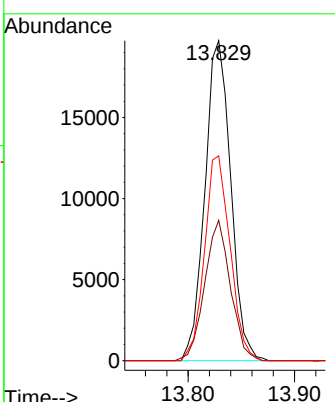
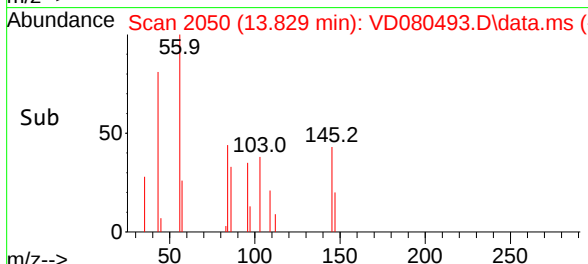
Instrument : MSVOA_D
 ClientSampleId : MDL-SOIL-03-QT2-2025



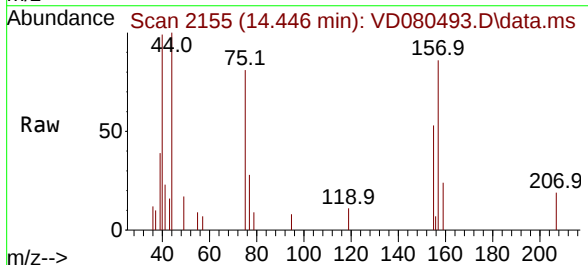
Tgt Ion:	146	Resp:	3327
Ion Ratio	Lower	Upper	
146	100		
111	43.7	21.3	63.7
148	63.4	31.9	95.7

Manual Integrations
 APPROVED

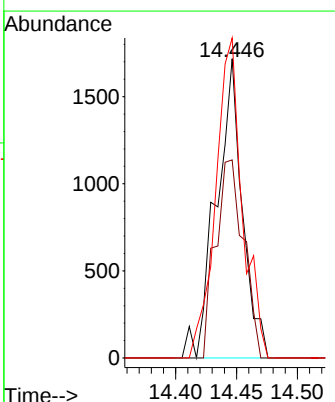
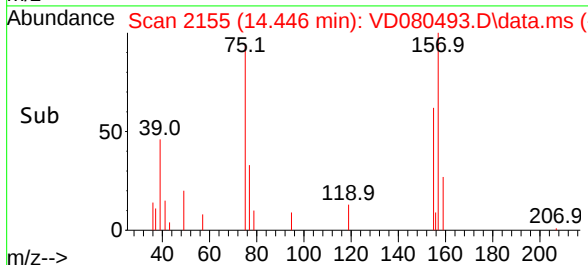
Reviewed By :Mahesh Dadoda 06/30/2025
 Supervised By :Semsettin Yesilyurt 06/30/2025

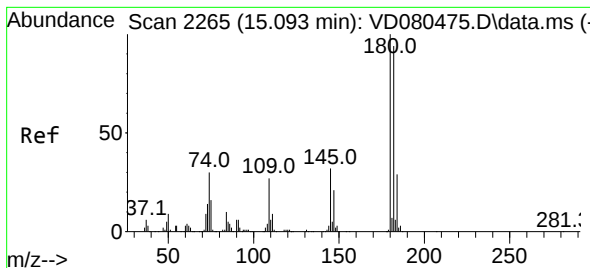


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.277 ug/l
 RT: 14.446 min Scan# 2155
 Delta R.T. 0.000 min
 Lab File: VD080493.D
 Acq: 27 Jun 2025 14:04



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# 2265

Delta R.T. 0.006 min

Lab File: VD080493.D

Acq: 27 Jun 2025 14:04

Instrument :

MSVOA_D

ClientSampleId :

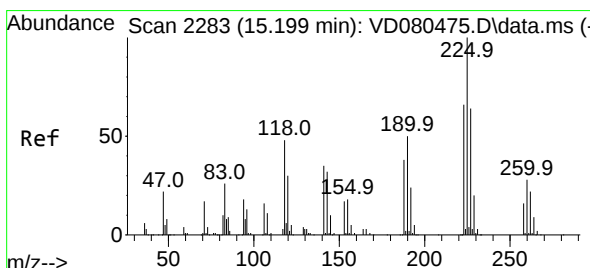
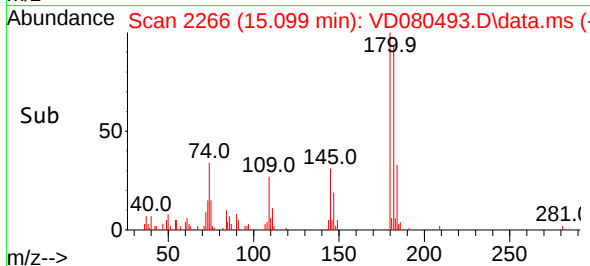
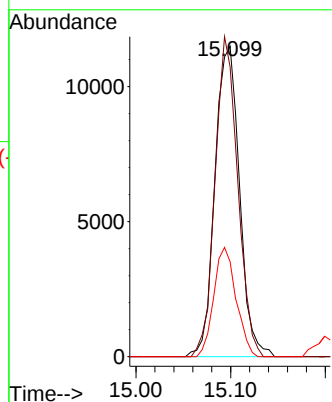
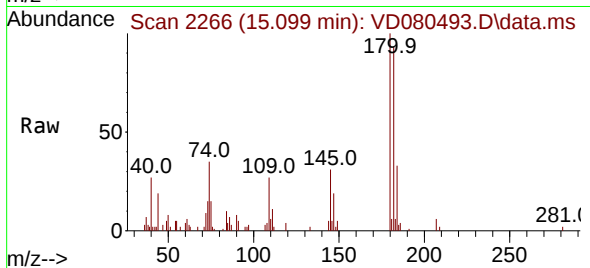
MDL-SOIL-03-QT2-2025

Tgt Ion:180	Resp:	2073
Ion Ratio	Lower	Upper
180	100	
182	94.8	46.8 140.4
145	31.9	16.0 47.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#94

Hexachlorobutadiene

Concen: 4.127 ug/l

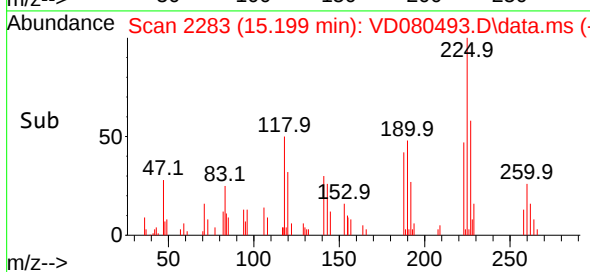
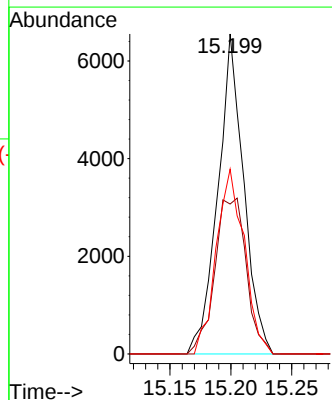
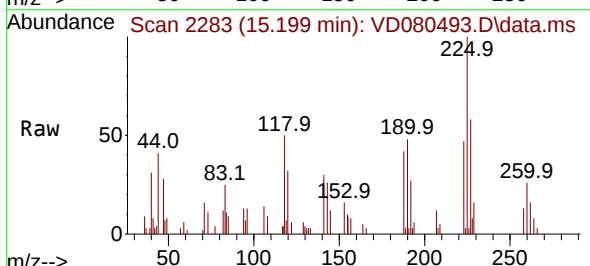
RT: 15.199 min Scan# 2283

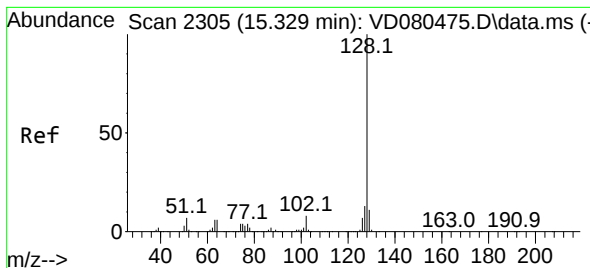
Delta R.T. 0.000 min

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 :

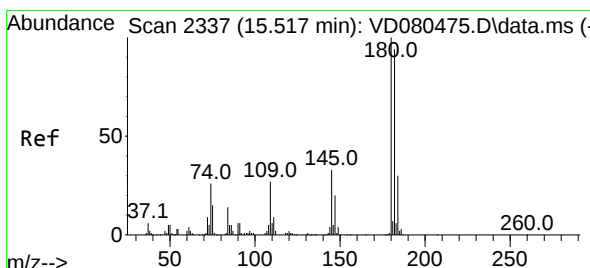
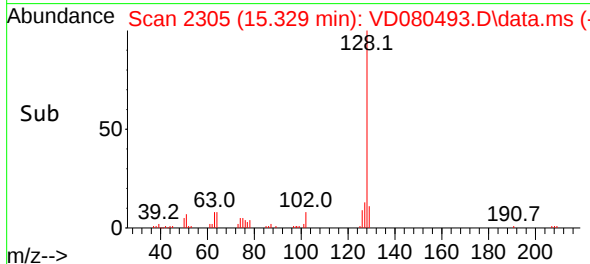
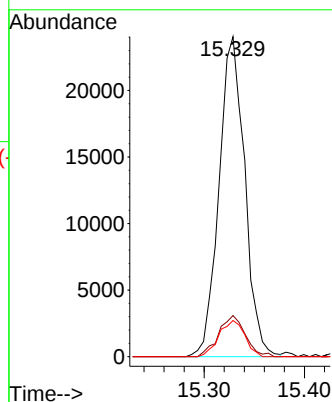
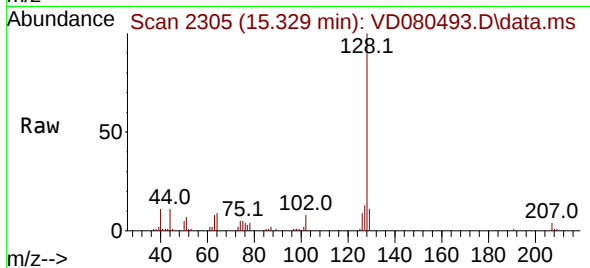
MDL-SOIL-03-QT2-2025

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

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/30/2025
Supervised By :Semsettin Yesilyurt 06/30/2025



#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

