

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

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

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

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

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	268381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	450410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	380539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	170133	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	113434	50.338	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.680%			
35) Dibromofluoromethane	7.805	113	132862	50.105	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.220%			
50) Toluene-d8	10.270	98	528315	49.251	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.500%			
62) 4-Bromofluorobenzene	12.570	95	150689	48.863	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.935	85	10235	5.117	ug/l	94
3) Chloromethane	2.147	50	18369	5.688	ug/l	95
4) Vinyl Chloride	2.288	62	20051	5.241	ug/l	92
5) Bromomethane	2.700	94	17379	6.126	ug/l	93
6) Chloroethane	2.841	64	13872	5.282	ug/l	96
7) Trichlorofluoromethane	3.182	101	22643	5.201	ug/l	95
8) Diethyl Ether	3.606	74	5584	4.654	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.976	101	14528	5.280	ug/l	94
10) Methyl Iodide	4.170	142	15448	4.366	ug/l	99
11) Tert butyl alcohol	5.029	59	4150m	39.543	ug/l	
12) 1,1-Dichloroethene	3.941	96	14919	5.152	ug/l	88
13) Acrolein	3.806	56	4768	26.116	ug/l	95
14) Allyl chloride	4.570	41	21014	4.647	ug/l	88
15) Acrylonitrile	5.270	53	12782	26.391	ug/l #	83
16) Acetone	4.017	43	8379	25.434	ug/l	100
17) Carbon Disulfide	4.276	76	45463	4.879	ug/l	97
18) Methyl Acetate	4.564	43	4683	4.622	ug/l	99
19) Methyl tert-butyl Ether	5.329	73	26090	5.082	ug/l	98
20) Methylene Chloride	4.811	84	25719	7.733	ug/l	91
21) trans-1,2-Dichloroethene	5.317	96	16698	5.171	ug/l	94
22) Diisopropyl ether	6.211	45	40002	4.895	ug/l #	91
23) Vinyl Acetate	6.158	43	101093	23.755	ug/l	95
24) 1,1-Dichloroethane	6.117	63	27338	4.893	ug/l #	95
25) 2-Butanone	7.082	43	13876	26.862	ug/l #	88
26) 2,2-Dichloropropane	7.076	77	25232	5.251	ug/l	96
27) cis-1,2-Dichloroethene	7.088	96	18918	5.028	ug/l	98
28) Bromochloromethane	7.429	49	10781	5.272	ug/l #	98
29) Tetrahydrofuran	7.452	42	8073	23.458	ug/l #	66
30) Chloroform	7.600	83	28816	5.259	ug/l	97
31) Cyclohexane	7.876	56	30253	5.652	ug/l #	88
32) 1,1,1-Trichloroethane	7.794	97	24951	5.184	ug/l	98
36) 1,1-Dichloropropene	8.011	75	21404	5.222	ug/l	99
37) Ethyl Acetate	7.170	43	5705	4.601	ug/l #	92
38) Carbon Tetrachloride	8.000	117	20673	5.019	ug/l	91
39) Methylcyclohexane	9.276	83	27627	5.108	ug/l	95
40) Benzene	8.252	78	63666	5.016	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	4171m	5.150	ug/l	
42) 1,2-Dichloroethane	8.329	62	14759	5.572	ug/l	96
43) Isopropyl Acetate	8.364	43	11974	4.923	ug/l	96
44) Trichloroethene	9.029	130	17093	5.327	ug/l	99
45) 1,2-Dichloropropane	9.305	63	14271	4.911	ug/l	94
46) Dibromomethane	9.394	93	7166	4.999	ug/l	96
47) Bromodichloromethane	9.588	83	19574	5.056	ug/l #	95
48) Methyl methacrylate	9.382	41	6147	5.092	ug/l	89
49) 1,4-Dioxane	9.394	88	1642	122.887	ug/l #	78
51) 4-Methyl-2-Pentanone	10.158	43	27378	24.261	ug/l	98
52) Toluene	10.335	92	39901	4.971	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	17207	5.016	ug/l	92
54) cis-1,3-Dichloropropene	10.017	75	20967	4.739	ug/l #	88
55) 1,1,2-Trichloroethane	10.735	97	9603	5.237	ug/l	91
56) Ethyl methacrylate	10.594	69	10099	4.773	ug/l	99
57) 1,3-Dichloropropane	10.876	76	16790	5.251	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	32056	27.002	ug/l	97
59) 2-Hexanone	10.917	43	19025	24.117	ug/l	99
60) Dibromochloromethane	11.070	129	12524	5.140	ug/l	96
61) 1,2-Dibromoethane	11.182	107	9091	5.154	ug/l	94
64) Tetrachloroethene	10.811	164	12937	4.726	ug/l	96
65) Chlorobenzene	11.605	112	43834	5.173	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.676	131	13694	5.167	ug/l	95
67) Ethyl Benzene	11.682	91	75563	4.920	ug/l	97
68) m/p-Xylenes	11.793	106	57573	9.801	ug/l	100
69) o-Xylene	12.117	106	26484	4.877	ug/l	99
70) Styrene	12.135	104	43896	4.897	ug/l	99
71) Bromoform	12.293	173	6456	5.215	ug/l #	97
73) Isopropylbenzene	12.417	105	70766	4.900	ug/l	98
74) N-amyl acetate	12.229	43	10891	4.865	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.676	83	9485	5.237	ug/l	98
76) 1,2,3-Trichloropropane	12.723	75	8544m	6.448	ug/l	
77) Bromobenzene	12.693	156	14866	4.850	ug/l	93
78) n-propylbenzene	12.758	91	84241	4.862	ug/l	98
79) 2-Chlorotoluene	12.846	91	46632	4.893	ug/l	96
80) 1,3,5-Trimethylbenzene	12.899	105	56332	4.934	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.458	75	3050	4.395	ug/l	89
82) 4-Chlorotoluene	12.946	91	47688	4.921	ug/l	99
83) tert-Butylbenzene	13.164	119	50004	4.871	ug/l	98
84) 1,2,4-Trimethylbenzene	13.211	105	53517	4.764	ug/l	99
85) sec-Butylbenzene	13.340	105	76502	5.034	ug/l	100
86) p-Isopropyltoluene	13.458	119	60984	4.839	ug/l	97
87) 1,3-Dichlorobenzene	13.452	146	30939	5.080	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	30376	5.100	ug/l	92
89) n-Butylbenzene	13.787	91	57996	4.826	ug/l	98
90) Hexachloroethane	14.052	117	11915	4.846	ug/l	95
91) 1,2-Dichlorobenzene	13.829	146	25386	5.043	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.446	75	1065	4.271	ug/l	67
93) 1,2,4-Trichlorobenzene	15.093	180	16140	5.192	ug/l	98
94) Hexachlorobutadiene	15.199	225	9292	5.369	ug/l	92
95) Naphthalene	15.329	128	25337	5.009	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.511	180	13224	5.251	ug/l	98

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ClientSampleId :
LOQ-SOIL-02-QT4-2025

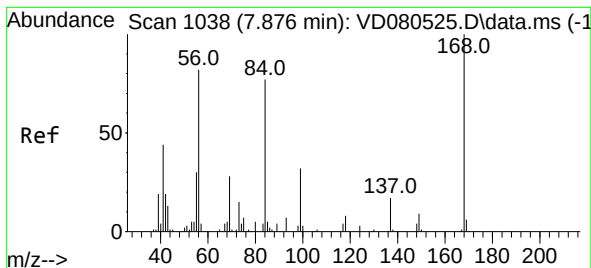
Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 11/19/2025

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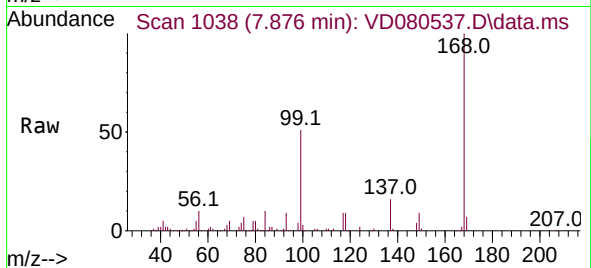
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VD080537.D
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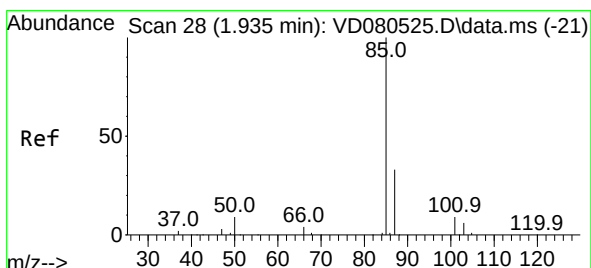
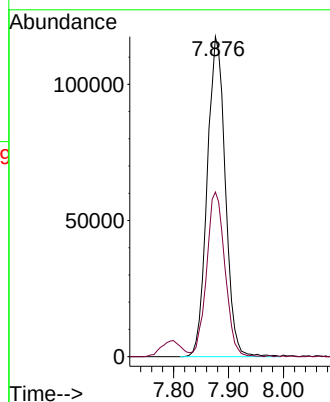
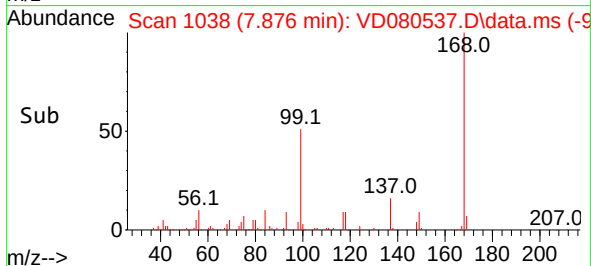
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025



Tgt Ion:168 Resp: 26838
Ion Ratio Lower Upper
168 100
99 51.3 42.5 63.7

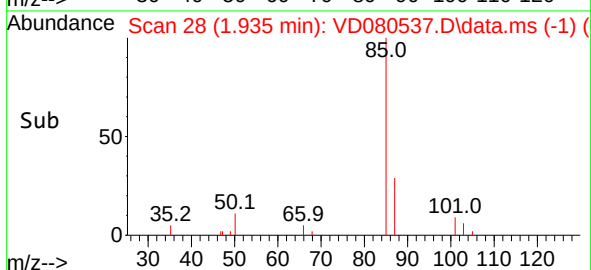
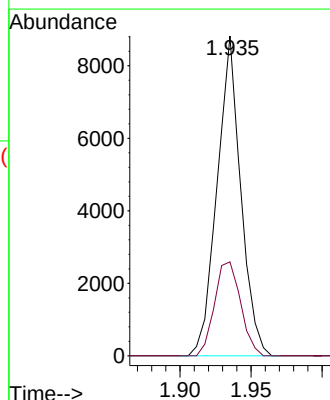
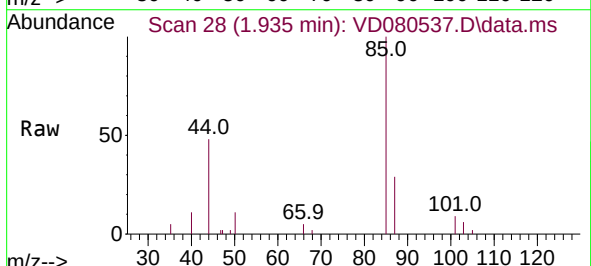
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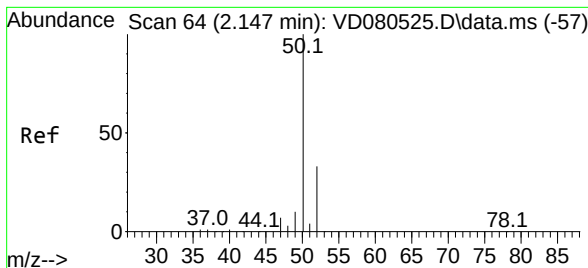
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



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

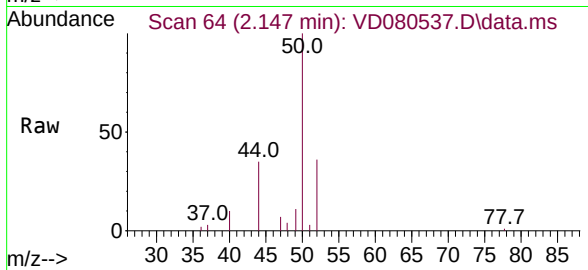
Tgt Ion: 85 Resp: 10235
Ion Ratio Lower Upper
85 100
87 29.4 16.5 49.5





#3
Chloromethane
Concen: 5.688 ug/l
RT: 2.147 min Scan# 64
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

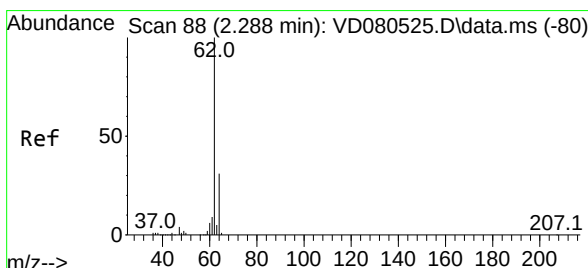
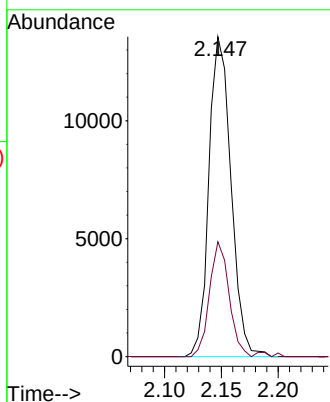
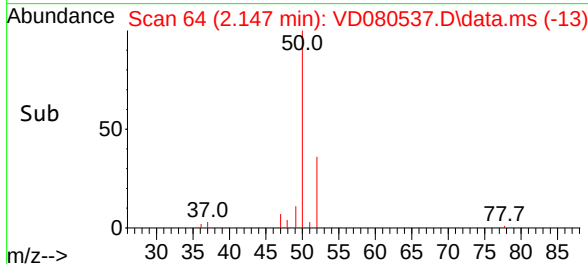
Instrument : MSVOA_D
ClientSampleId :
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Tgt Ion: 50 Resp: 18369
Ion Ratio Lower Upper
50 100
52 35.9 26.5 39.7

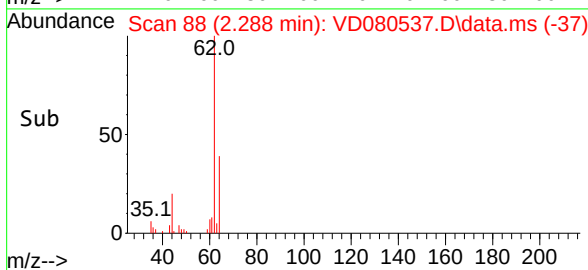
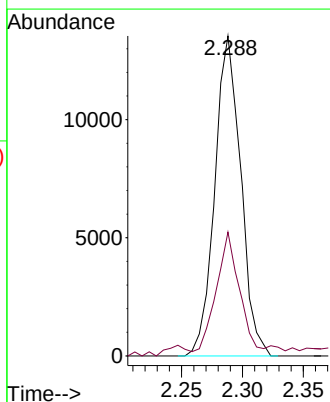
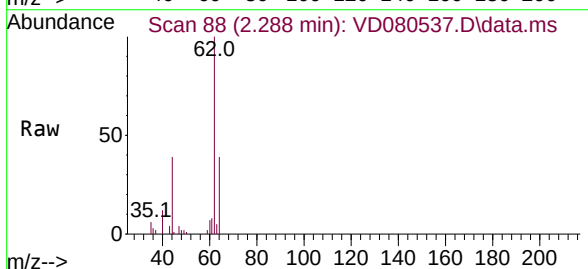
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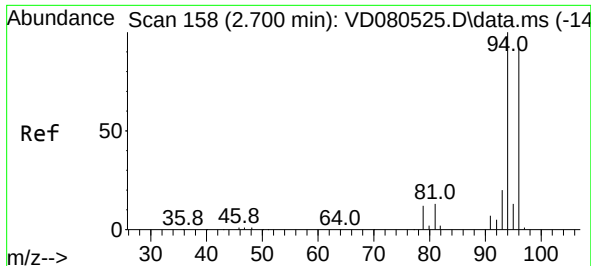
Reviewed By :Amit Patel 11/19/2025
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#4
Vinyl Chloride
Concen: 5.241 ug/l
RT: 2.288 min Scan# 88
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

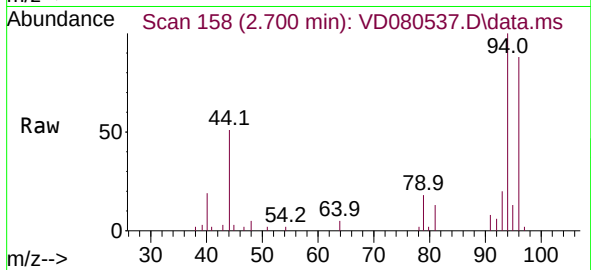
Tgt Ion: 62 Resp: 20051
Ion Ratio Lower Upper
62 100
64 35.9 25.0 37.6





#5
Bromomethane
Concen: 6.126 ug/l
RT: 2.700 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080537.D
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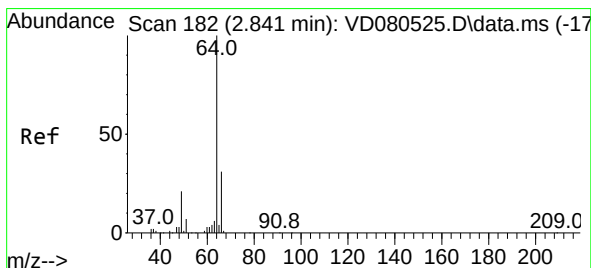
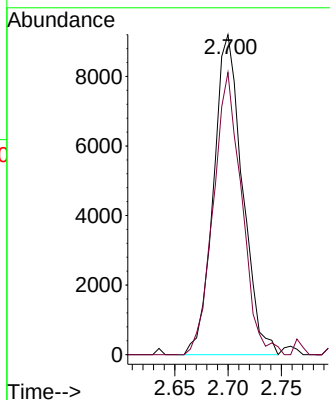
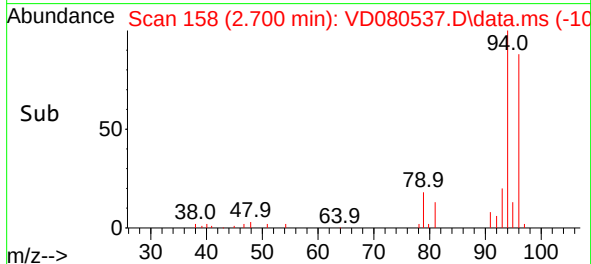
Instrument :
MSVOA_D
ClientSampleId :
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Tgt Ion: 94 Resp: 17379
Ion Ratio Lower Upper
94 100
96 86.4 74.6 112.0

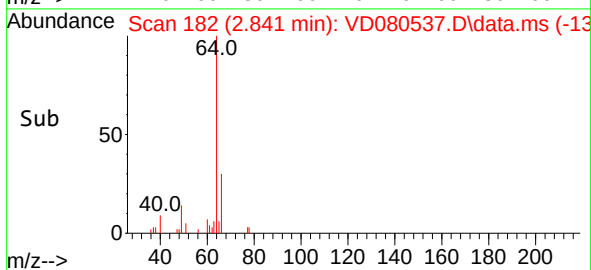
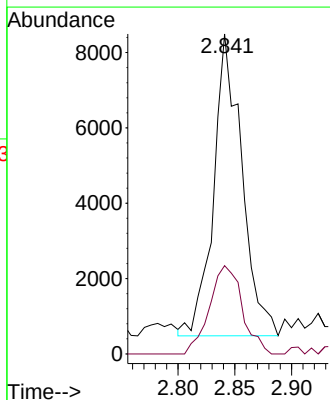
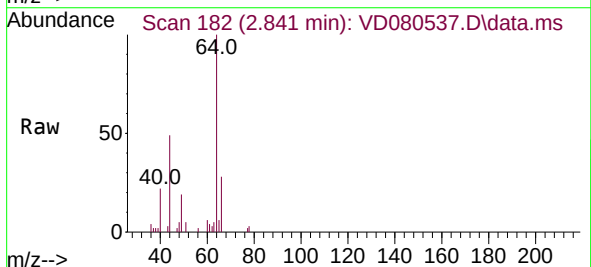
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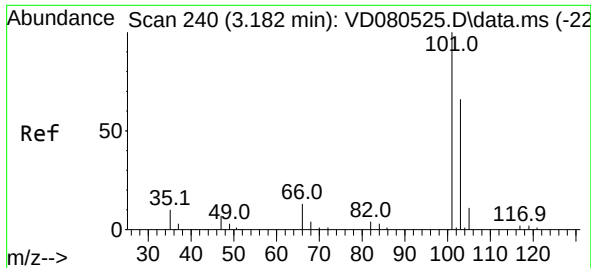
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



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

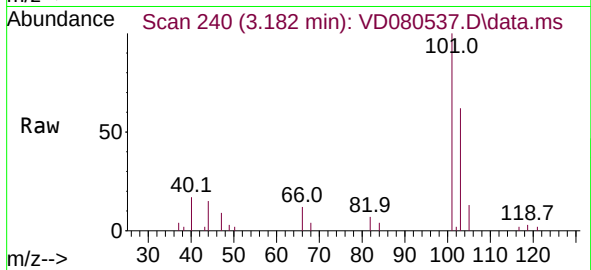
Tgt Ion: 64 Resp: 13872
Ion Ratio Lower Upper
64 100
66 29.2 25.0 37.6





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

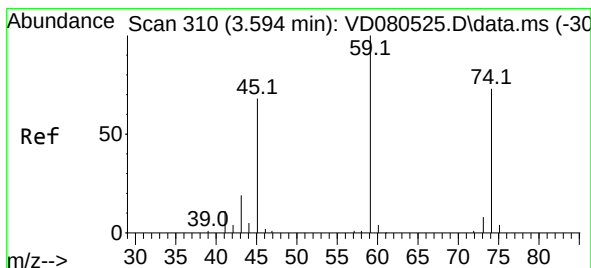
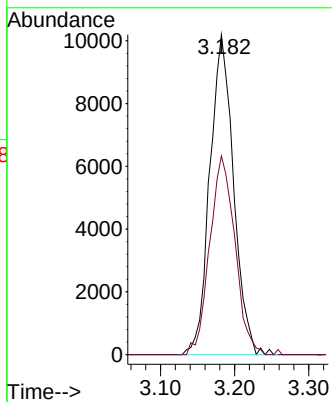
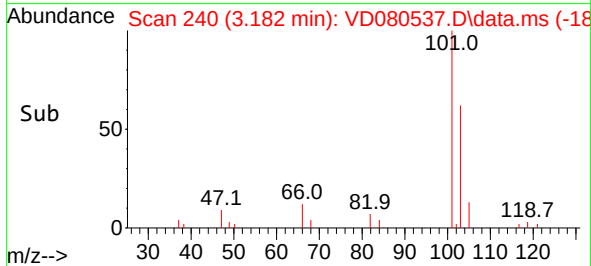
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025



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

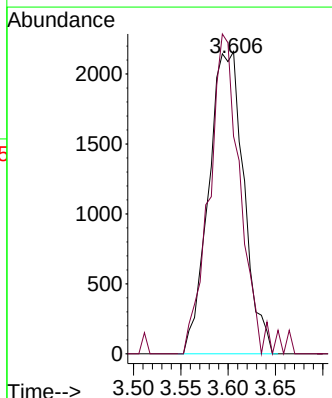
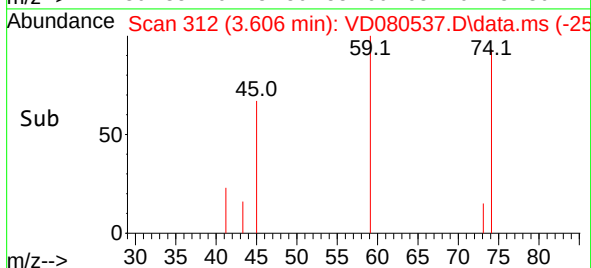
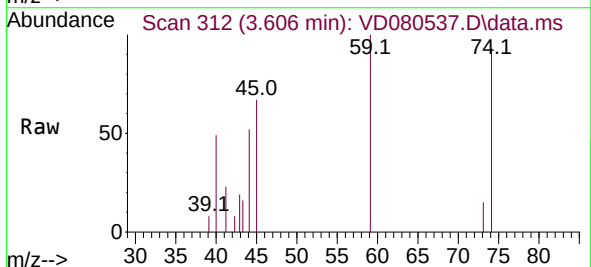
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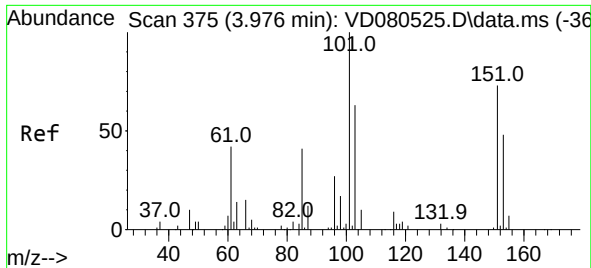
Reviewed By :Amit Patel 11/19/2025
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#8
 Diethyl Ether
 Concen: 4.654 ug/l
 RT: 3.606 min Scan# 312
 Delta R.T. 0.012 min
 Lab File: VD080537.D
 Acq: 18 Nov 2025 12:58

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





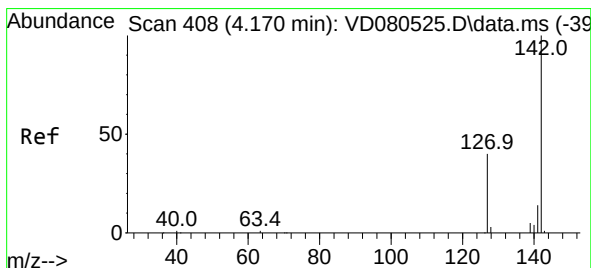
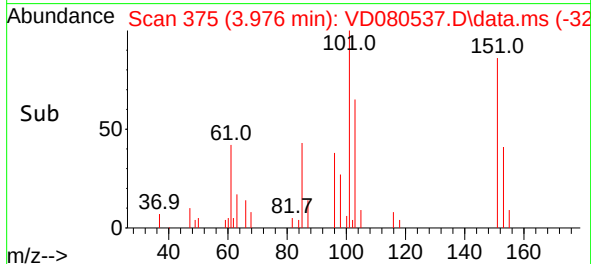
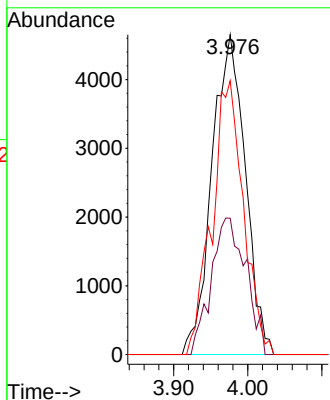
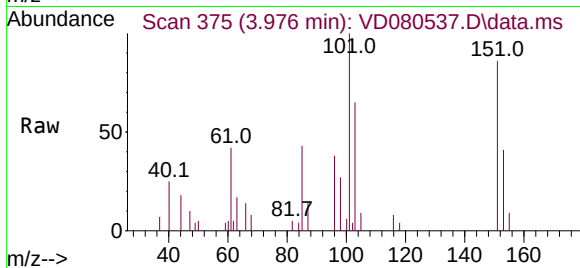
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.280 ug/l
RT: 3.976 min Scan# 375
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

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

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

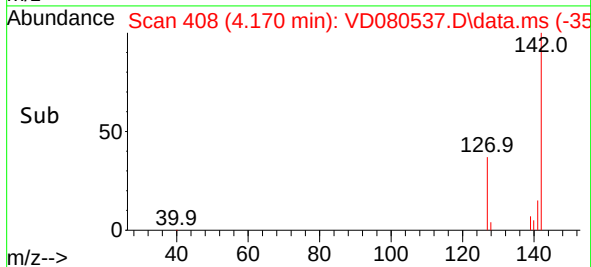
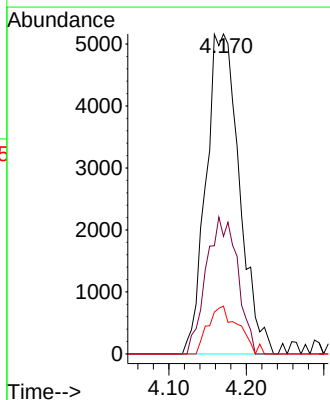
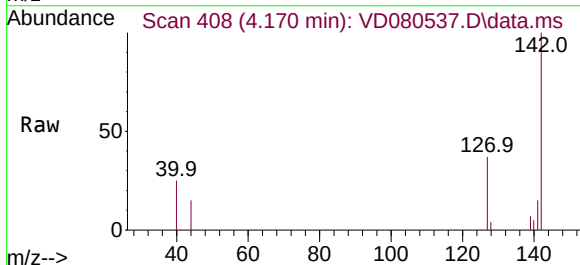
Manual Integrations
APPROVED

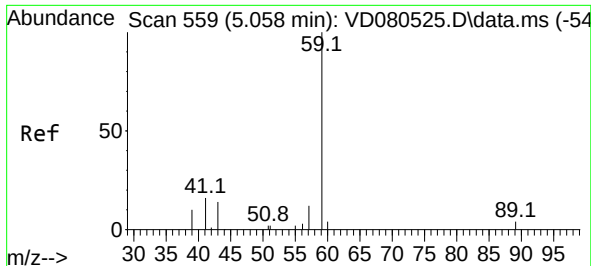
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



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

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





#11

Tert butyl alcohol

Concen: 39.543 ug/l m

RT: 5.029 min Scan# 5

Delta R.T. -0.029 min

Lab File: VD080537.D

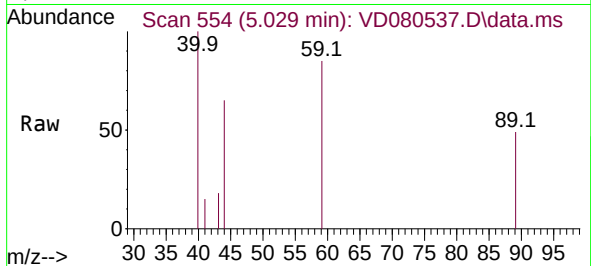
Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2025



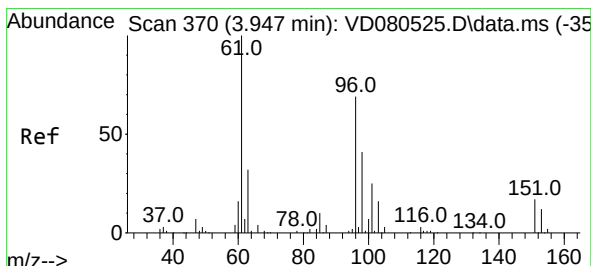
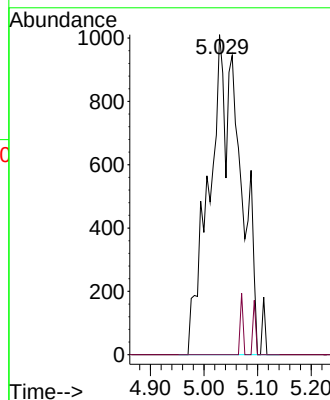
Tgt Ion: 59	Resp: 4150
Ion Ratio	Lower Upper
59	100
57	0.0 4.5 6.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#12

1,1-Dichloroethene

Concen: 5.152 ug/l

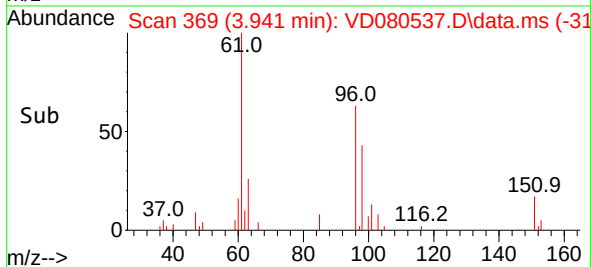
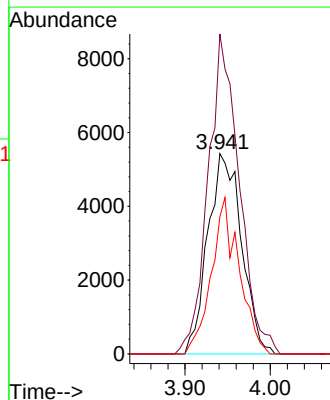
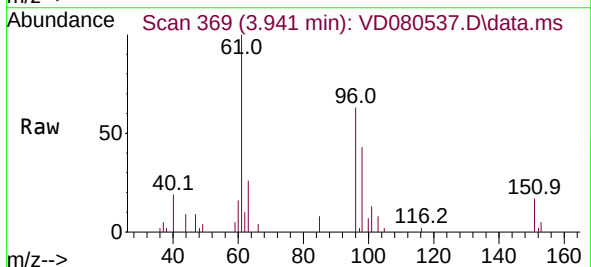
RT: 3.941 min Scan# 369

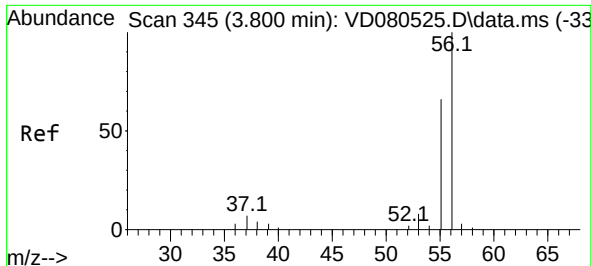
Delta R.T. -0.006 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

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





#13

Acrolein

Concen: 26.116 ug/l

RT: 3.806 min Scan# 34

Delta R.T. 0.006 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2025

Tgt Ion: 56 Resp: 4768

Ion Ratio Lower Upper

56 100

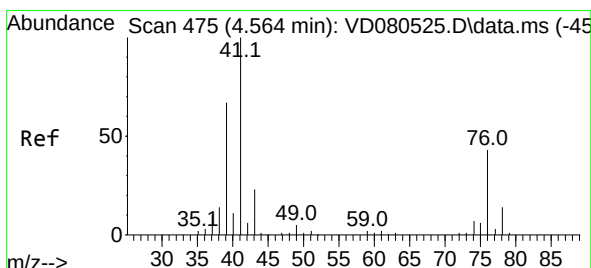
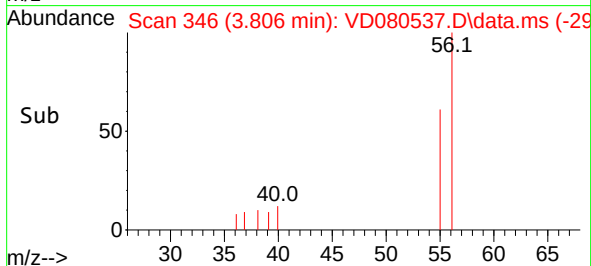
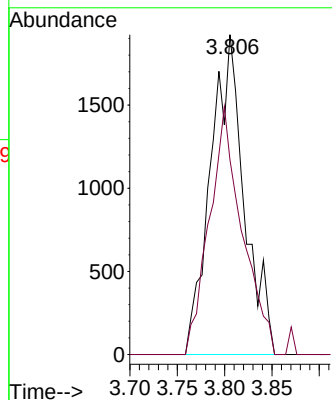
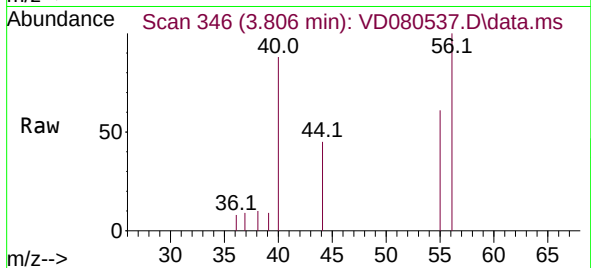
55 75.4 57.2 85.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#14

Allyl chloride

Concen: 4.647 ug/l

RT: 4.570 min Scan# 476

Delta R.T. 0.006 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

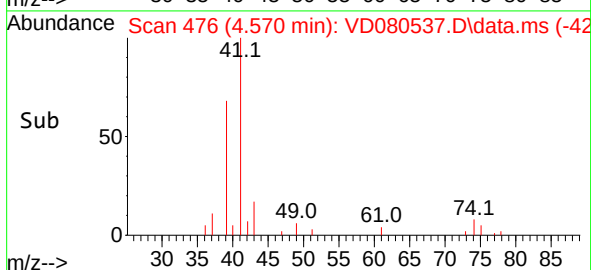
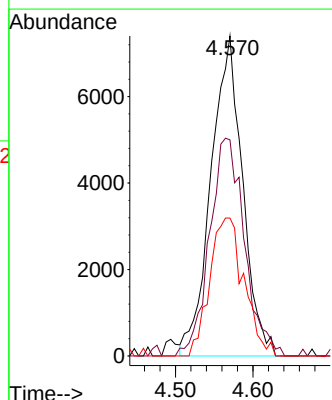
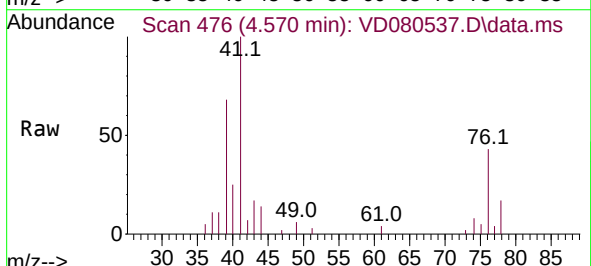
Tgt Ion: 41 Resp: 21014

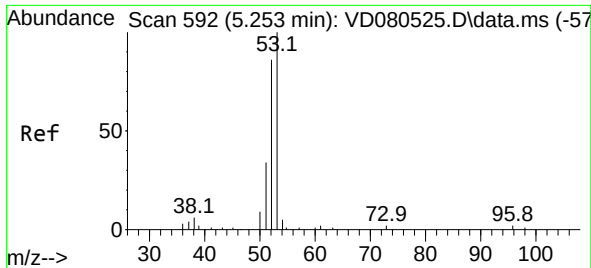
Ion Ratio Lower Upper

41 100

39 75.1 51.4 77.2

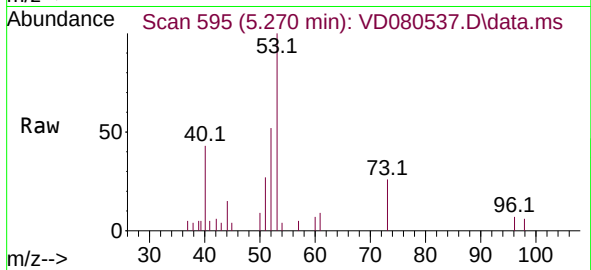
76 46.6 32.6 48.8





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

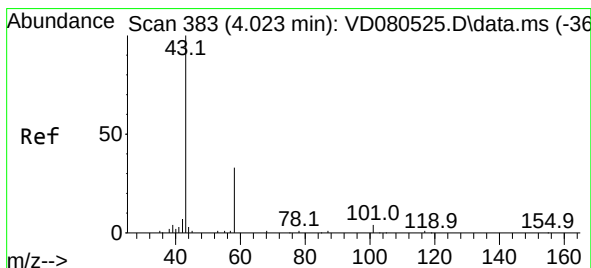
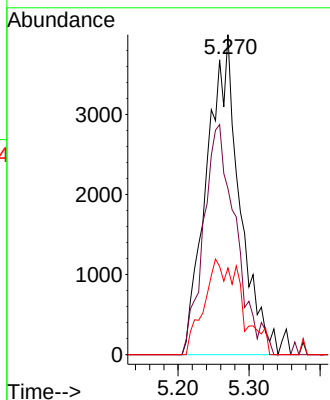
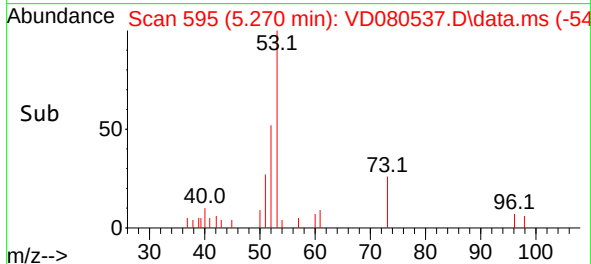
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025



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

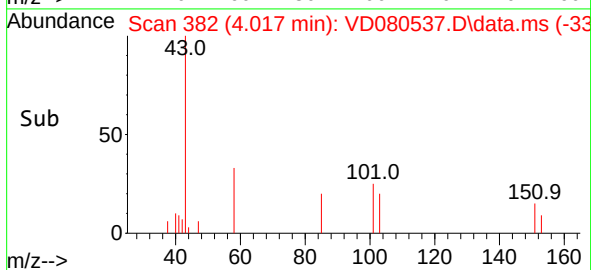
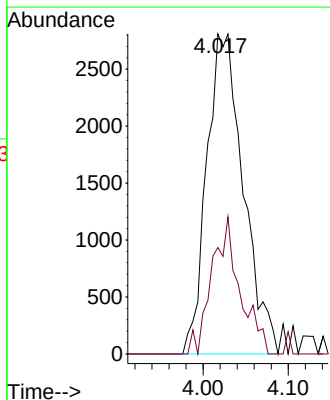
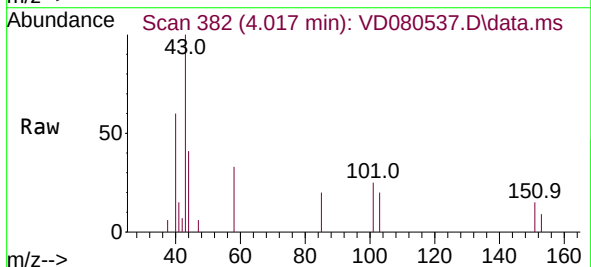
Manual Integrations
APPROVED

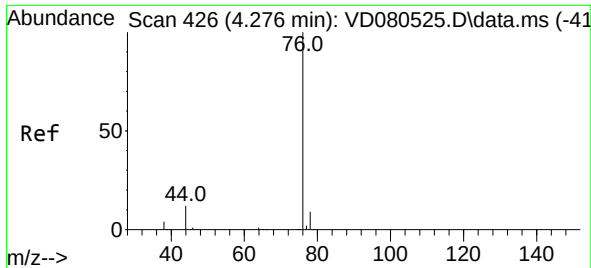
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



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

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





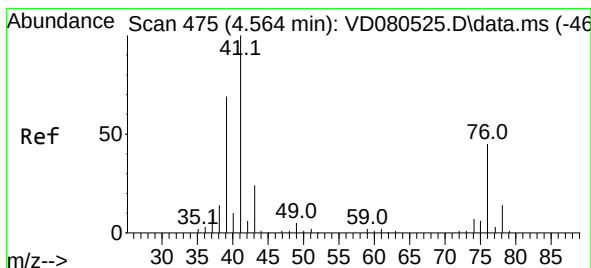
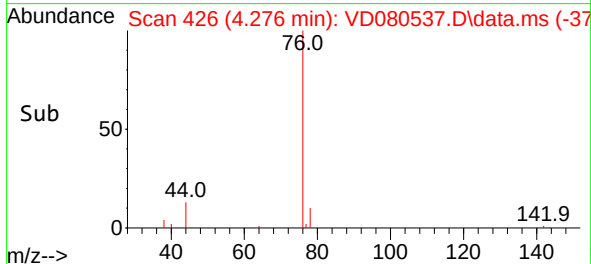
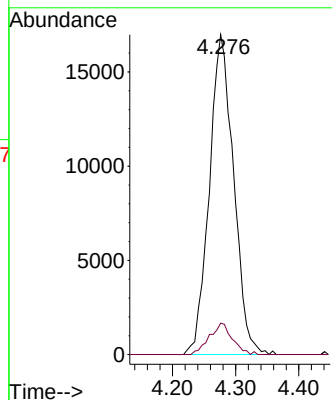
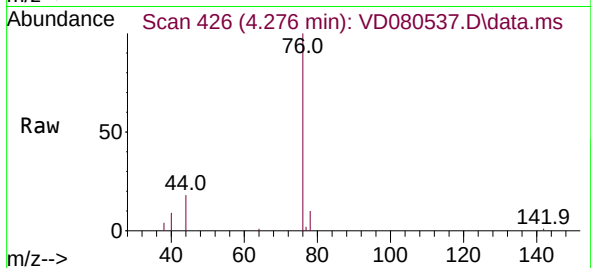
#17
Carbon Disulfide
Concen: 4.879 ug/l
RT: 4.276 min Scan# 426
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

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

Tgt Ion: 76 Resp: 45463
Ion Ratio Lower Upper
76 100
78 9.8 7.0 10.6

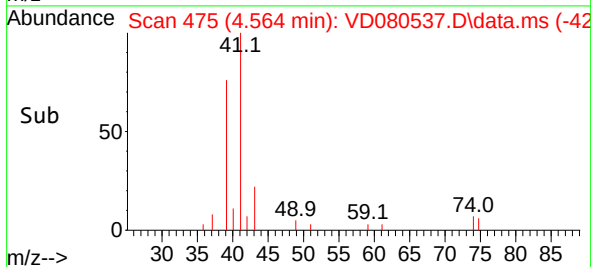
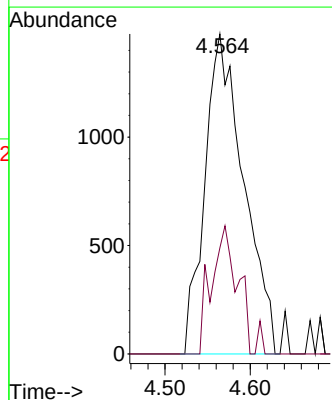
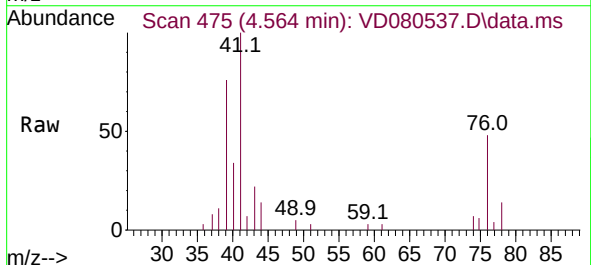
Manual Integrations
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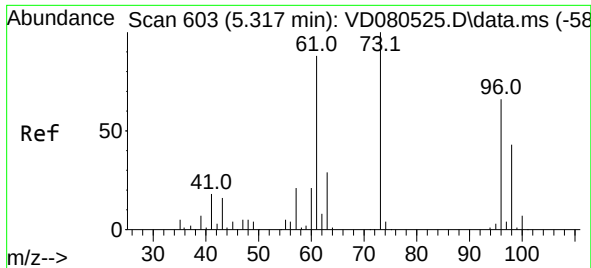
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#18
Methyl Acetate
Concen: 4.622 ug/l
RT: 4.564 min Scan# 475
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

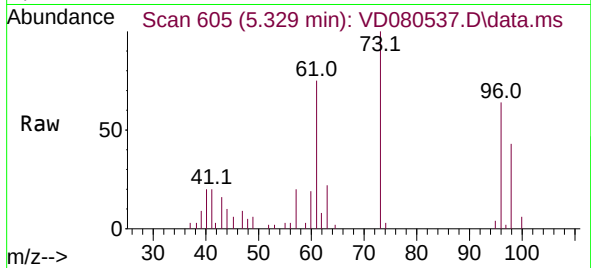
Tgt Ion: 43 Resp: 4683
Ion Ratio Lower Upper
43 100
74 26.7 21.7 32.5





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

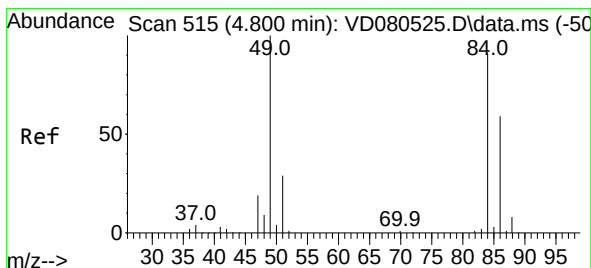
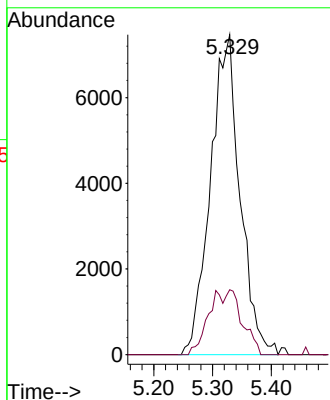
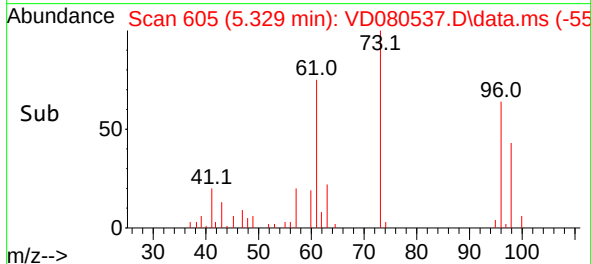
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025



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

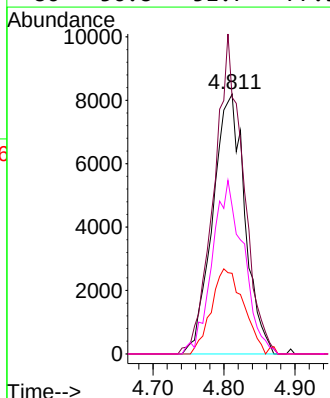
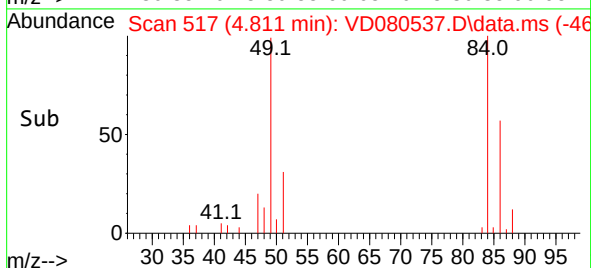
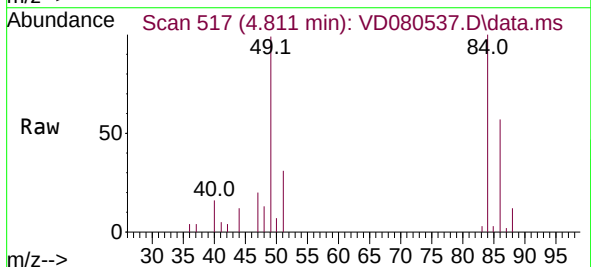
Manual Integrations
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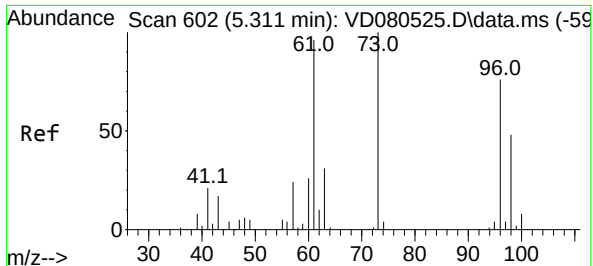
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



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

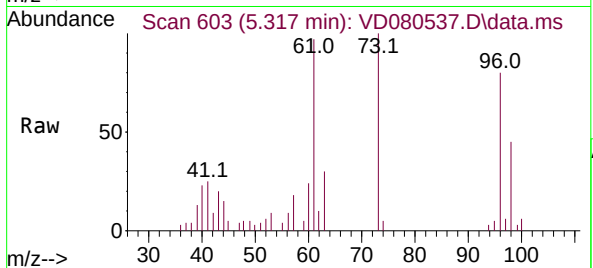
Tgt Ion: 84 Resp: 25719
Ion Ratio Lower Upper
84 100
49 98.9 87.9 131.9
51 31.0 25.4 38.2
86 56.8 51.7 77.5





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

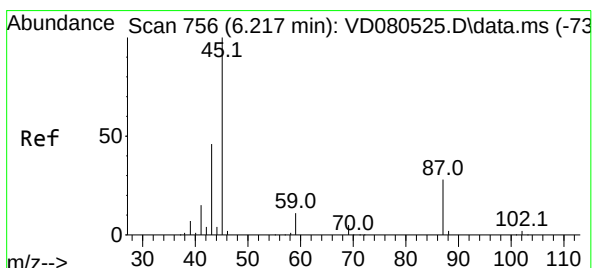
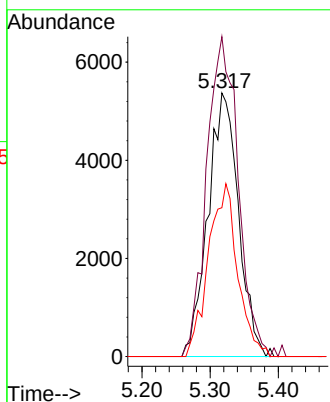
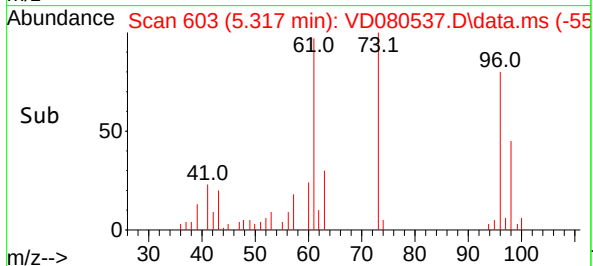
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025



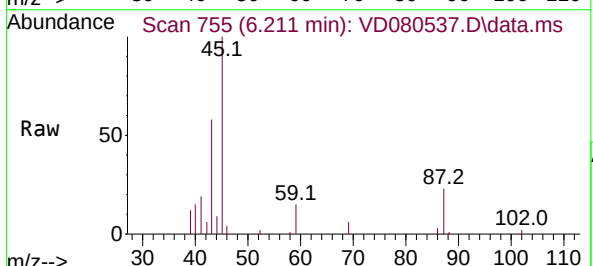
Tgt Ion: 96 Resp: 16698
Ion Ratio Lower Upper
96 100
61 121.4 102.0 153.0
98 56.5 50.5 75.7

Manual Integrations
APPROVED

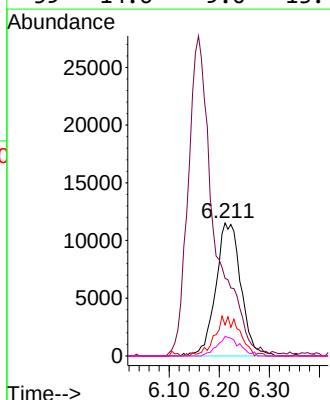
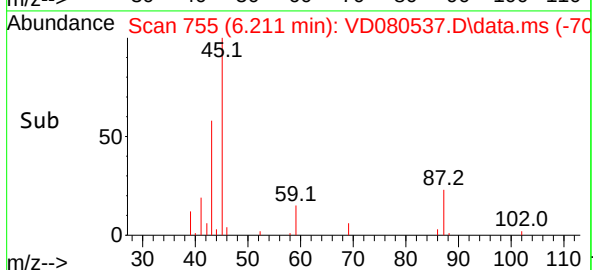
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

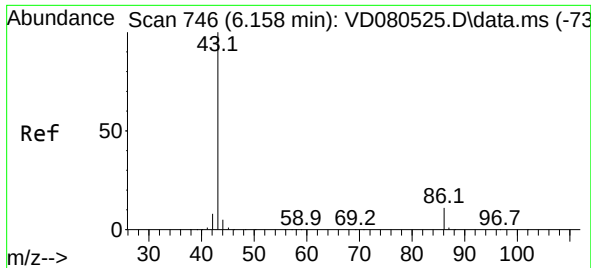


#22
Diisopropyl ether
Concen: 4.895 ug/l
RT: 6.211 min Scan# 755
Delta R.T. -0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58



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





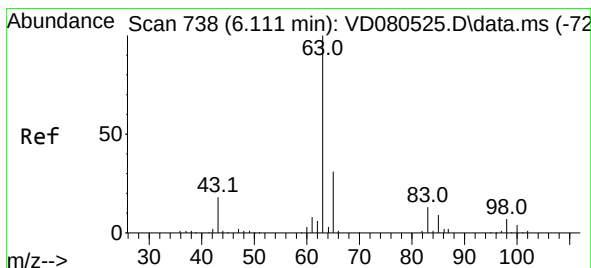
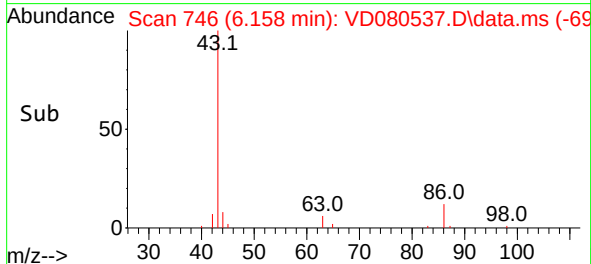
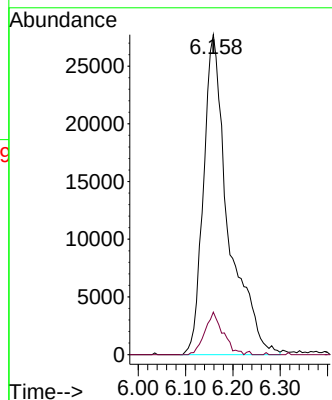
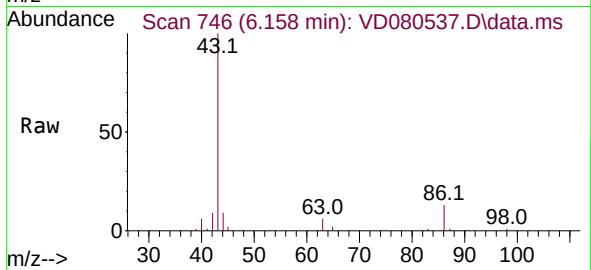
#23
 Vinyl Acetate
 Concen: 23.755 ug/l
 RT: 6.158 min Scan# 746
 Delta R.T. 0.000 min
 Lab File: VD080537.D
 Acq: 18 Nov 2025 12:58

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

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

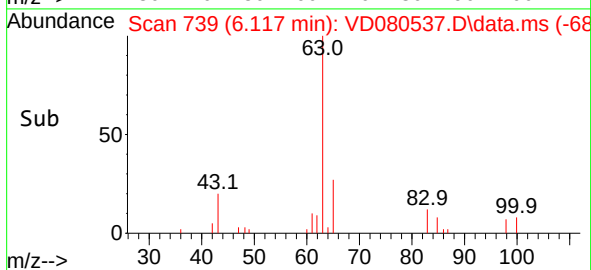
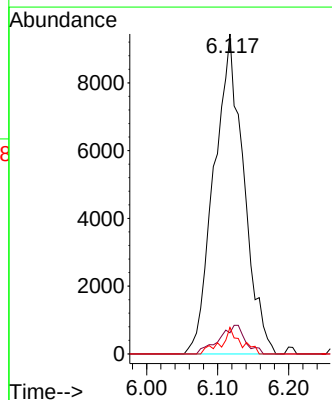
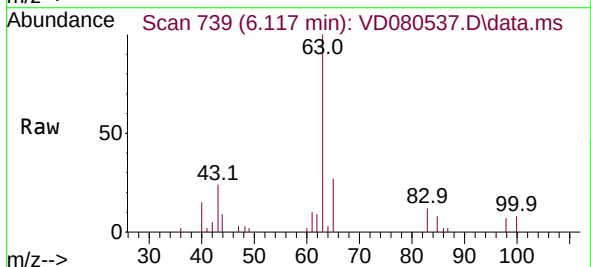
Manual Integrations
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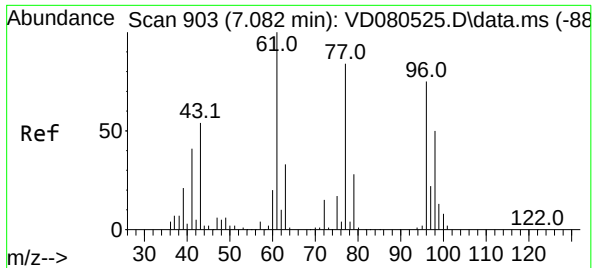
Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



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

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





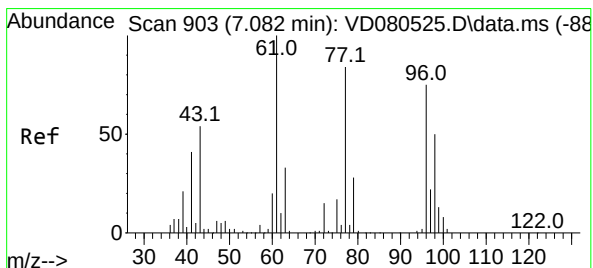
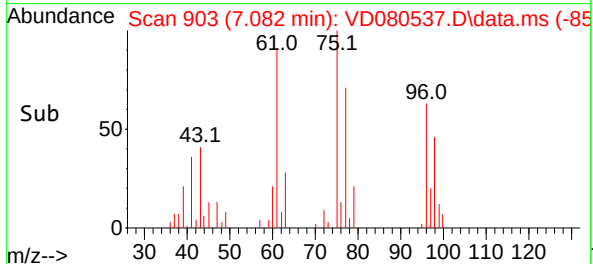
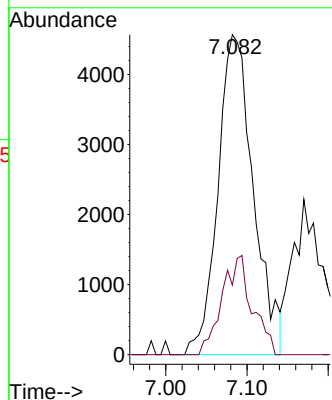
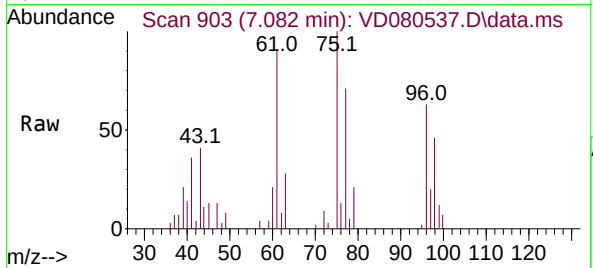
#25
2-Butanone
Concen: 26.862 ug/l
RT: 7.082 min Scan# 903
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

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

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

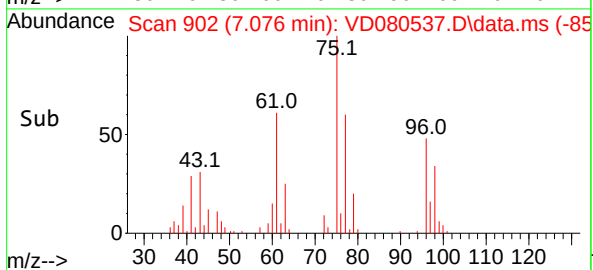
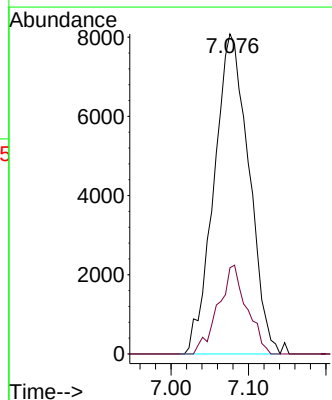
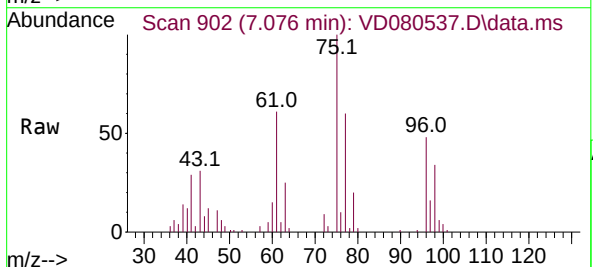
Manual Integrations
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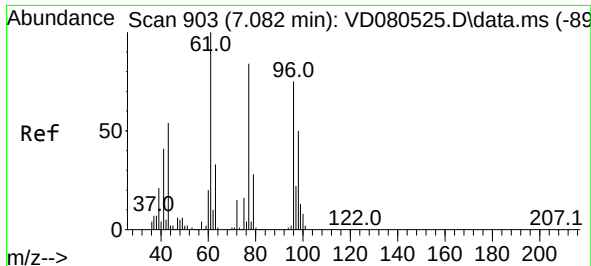
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



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

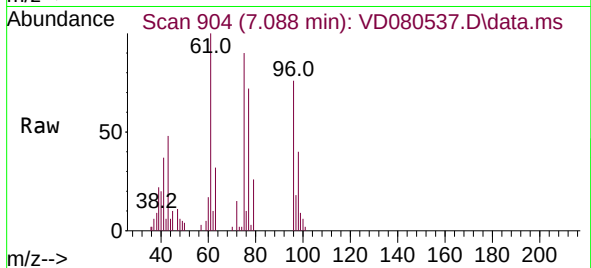
Tgt Ion: 77 Resp: 25232
Ion Ratio Lower Upper
77 100
97 22.7 12.4 37.4





#27
cis-1,2-Dichloroethene
Concen: 5.028 ug/l
RT: 7.088 min Scan# 903
Delta R.T. 0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

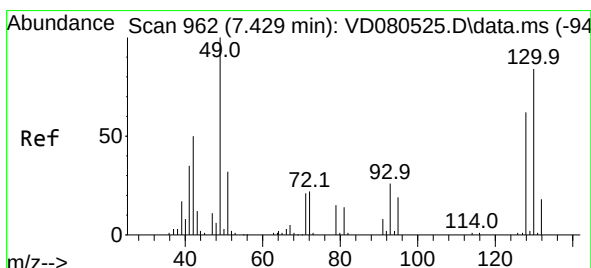
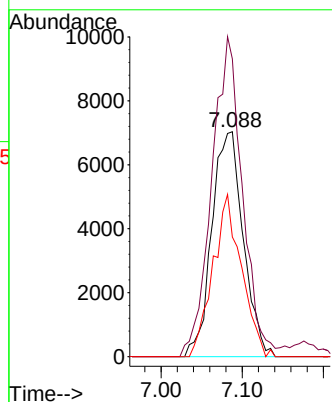
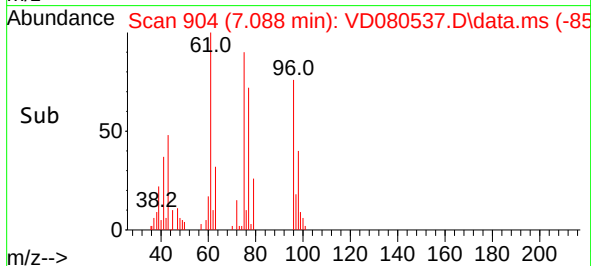
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025



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

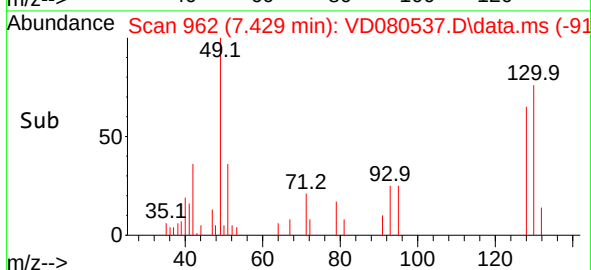
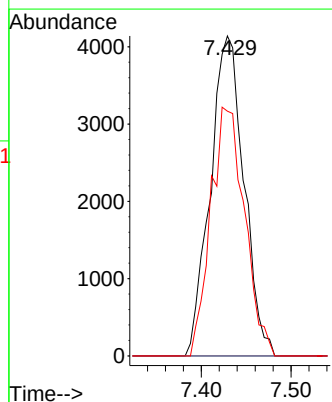
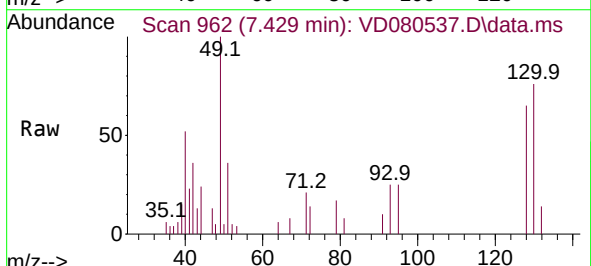
Manual Integrations
APPROVED

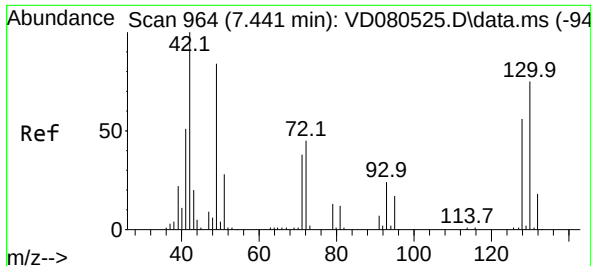
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



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

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





#29

Tetrahydrofuran

Concen: 23.458 ug/l

RT: 7.452 min Scan# 90

Delta R.T. 0.012 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2025

Tgt Ion: 42 Resp: 8073

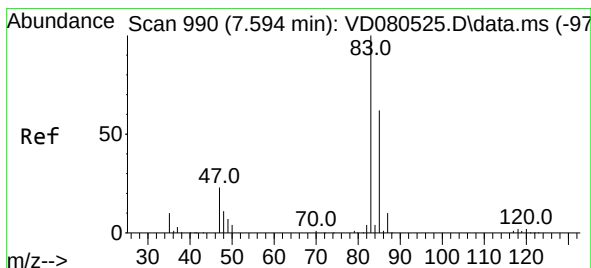
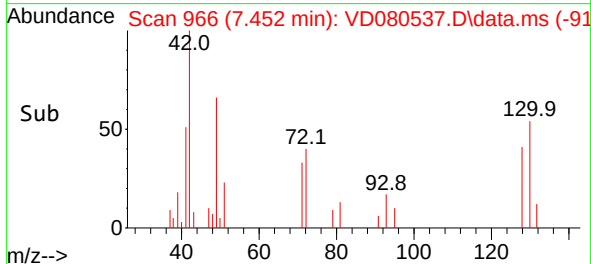
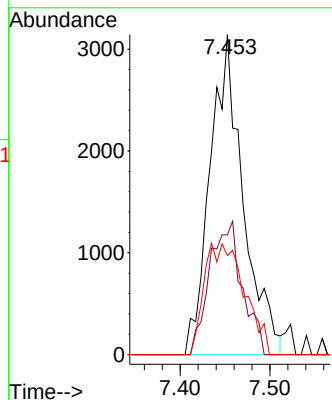
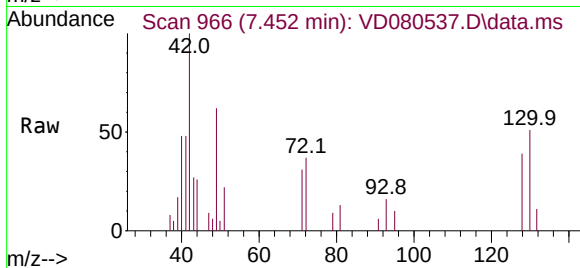
Ion	Ratio	Lower	Upper
42	100		
72	41.1	35.4	53.2
71	0.0	32.2	48.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#30

Chloroform

Concen: 5.259 ug/l

RT: 7.600 min Scan# 991

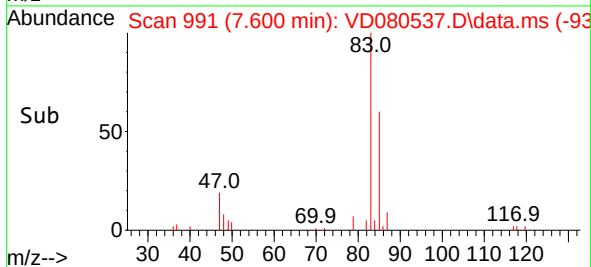
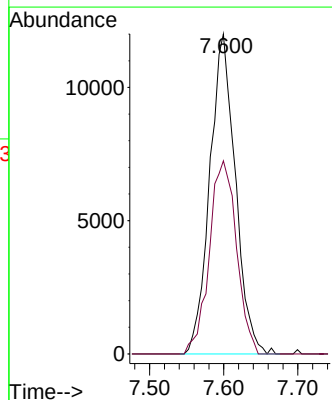
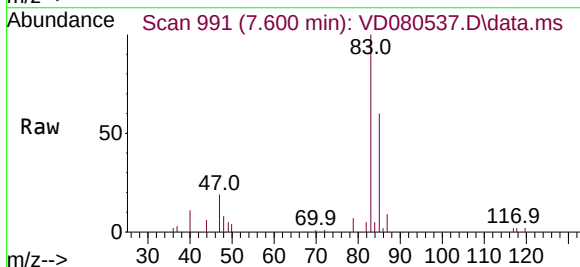
Delta R.T. 0.006 min

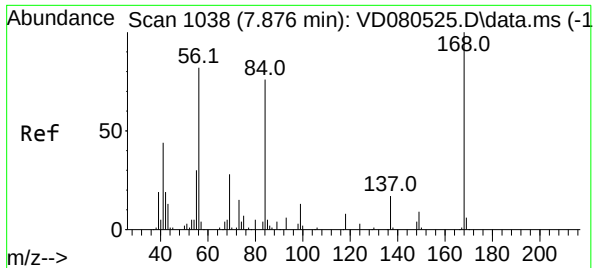
Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Tgt Ion: 83 Resp: 28816

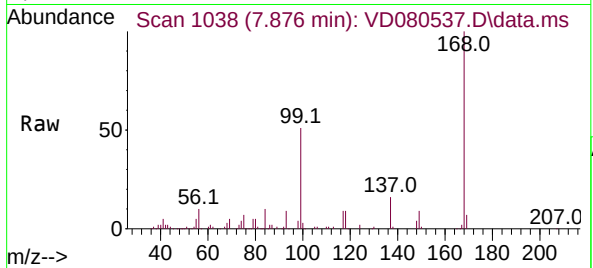
Ion	Ratio	Lower	Upper
83	100		
85	60.3	49.8	74.8





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

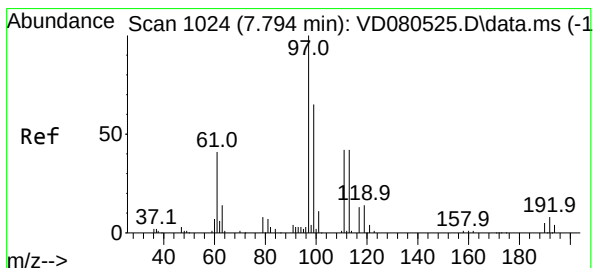
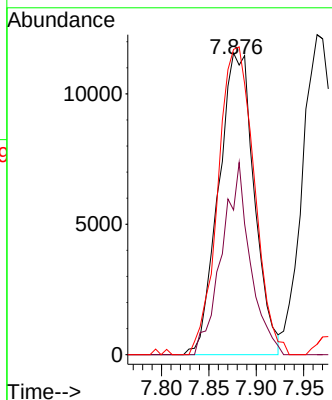
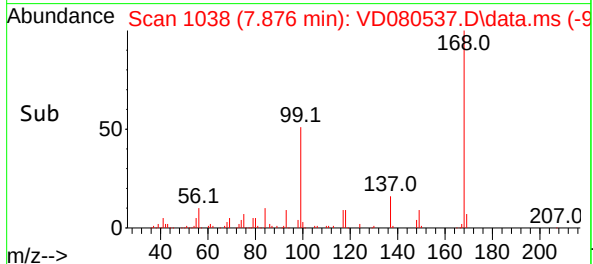
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2025



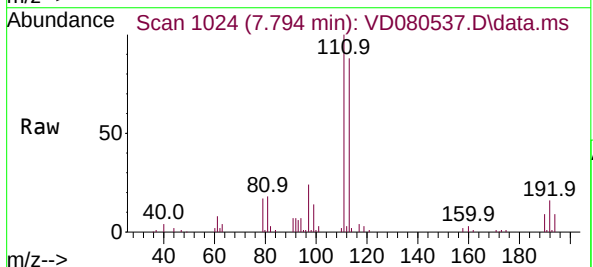
Tgt Ion: 56 Resp: 3025
Ion Ratio Lower Upper
56 100
69 48.0 27.6 41.4
84 101.2 74.6 111.8

Manual Integrations
APPROVED

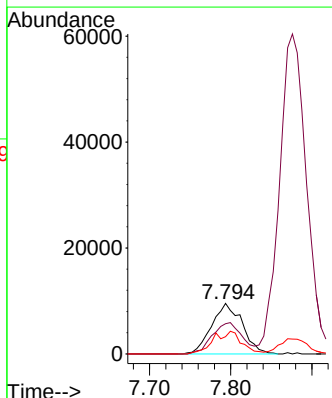
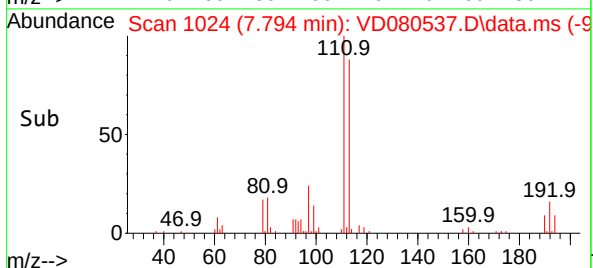
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

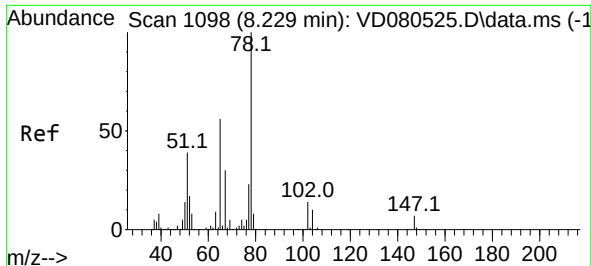


#32
1,1,1-Trichloroethane
Concen: 5.184 ug/l
RT: 7.794 min Scan# 1024
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58



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





#33

1,2-Dichloroethane-d4

Concen: 50.338 ug/l

RT: 8.229 min Scan# 1098

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2025

Tgt Ion: 65 Resp: 113434

Ion Ratio Lower Upper

65 100

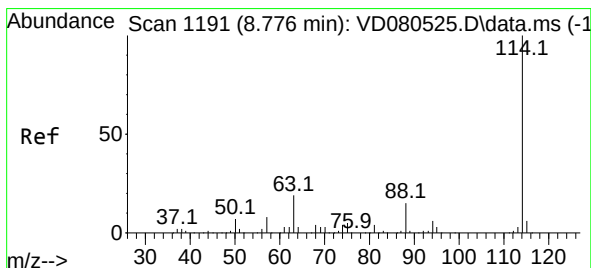
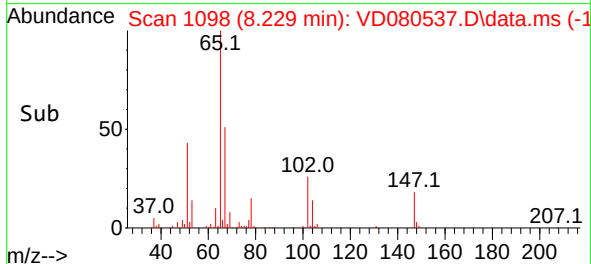
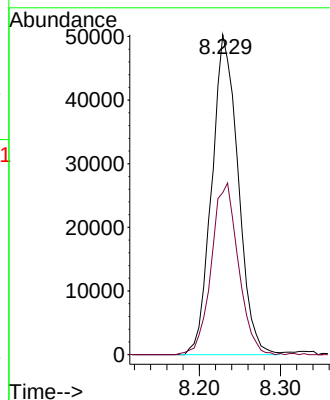
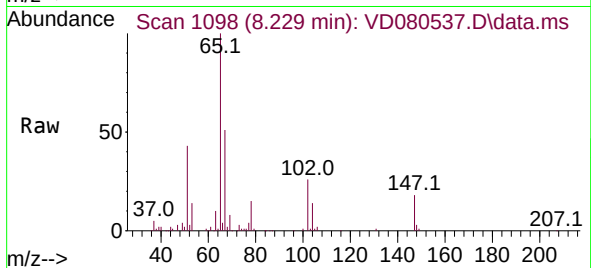
67 54.7 0.0 109.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

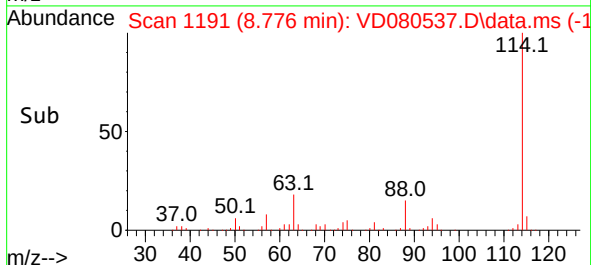
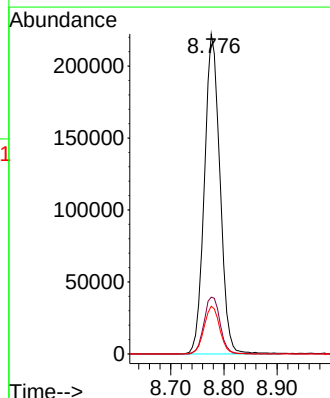
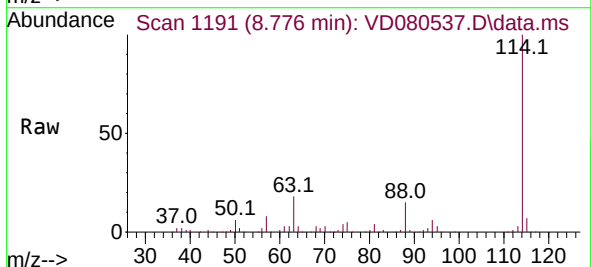
Tgt Ion:114 Resp: 450410

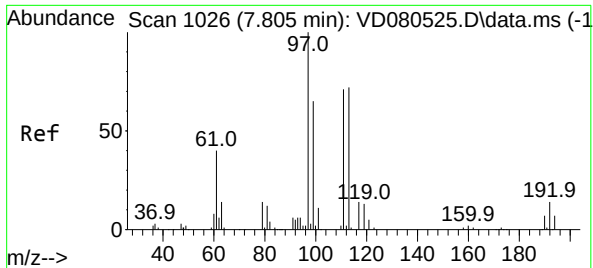
Ion Ratio Lower Upper

114 100

63 17.7 0.0 38.2

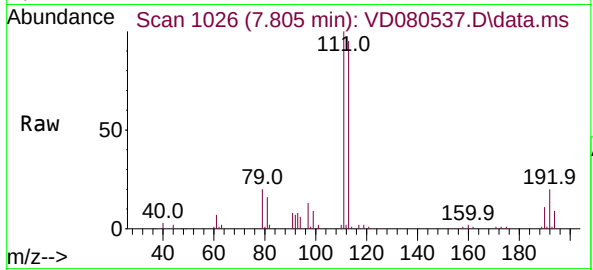
88 14.9 0.0 29.6





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

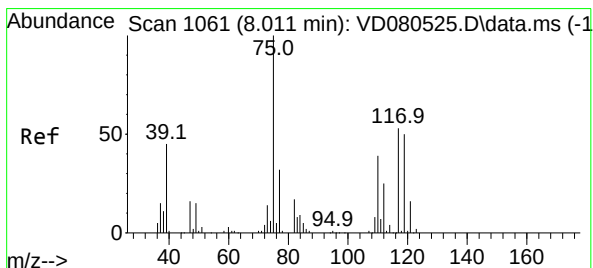
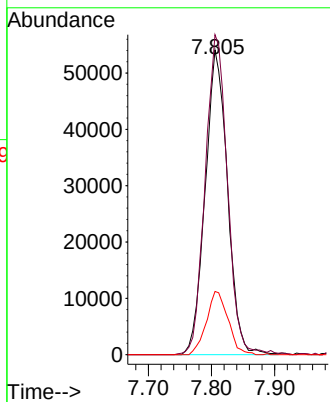
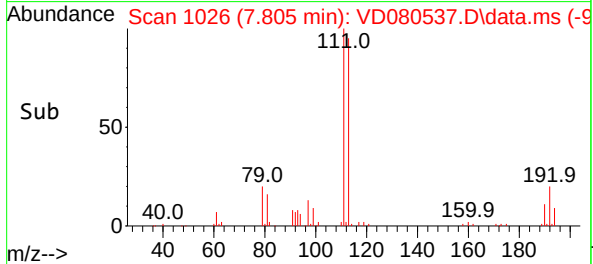
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025



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

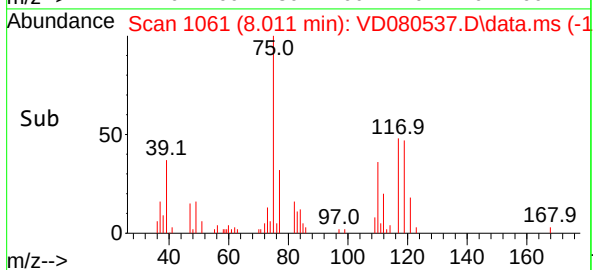
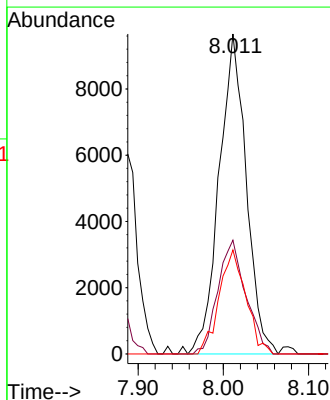
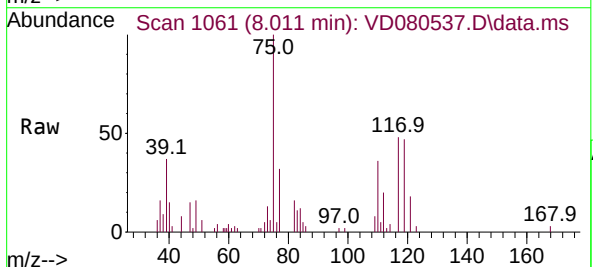
Manual Integrations
APPROVED

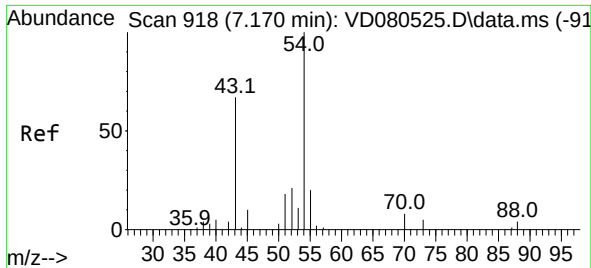
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



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

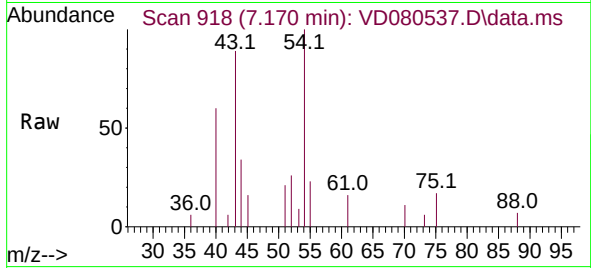
Tgt Ion: 75 Resp: 21404
Ion Ratio Lower Upper
75 100
110 36.6 18.9 56.5
77 31.9 25.8 38.8





#37
Ethyl Acetate
Concen: 4.601 ug/l
RT: 7.170 min Scan# 918
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

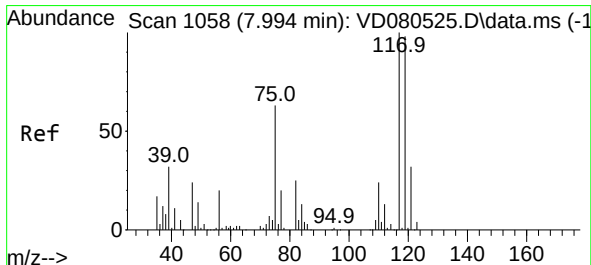
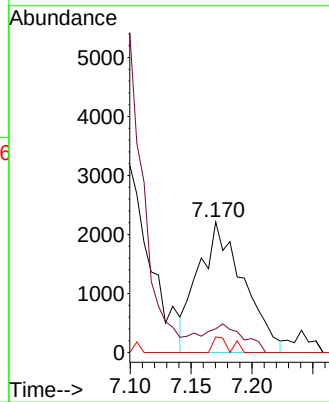
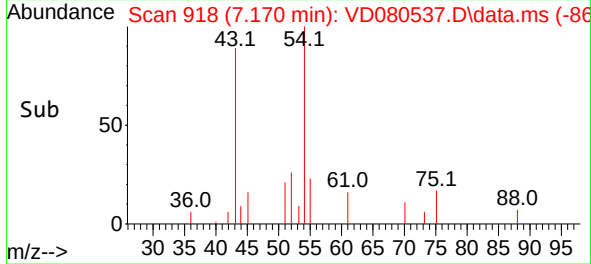
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025



Tgt Ion: 43 Resp: 5705
Ion Ratio Lower Upper
43 100
61 16.3 11.9 17.9
70 4.4 8.2 12.2

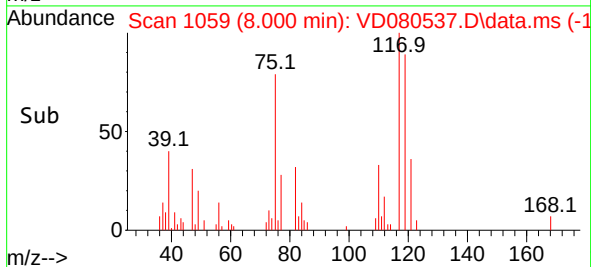
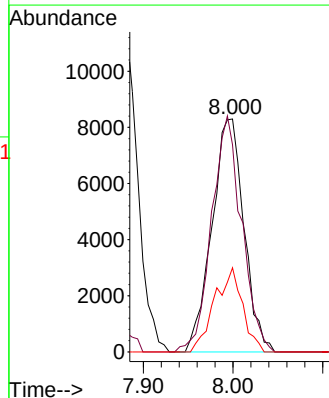
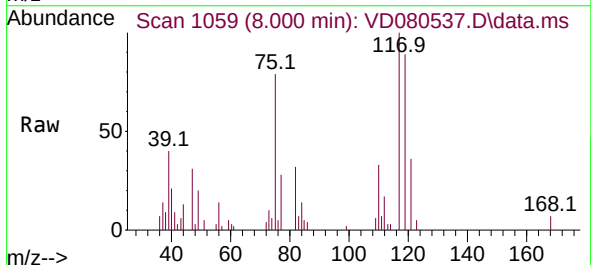
Manual Integrations
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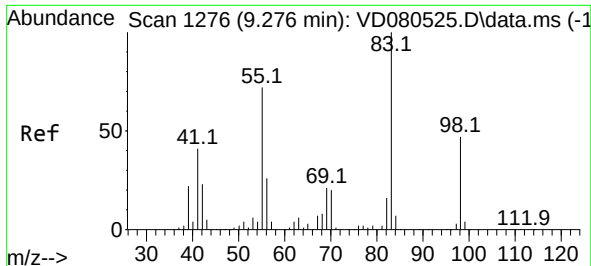
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#38
Carbon Tetrachloride
Concen: 5.019 ug/l
RT: 8.000 min Scan# 1059
Delta R.T. 0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

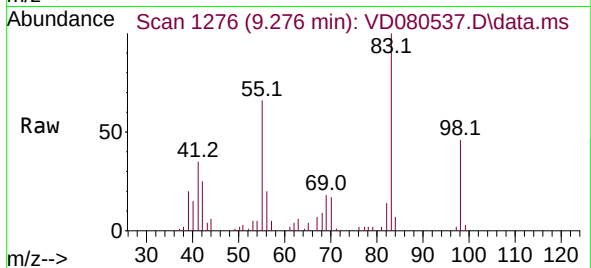
Tgt Ion:117 Resp: 20673
Ion Ratio Lower Upper
117 100
119 88.9 78.2 117.4
121 36.1 25.8 38.6





#39
Methylcyclohexane
Concen: 5.108 ug/l
RT: 9.276 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

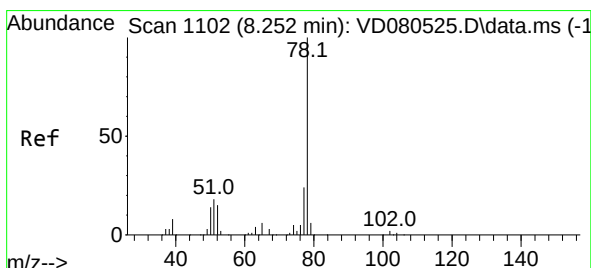
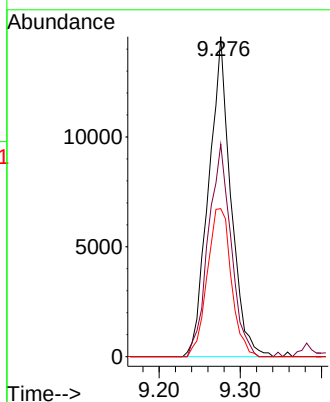
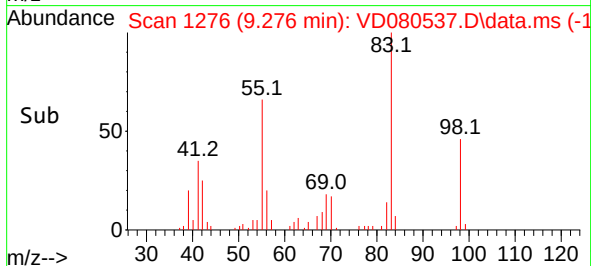
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025



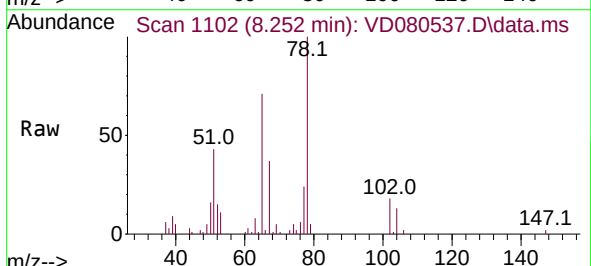
Tgt Ion: 83 Resp: 2762
Ion Ratio Lower Upper
83 100
55 66.4 57.8 86.8
98 46.2 37.8 56.8

Manual Integrations
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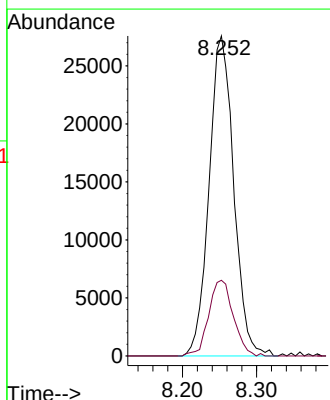
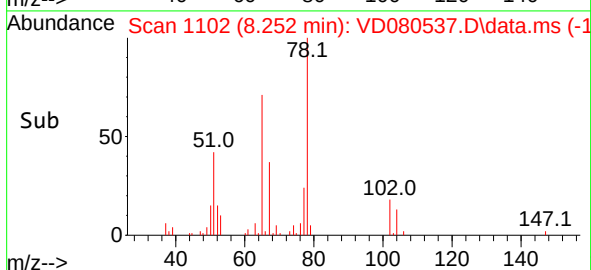
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

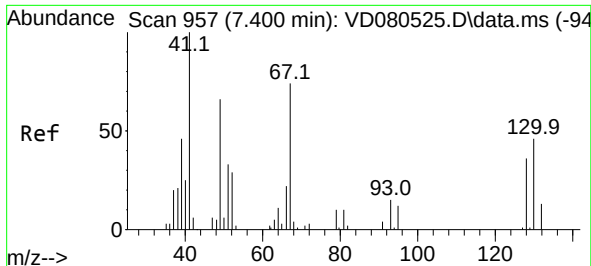


#40
Benzene
Concen: 5.016 ug/l
RT: 8.252 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58



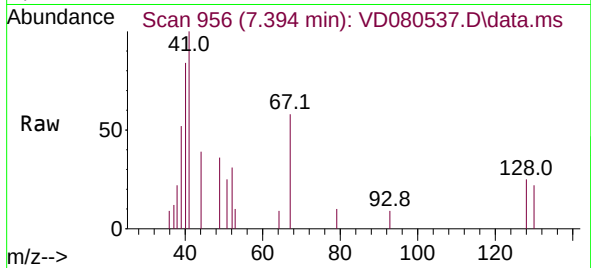
Tgt Ion: 78 Resp: 63666
Ion Ratio Lower Upper
78 100
77 23.6 19.3 28.9





#41
Methacrylonitrile
Concen: 5.150 ug/l m
RT: 7.394 min Scan# 956
Delta R.T. -0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

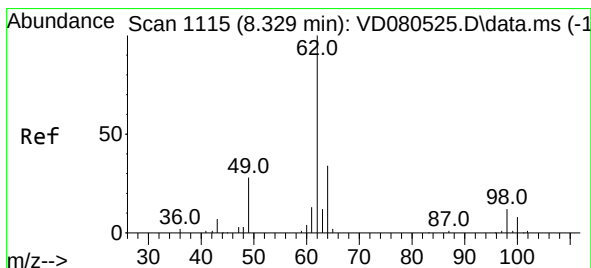
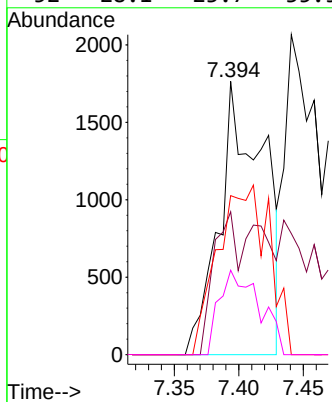
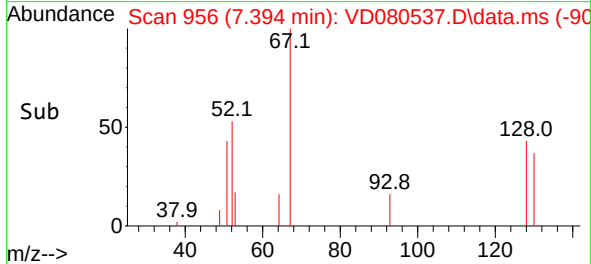
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025



Tgt Ion: 41 Resp: 417
Ion Ratio Lower Upper
41 100
39 28.5 44.3 66.5
67 0.0 64.0 96.0
52 28.1 23.7 35.5

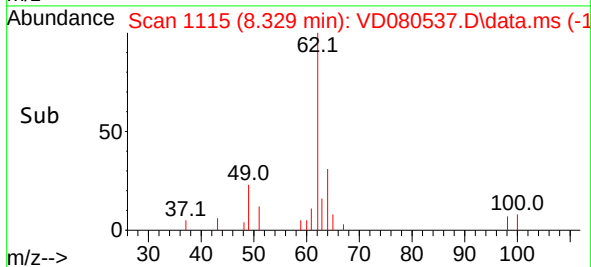
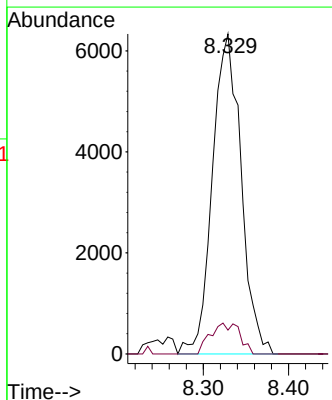
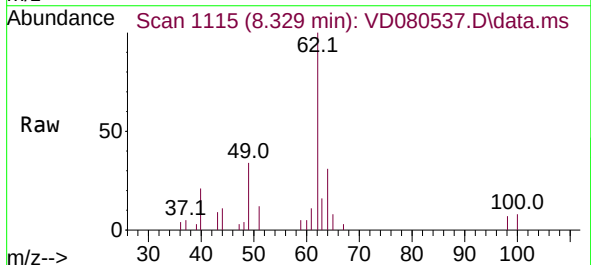
Manual Integrations
APPROVED

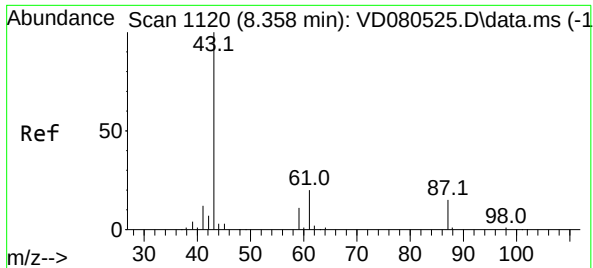
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



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

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





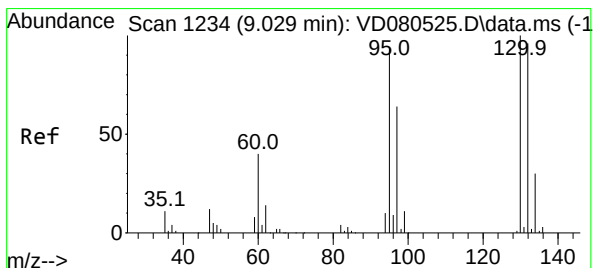
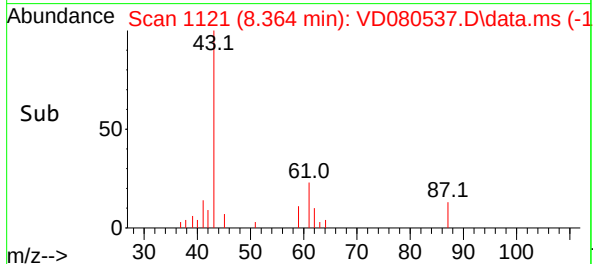
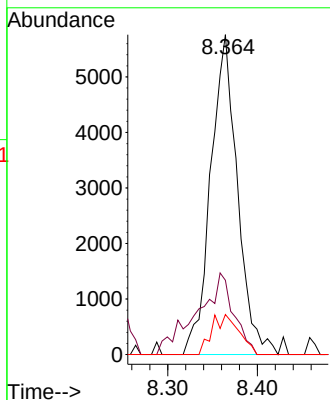
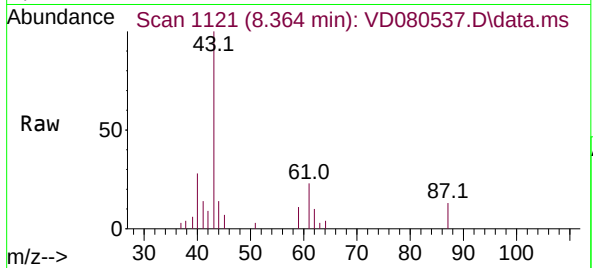
#43
Isopropyl Acetate
Concen: 4.923 ug/l
RT: 8.364 min Scan# 1121
Delta R.T. 0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Instrument : MSVOA_D
ClientSampleId : VD080537.D
LOQ-SOIL-02-QT4-2025

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

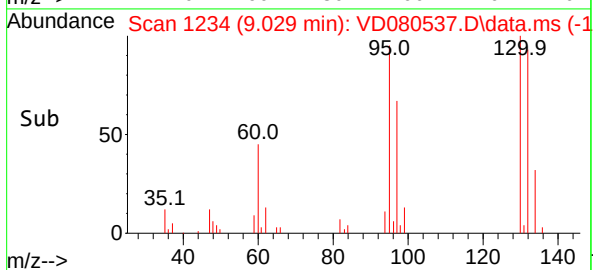
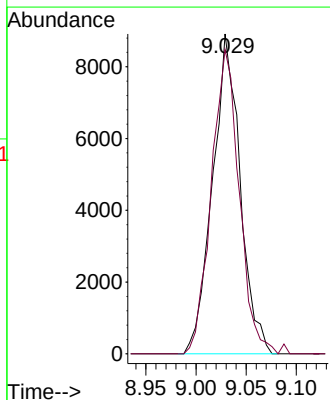
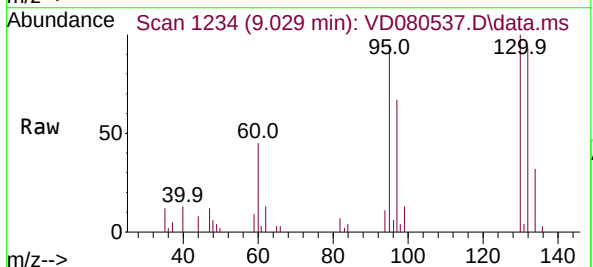
Manual Integrations
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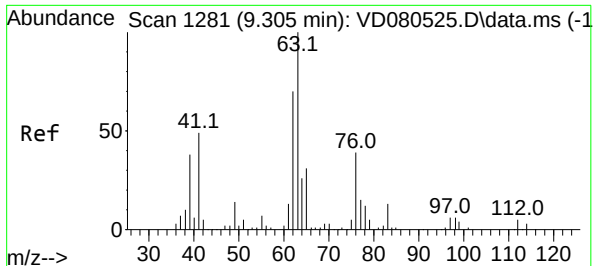
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



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

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





#45

1,2-Dichloropropane

Concen: 4.911 ug/l

RT: 9.305 min Scan# 1281

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2025

Tgt Ion: 63 Resp: 1427

Ion Ratio Lower Upper

63 100

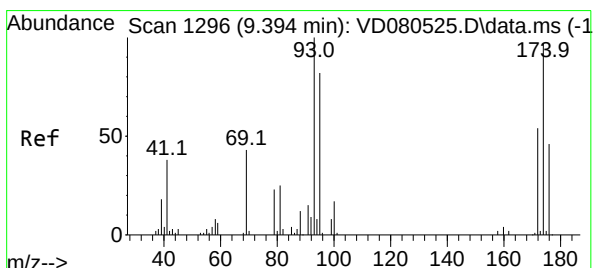
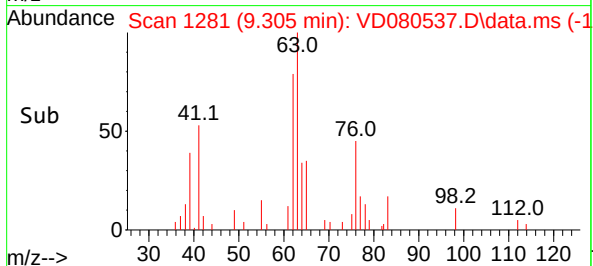
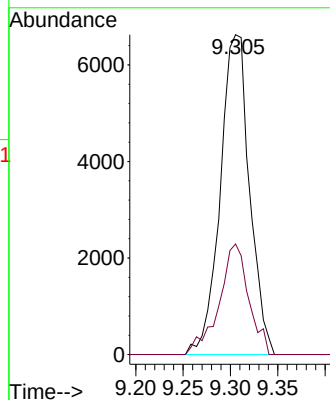
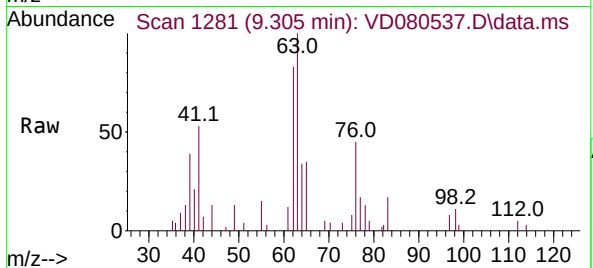
65 34.6 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#46

Dibromomethane

Concen: 4.999 ug/l

RT: 9.394 min Scan# 1296

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

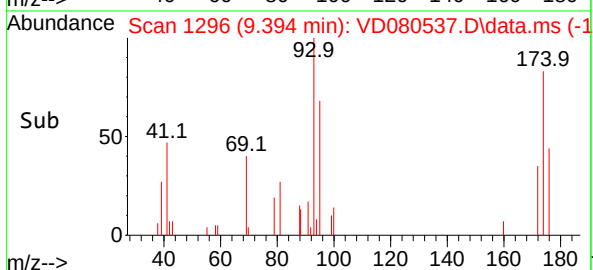
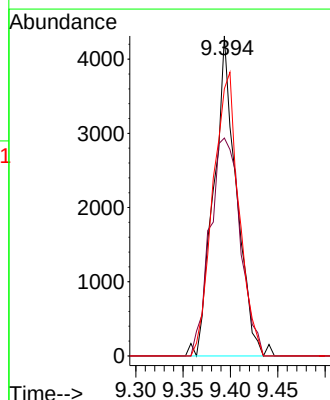
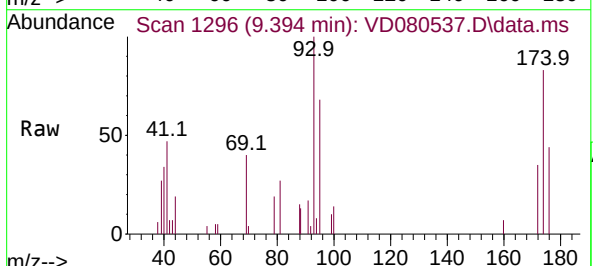
Tgt Ion: 93 Resp: 7166

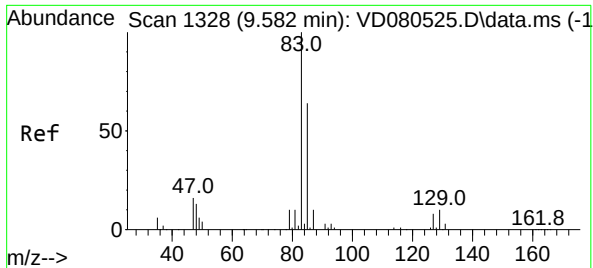
Ion Ratio Lower Upper

93 100

95 91.3 68.2 102.2

174 101.7 79.5 119.3





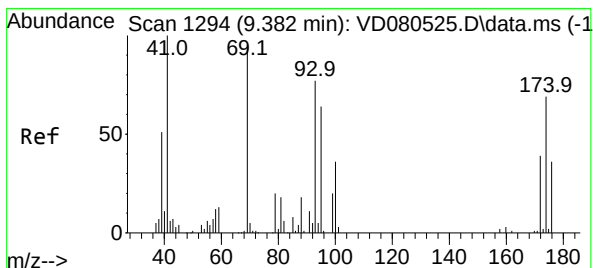
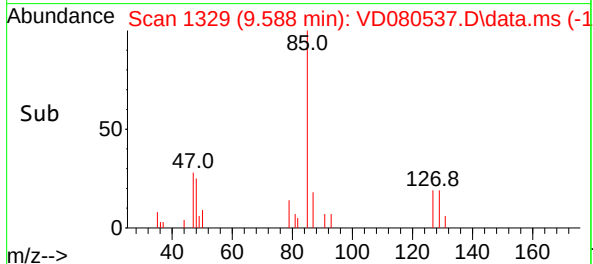
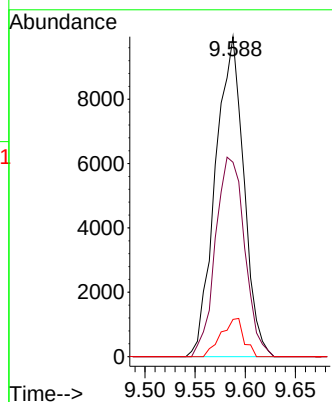
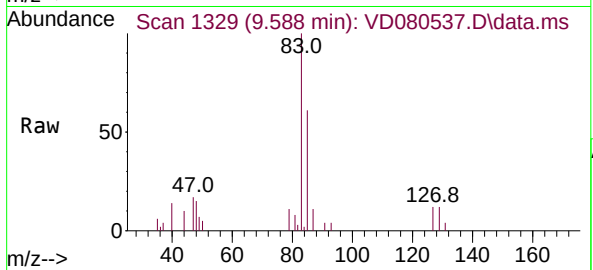
#47
Bromodichloromethane
Concen: 5.056 ug/l
RT: 9.588 min Scan# 1328
Delta R.T. 0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

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

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

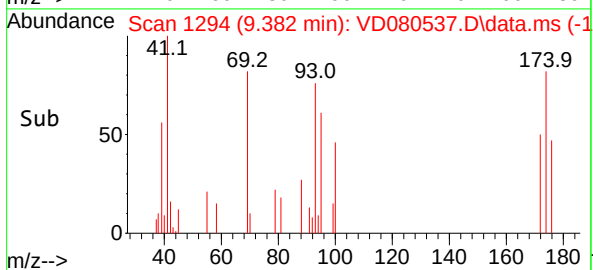
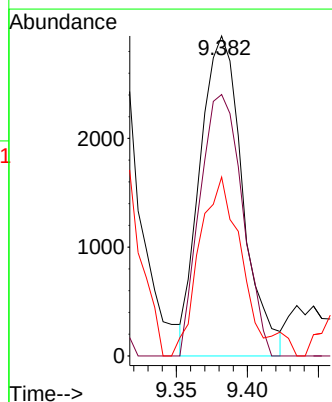
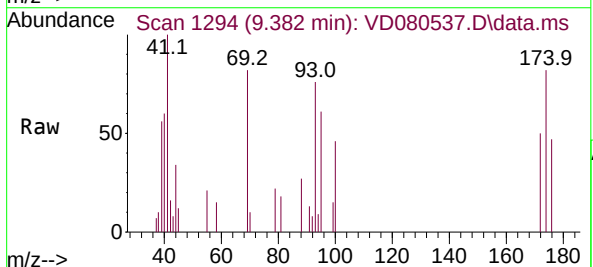
Manual Integrations
APPROVED

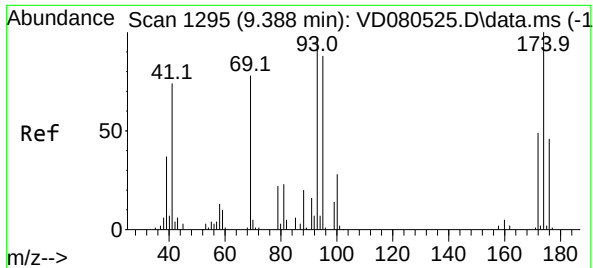
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#48
Methyl methacrylate
Concen: 5.092 ug/l
RT: 9.382 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

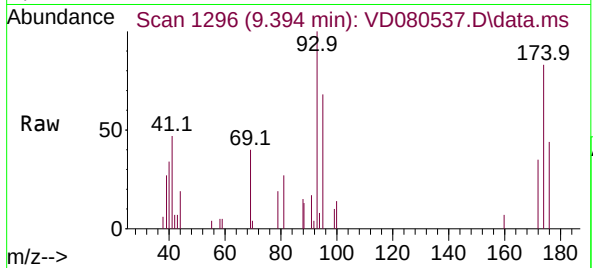
Tgt Ion: 41 Resp: 6147
Ion Ratio Lower Upper
41 100
69 81.6 74.5 111.7
39 56.6 40.6 61.0





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

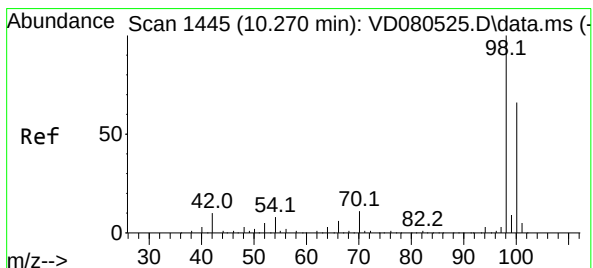
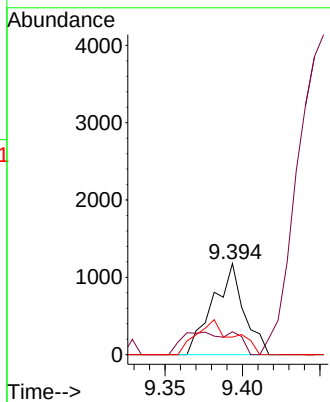
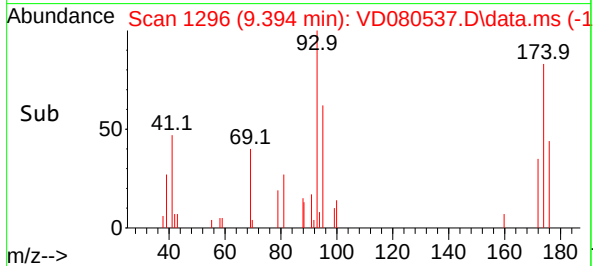
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2025



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

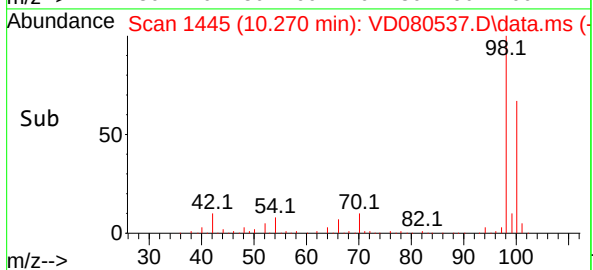
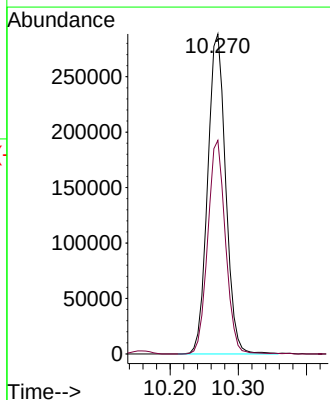
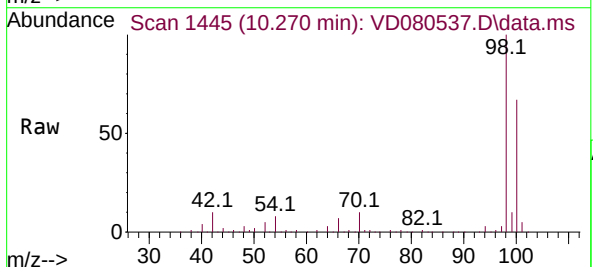
Manual Integrations
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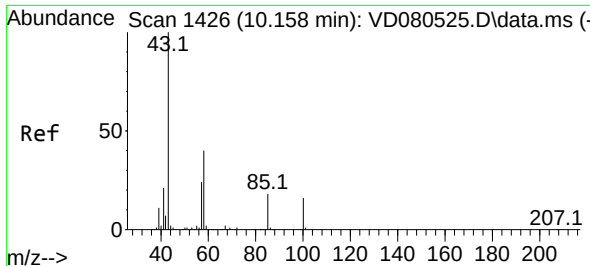
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



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

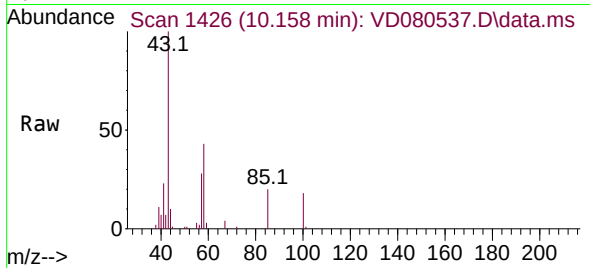
Tgt Ion: 98 Resp: 528315
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0





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

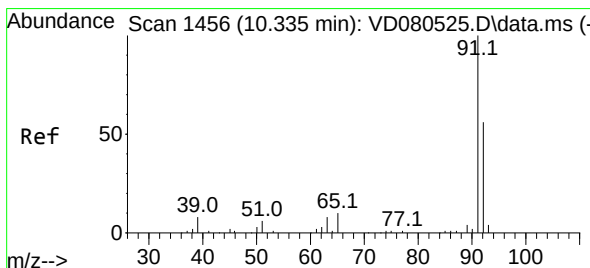
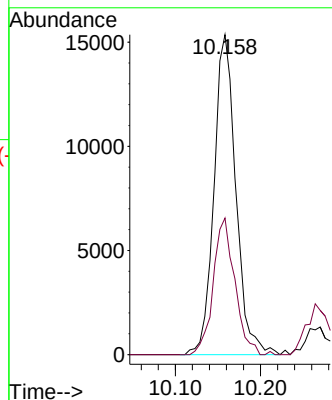
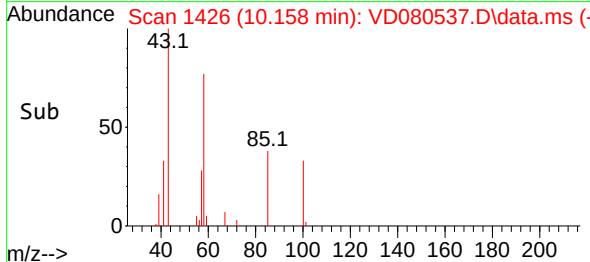
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025



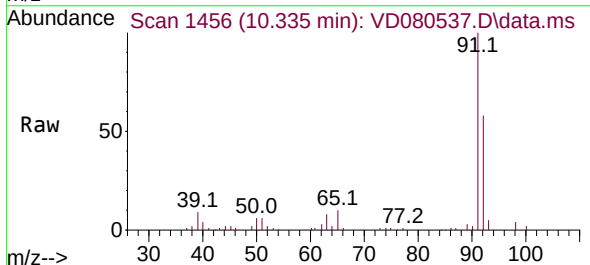
Tgt Ion: 43 Resp: 27378
Ion Ratio Lower Upper
43 100
58 42.0 32.8 49.2

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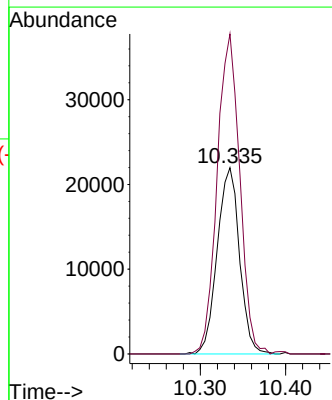
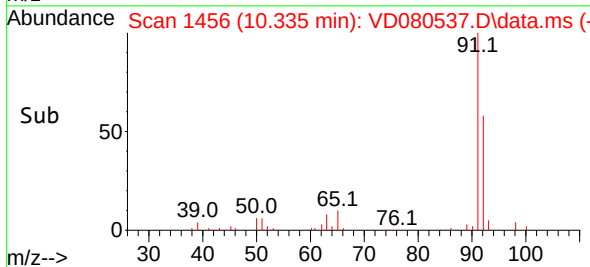
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

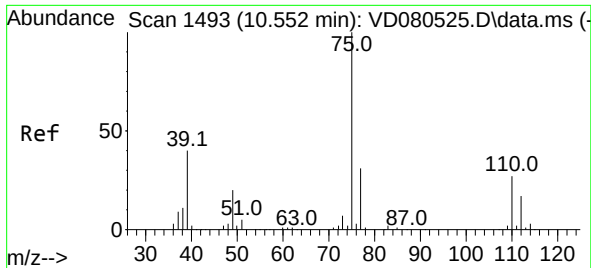


#52
Toluene
Concen: 4.971 ug/l
RT: 10.335 min Scan# 1456
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58



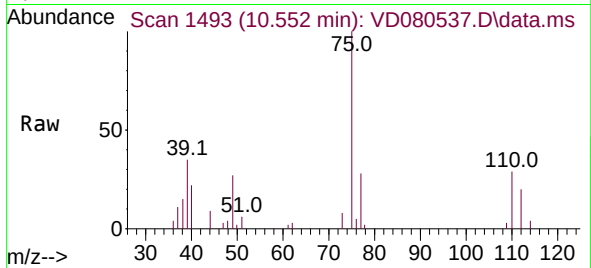
Tgt Ion: 92 Resp: 39901
Ion Ratio Lower Upper
92 100
91 174.2 137.0 205.6





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

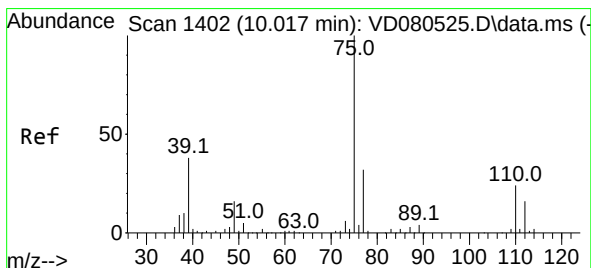
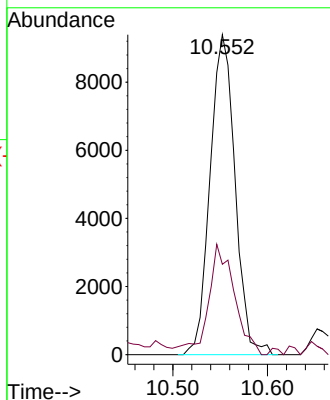
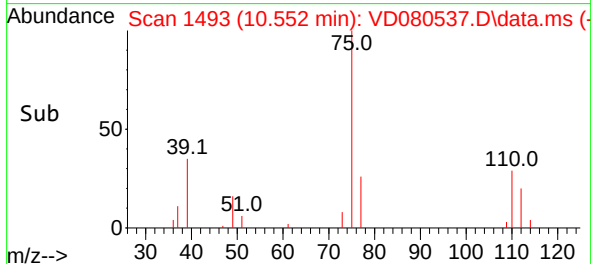
Instrument : MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025



Tgt Ion: 75 Resp: 1720
Ion Ratio Lower Upper
75 100
77 26.6 24.7 37.1

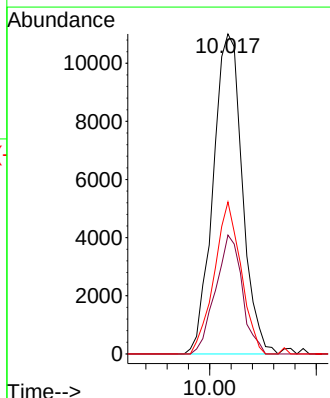
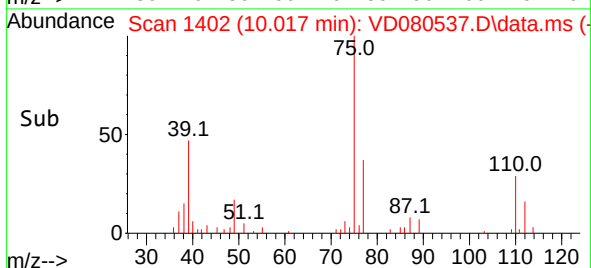
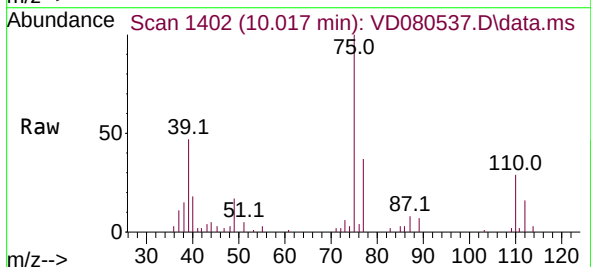
Manual Integrations
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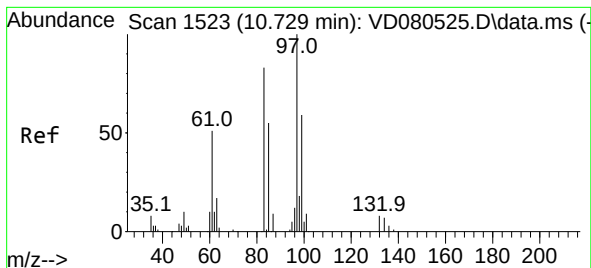
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



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

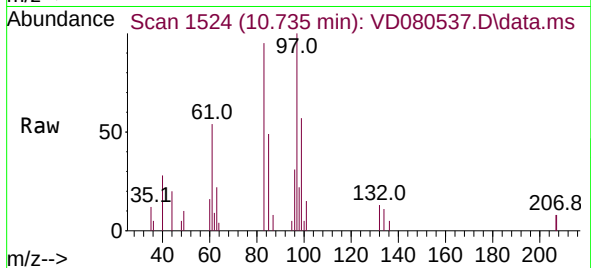
Tgt Ion: 75 Resp: 20967
Ion Ratio Lower Upper
75 100
77 37.1 25.8 38.6
39 47.5 30.7 46.1#





#55
1,1,2-Trichloroethane
Concen: 5.237 ug/l
RT: 10.735 min Scan# 1500
Delta R.T. 0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

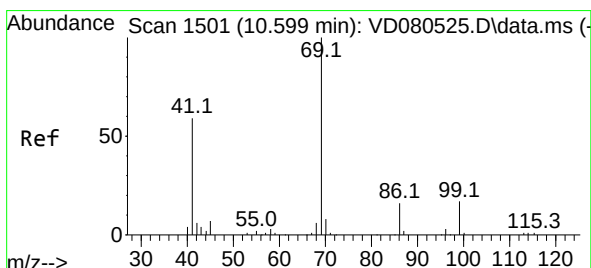
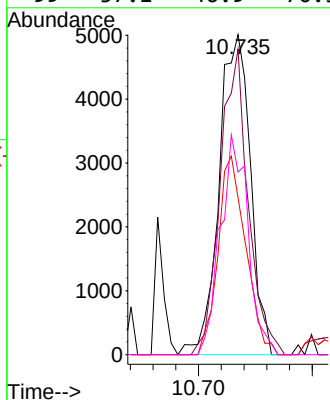
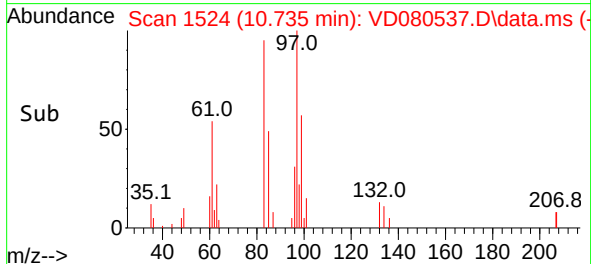
Instrument : MSVOA_D
ClientSampleId : VD080537.D
LOQ-SOIL-02-QT4-2025



Tgt Ion:	97	Resp:	960
Ion	Ratio	Lower	Upper
97	100		
83	95.5	66.3	99.5
85	49.1	43.8	65.8
99	57.1	46.9	70.3

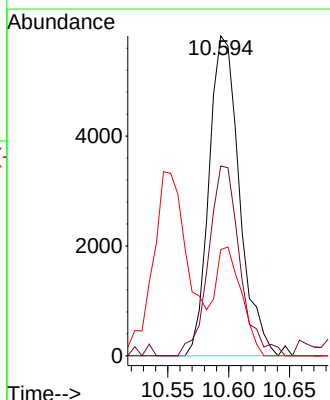
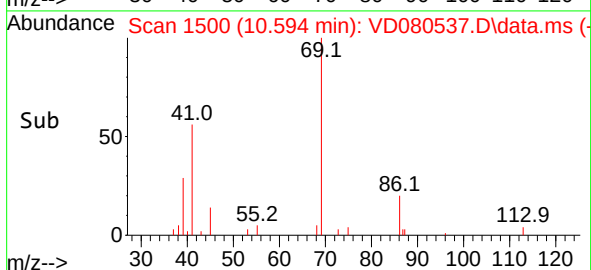
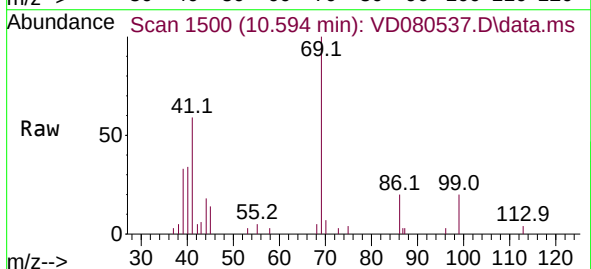
Manual Integrations
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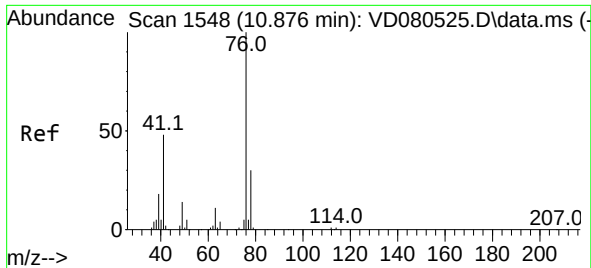
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#56
Ethyl methacrylate
Concen: 4.773 ug/l
RT: 10.594 min Scan# 1500
Delta R.T. -0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

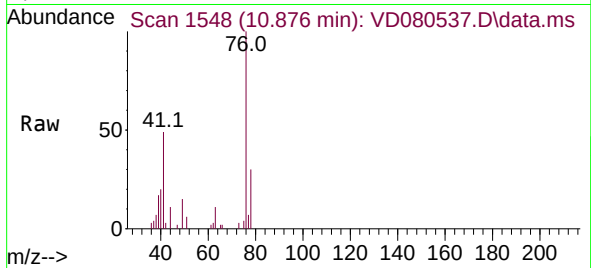
Tgt Ion:	69	Resp:	10099
Ion	Ratio	Lower	Upper
69	100		
41	61.3	49.6	74.4
39	29.4	23.5	35.3





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

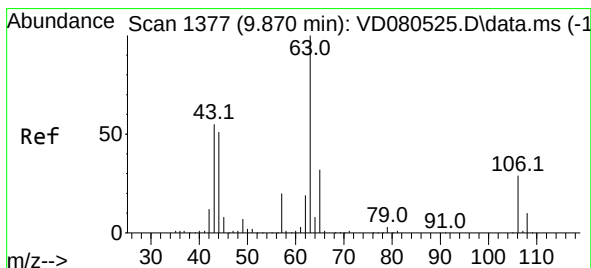
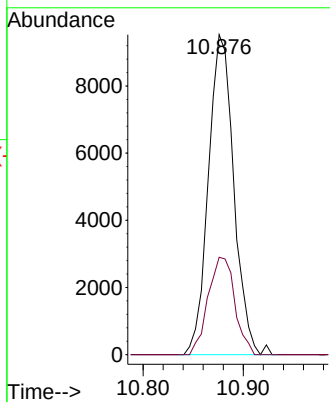
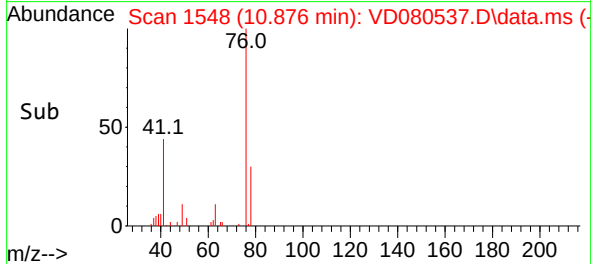
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2025



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

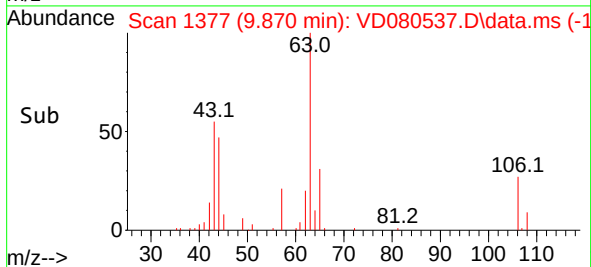
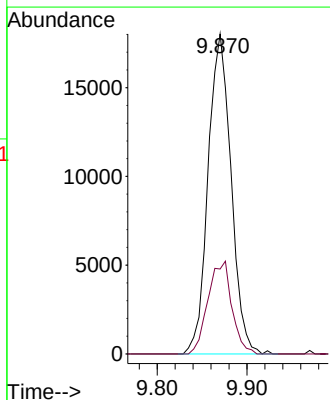
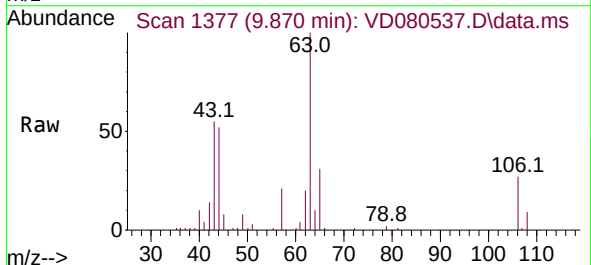
Manual Integrations
APPROVED

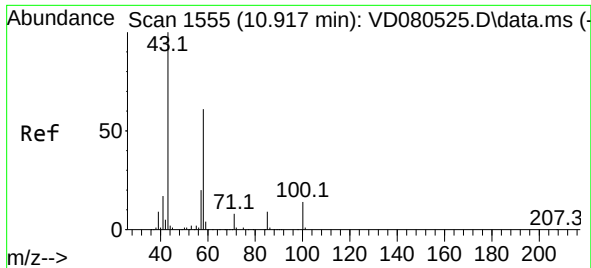
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



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

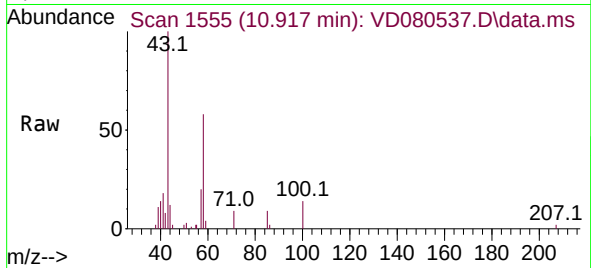
Tgt Ion: 63 Resp: 32056
Ion Ratio Lower Upper
63 100
106 30.0 22.6 33.8





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

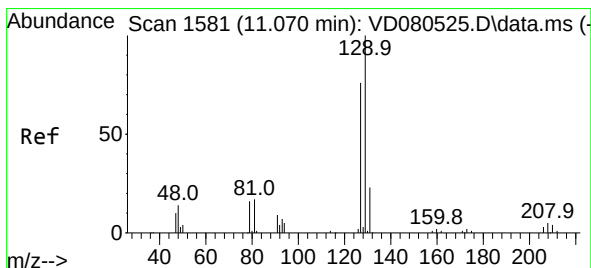
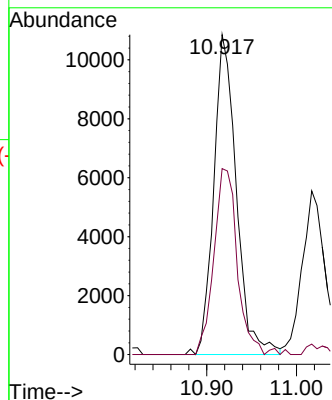
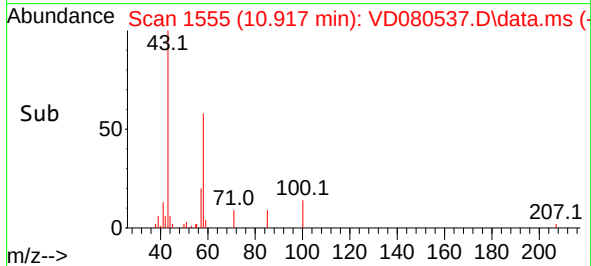
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025



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

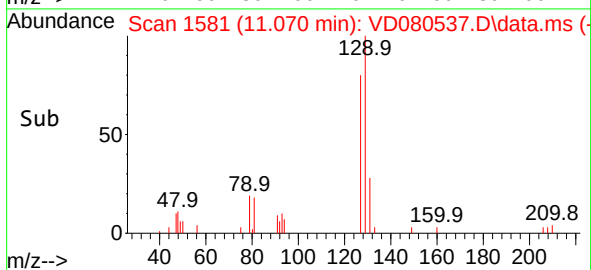
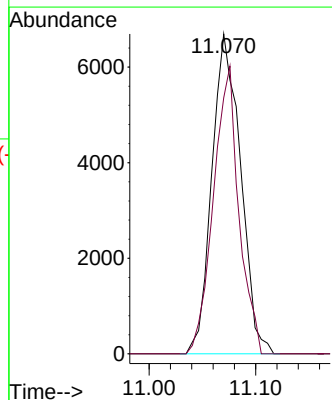
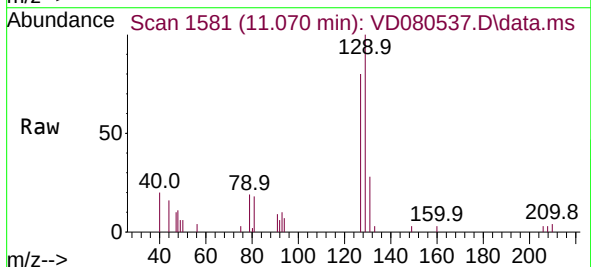
Manual Integrations
APPROVED

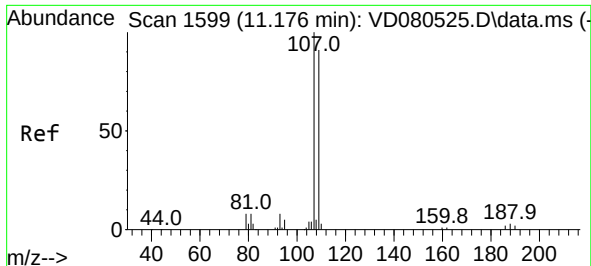
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



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

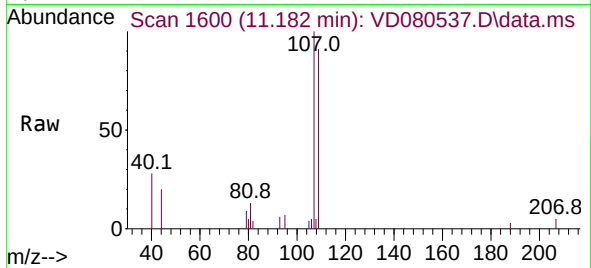
Tgt Ion:129 Resp: 12524
Ion Ratio Lower Upper
129 100
127 79.9 38.3 114.9





#61
1,2-Dibromoethane
Concen: 5.154 ug/l
RT: 11.182 min Scan# 1600
Delta R.T. 0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

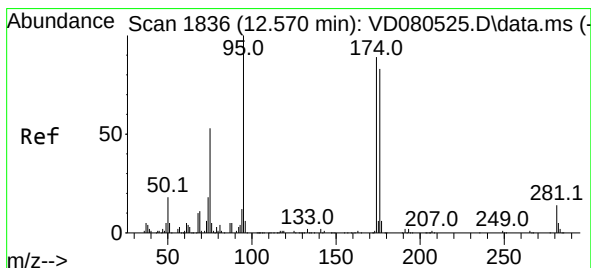
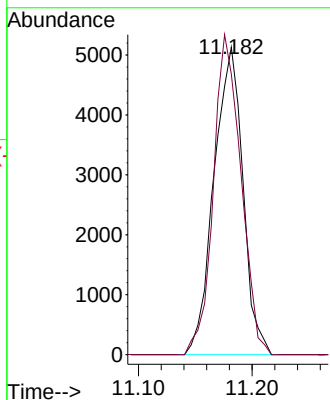
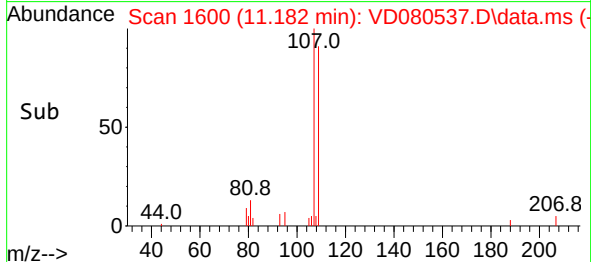
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025



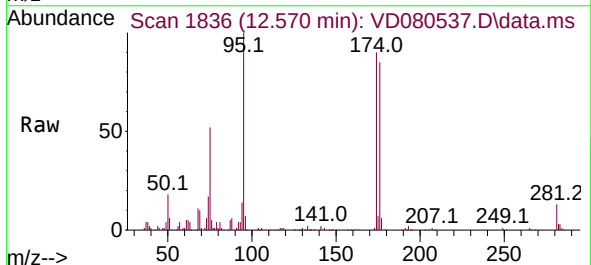
Tgt Ion:107 Resp: 9091
Ion Ratio Lower Upper
107 100
109 98.9 74.2 111.4

Manual Integrations
APPROVED

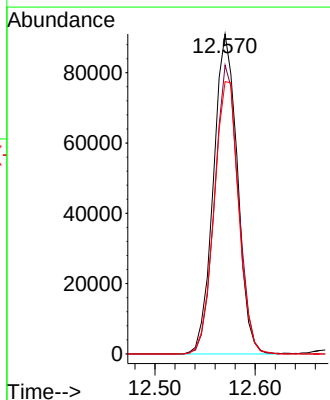
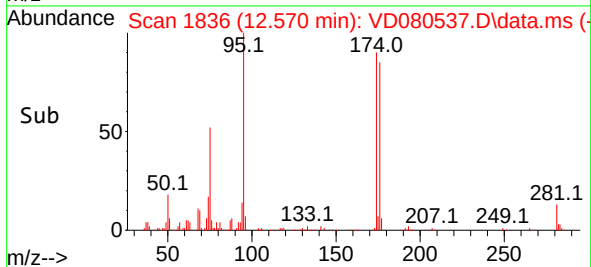
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

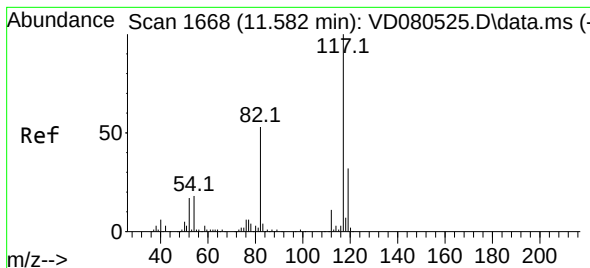


#62
4-Bromofluorobenzene
Concen: 48.863 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58



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





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.582 min Scan# 1668

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2025

Tgt Ion:117 Resp: 380539

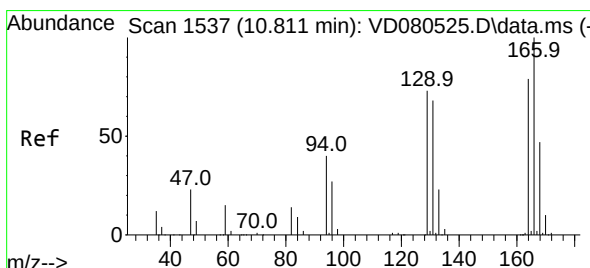
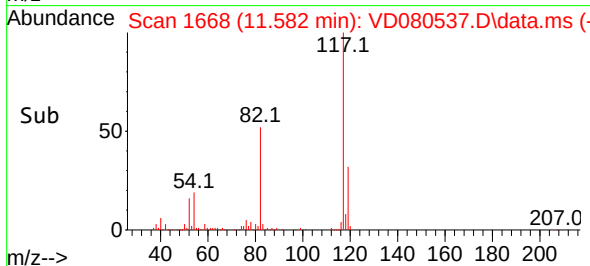
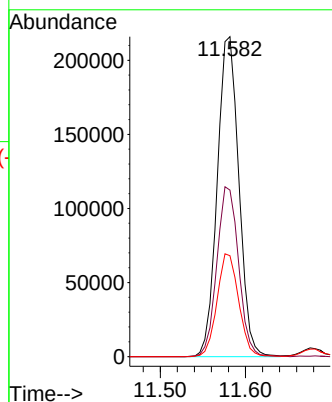
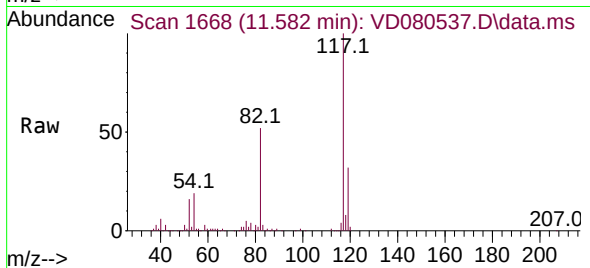
Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.1	63.1
119	31.5	25.4	38.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#64

Tetrachloroethene

Concen: 4.726 ug/l

RT: 10.811 min Scan# 1537

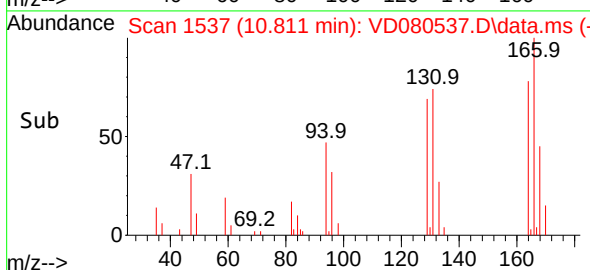
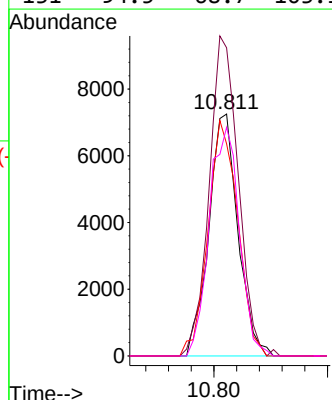
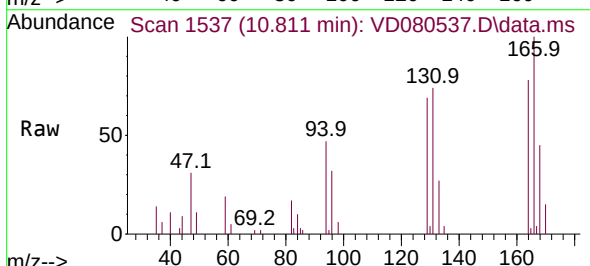
Delta R.T. 0.000 min

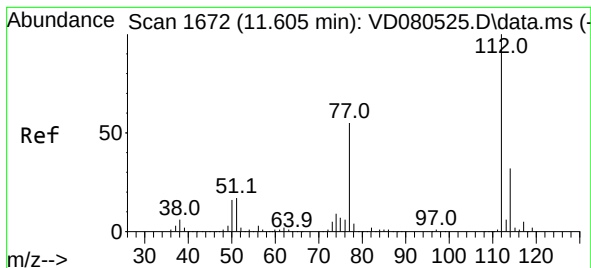
Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Tgt Ion:164 Resp: 12937

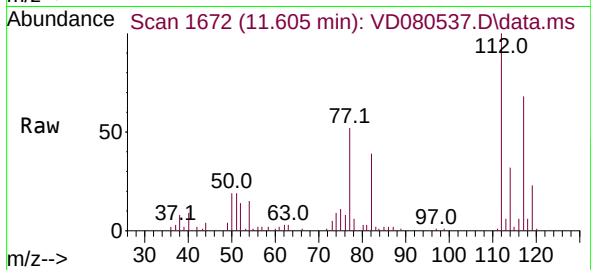
Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.2	151.8
129	87.7	74.0	111.0
131	94.5	68.7	103.1





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

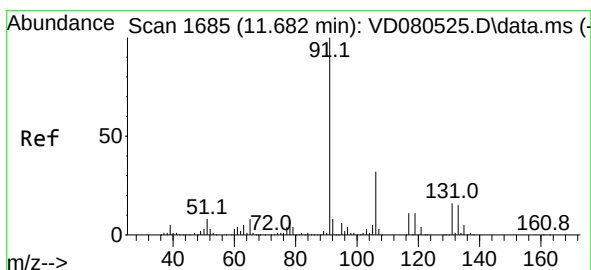
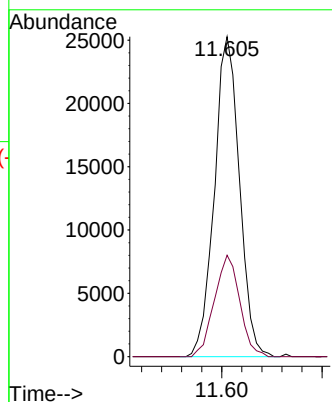
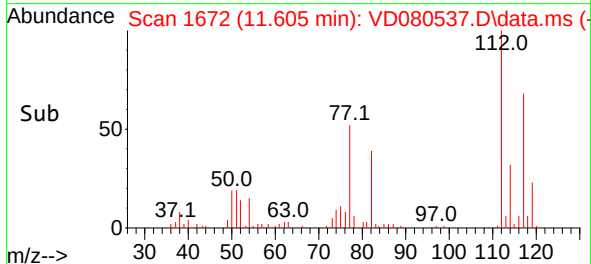
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025



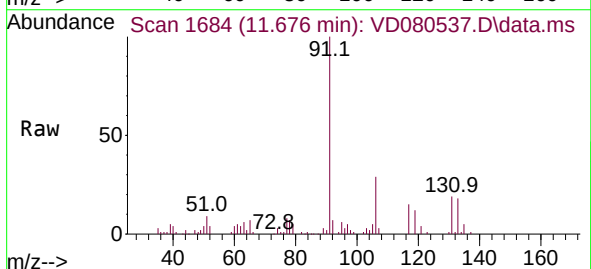
Tgt Ion:112 Resp: 43834
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0

Manual Integrations
APPROVED

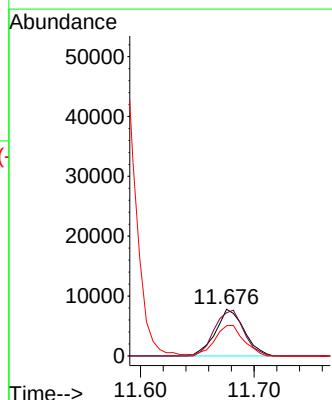
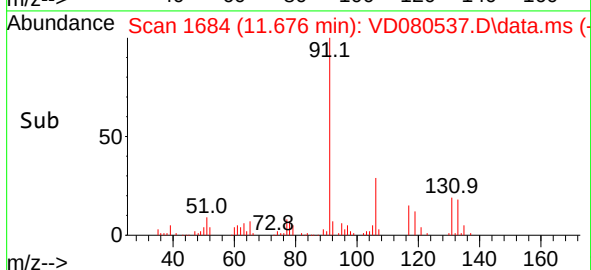
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

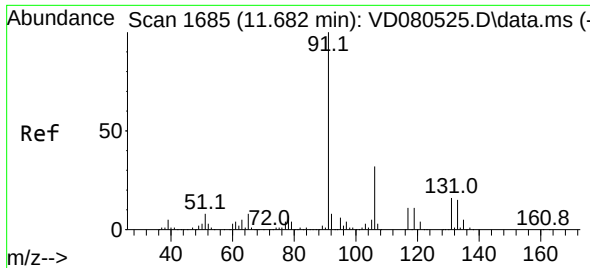


#66
1,1,1,2-Tetrachloroethane
Concen: 5.167 ug/l
RT: 11.676 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58



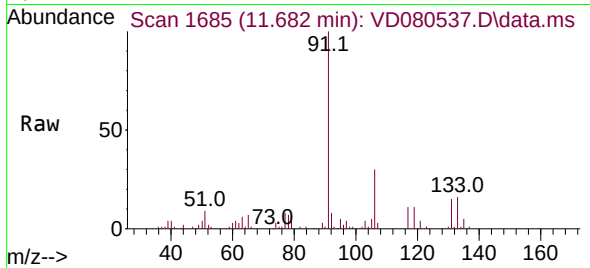
Tgt Ion:131 Resp: 13694
Ion Ratio Lower Upper
131 100
133 99.4 47.3 141.8
119 65.2 34.4 103.2





#67
Ethyl Benzene
Concen: 4.920 ug/l
RT: 11.682 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

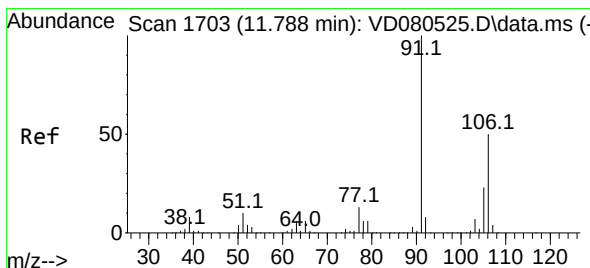
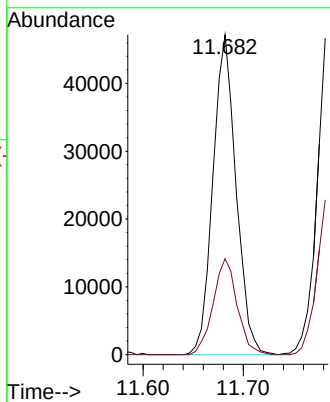
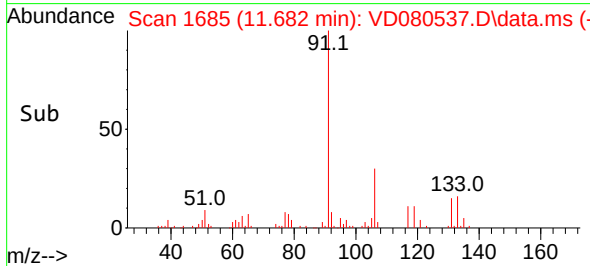
Instrument : MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025



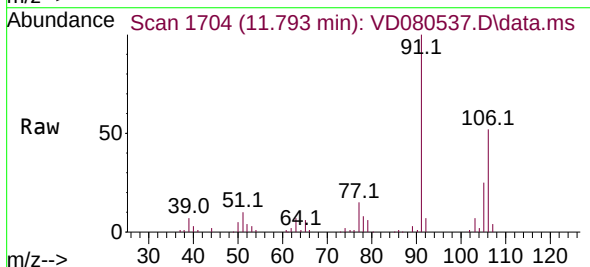
Tgt Ion: 91 Resp: 75563
Ion Ratio Lower Upper
91 100
106 30.0 25.4 38.0

Manual Integrations
APPROVED

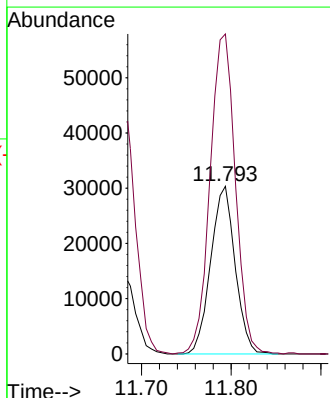
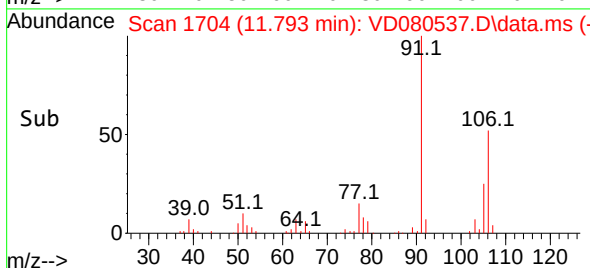
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

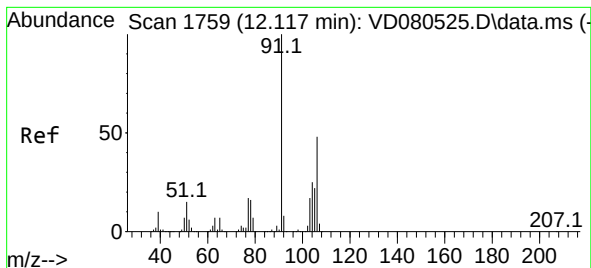


#68
m/p-Xylenes
Concen: 9.801 ug/l
RT: 11.793 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58



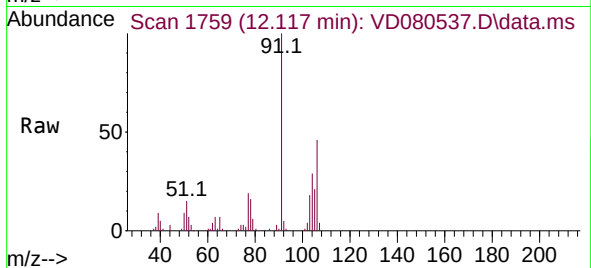
Tgt Ion:106 Resp: 57573
Ion Ratio Lower Upper
106 100
91 197.9 158.7 238.1





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

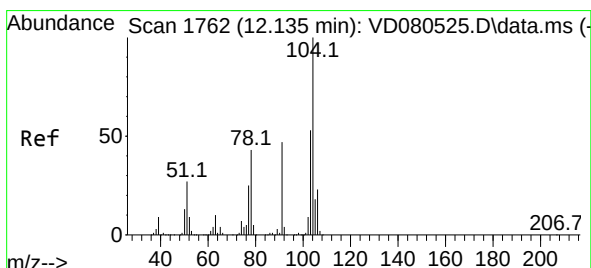
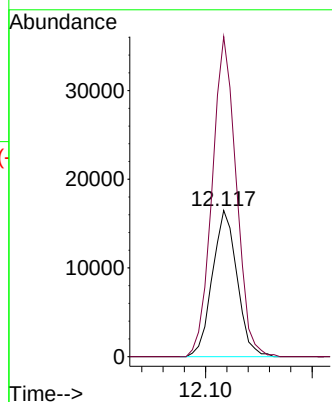
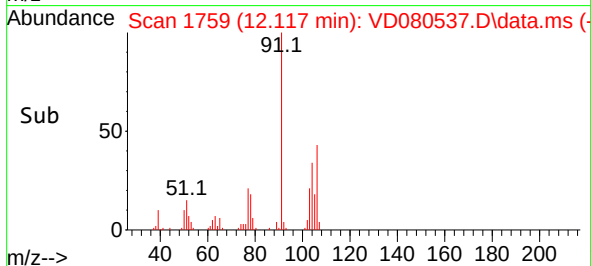
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025



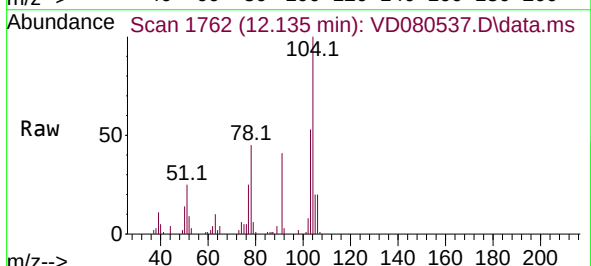
Tgt Ion:106 Resp: 26484
Ion Ratio Lower Upper
106 100
91 213.7 105.8 317.3

Manual Integrations
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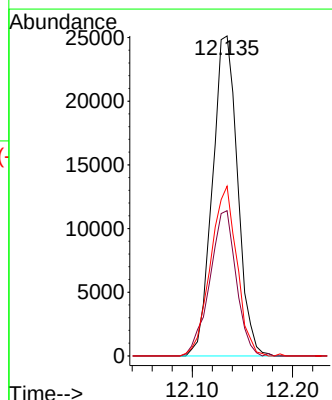
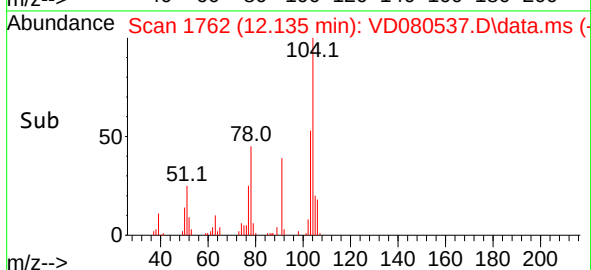
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

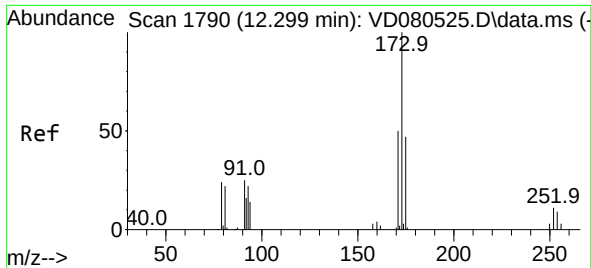


#70
Styrene
Concen: 4.897 ug/l
RT: 12.135 min Scan# 1762
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58



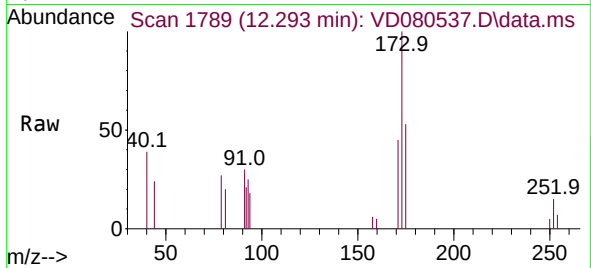
Tgt Ion:104 Resp: 43896
Ion Ratio Lower Upper
104 100
78 47.5 37.8 56.8
103 55.4 43.8 65.8





#71
Bromoform
Concen: 5.215 ug/l
RT: 12.293 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

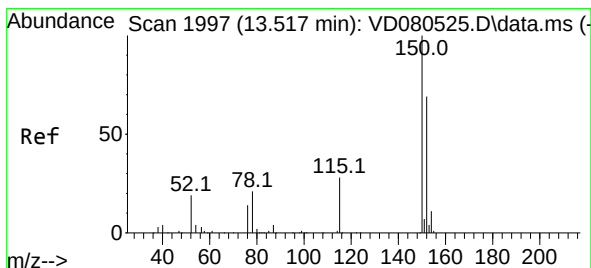
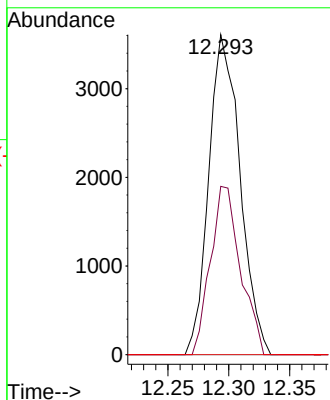
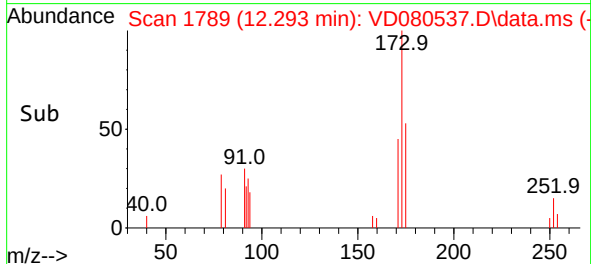
Instrument : MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025



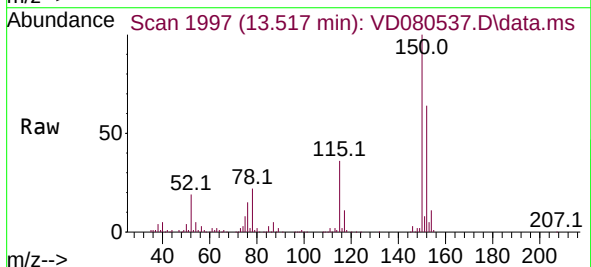
Tgt Ion:173 Resp: 6456
Ion Ratio Lower Upper
173 100
175 50.4 24.1 72.2
254 0.0 0.0 0.0

Manual Integrations
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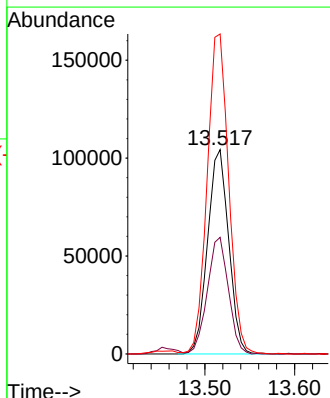
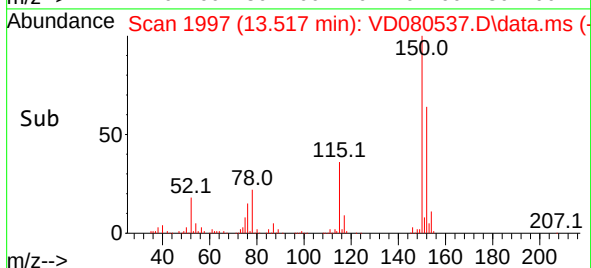
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

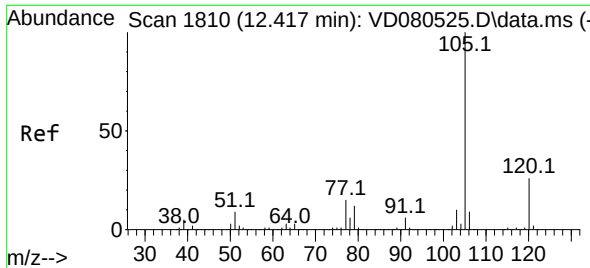


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58



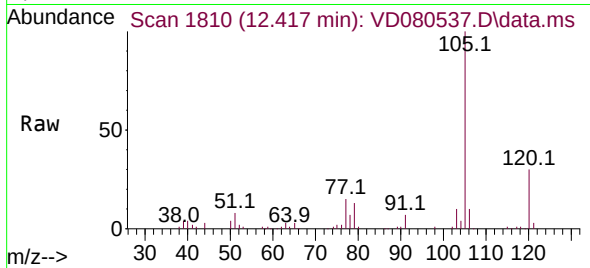
Tgt Ion:152 Resp: 170133
Ion Ratio Lower Upper
152 100
115 57.0 28.1 84.3
150 159.5 0.0 345.6





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

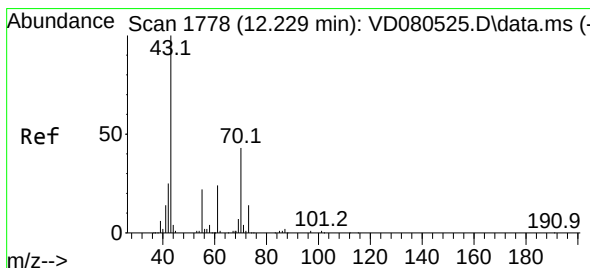
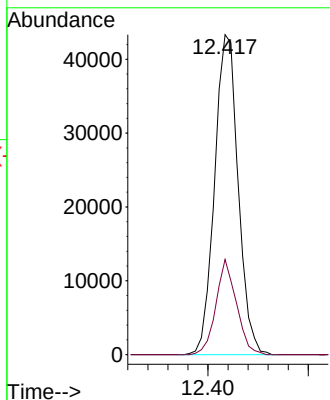
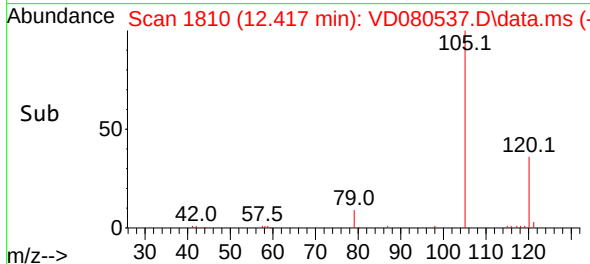
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2025



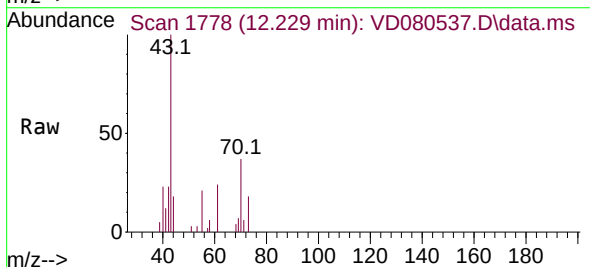
Tgt Ion:105 Resp: 70766
Ion Ratio Lower Upper
105 100
120 25.9 13.4 40.2

Manual Integrations
APPROVED

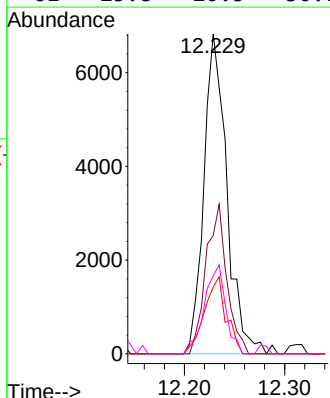
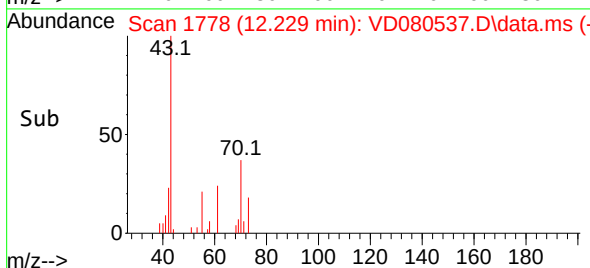
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

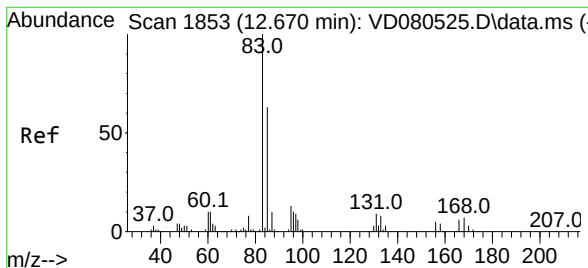


#74
N-ethyl acetate
Concen: 4.865 ug/l
RT: 12.229 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58



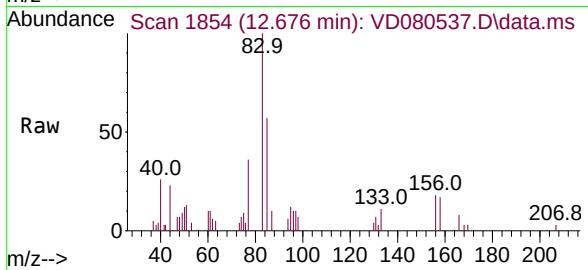
Tgt Ion: 43 Resp: 10891
Ion Ratio Lower Upper
43 100
70 42.2 35.2 52.8
55 22.7 18.4 27.6
61 25.8 20.5 30.7





#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.237 ug/l
 RT: 12.676 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VD080537.D
 Acq: 18 Nov 2025 12:58

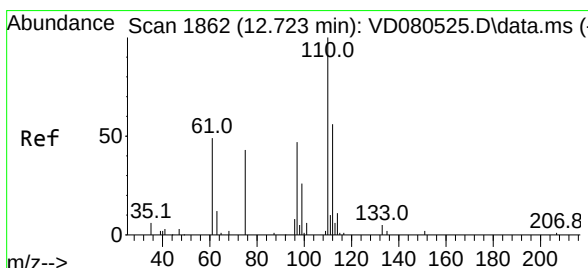
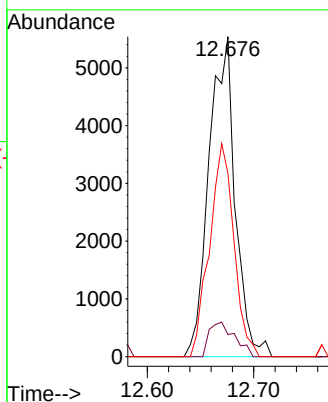
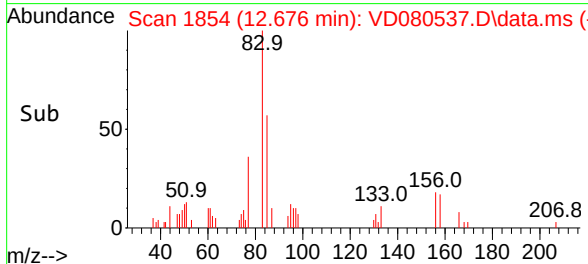
Instrument : MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025



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

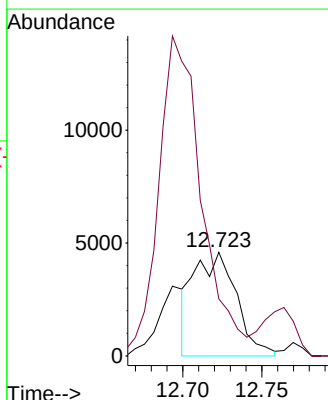
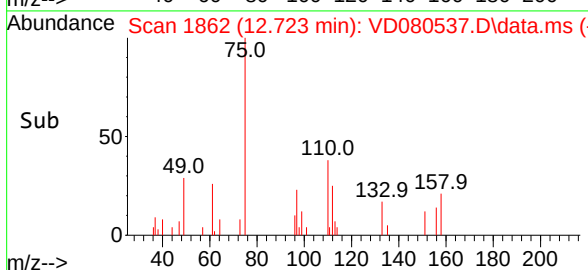
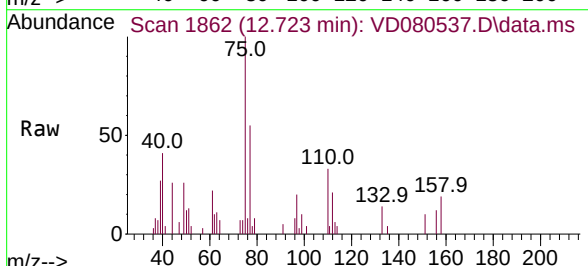
Manual Integrations
 APPROVED

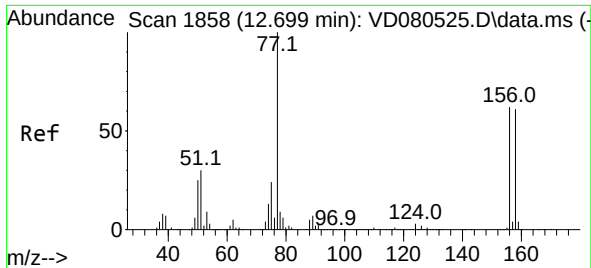
Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#76
 1,2,3-Trichloropropane
 Concen: 6.448 ug/l m
 RT: 12.723 min Scan# 1862
 Delta R.T. 0.000 min
 Lab File: VD080537.D
 Acq: 18 Nov 2025 12:58

Tgt Ion: 75 Resp: 8544
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





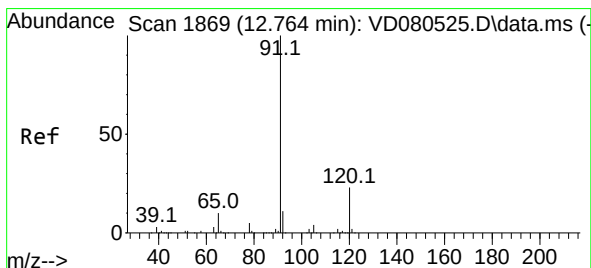
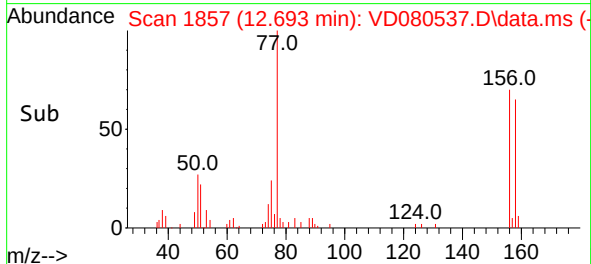
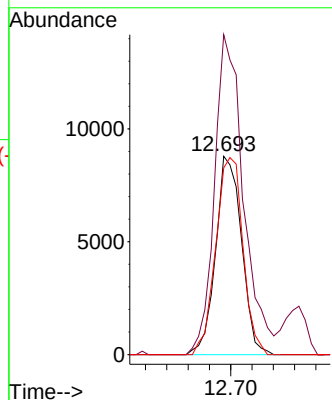
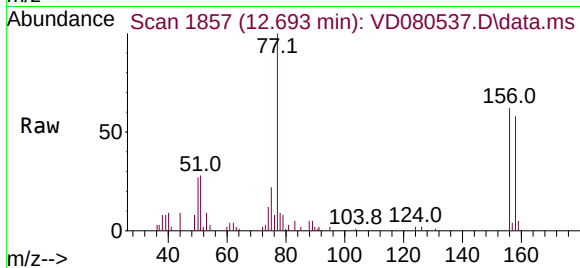
#77
Bromobenzene
Concen: 4.850 ug/l
RT: 12.693 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

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

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

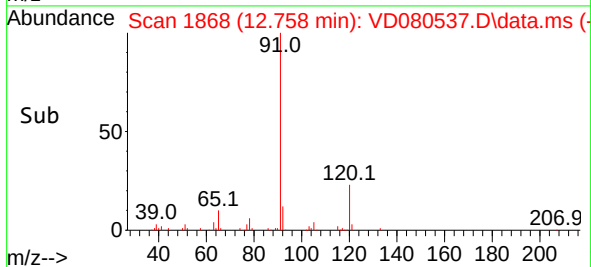
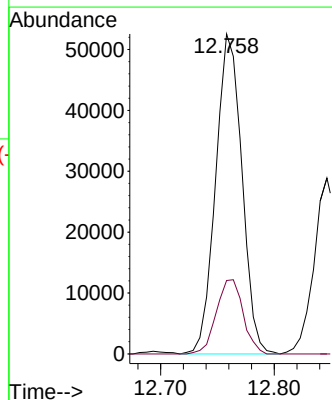
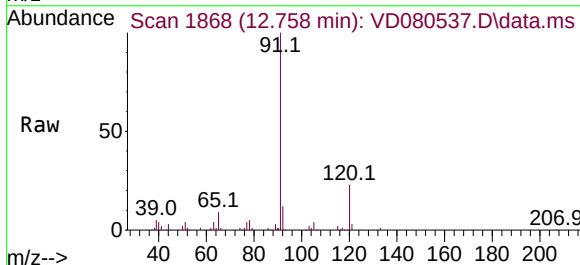
Manual Integrations
APPROVED

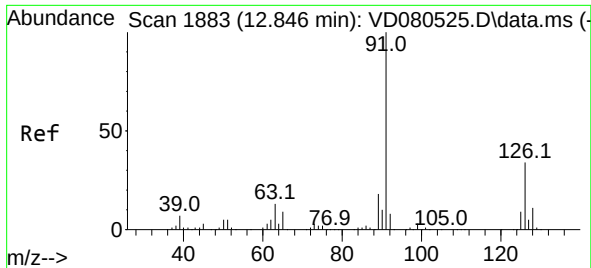
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



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

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





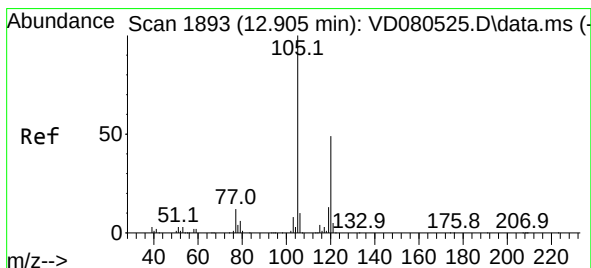
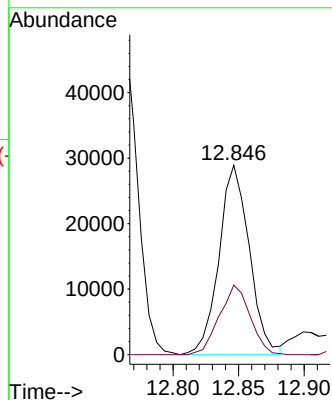
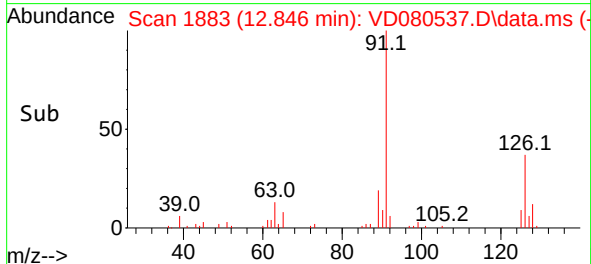
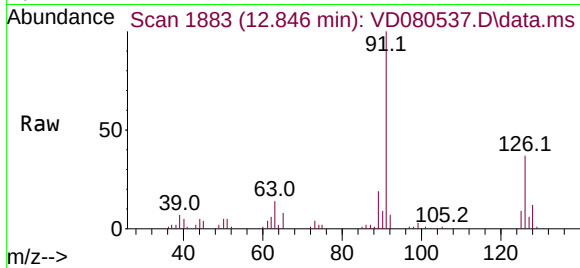
#79
2-Chlorotoluene
Concen: 4.893 ug/l
RT: 12.846 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

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

Tgt Ion: 91 Resp: 46632
Ion Ratio Lower Upper
91 100
126 37.0 17.4 52.2

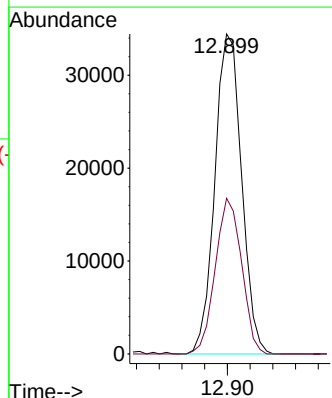
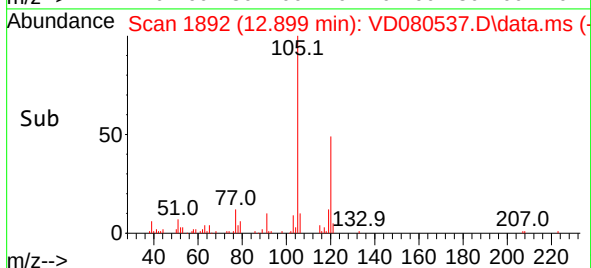
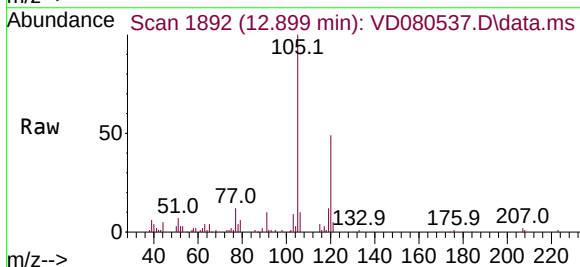
Manual Integrations
APPROVED

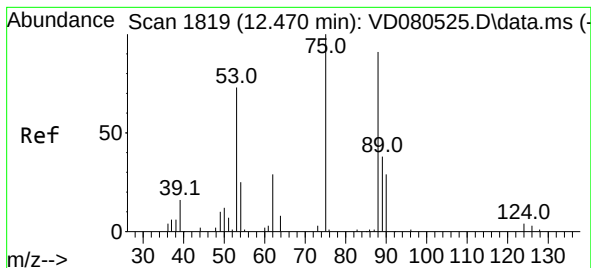
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#80
1,3,5-Trimethylbenzene
Concen: 4.934 ug/l
RT: 12.899 min Scan# 1892
Delta R.T. -0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

Tgt Ion:105 Resp: 56332
Ion Ratio Lower Upper
105 100
120 47.8 24.6 74.0





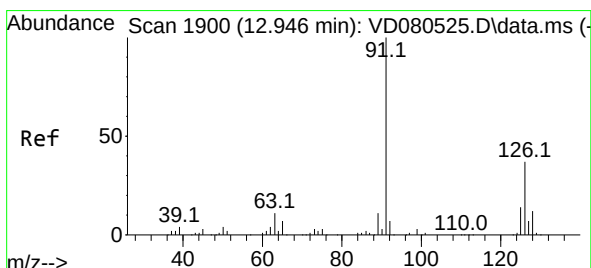
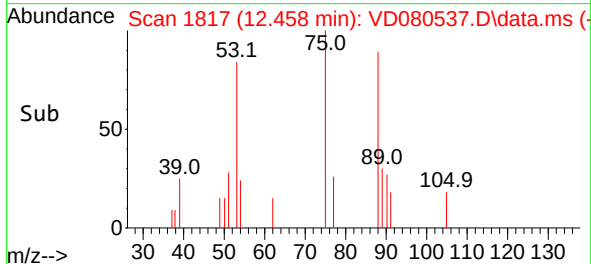
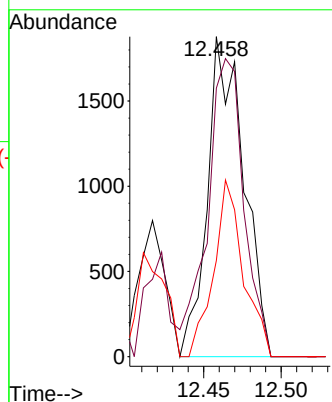
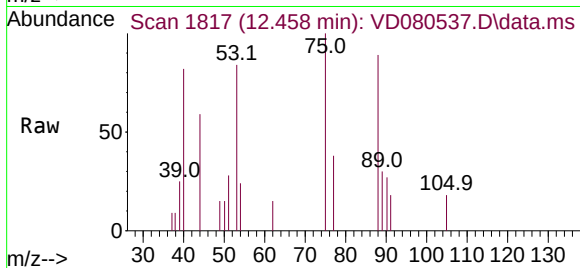
#81
trans-1,4-Dichloro-2-butene
Concen: 4.395 ug/l
RT: 12.458 min Scan# 1819
Delta R.T. -0.012 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

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

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

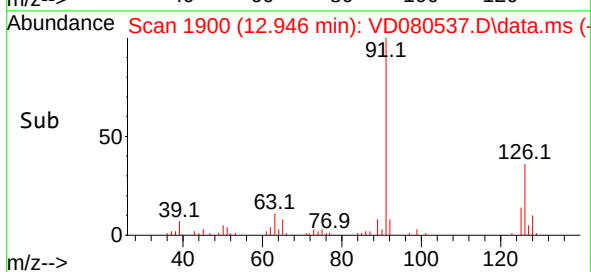
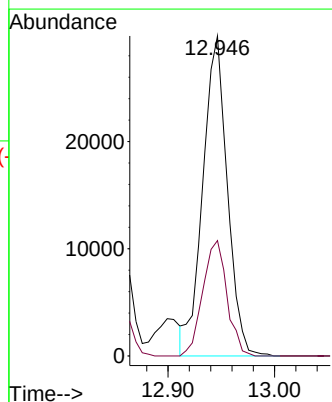
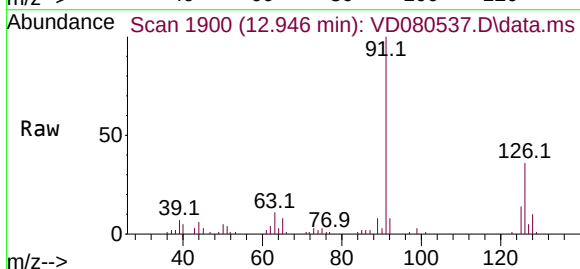
Manual Integrations
APPROVED

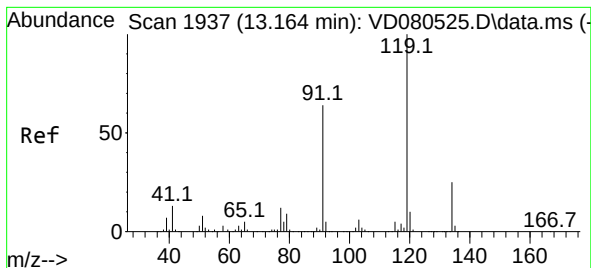
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



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

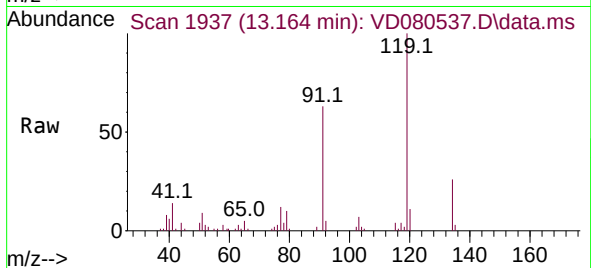
Tgt Ion: 91 Resp: 47688
Ion Ratio Lower Upper
91 100
126 35.5 17.4 52.2





#83
tert-Butylbenzene
Concen: 4.871 ug/l
RT: 13.164 min Scan# 1937
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

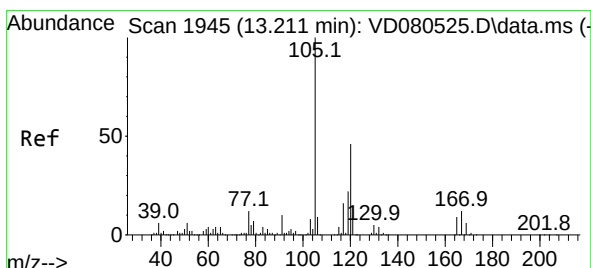
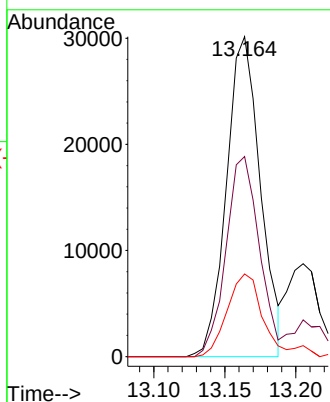
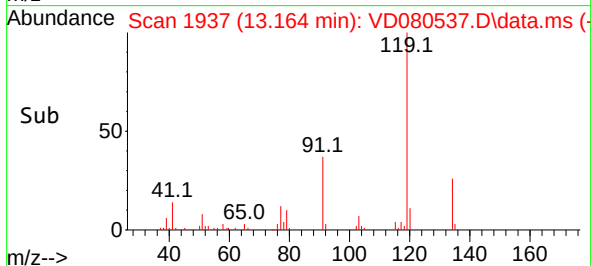
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2025



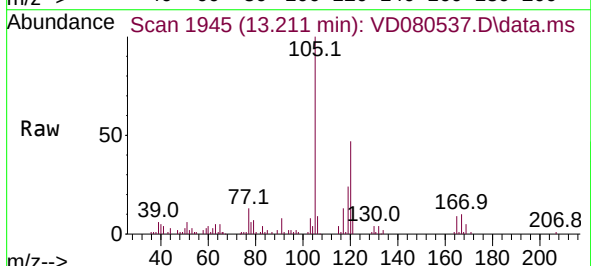
Tgt Ion:119 Resp: 50004
Ion Ratio Lower Upper
119 100
91 62.9 30.4 91.3
134 26.4 13.1 39.3

Manual Integrations
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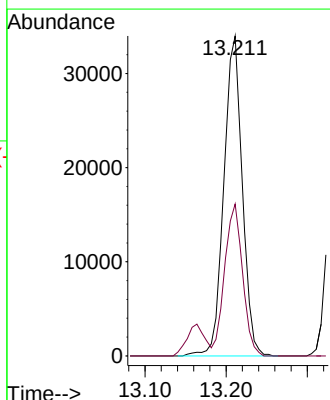
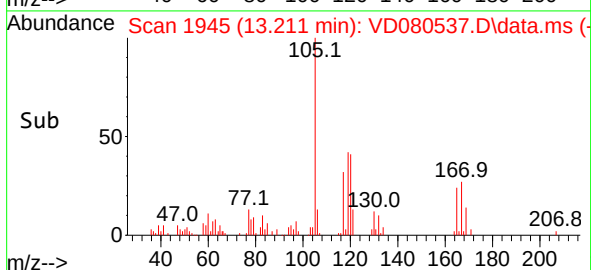
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

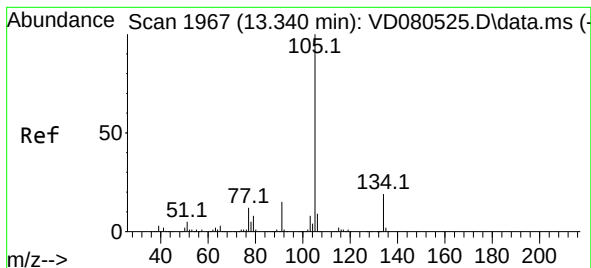


#84
1,2,4-Trimethylbenzene
Concen: 4.764 ug/l
RT: 13.211 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58



Tgt Ion:105 Resp: 53517
Ion Ratio Lower Upper
105 100
120 46.2 22.7 68.1





#85

sec-Butylbenzene

Concen: 5.034 ug/l

RT: 13.340 min Scan# 1967

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2025

Tgt Ion:105 Resp: 76502

Ion Ratio Lower Upper

105 100

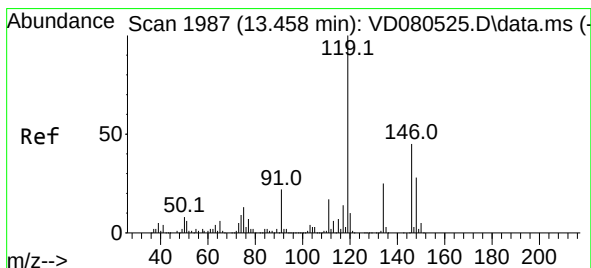
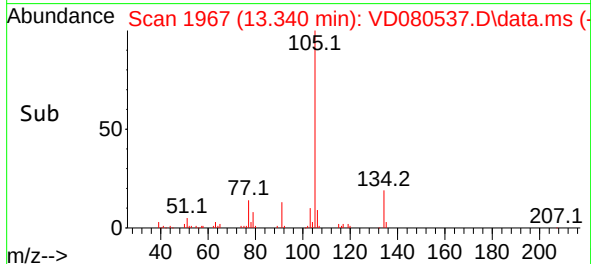
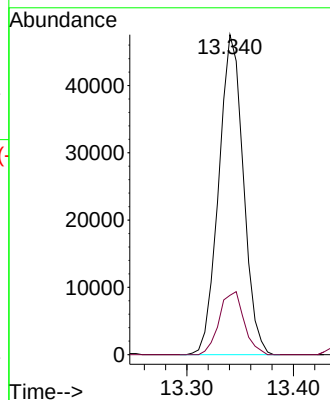
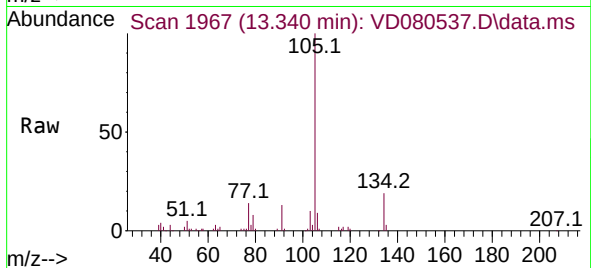
134 19.8 10.0 30.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#86

p-Isopropyltoluene

Concen: 4.839 ug/l

RT: 13.458 min Scan# 1987

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

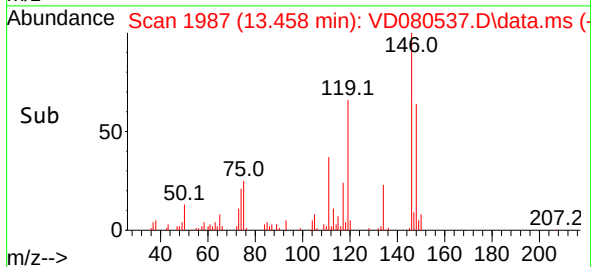
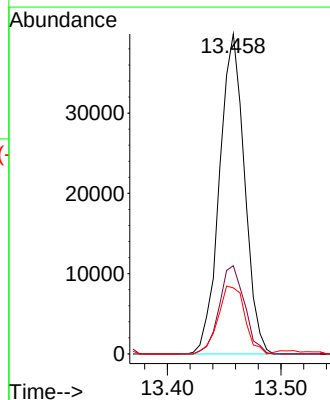
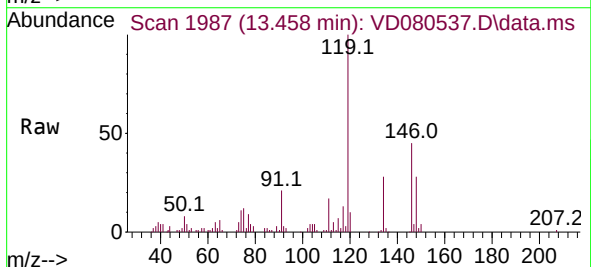
Tgt Ion:119 Resp: 60984

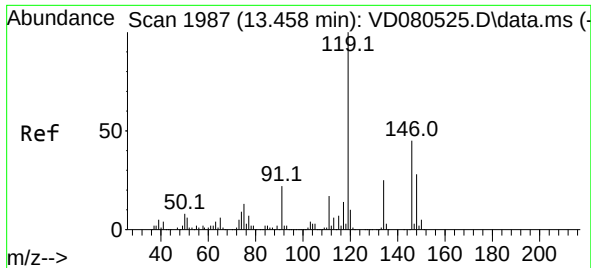
Ion Ratio Lower Upper

119 100

134 27.9 12.8 38.4

91 22.7 11.1 33.1





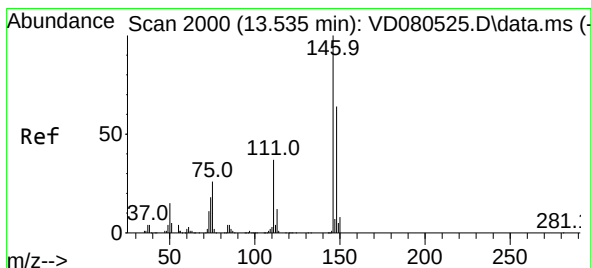
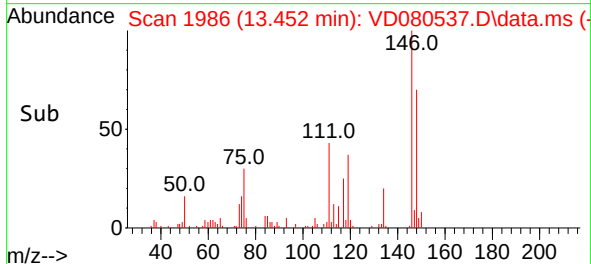
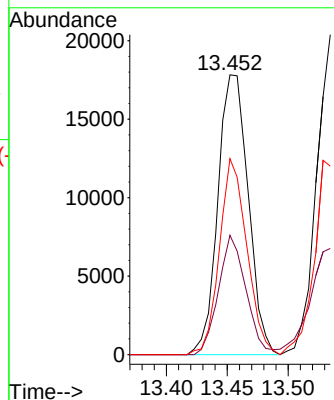
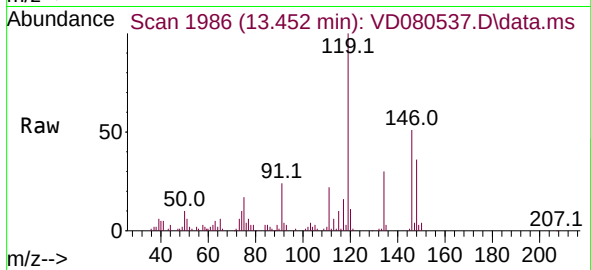
#87
1,3-Dichlorobenzene
Concen: 5.080 ug/l
RT: 13.452 min Scan# 1987
Delta R.T. -0.006 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

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

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

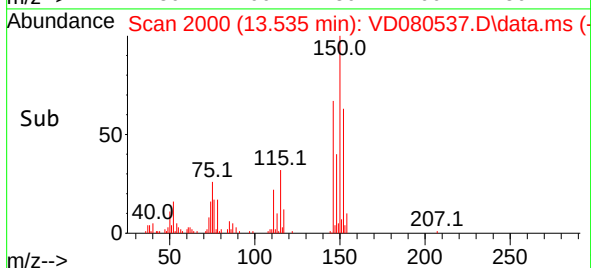
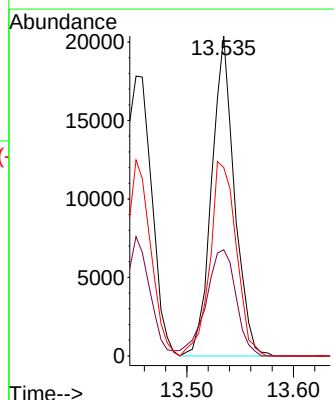
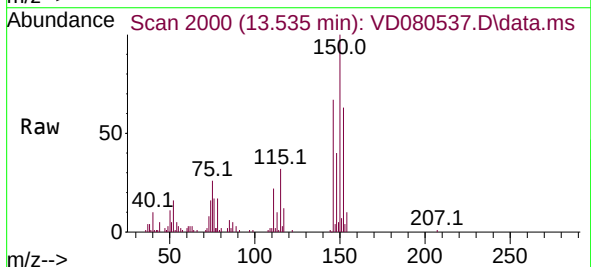
Manual Integrations
APPROVED

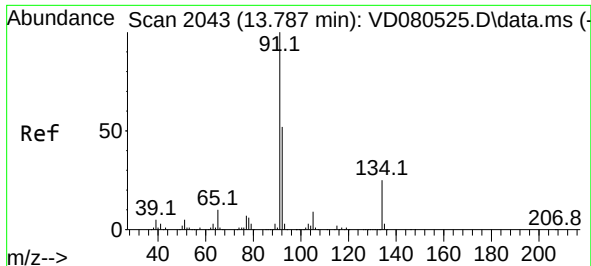
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



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

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





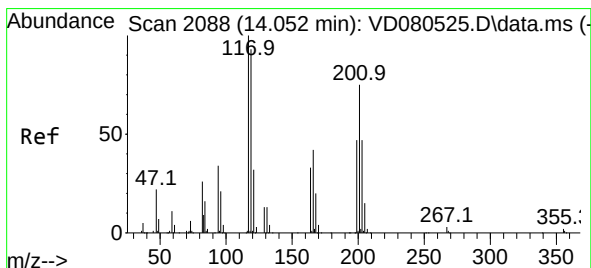
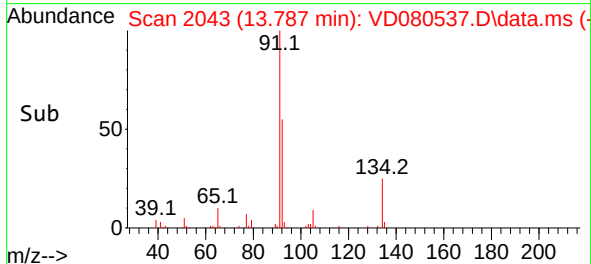
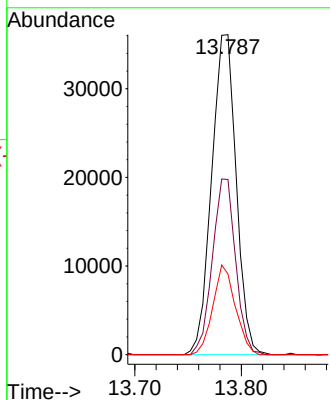
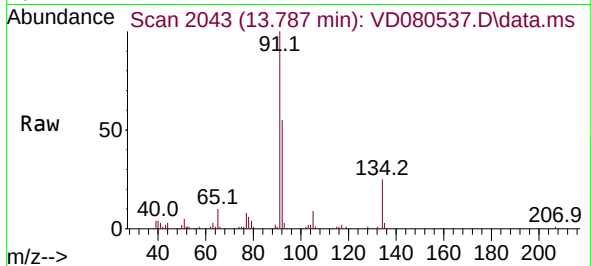
#89
n-Butylbenzene
Concen: 4.826 ug/l
RT: 13.787 min Scan# 2043
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

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

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

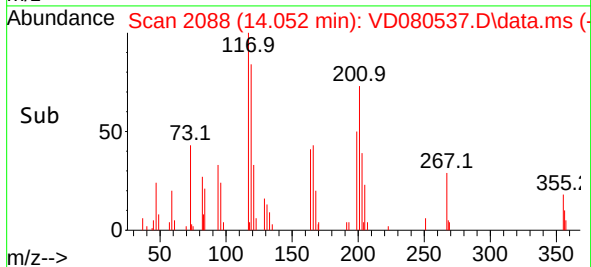
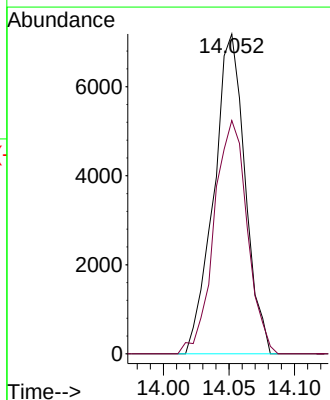
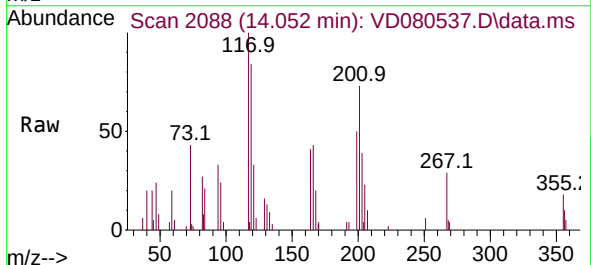
Manual Integrations
APPROVED

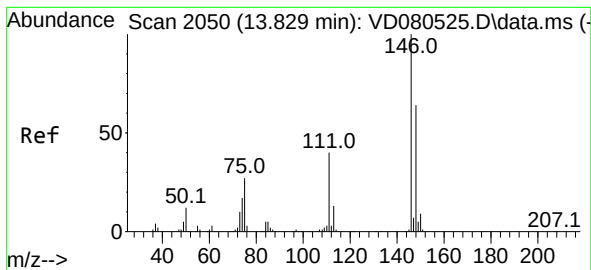
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



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

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





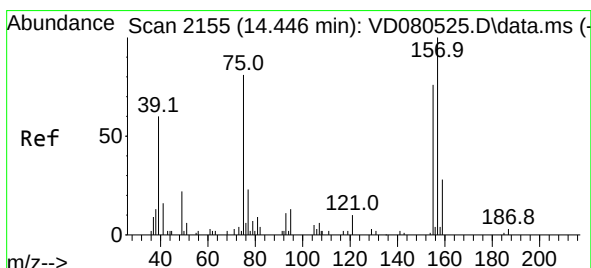
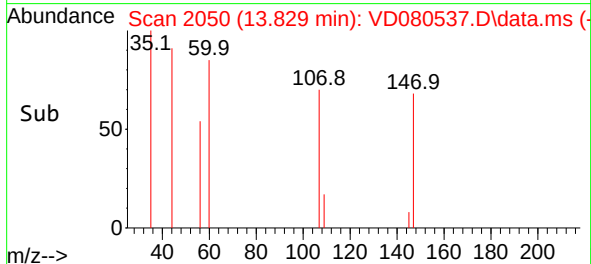
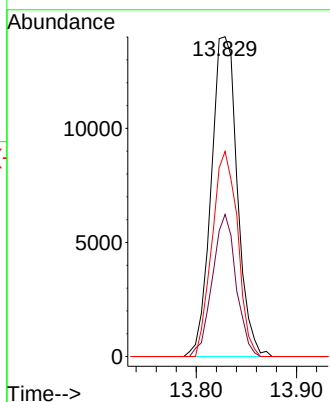
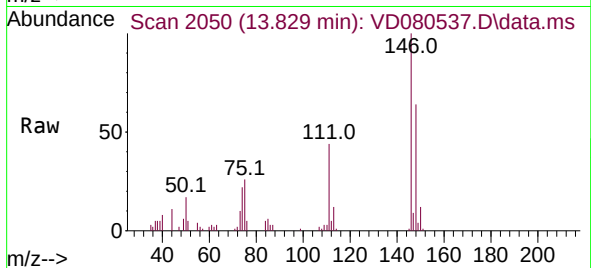
#91
1,2-Dichlorobenzene
Concen: 5.043 ug/l
RT: 13.829 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VD080537.D
Acq: 18 Nov 2025 12:58

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

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

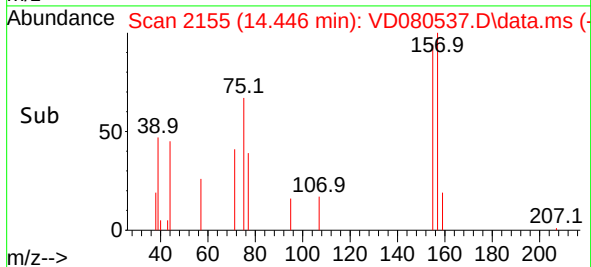
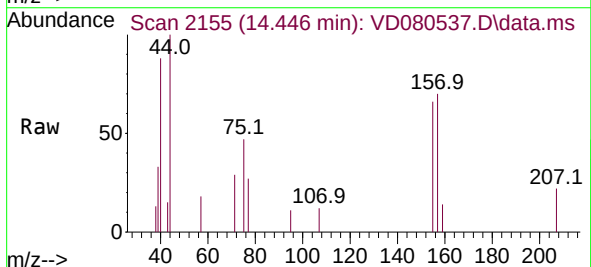
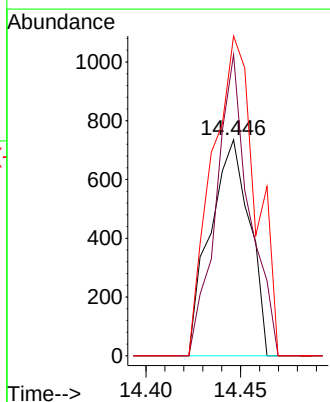
Manual Integrations
APPROVED

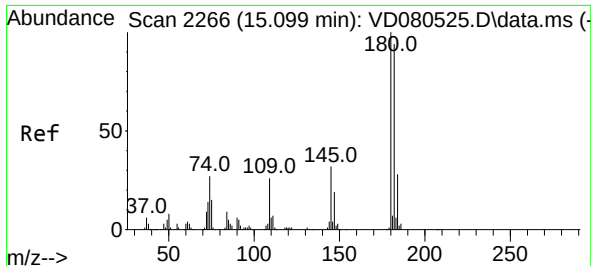
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



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

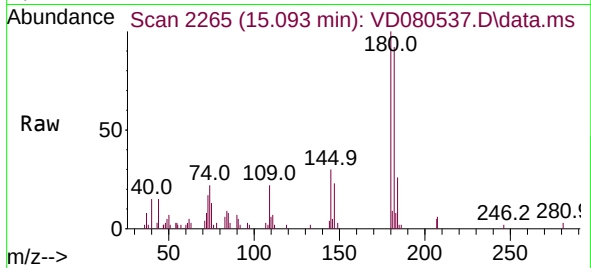
Tgt Ion: 75 Resp: 1065
Ion Ratio Lower Upper
75 100
155 116.9 46.4 139.2
157 163.0 59.6 178.7





#93
 1,2,4-Trichlorobenzene
 Concen: 5.192 ug/l
 RT: 15.093 min Scan# 2266
 Delta R.T. -0.006 min
 Lab File: VD080537.D
 Acq: 18 Nov 2025 12:58

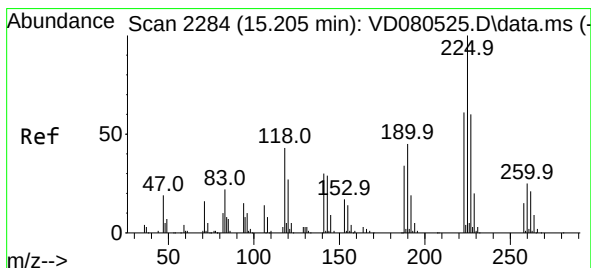
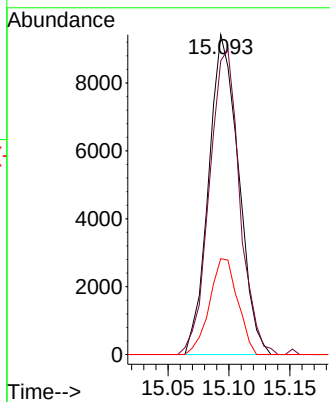
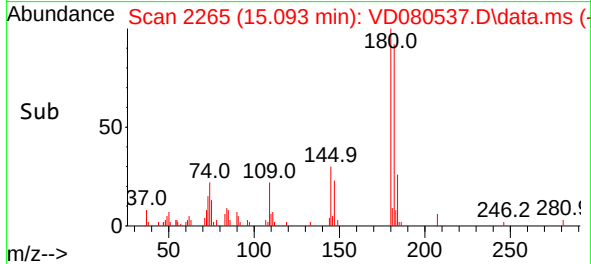
Instrument : MSVOA_D
 ClientSampleId : LOQ-SOIL-02-QT4-2025



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

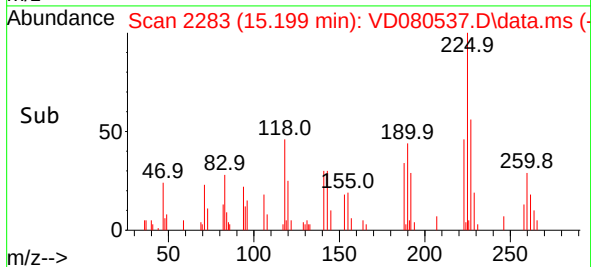
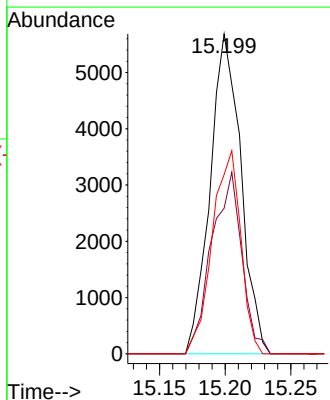
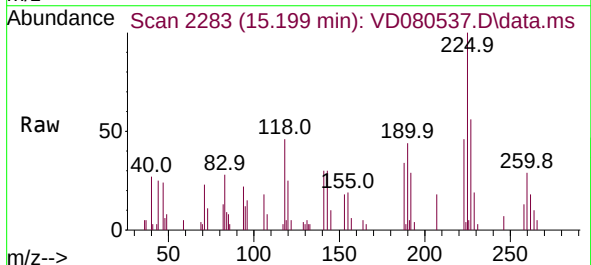
Manual Integrations
 APPROVED

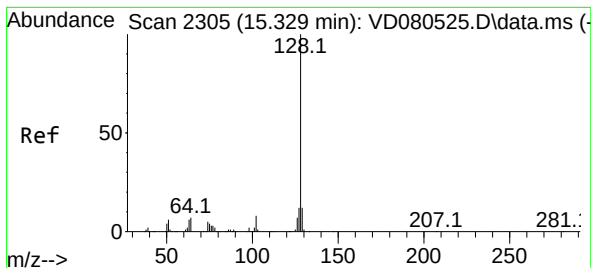
Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



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

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





#95

Naphthalene

Concen: 5.009 ug/l

RT: 15.329 min Scan# 2305

Delta R.T. 0.000 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2025

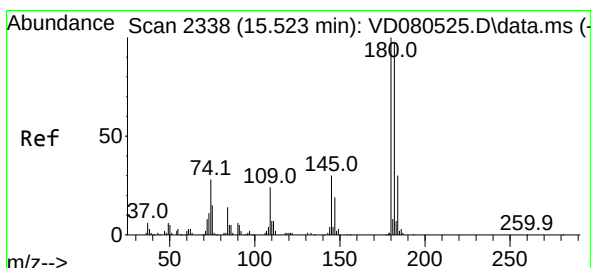
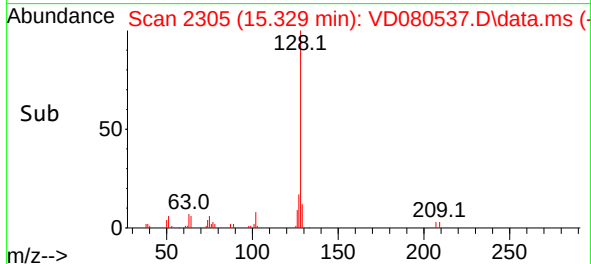
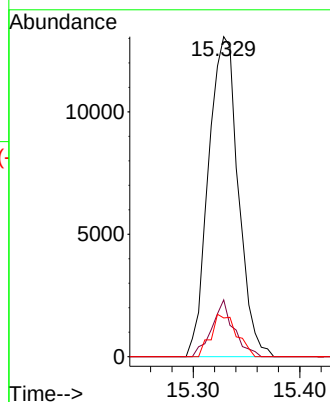
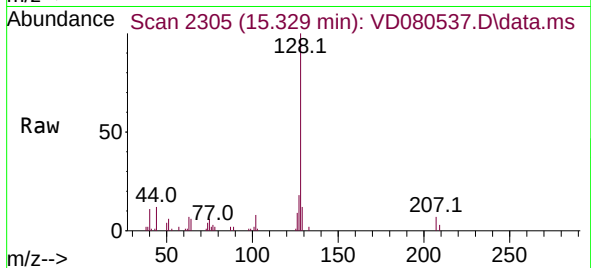
Tgt Ion:128	Resp:	2533
Ion Ratio	Lower	Upper
128	100	
127	17.7	9.8 14.6
129	12.1	9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#96

1,2,3-Trichlorobenzene

Concen: 5.251 ug/l

RT: 15.511 min Scan# 2336

Delta R.T. -0.012 min

Lab File: VD080537.D

Acq: 18 Nov 2025 12:58

Tgt Ion:180	Resp:	13224
Ion Ratio	Lower	Upper
180	100	
182	94.3	48.4 145.2
145	32.9	15.9 47.6

