

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101424\
 Data File : VD079976.D
 Acq On : 14 Oct 2024 13:48
 Operator : RP/MD
 Sample : P4368-02
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Quant Time: Oct 15 03:12:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101124S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 03:20:54 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024
 Supervised By :Semsettin Yesilyurt 10/15/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	142236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	234611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	216592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	110294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	86457	53.435	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.860%			
35) Dibromofluoromethane	7.810	113	92034	54.350	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.700%			
50) Toluene-d8	10.269	98	309625	51.311	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.620%			
62) 4-Bromofluorobenzene	12.575	95	102121	48.480	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	6762	4.837	ug/l	95
3) Chloromethane	2.146	50	6316	4.399	ug/l	96
4) Vinyl Chloride	2.281	62	8049	4.509	ug/l	97
5) Bromomethane	2.699	94	8319	5.417	ug/l	97
6) Chloroethane	2.840	64	5126	4.206	ug/l #	75
7) Trichlorofluoromethane	3.175	101	13694	4.896	ug/l	89
8) Diethyl Ether	3.599	74	3551	4.622	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.969	101	8789	5.116	ug/l	96
10) Methyl Iodide	4.175	142	7558	4.487	ug/l #	94
11) Tert butyl alcohol	5.046	59	2761	27.899	ug/l #	82
12) 1,1-Dichloroethene	3.946	96	7382	4.830	ug/l	97
13) Acrolein	3.799	56	3293	31.034	ug/l	99
14) Allyl chloride	4.558	41	11205	4.936	ug/l	93
15) Acrylonitrile	5.263	53	9521	25.935	ug/l	93
16) Acetone	4.028	43	10247	24.433	ug/l	91
17) Carbon Disulfide	4.269	76	17870	4.195	ug/l #	94
18) Methyl Acetate	4.569	43	5016	5.572	ug/l #	79
19) Methyl tert-butyl Ether	5.322	73	16984	4.812	ug/l #	88
20) Methylene Chloride	4.799	84	13881	4.111	ug/l	93
21) trans-1,2-Dichloroethene	5.310	96	7931	4.833	ug/l	92
22) Diisopropyl ether	6.216	45	20742	4.213	ug/l #	85
23) Vinyl Acetate	6.157	43	58397	21.113	ug/l	99
24) 1,1-Dichloroethane	6.116	63	16411	5.060	ug/l #	92
25) 2-Butanone	7.087	43	12984	25.425	ug/l	96
26) 2,2-Dichloropropane	7.081	77	15317	5.458	ug/l	94
27) cis-1,2-Dichloroethene	7.081	96	9825	4.815	ug/l	91
28) Bromochloromethane	7.434	49	7918	5.720	ug/l	97
29) Tetrahydrofuran	7.452	42	6755	24.733	ug/l #	81
30) Chloroform	7.599	83	18221	5.304	ug/l	97
31) Cyclohexane	7.881	56	13062	5.313	ug/l #	62
32) 1,1,1-Trichloroethane	7.793	97	14822	5.208	ug/l	98
36) 1,1-Dichloropropene	8.010	75	10214	4.500	ug/l	96
37) Ethyl Acetate	7.163	43	5389	4.905	ug/l #	93
38) Carbon Tetrachloride	7.993	117	11953	4.739	ug/l	97
39) Methylcyclohexane	9.275	83	10549	4.142	ug/l	90
40) Benzene	8.252	78	33678	4.692	ug/l	94

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Manual Integrations
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Reviewed By :Mahesh Dadoda 10/15/2024
 Supervised By :Semsettin Yesilyurt 10/15/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	2460	4.263	ug/l #	84
42) 1,2-Dichloroethane	8.322	62	10336	5.237	ug/l	97
43) Isopropyl Acetate	8.363	43	9957	4.919	ug/l	95
44) Trichloroethene	9.028	130	8461	4.766	ug/l	93
45) 1,2-Dichloropropane	9.304	63	8267	4.542	ug/l	93
46) Dibromomethane	9.399	93	4903	4.883	ug/l	96
47) Bromodichloromethane	9.587	83	13494	5.067	ug/l #	90
48) Methyl methacrylate	9.387	41	4087	4.482	ug/l	93
49) 1,4-Dioxane	9.399	88	1087	98.514	ug/l #	74
51) 4-Methyl-2-Pentanone	10.157	43	23604	22.792	ug/l	94
52) Toluene	10.334	92	21419	4.874	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	10791	4.627	ug/l	97
54) cis-1,3-Dichloropropene	10.022	75	11758	4.273	ug/l	95
55) 1,1,2-Trichloroethane	10.734	97	7267	5.152	ug/l	95
56) Ethyl methacrylate	10.598	69	7321	4.443	ug/l	93
57) 1,3-Dichloropropane	10.881	76	10705	4.703	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.875	63	13418	22.005	ug/l	99
59) 2-Hexanone	10.922	43	16779	21.876	ug/l	92
60) Dibromochloromethane	11.075	129	9638	5.259	ug/l	95
61) 1,2-Dibromoethane	11.181	107	6550	5.046	ug/l	99
64) Tetrachloroethene	10.804	164	6928	4.535	ug/l #	90
65) Chlorobenzene	11.604	112	24937	4.947	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	9302	5.137	ug/l	93
67) Ethyl Benzene	11.681	91	36494	4.280	ug/l	97
68) m/p-Xylenes	11.792	106	26962	8.240	ug/l	99
69) o-Xylene	12.122	106	12749	4.211	ug/l	93
70) Styrene	12.134	104	21846	4.055	ug/l	99
71) Bromoform	12.298	173	5539	5.086	ug/l #	98
73) Isopropylbenzene	12.422	105	31752	4.232	ug/l	99
74) N-amyl acetate	12.234	43	7770	4.282	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	8867	5.829	ug/l	95
76) 1,2,3-Trichloropropane	12.728	75	4471m	3.674	ug/l	
77) Bromobenzene	12.698	156	10125	5.216	ug/l	98
78) n-propylbenzene	12.763	91	42907	4.600	ug/l	99
79) 2-Chlorotoluene	12.845	91	26718	4.930	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	26937	4.260	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	2586	4.743	ug/l	96
82) 4-Chlorotoluene	12.945	91	26315	4.520	ug/l	92
83) tert-Butylbenzene	13.163	119	24587	4.537	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	27215	4.286	ug/l	99
85) sec-Butylbenzene	13.345	105	36560	4.389	ug/l	98
86) p-Isopropyltoluene	13.457	119	30494	4.388	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	19211	4.837	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	20106	5.067	ug/l	97
89) n-Butylbenzene	13.787	91	30198	4.493	ug/l	97
90) Hexachloroethane	14.051	117	7291	4.747	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	17774	5.123	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1429	5.626	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	10435	4.800	ug/l	94
94) Hexachlorobutadiene	15.204	225	5959	4.977	ug/l	95
95) Naphthalene	15.333	128	17337	4.471	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.522	180	9137	4.742	ug/l	97

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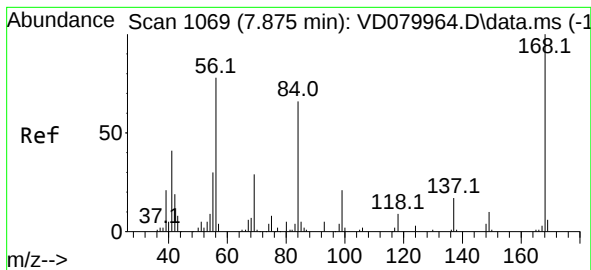
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024

Quant Time: Oct 15 03:12:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101124S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 14 03:20:54 2024
Response via : Initial Calibration

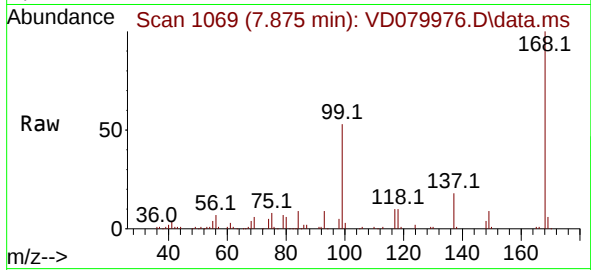
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079976.D
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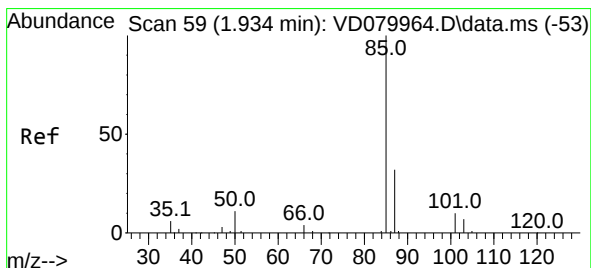
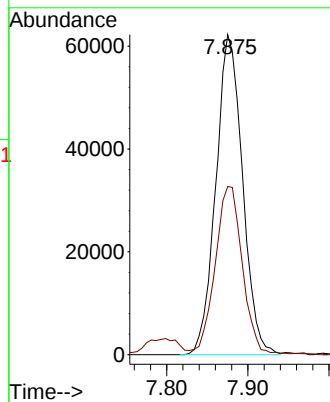
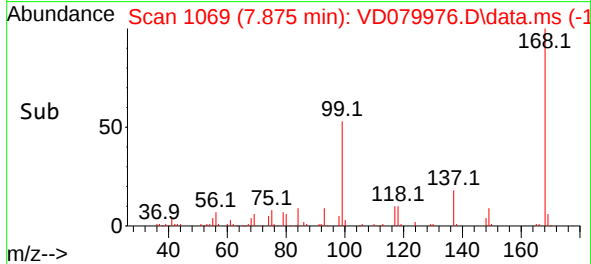
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:168 Resp: 142230
Ion Ratio Lower Upper
168 100
99 52.0 46.0 69.0

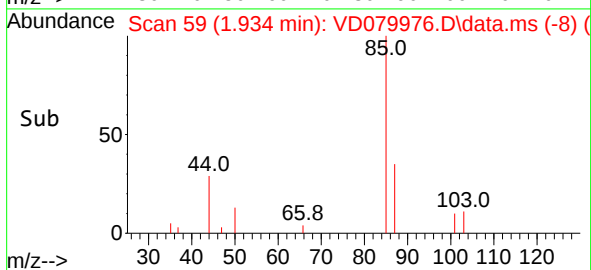
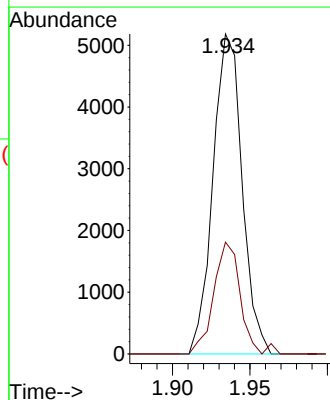
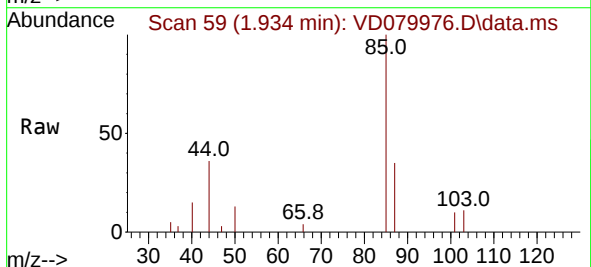
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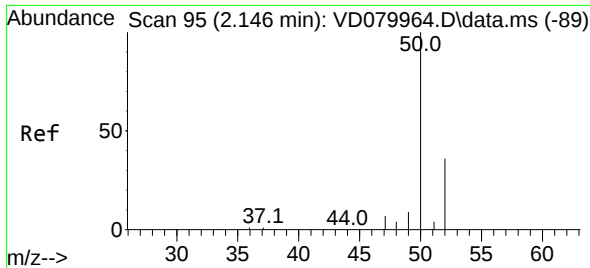
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#2
Dichlorodifluoromethane
Concen: 4.837 ug/l
RT: 1.934 min Scan# 59
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

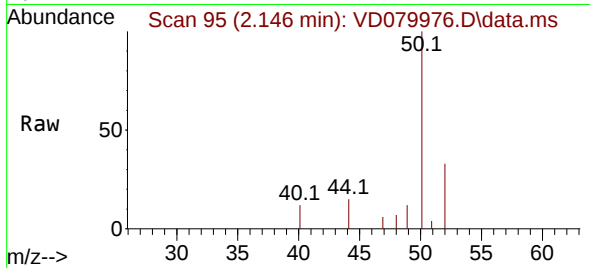
Tgt Ion: 85 Resp: 6762
Ion Ratio Lower Upper
85 100
87 34.9 16.1 48.2





#3
Chloromethane
Concen: 4.399 ug/l
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

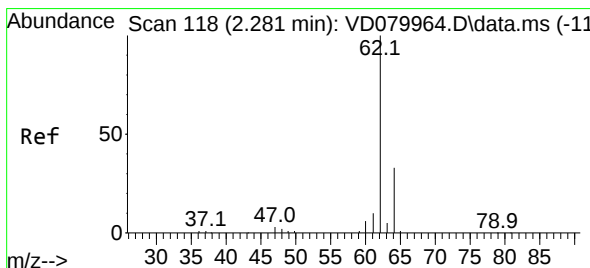
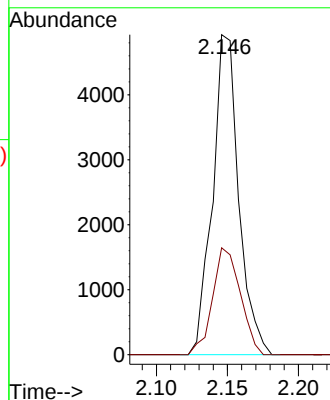
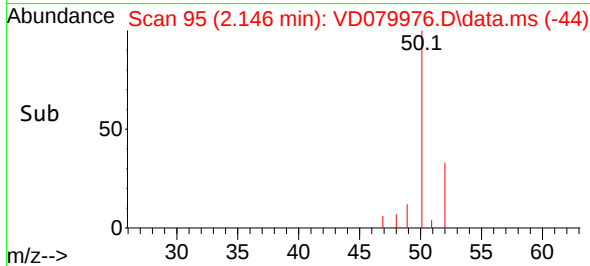
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2024



Tgt Ion: 50 Resp: 6310
Ion Ratio Lower Upper
50 100
52 33.4 28.8 43.2

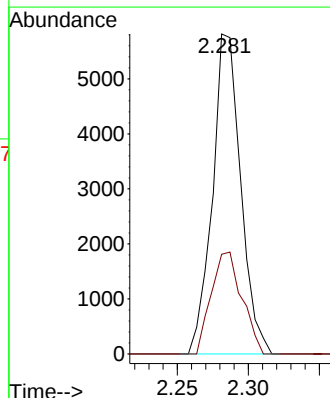
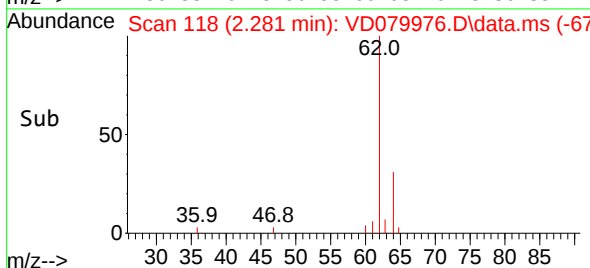
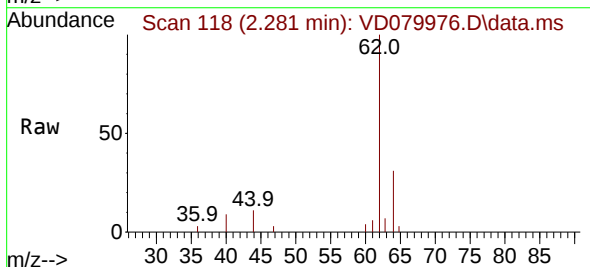
Manual Integrations
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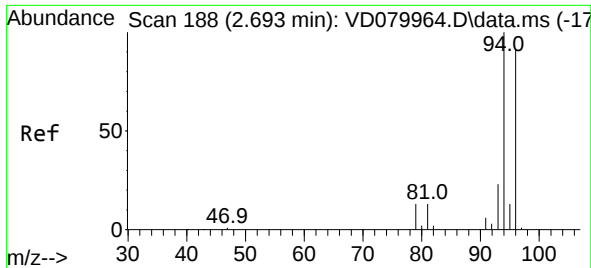
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#4
Vinyl Chloride
Concen: 4.509 ug/l
RT: 2.281 min Scan# 118
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

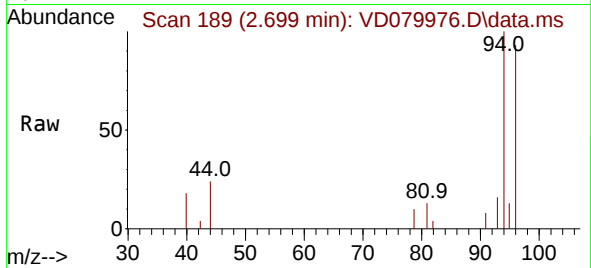
Tgt Ion: 62 Resp: 8049
Ion Ratio Lower Upper
62 100
64 31.2 26.5 39.7





#5
Bromomethane
Concen: 5.417 ug/l
RT: 2.699 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

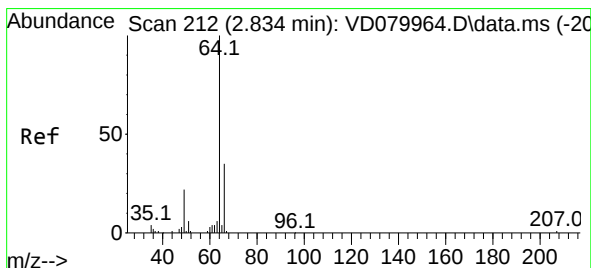
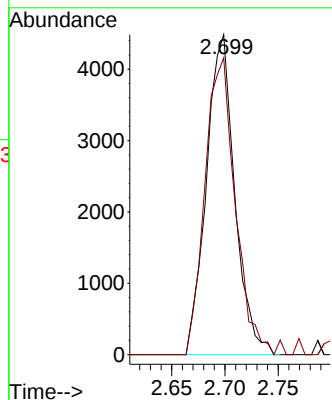
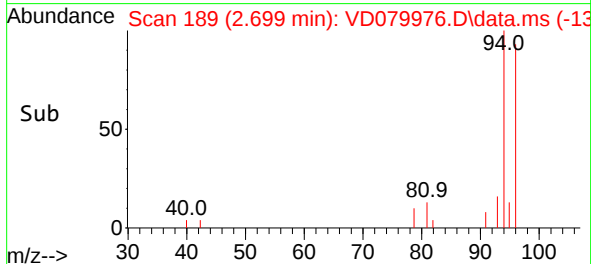
Instrument : MSVOA_D
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Tgt Ion: 94 Resp: 8319
Ion Ratio Lower Upper
94 100
96 98.6 76.2 114.2

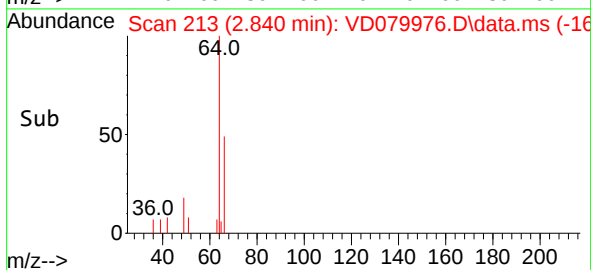
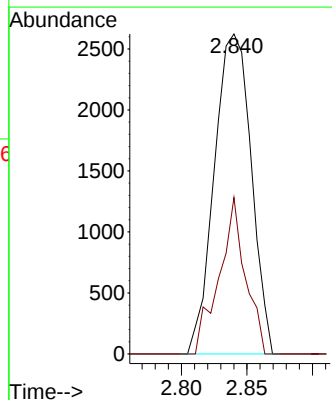
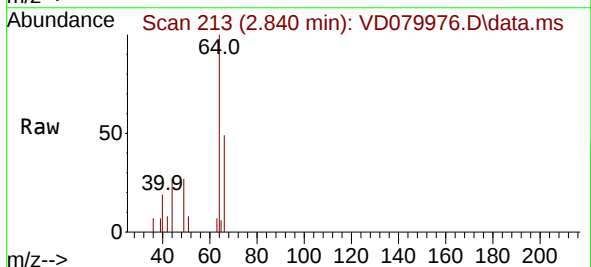
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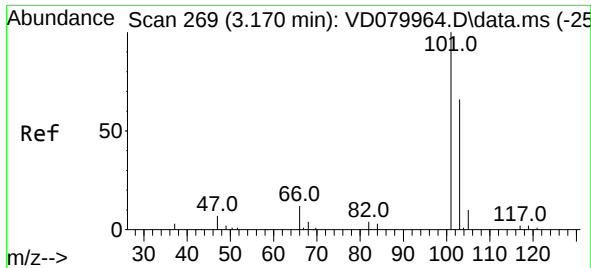
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#6
Chloroethane
Concen: 4.206 ug/l
RT: 2.840 min Scan# 213
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

Tgt Ion: 64 Resp: 5126
Ion Ratio Lower Upper
64 100
66 48.9 27.6 41.4#





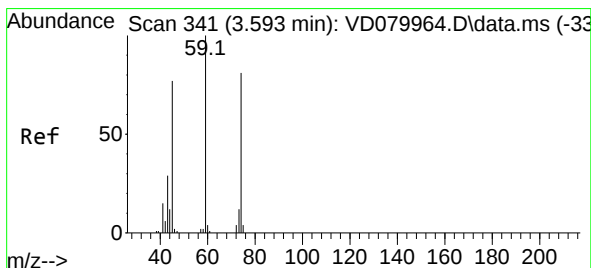
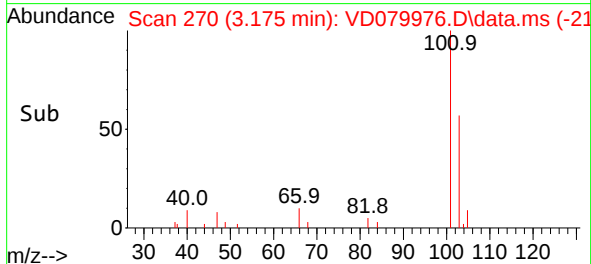
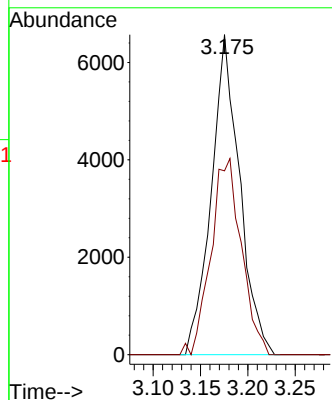
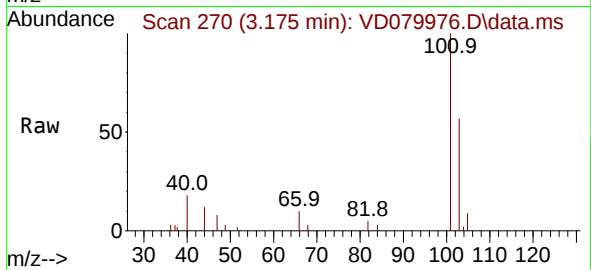
#7
Trichlorofluoromethane
Concen: 4.896 ug/l
RT: 3.175 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:101 Resp: 13694
Ion Ratio Lower Upper
101 100
103 57.4 53.0 79.6

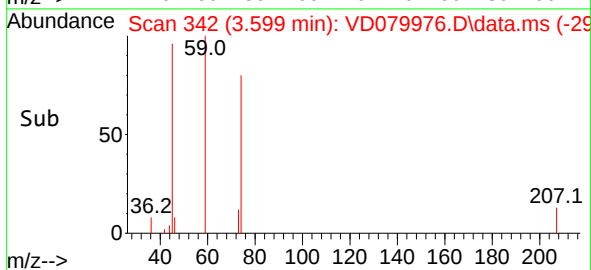
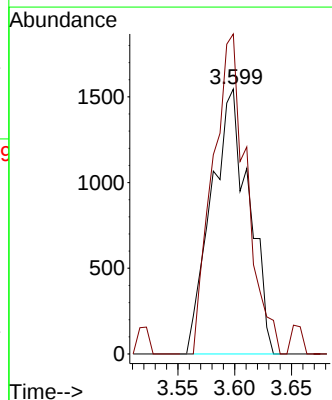
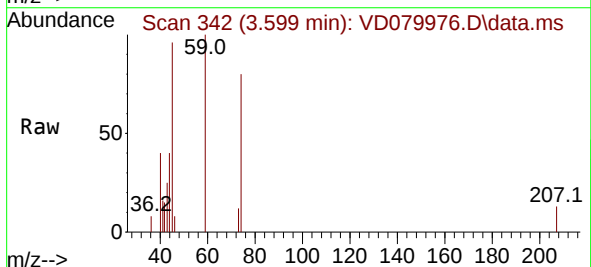
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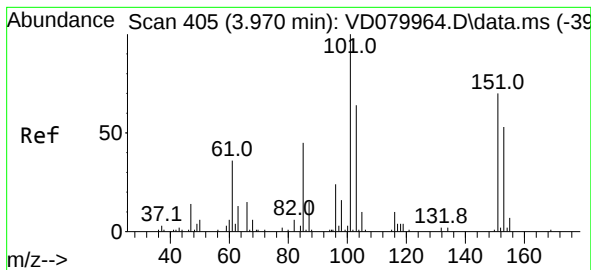
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#8
Diethyl Ether
Concen: 4.622 ug/l
RT: 3.599 min Scan# 342
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

Tgt Ion: 74 Resp: 3551
Ion Ratio Lower Upper
74 100
45 109.5 47.8 143.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.116 ug/l

RT: 3.969 min Scan# 405

Delta R.T. -0.000 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

Instrument :

MSVOA_D

ClientSampleId :

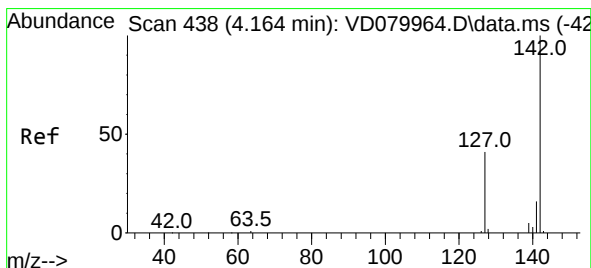
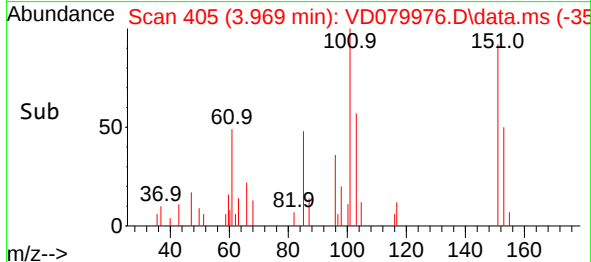
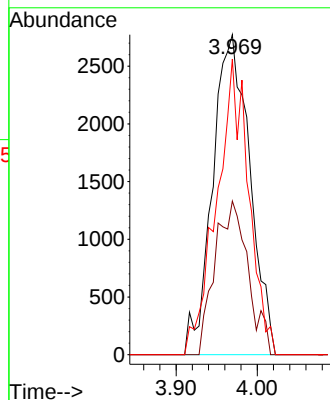
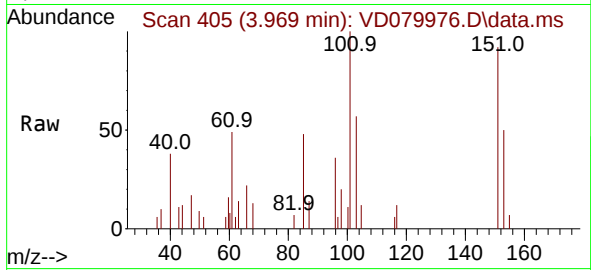
LOQ-SOIL-02-QT4-2024

Tgt Ion:101	Resp:	8789
Ion Ratio	Lower	Upper
101	100	
85	42.8	35.3 52.9
151	80.0	60.3 90.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#10

Methyl Iodide

Concen: 4.487 ug/l

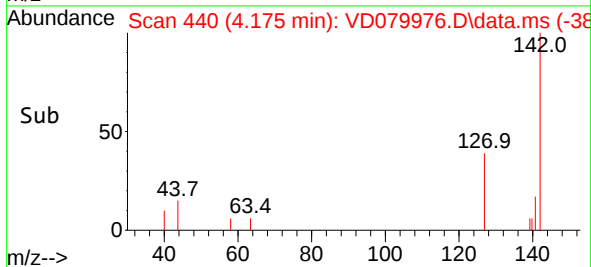
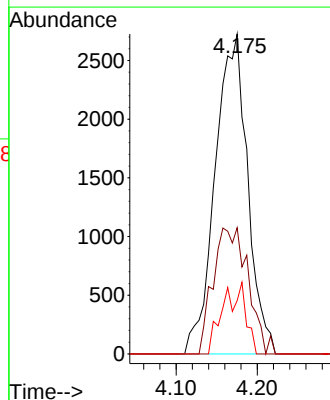
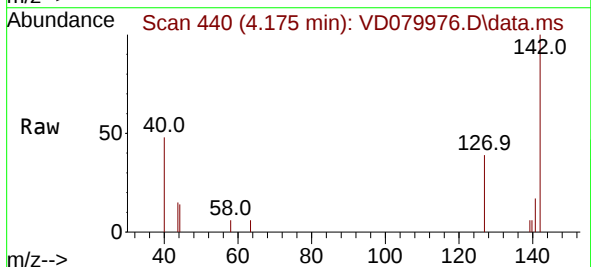
RT: 4.175 min Scan# 440

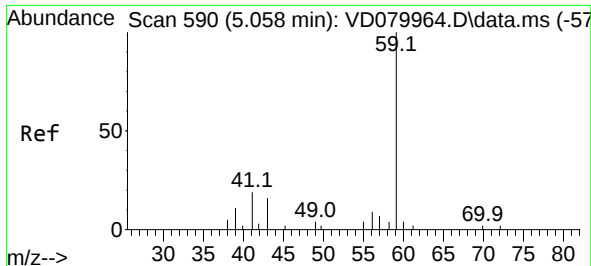
Delta R.T. 0.012 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

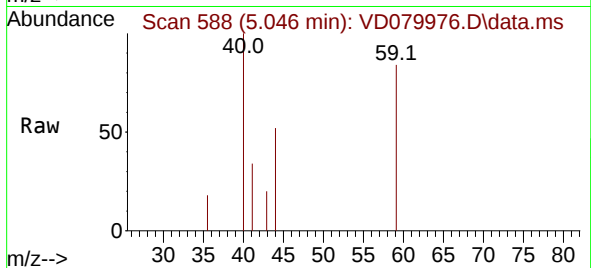
Tgt Ion:142	Resp:	7558
Ion Ratio	Lower	Upper
142	100	
127	42.6	35.3 52.9
141	8.6	12.2 18.2





#11
Tert butyl alcohol
Concen: 27.899 ug/l
RT: 5.046 min Scan# 51
Delta R.T. -0.012 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

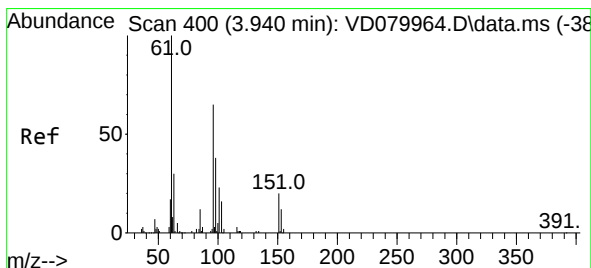
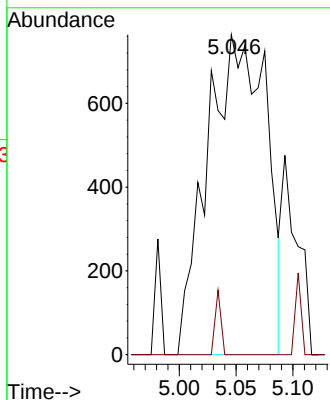
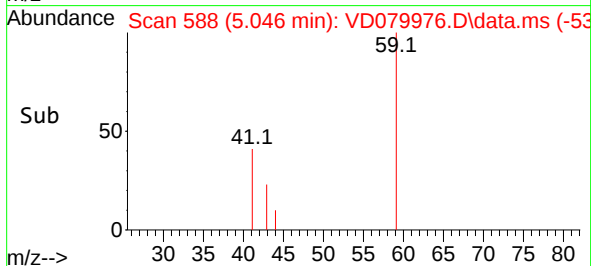
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2024



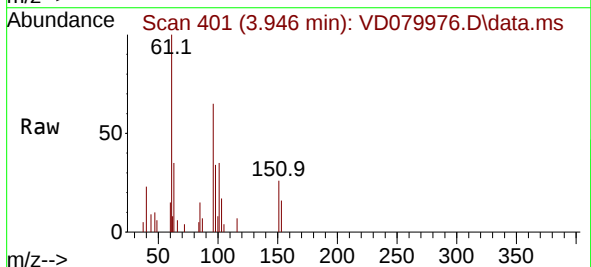
Tgt Ion: 59 Resp: 276
Ion Ratio Lower Upper
59 100
57 0.0 4.8 7.2

Manual Integrations
APPROVED

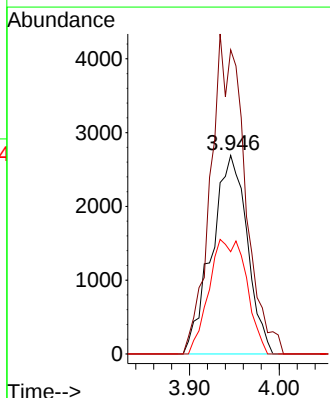
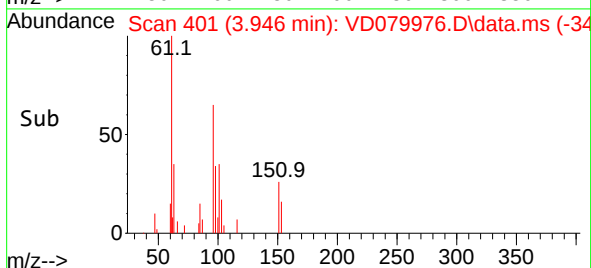
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024

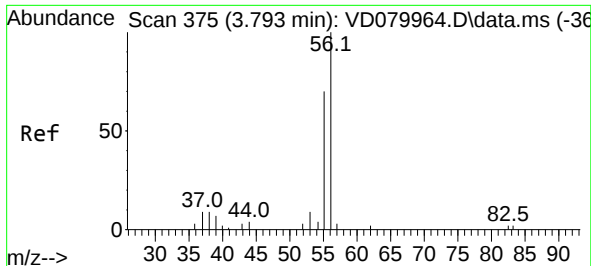


#12
1,1-Dichloroethene
Concen: 4.830 ug/l
RT: 3.946 min Scan# 401
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48



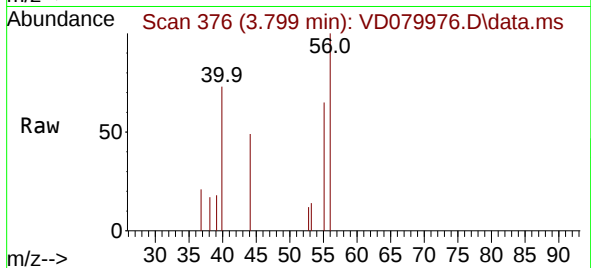
Tgt Ion: 96 Resp: 7382
Ion Ratio Lower Upper
96 100
61 153.1 122.6 184.0
98 51.4 47.1 70.7





#13
Acrolein
Concen: 31.034 ug/l
RT: 3.799 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

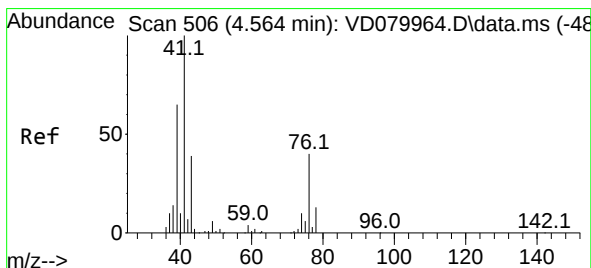
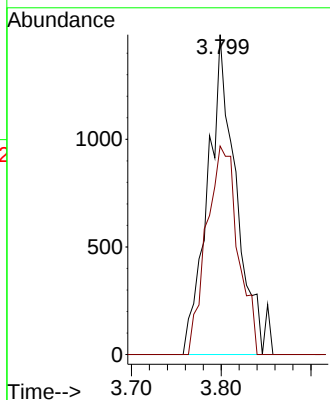
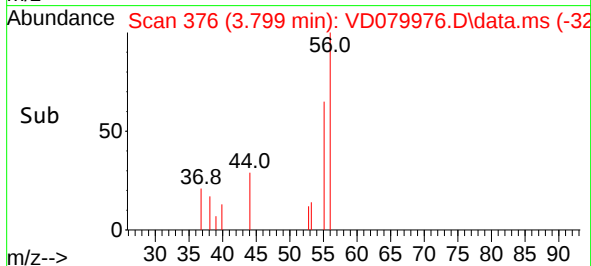
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 56 Resp: 329
Ion Ratio Lower Upper
56 100
55 71.6 58.2 87.2

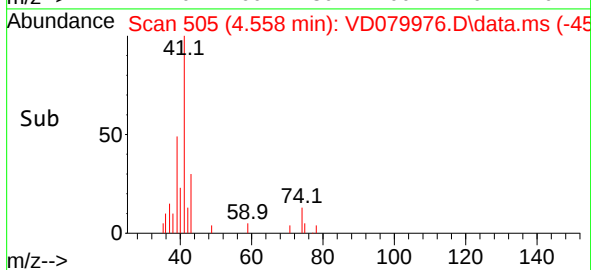
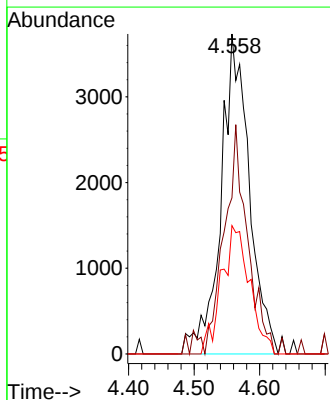
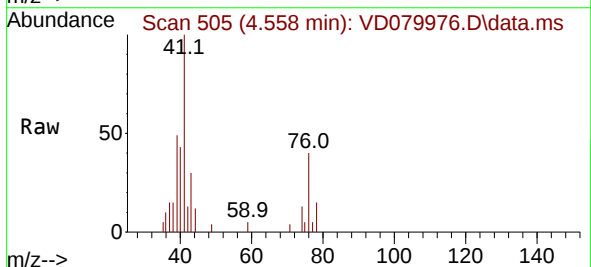
Manual Integrations
APPROVED

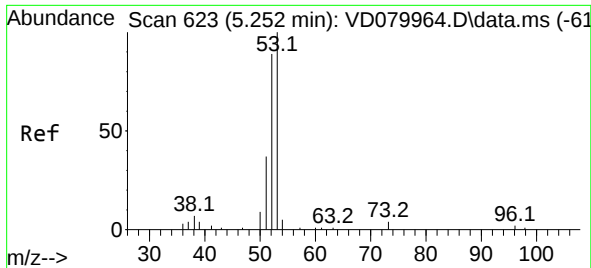
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#14
Allyl chloride
Concen: 4.936 ug/l
RT: 4.558 min Scan# 505
Delta R.T. -0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

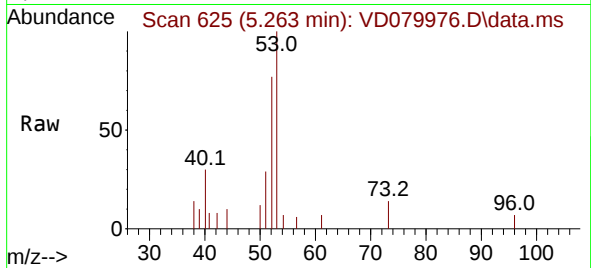
Tgt Ion: 41 Resp: 11205
Ion Ratio Lower Upper
41 100
39 58.4 53.3 79.9
76 39.8 32.0 48.0





#15
Acrylonitrile
Concen: 25.935 ug/l
RT: 5.263 min Scan# 61
Delta R.T. 0.012 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

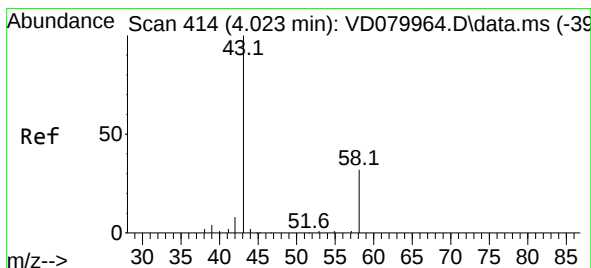
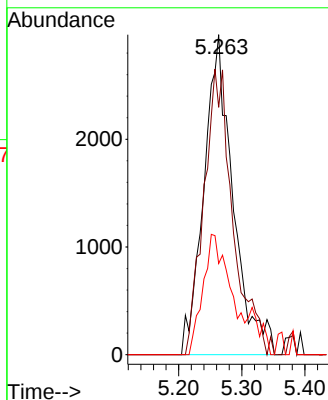
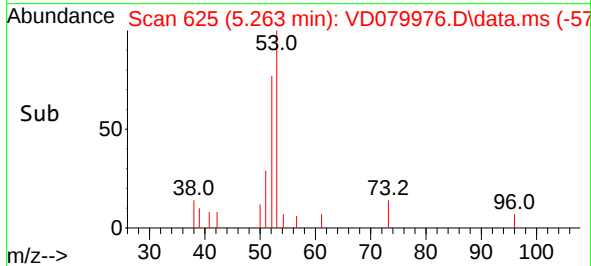
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 53 Resp: 952
Ion Ratio Lower Upper
53 100
52 89.8 66.2 99.4
51 35.0 30.3 45.5

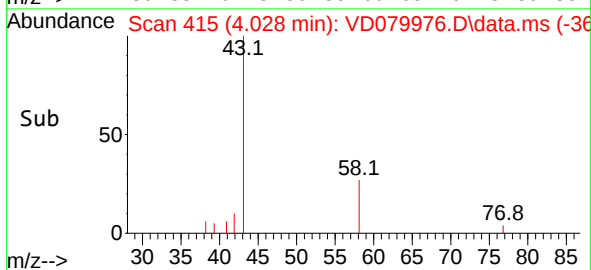
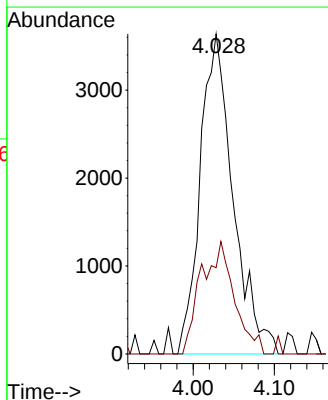
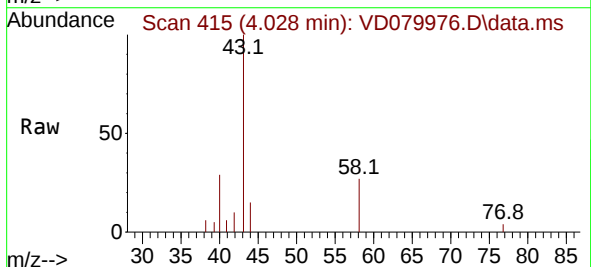
Manual Integrations
APPROVED

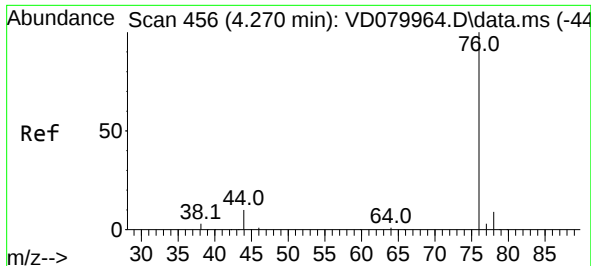
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#16
Acetone
Concen: 24.433 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

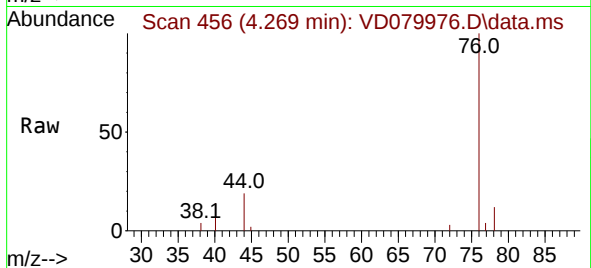
Tgt Ion: 43 Resp: 10247
Ion Ratio Lower Upper
43 100
58 27.0 25.4 38.2





#17
Carbon Disulfide
Concen: 4.195 ug/l
RT: 4.269 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

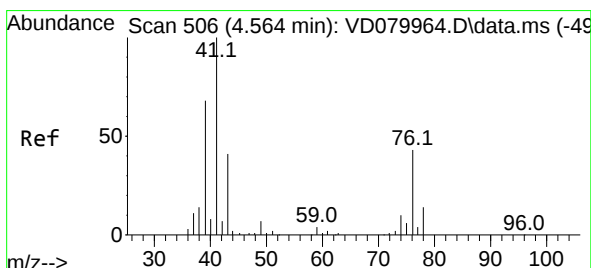
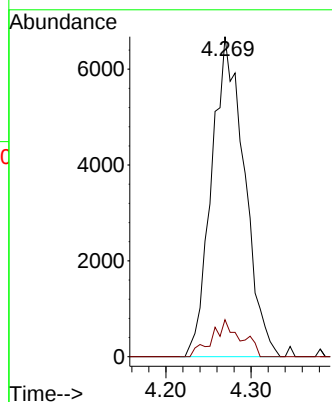
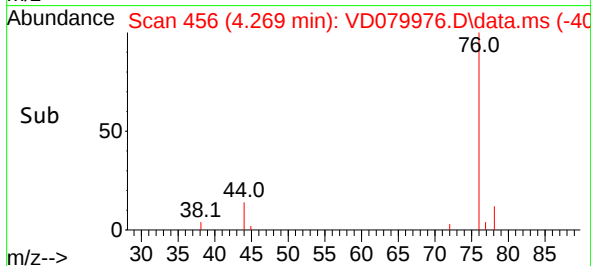
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 76 Resp: 17870
Ion Ratio Lower Upper
76 100
78 11.5 7.5 11.3#

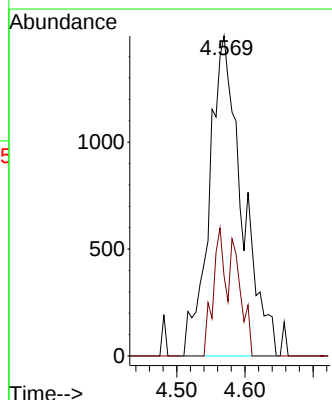
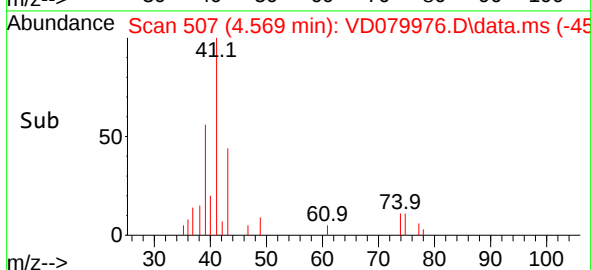
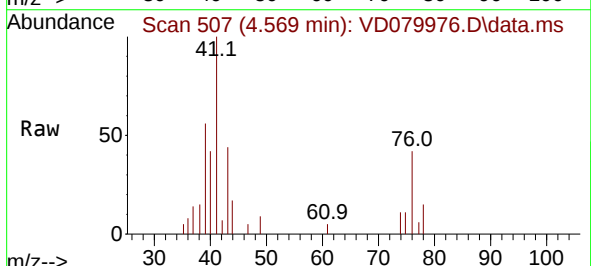
Manual Integrations
APPROVED

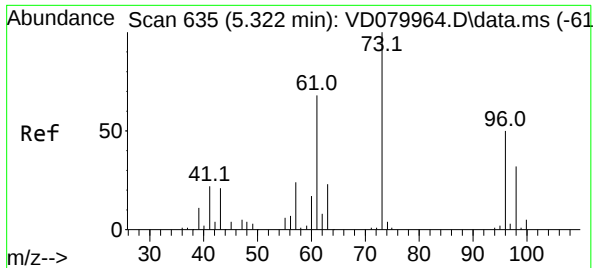
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#18
Methyl Acetate
Concen: 5.572 ug/l
RT: 4.569 min Scan# 507
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

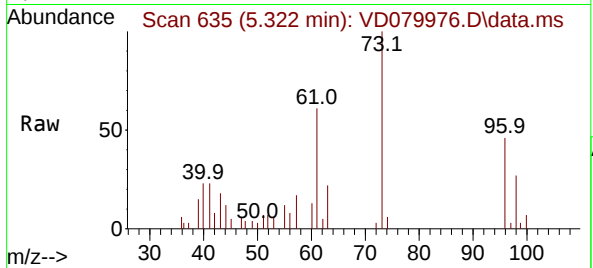
Tgt Ion: 43 Resp: 5016
Ion Ratio Lower Upper
43 100
74 15.0 20.5 30.7#





#19
Methyl tert-butyl Ether
Concen: 4.812 ug/l
RT: 5.322 min Scan# 61
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

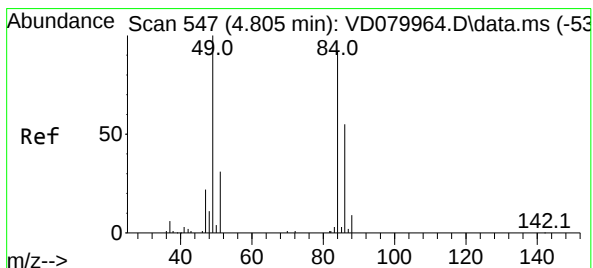
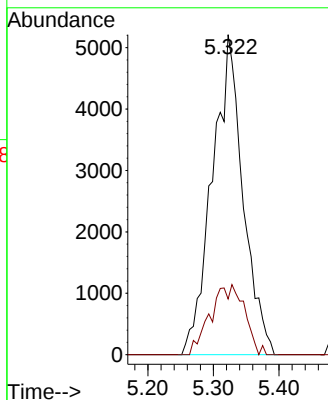
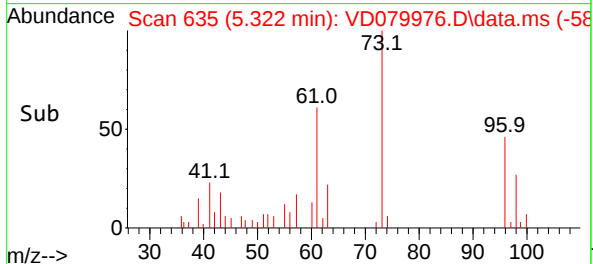
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2024



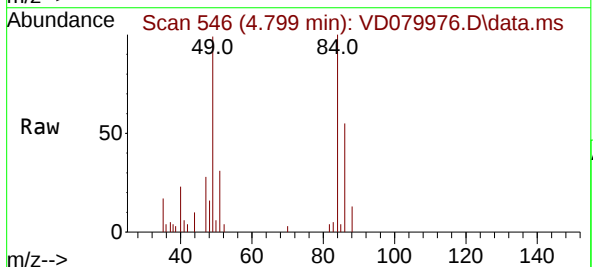
Tgt Ion: 73 Resp: 16984
Ion Ratio Lower Upper
73 100
57 17.4 18.8 28.2

Manual Integrations
APPROVED

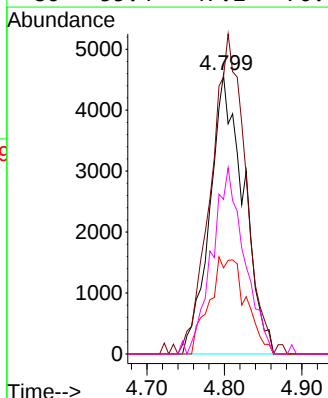
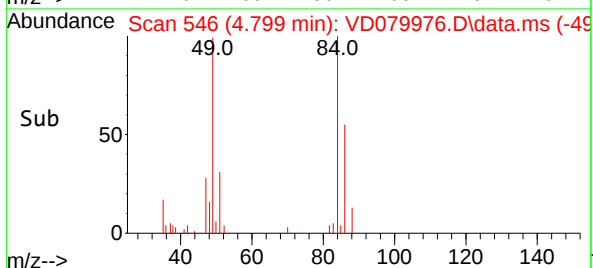
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024

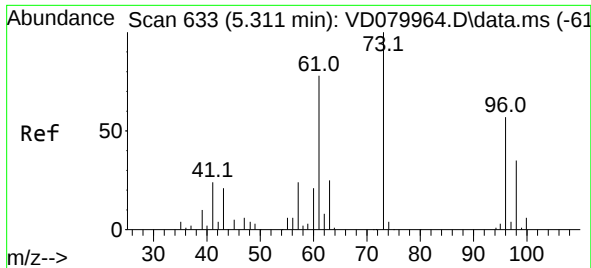


#20
Methylene Chloride
Concen: 4.111 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48



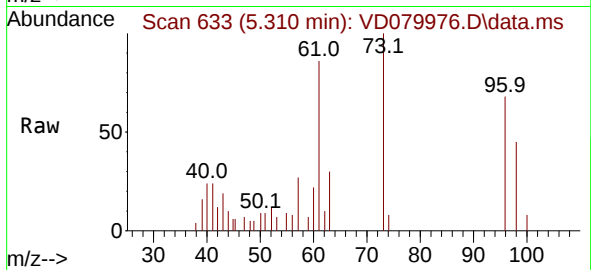
Tgt Ion: 84 Resp: 13881
Ion Ratio Lower Upper
84 100
49 99.1 86.5 129.7
51 30.8 26.9 40.3
86 55.4 47.2 70.8





#21
trans-1,2-Dichloroethene
Concen: 4.833 ug/l
RT: 5.310 min Scan# 611
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

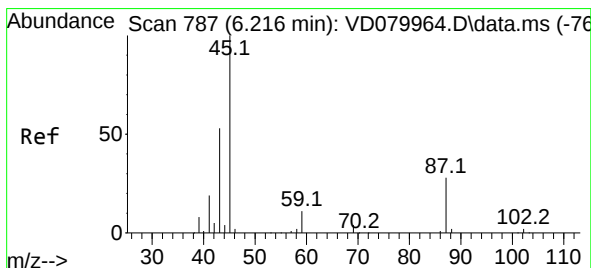
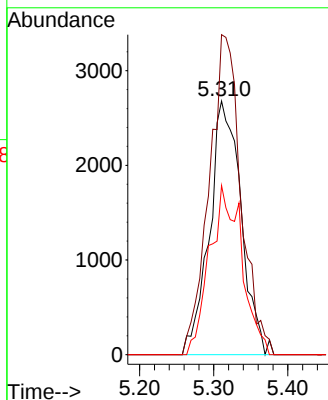
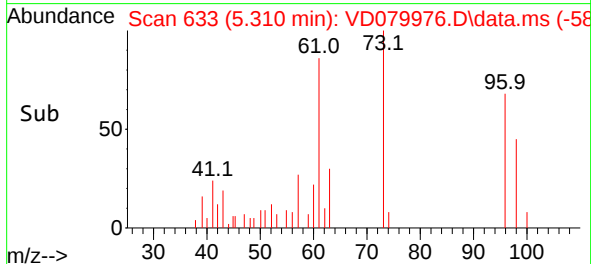
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 96 Resp: 793
Ion Ratio Lower Upper
96 100
61 126.2 109.4 164.0
98 66.7 49.8 74.8

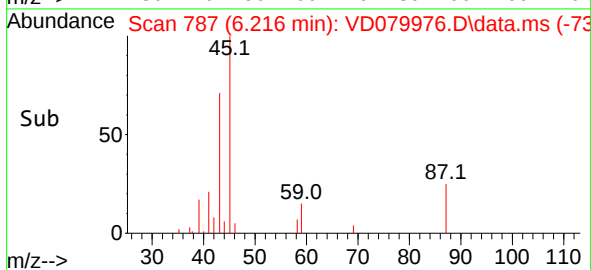
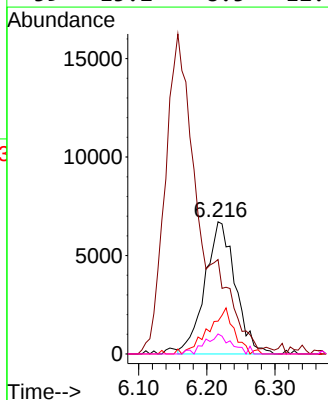
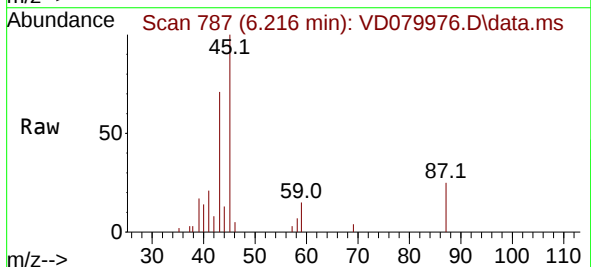
Manual Integrations
APPROVED

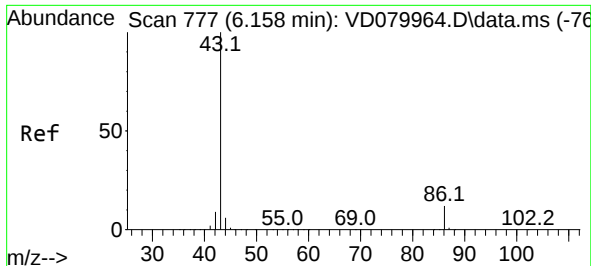
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#22
Diisopropyl ether
Concen: 4.213 ug/l
RT: 6.216 min Scan# 787
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

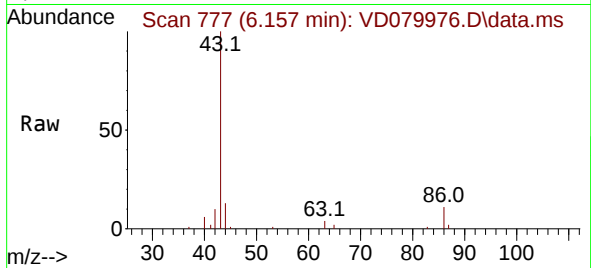
Tgt Ion: 45 Resp: 20742
Ion Ratio Lower Upper
45 100
43 67.2 42.6 63.8#
87 24.8 22.7 34.1
59 15.2 8.5 12.7#





#23
 Vinyl Acetate
 Concen: 21.113 ug/l
 RT: 6.157 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VD079976.D
 Acq: 14 Oct 2024 13:48

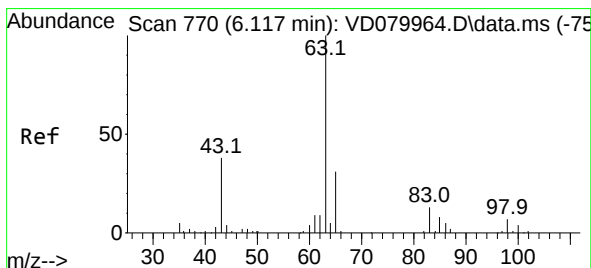
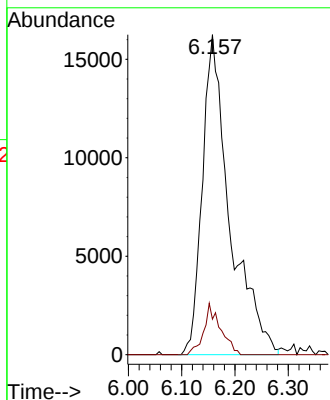
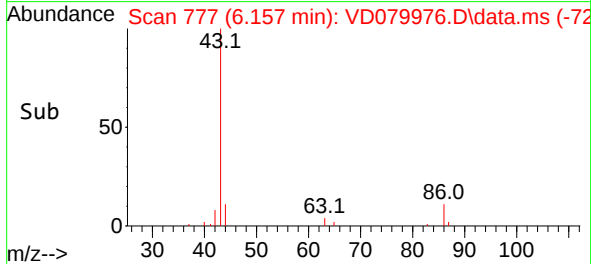
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024



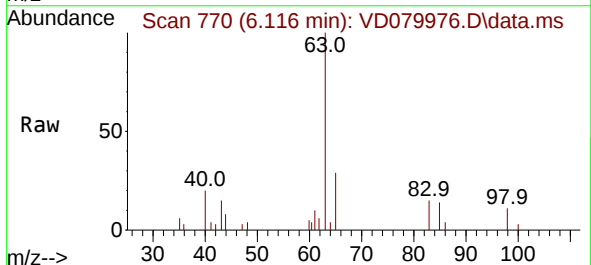
Tgt Ion: 43 Resp: 5839
 Ion Ratio Lower Upper
 43 100
 86 11.1 9.4 14.0

Manual Integrations
 APPROVED

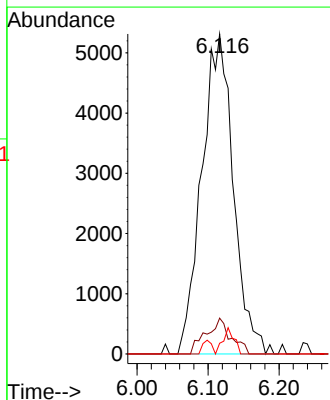
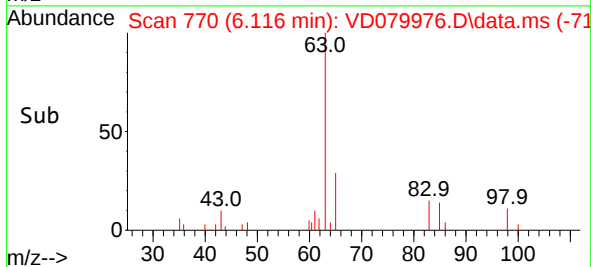
Reviewed By :Mahesh Dadoda 10/15/2024
 Supervised By :Semsettin Yesilyurt 10/15/2024

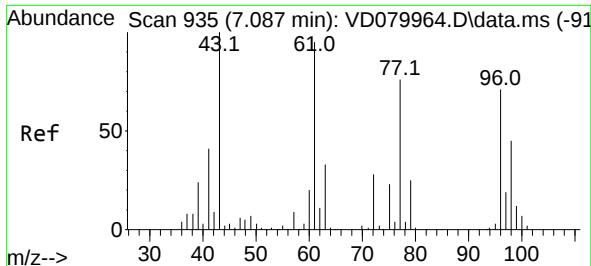


#24
 1,1-Dichloroethane
 Concen: 5.060 ug/l
 RT: 6.116 min Scan# 770
 Delta R.T. -0.000 min
 Lab File: VD079976.D
 Acq: 14 Oct 2024 13:48



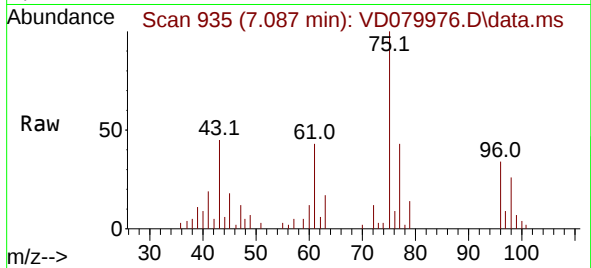
Tgt Ion: 63 Resp: 16411
 Ion Ratio Lower Upper
 63 100
 98 11.2 3.5 10.6#
 100 3.4 2.1 6.5





#25
2-Butanone
Concen: 25.425 ug/l
RT: 7.087 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

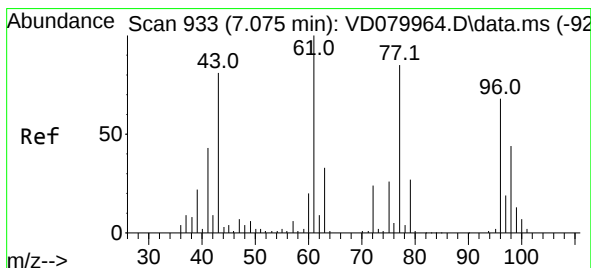
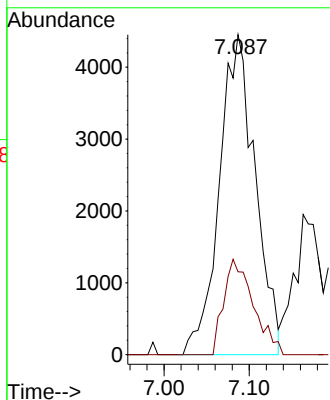
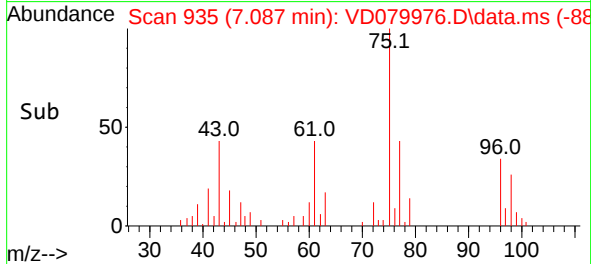
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2024



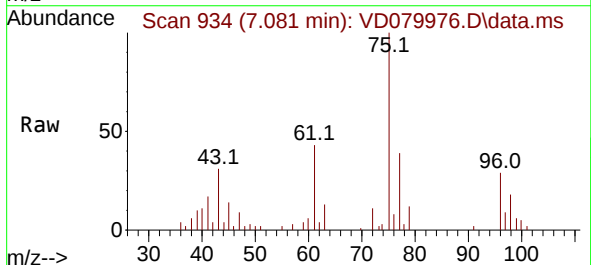
Tgt Ion: 43 Resp: 12984
Ion Ratio Lower Upper
43 100
72 25.9 22.3 33.5

Manual Integrations
APPROVED

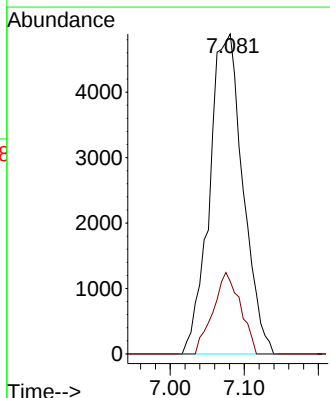
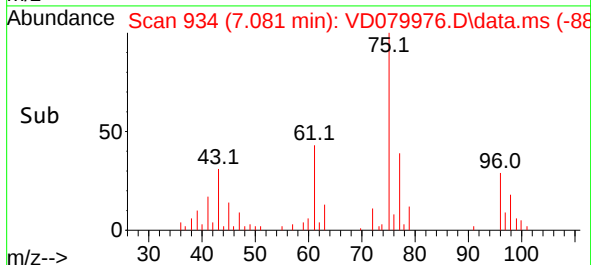
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#26
2,2-Dichloropropane
Concen: 5.458 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48



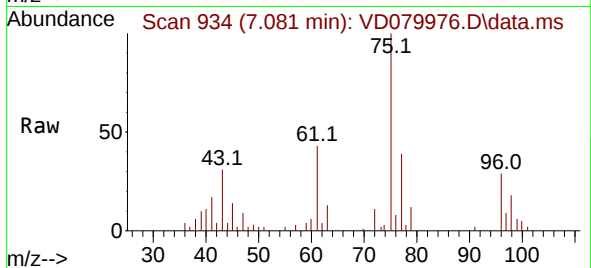
Tgt Ion: 77 Resp: 15317
Ion Ratio Lower Upper
77 100
97 20.8 11.9 35.9





#27
cis-1,2-Dichloroethene
Concen: 4.815 ug/l
RT: 7.081 min Scan# 912
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

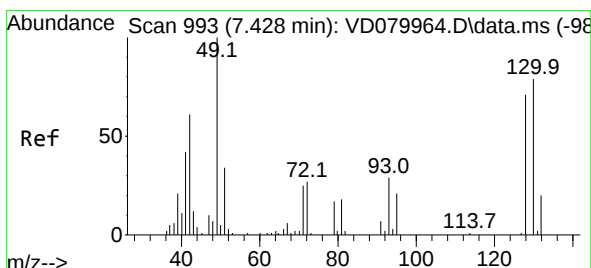
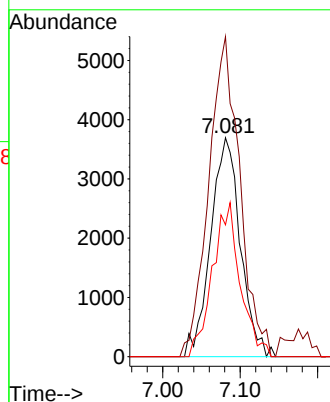
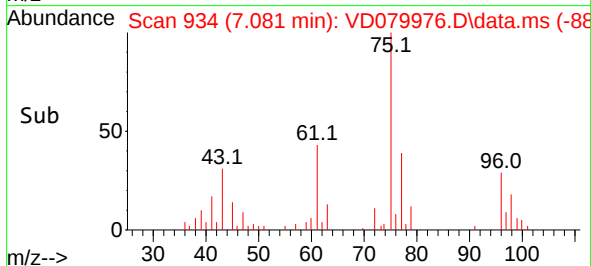
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 96 Resp: 982
Ion Ratio Lower Upper
96 100
61 153.2 0.0 278.2
98 65.6 0.0 127.8

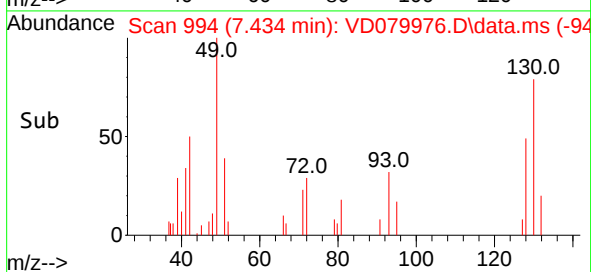
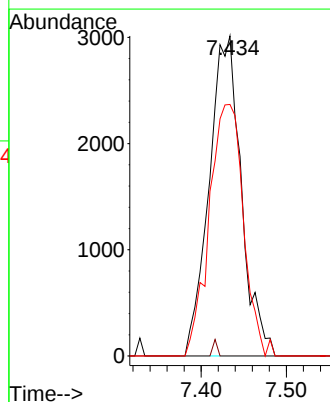
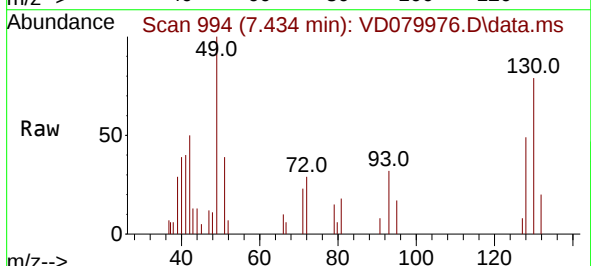
Manual Integrations
APPROVED

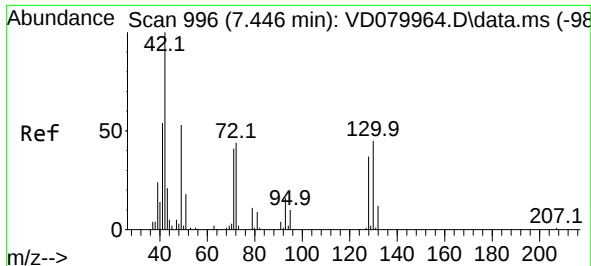
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#28
Bromochloromethane
Concen: 5.720 ug/l
RT: 7.434 min Scan# 994
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

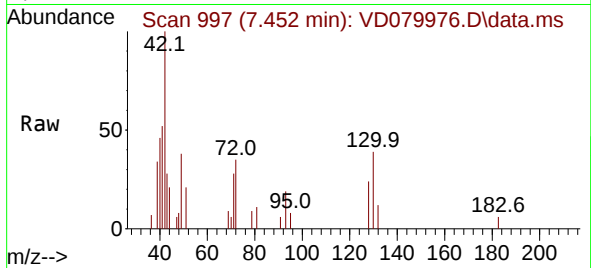
Tgt Ion: 49 Resp: 7918
Ion Ratio Lower Upper
49 100
129 0.7 0.0 2.2
130 83.2 64.6 97.0





#29
Tetrahydrofuran
Concen: 24.733 ug/l
RT: 7.452 min Scan# 996
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

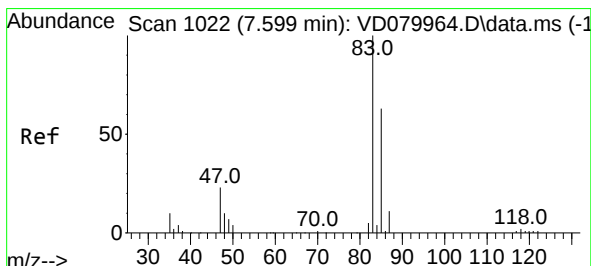
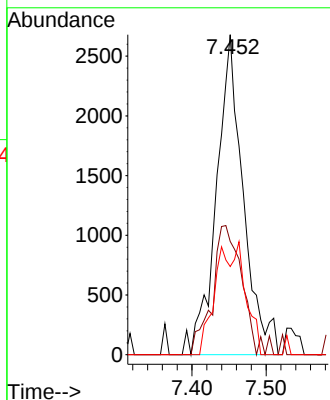
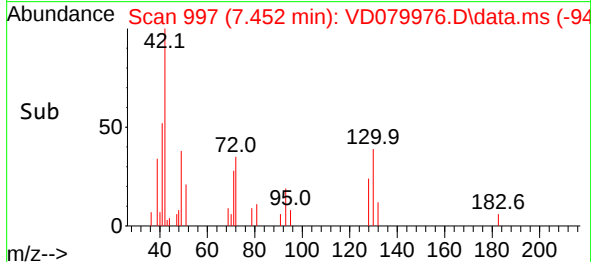
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 42 Resp: 675
Ion Ratio Lower Upper
42 100
72 43.2 36.7 55.1
71 21.2 34.4 51.6

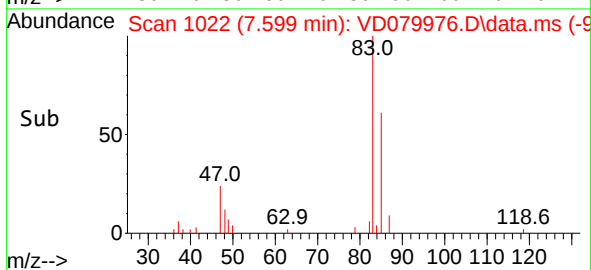
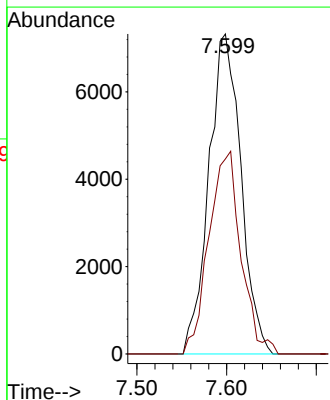
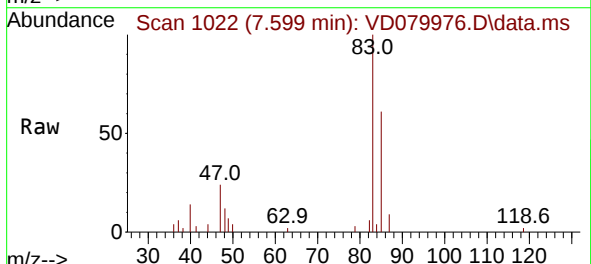
Manual Integrations
APPROVED

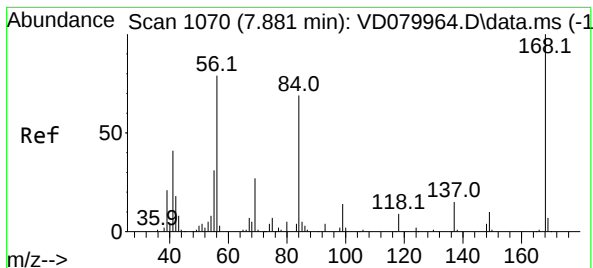
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#30
Chloroform
Concen: 5.304 ug/l
RT: 7.599 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

Tgt Ion: 83 Resp: 18221
Ion Ratio Lower Upper
83 100
85 61.0 50.8 76.2





#31

Cyclohexane

Concen: 5.313 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VD079976.D

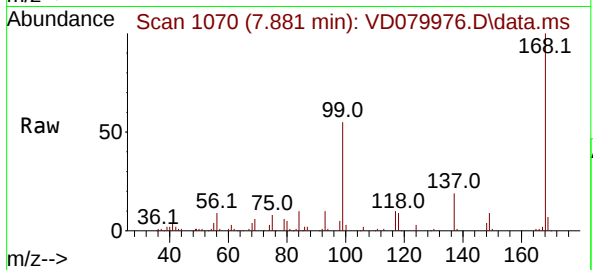
Acq: 14 Oct 2024 13:48

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2024



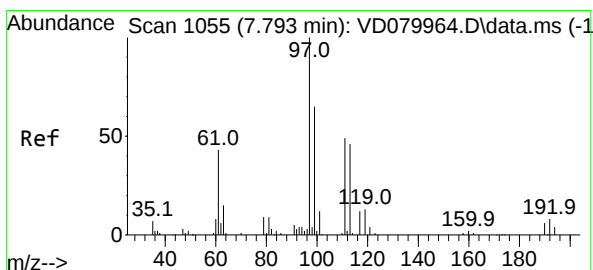
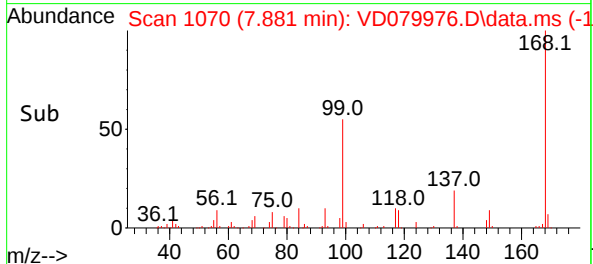
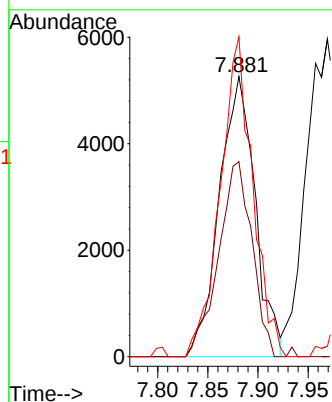
Tgt Ion: 56	Resp: 13062
Ion Ratio	Lower Upper
56	100
69	69.7 27.3 40.9
84	114.2 70.2 105.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024

Supervised By :Semsettin Yesilyurt 10/15/2024



#32

1,1,1-Trichloroethane

Concen: 5.208 ug/l

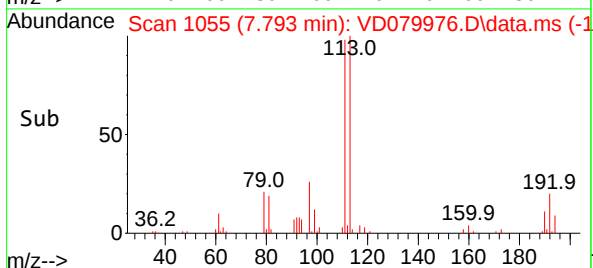
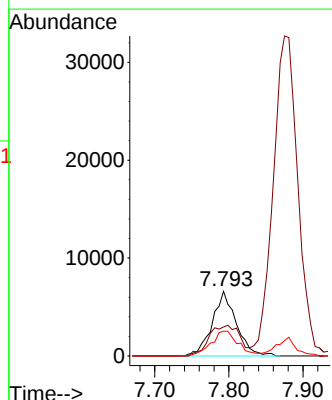
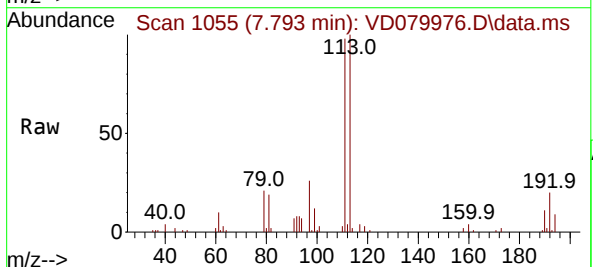
RT: 7.793 min Scan# 1055

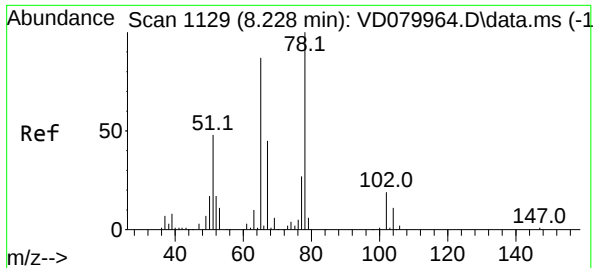
Delta R.T. -0.000 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

Tgt Ion: 97	Resp: 14822
Ion Ratio	Lower Upper
97	100
99	61.7 50.7 76.1
61	43.0 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 53.435 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion: 65 Resp: 8645

Ion Ratio Lower Upper

65 100

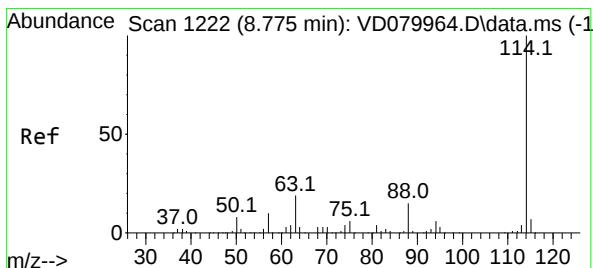
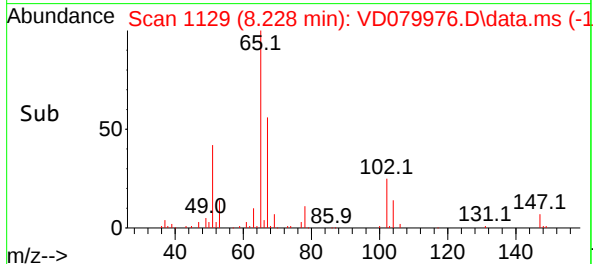
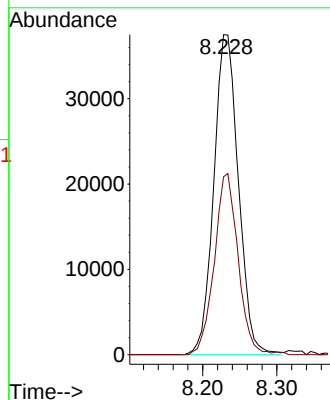
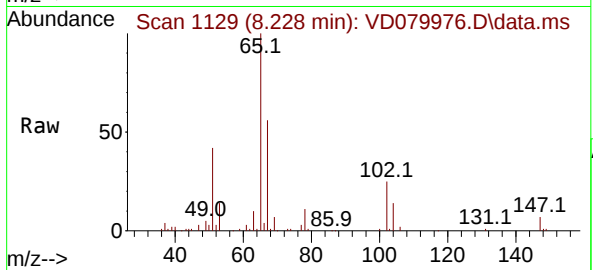
67 54.5 0.0 109.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024

Supervised By :Semsettin Yesilyurt 10/15/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

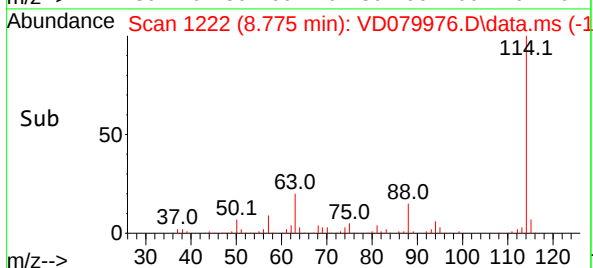
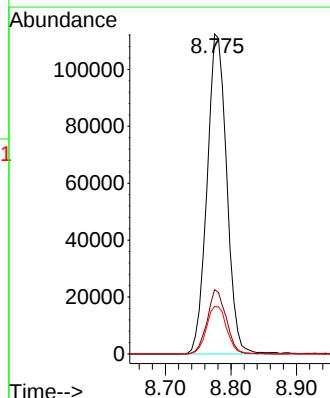
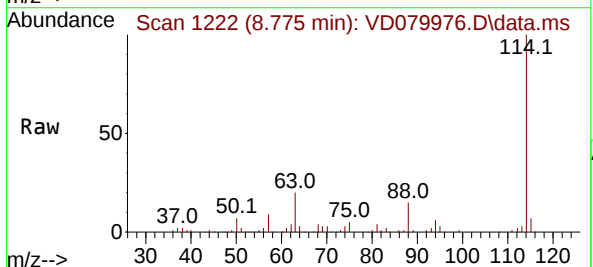
Tgt Ion:114 Resp: 234611

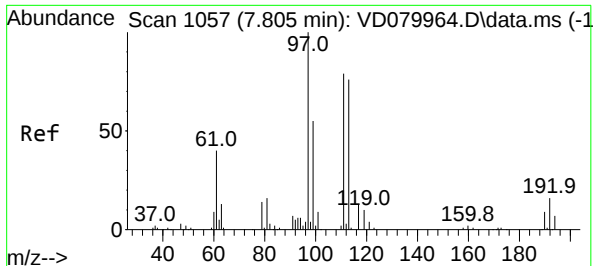
Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.8

88 14.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.350 ug/l

RT: 7.810 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

Instrument :

MSVOA_D

ClientSampleId :

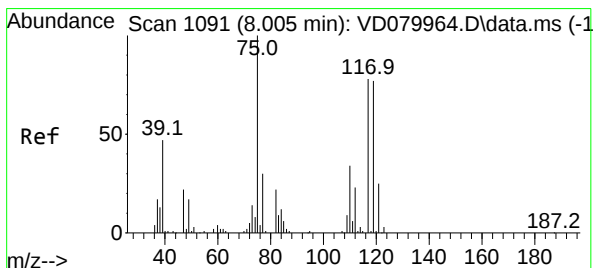
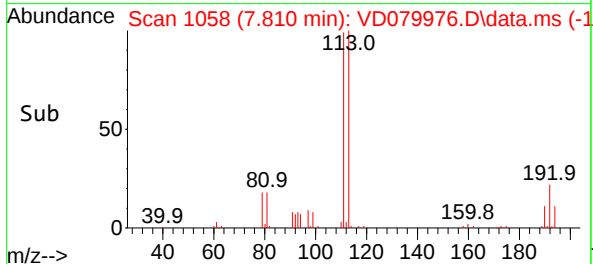
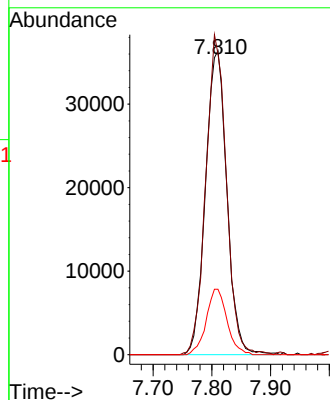
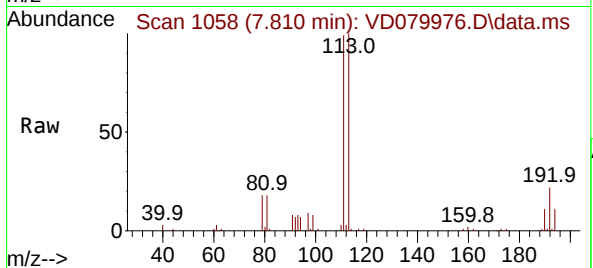
LOQ-SOIL-02-QT4-2024

Tgt Ion:	113	Resp:	92034
Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.5	123.7
192	21.0	16.6	25.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#36

1,1-Dichloropropene

Concen: 4.500 ug/l

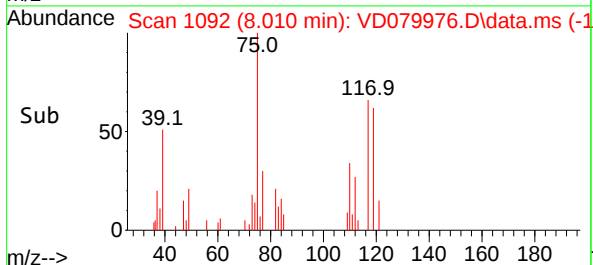
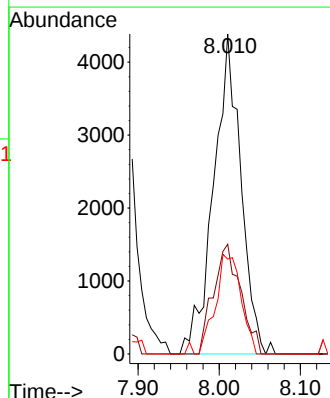
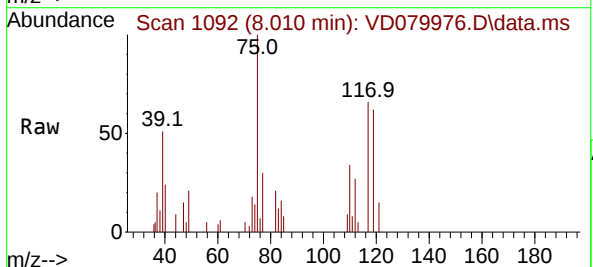
RT: 8.010 min Scan# 1092

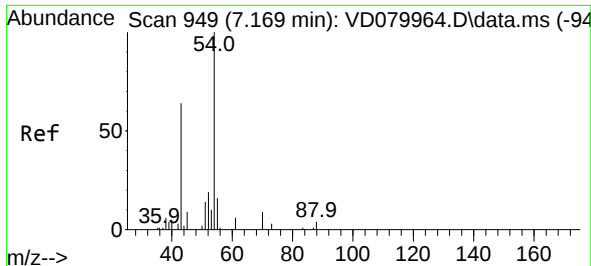
Delta R.T. 0.006 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

Tgt Ion:	75	Resp:	10214
Ion	Ratio	Lower	Upper
75	100		
110	34.4	18.4	55.0
77	29.1	25.6	38.4





#37

Ethyl Acetate

Concen: 4.905 ug/l

RT: 7.163 min Scan# 949

Delta R.T. -0.006 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2024

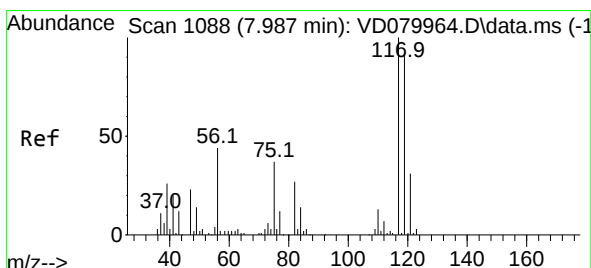
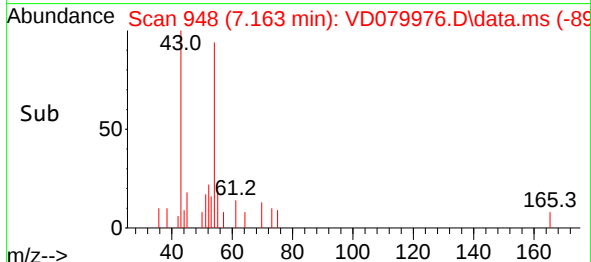
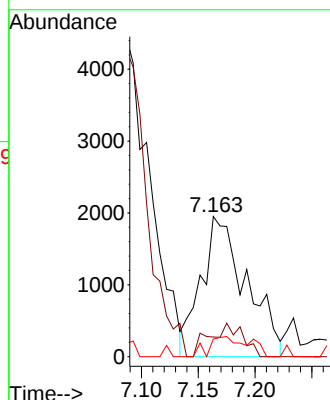
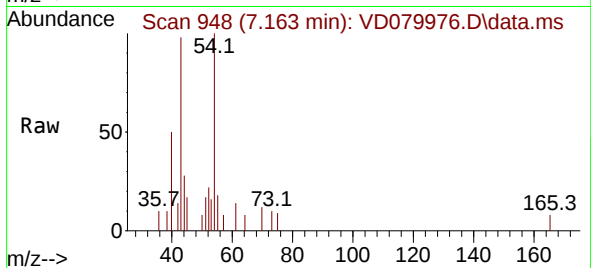
Tgt Ion: 43 Resp: 5389

Ion	Ratio	Lower	Upper
43	100		
61	17.5	11.0	16.4
70	10.0	9.4	14.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#38

Carbon Tetrachloride

Concen: 4.739 ug/l

RT: 7.993 min Scan# 1089

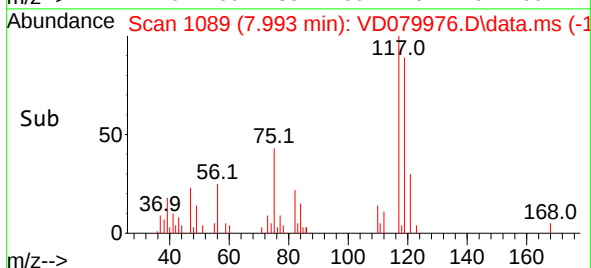
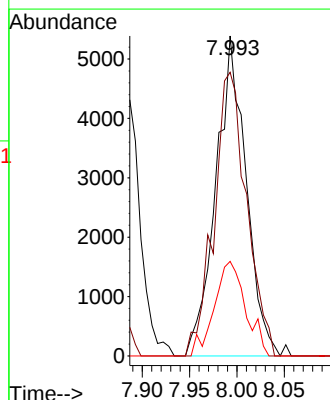
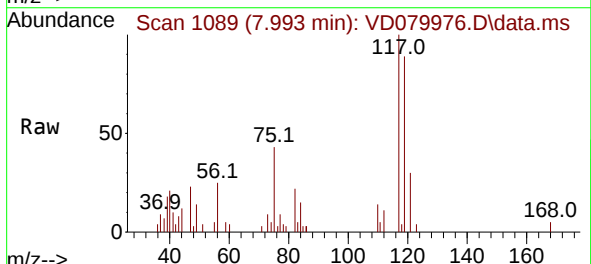
Delta R.T. 0.006 min

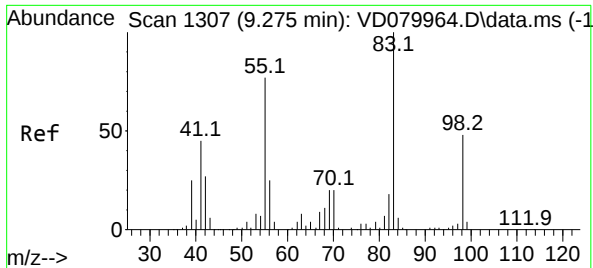
Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

Tgt Ion:117 Resp: 11953

Ion	Ratio	Lower	Upper
117	100		
119	88.7	73.4	110.0
121	29.5	24.5	36.7





#39

Methylcyclohexane

Concen: 4.142 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. -0.000 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

Instrument :

MSVOA_D

ClientSampleId :

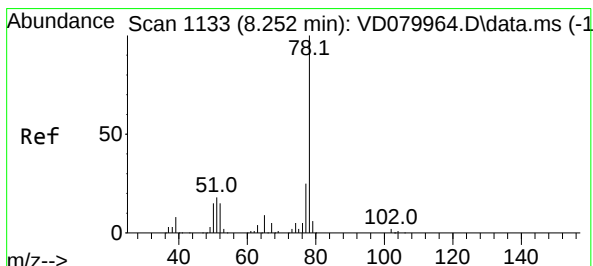
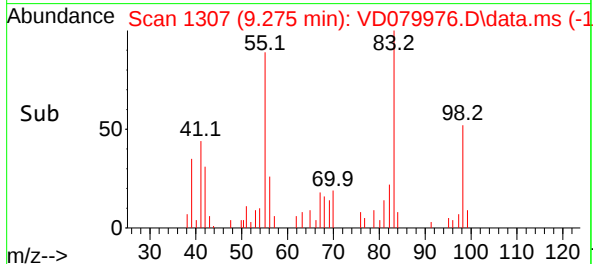
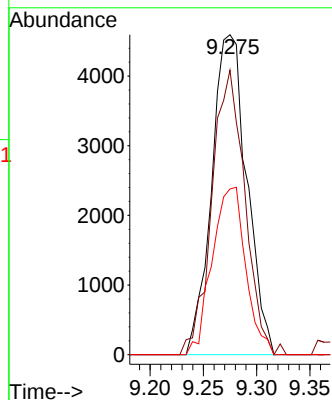
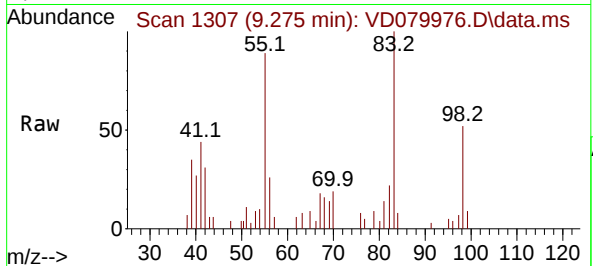
LOQ-SOIL-02-QT4-2024

Tgt Ion: 83	Resp: 10549
Ion Ratio	Lower Upper
83	100
55	88.9 62.0 93.0
98	51.8 38.7 58.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#40

Benzene

Concen: 4.692 ug/l

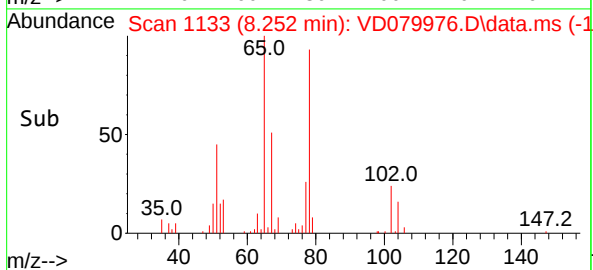
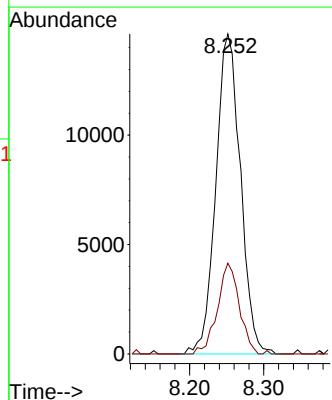
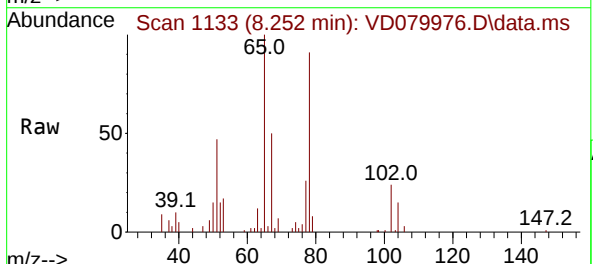
RT: 8.252 min Scan# 1133

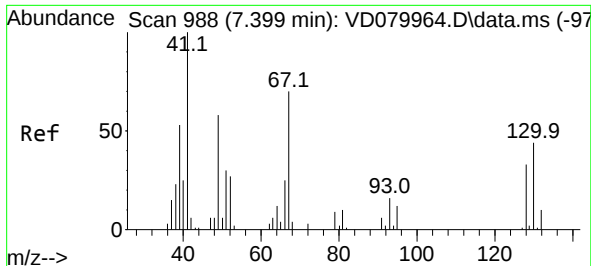
Delta R.T. -0.000 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

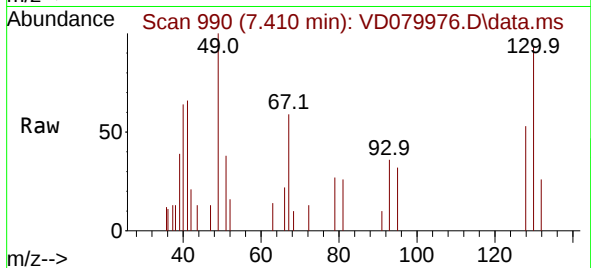
Tgt Ion: 78	Resp: 33678
Ion Ratio	Lower Upper
78	100
77	28.3 20.2 30.4





#41
Methacrylonitrile
Concen: 4.263 ug/l
RT: 7.410 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

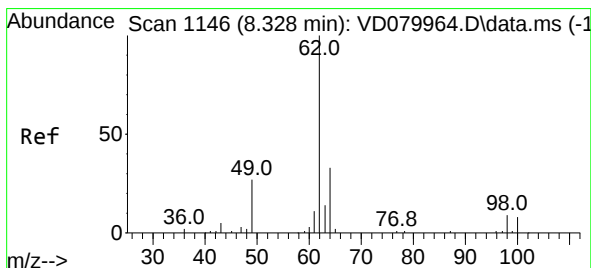
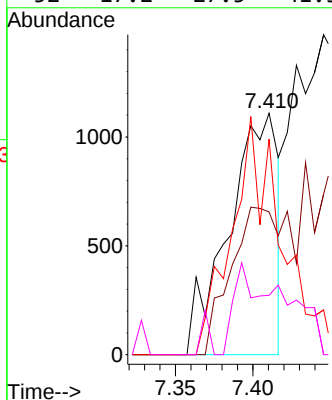
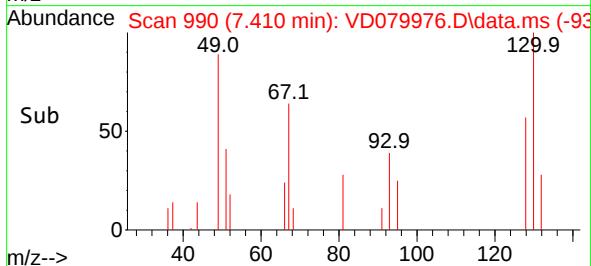
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 41 Resp: 2460
Ion Ratio Lower Upper
41 100
39 57.6 47.8 71.8
67 98.2 64.9 97.3
52 17.2 27.5 41.3#

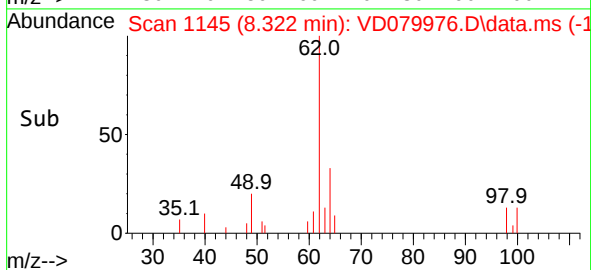
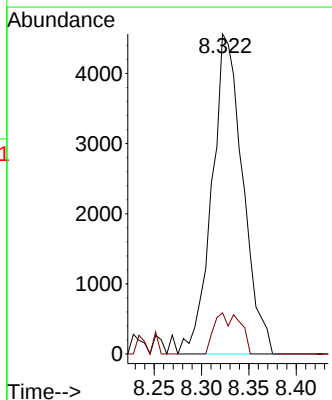
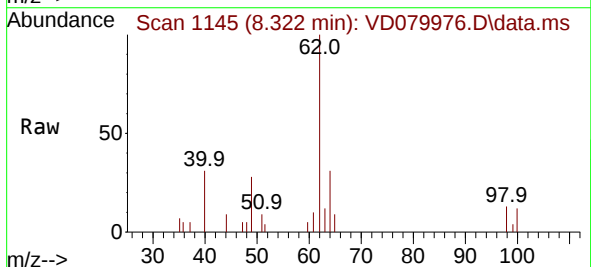
Manual Integrations
APPROVED

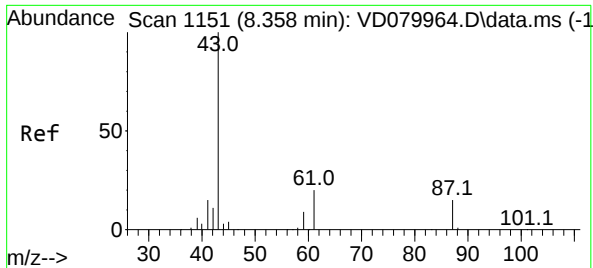
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#42
1,2-Dichloroethane
Concen: 5.237 ug/l
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

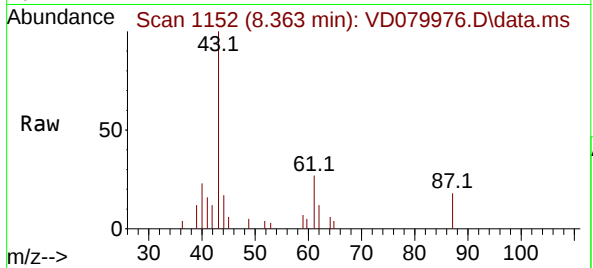
Tgt Ion: 62 Resp: 10336
Ion Ratio Lower Upper
62 100
98 10.9 0.0 19.8





#43
Isopropyl Acetate
Concen: 4.919 ug/l
RT: 8.363 min Scan# 1152
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

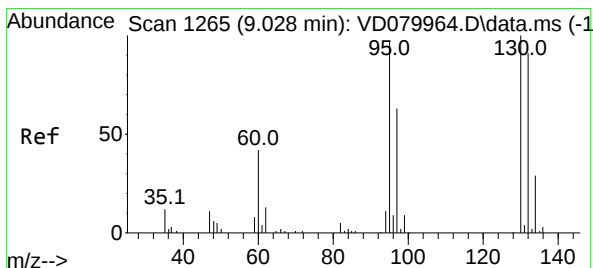
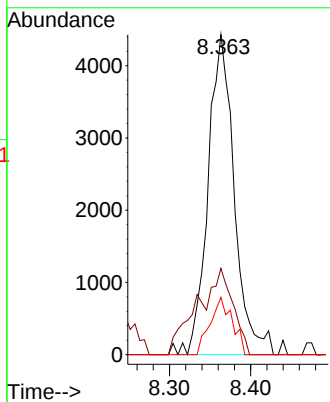
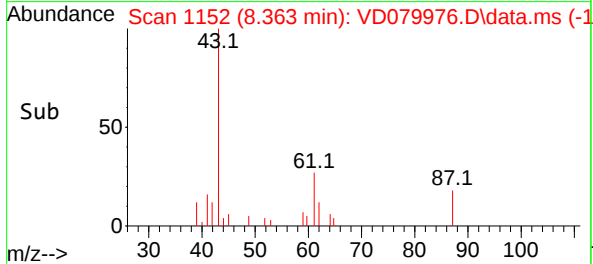
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 43 Resp: 995
Ion Ratio Lower Upper
43 100
61 36.6 26.2 39.2
87 15.1 11.8 17.8

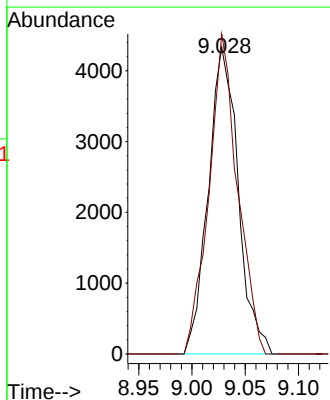
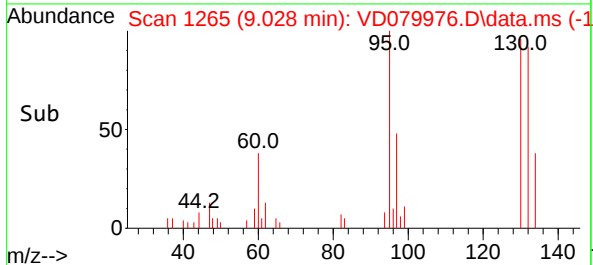
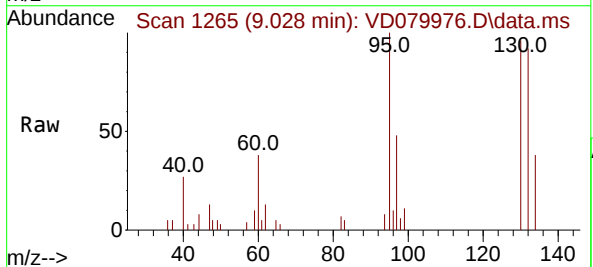
Manual Integrations
APPROVED

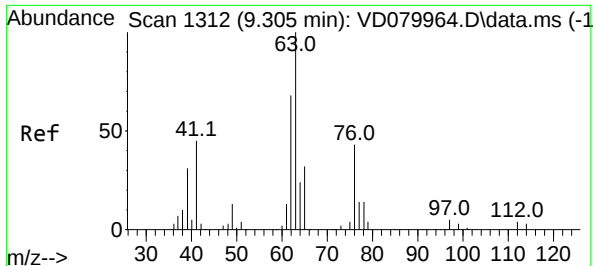
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#44
Trichloroethene
Concen: 4.766 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

Tgt Ion:130 Resp: 8461
Ion Ratio Lower Upper
130 100
95 104.3 0.0 194.6





#45

1,2-Dichloropropane

Concen: 4.542 ug/l

RT: 9.304 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion: 63 Resp: 826

Ion Ratio Lower Upper

63 100

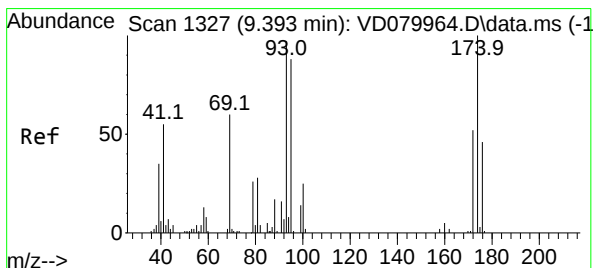
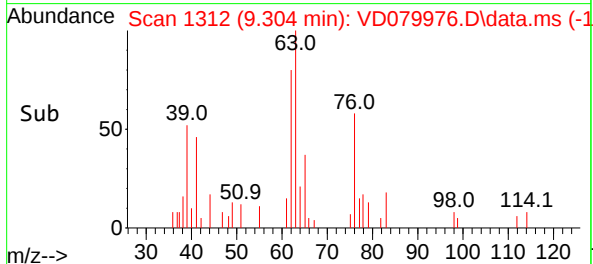
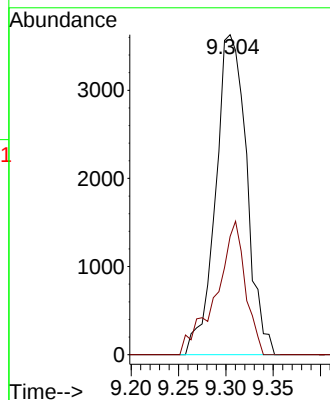
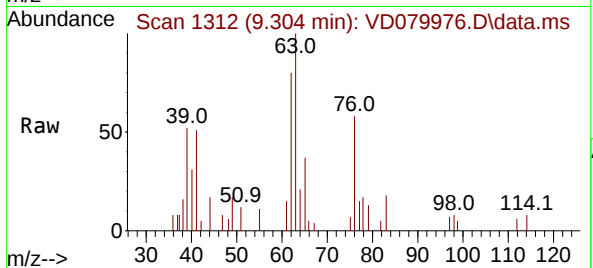
65 36.9 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024

Supervised By :Semsettin Yesilyurt 10/15/2024



#46

Dibromomethane

Concen: 4.883 ug/l

RT: 9.399 min Scan# 1328

Delta R.T. 0.006 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

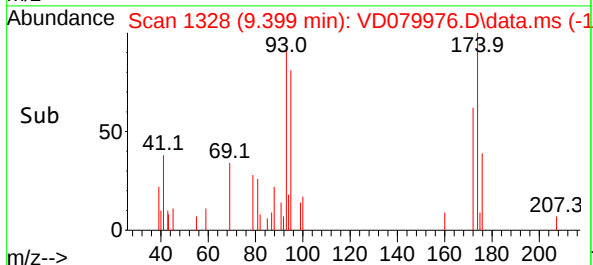
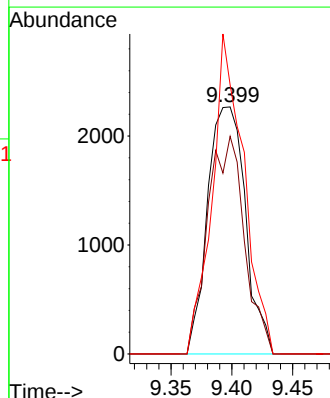
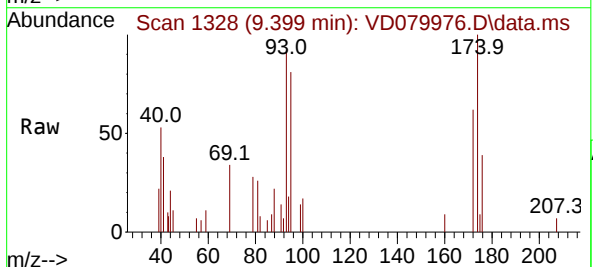
Tgt Ion: 93 Resp: 4903

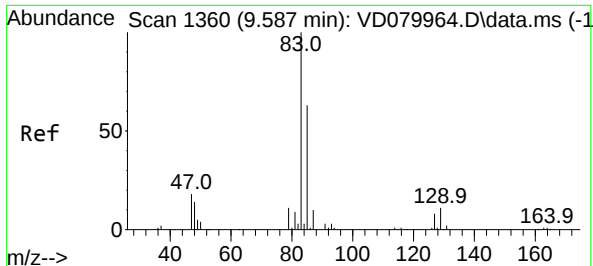
Ion Ratio Lower Upper

93 100

95 85.6 67.9 101.9

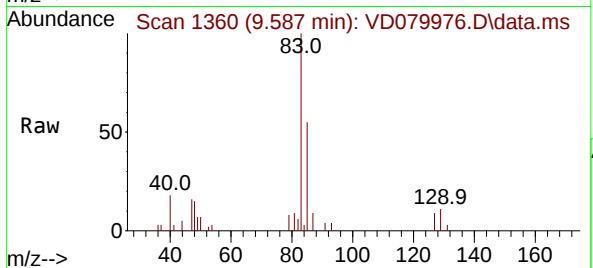
174 108.3 80.5 120.7





#47
Bromodichloromethane
Concen: 5.067 ug/l
RT: 9.587 min Scan# 1360
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

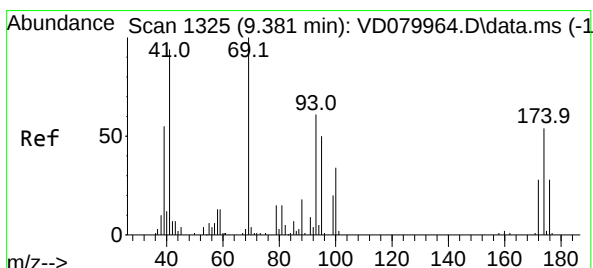
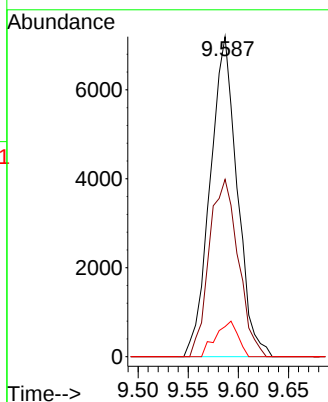
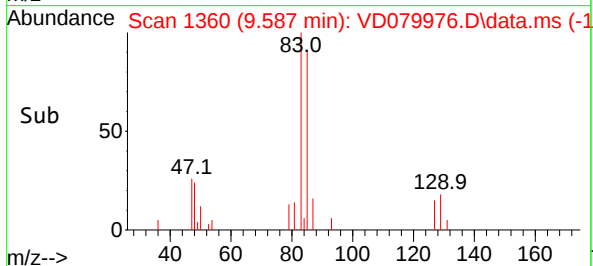
Instrument : MSVOA_D
ClientSampleId : VD079976.D
LOQ-SOIL-02-QT4-2024



Tgt Ion: 83 Resp: 13494
Ion Ratio Lower Upper
83 100
85 55.4 50.6 75.8
127 9.4 6.1 9.1

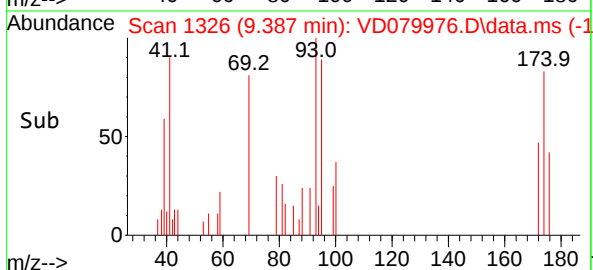
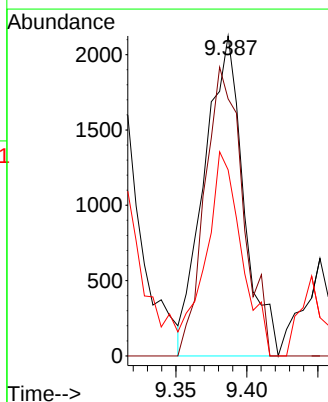
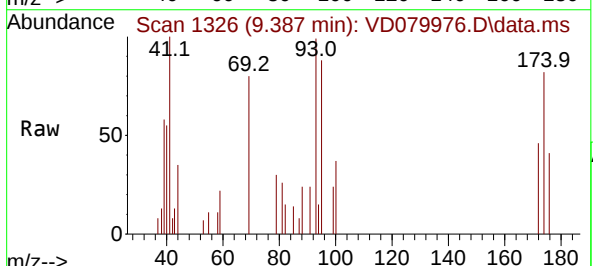
Manual Integrations
APPROVED

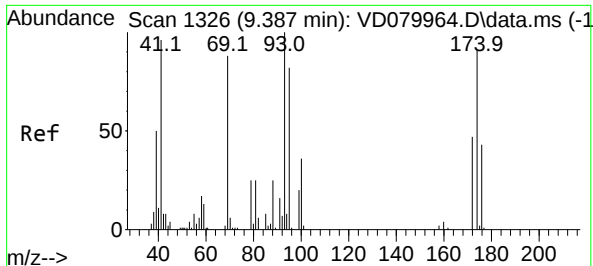
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#48
Methyl methacrylate
Concen: 4.482 ug/l
RT: 9.387 min Scan# 1326
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

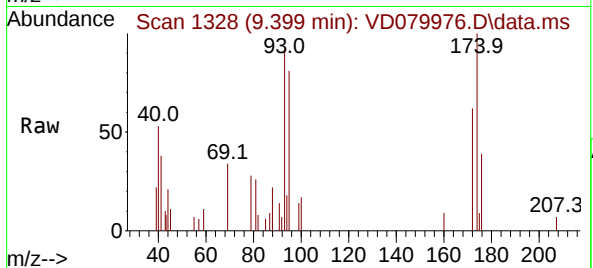
Tgt Ion: 41 Resp: 4087
Ion Ratio Lower Upper
41 100
69 87.1 74.0 111.0
39 58.2 41.9 62.9





#49
1,4-Dioxane
Concen: 98.514 ug/l
RT: 9.399 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

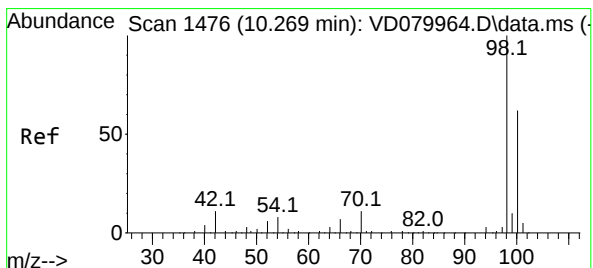
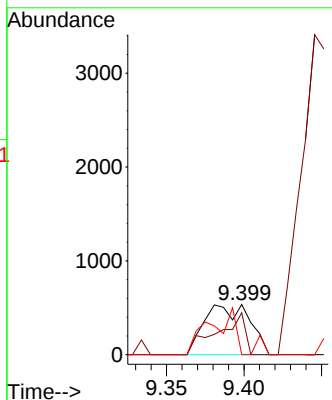
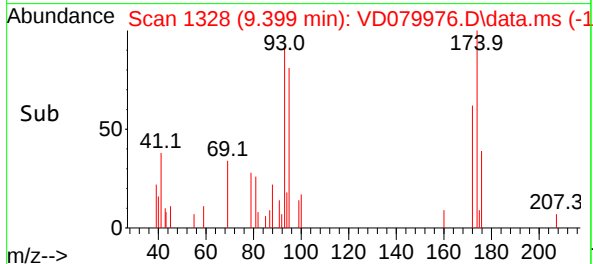
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 88 Resp: 108
Ion Ratio Lower Upper
88 100
43 51.6 29.1 43.7
58 53.1 59.9 89.9

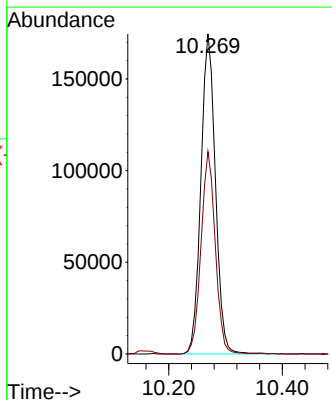
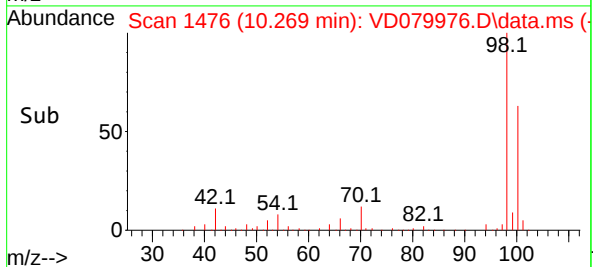
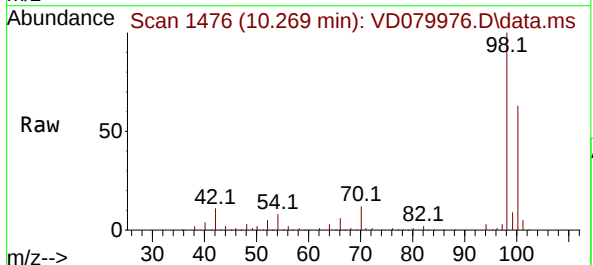
Manual Integrations
APPROVED

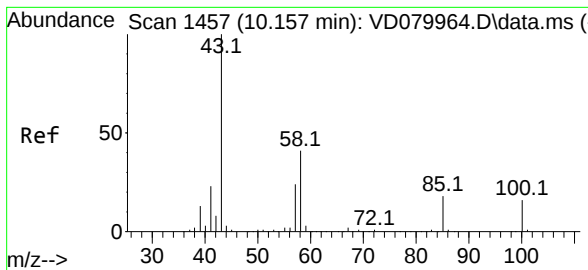
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#50
Toluene-d8
Concen: 51.311 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

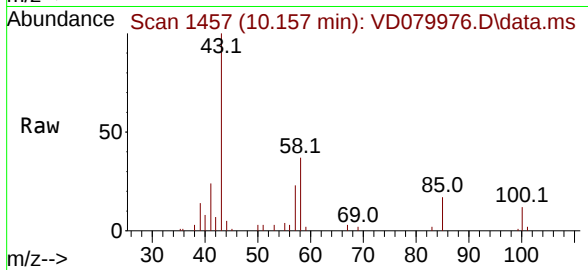
Tgt Ion: 98 Resp: 309625
Ion Ratio Lower Upper
98 100
100 61.9 50.2 75.4





#51
4-Methyl-2-Pentanone
Concen: 22.792 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

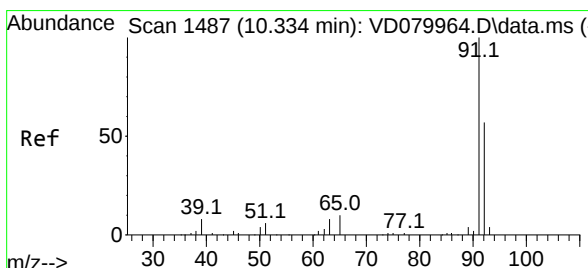
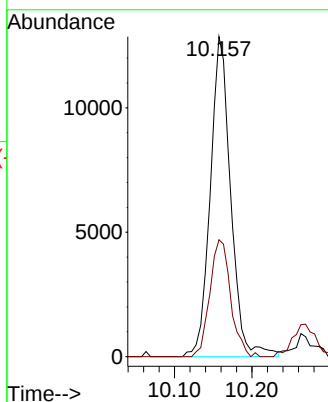
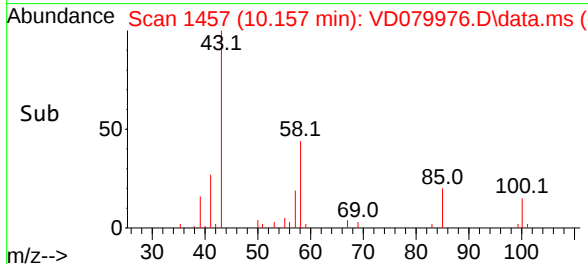
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2024



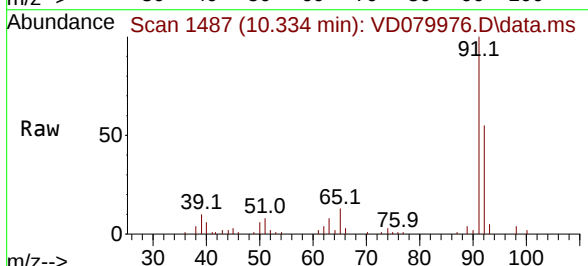
Tgt Ion: 43 Resp: 23604
Ion Ratio Lower Upper
43 100
58 37.1 32.8 49.2

Manual Integrations
APPROVED

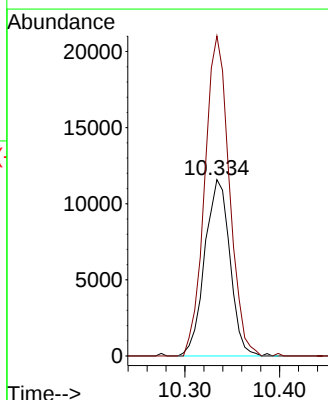
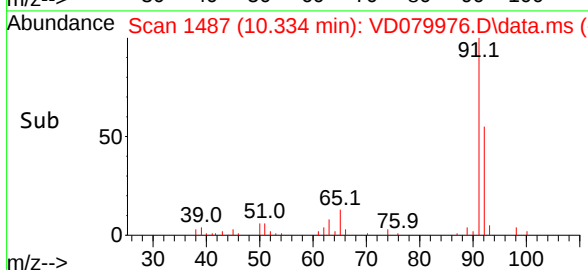
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024

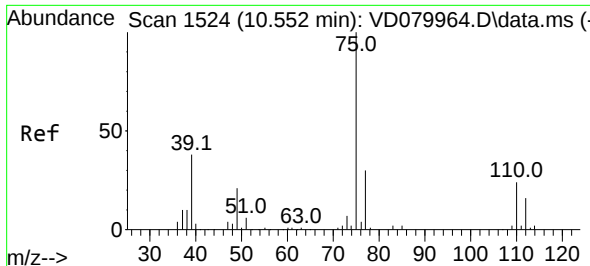


#52
Toluene
Concen: 4.874 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48



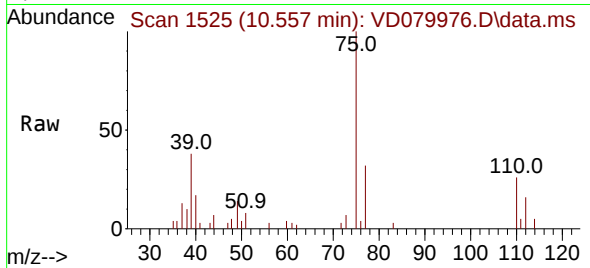
Tgt Ion: 92 Resp: 21419
Ion Ratio Lower Upper
92 100
91 177.4 139.3 208.9





#53
t-1,3-Dichloropropene
Concen: 4.627 ug/l
RT: 10.557 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

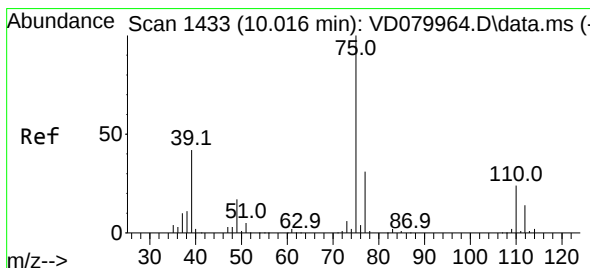
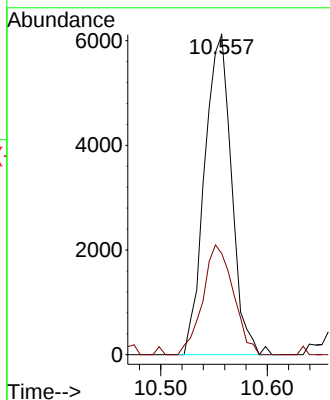
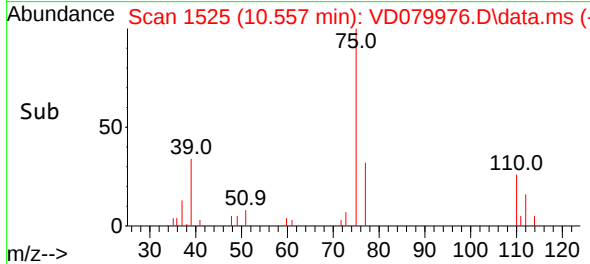
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 75 Resp: 1079
Ion Ratio Lower Upper
75 100
77 31.6 24.1 36.1

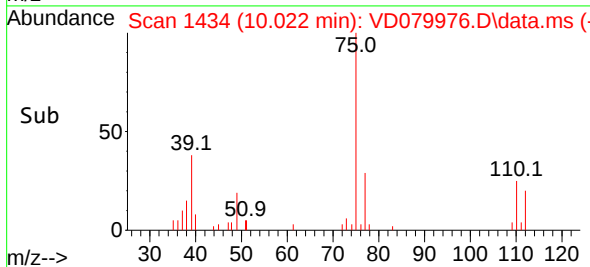
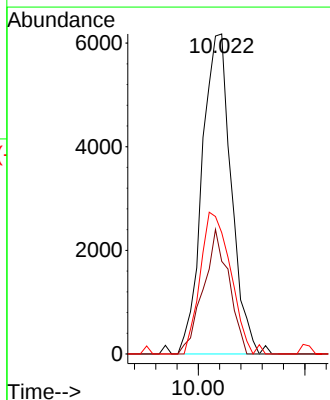
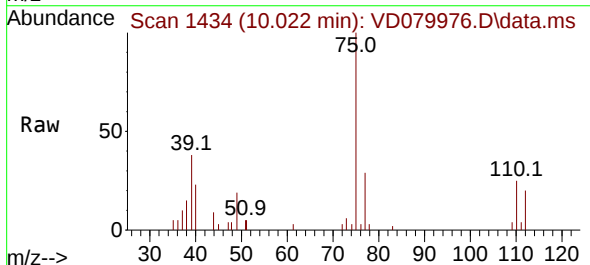
Manual Integrations
APPROVED

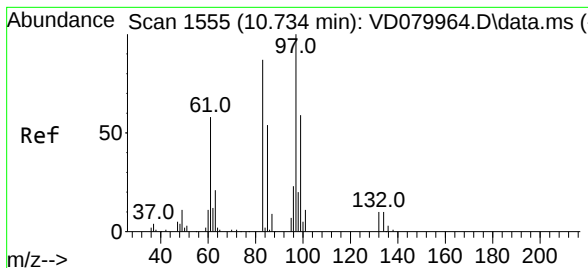
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#54
cis-1,3-Dichloropropene
Concen: 4.273 ug/l
RT: 10.022 min Scan# 1434
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

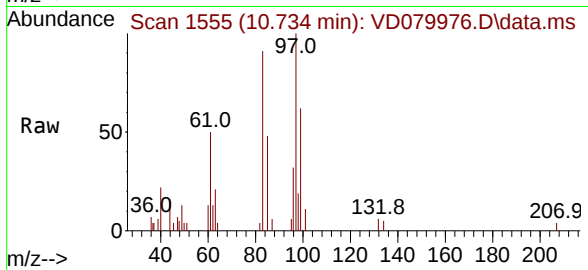
Tgt Ion: 75 Resp: 11758
Ion Ratio Lower Upper
75 100
77 29.0 25.0 37.4
39 37.9 33.2 49.8





#55
1,1,2-Trichloroethane
Concen: 5.152 ug/l
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

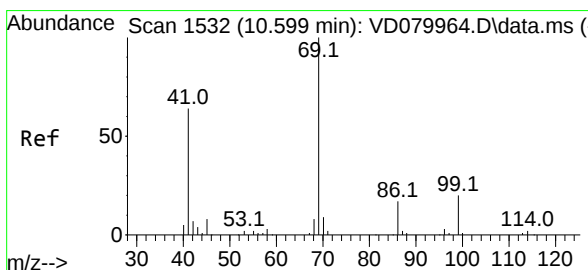
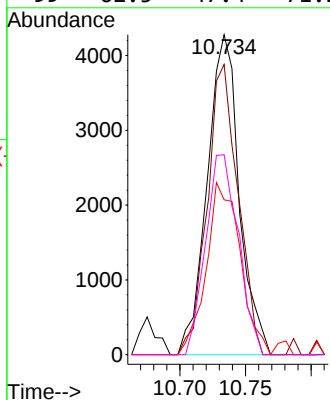
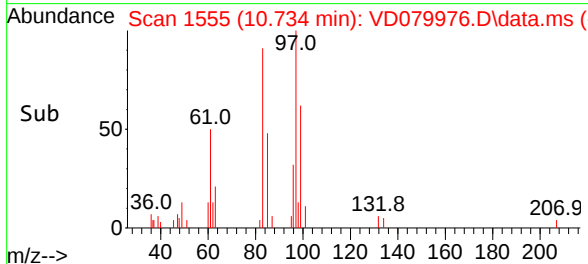
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2024



Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.7	69.2	103.8
85	48.4	43.0	64.6
99	62.5	47.4	71.2

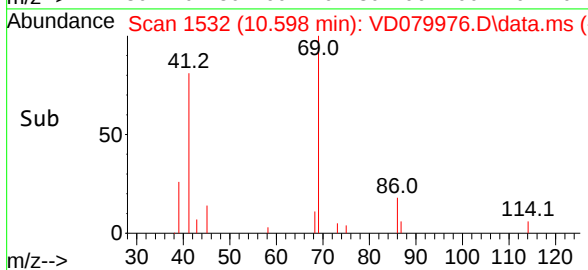
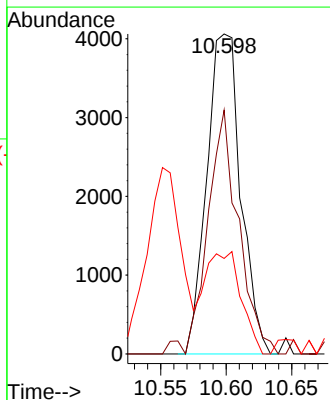
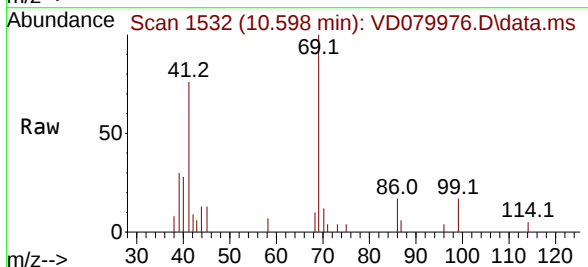
Manual Integrations
APPROVED

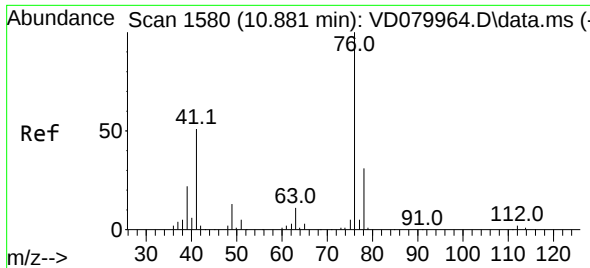
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#56
Ethyl methacrylate
Concen: 4.443 ug/l
RT: 10.598 min Scan# 1532
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.7	50.4	75.6
39	34.5	26.0	39.0





#57

1,3-Dichloropropane

Concen: 4.703 ug/l

RT: 10.881 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

Instrument :

MSVOA_D

ClientSampleId :

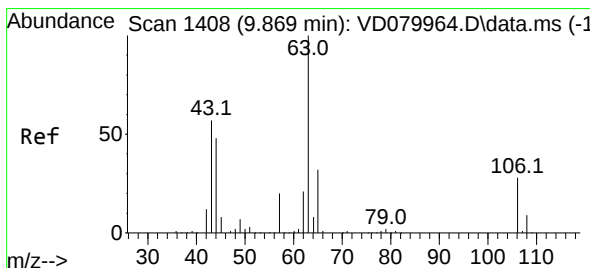
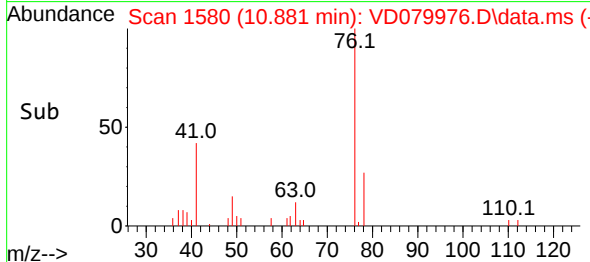
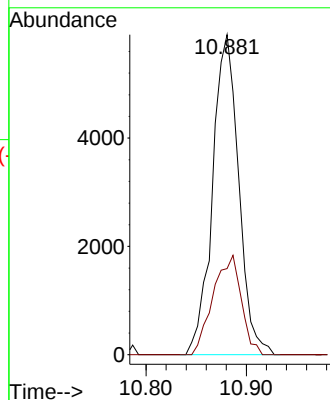
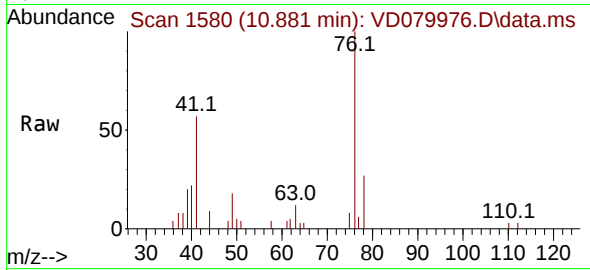
LOQ-SOIL-02-QT4-2024

Tgt Ion: 76 Resp: 1070
 Ion Ratio Lower Upper
 76 100
 78 33.3 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024
 Supervised By :Semsettin Yesilyurt 10/15/2024



#58

2-Chloroethyl Vinyl ether

Concen: 22.005 ug/l

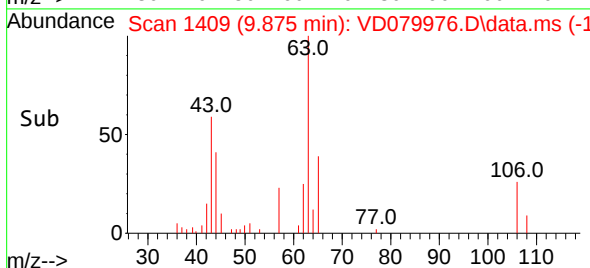
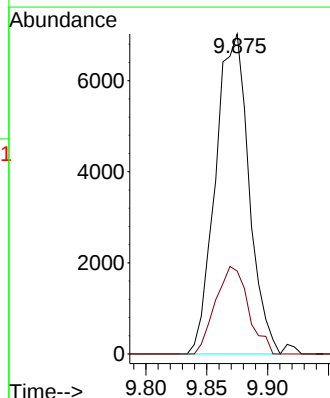
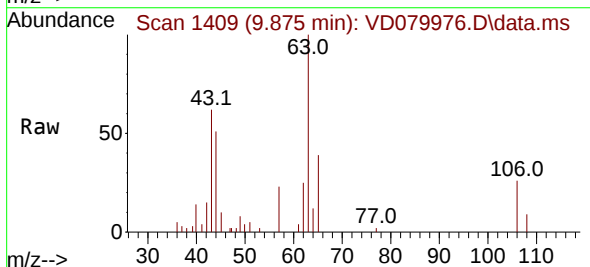
RT: 9.875 min Scan# 1409

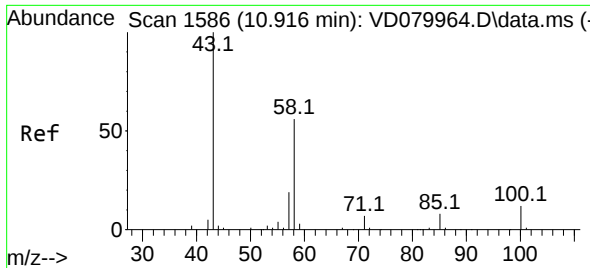
Delta R.T. 0.006 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

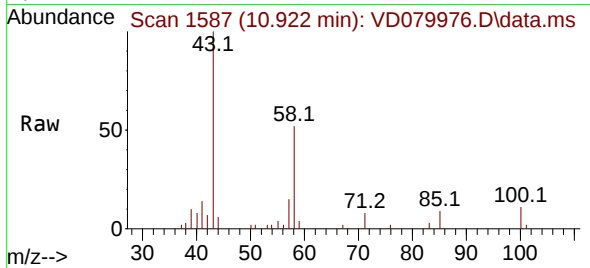
Tgt Ion: 63 Resp: 13418
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.8 32.6





#59
2-Hexanone
Concen: 21.876 ug/l
RT: 10.922 min Scan# 1586
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

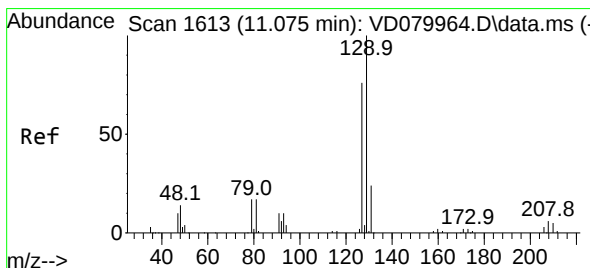
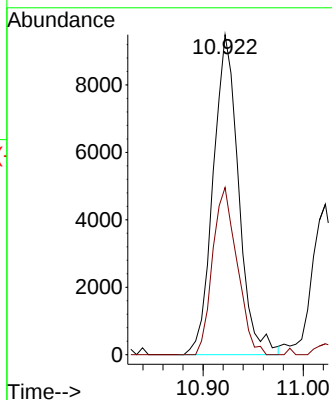
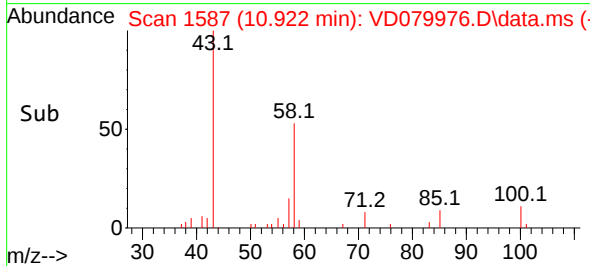
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 43 Resp: 16779
Ion Ratio Lower Upper
43 100
58 50.1 27.8 83.4

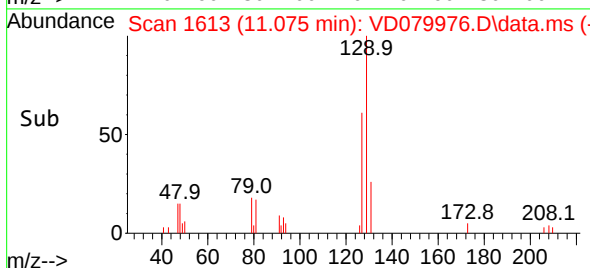
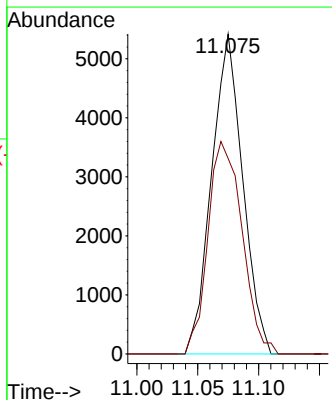
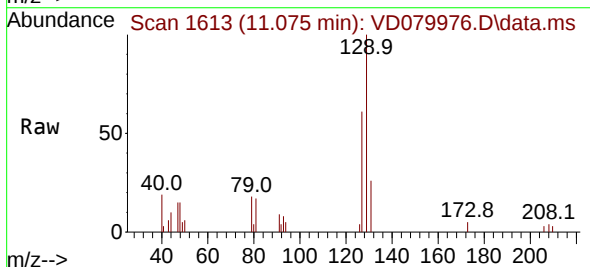
Manual Integrations
APPROVED

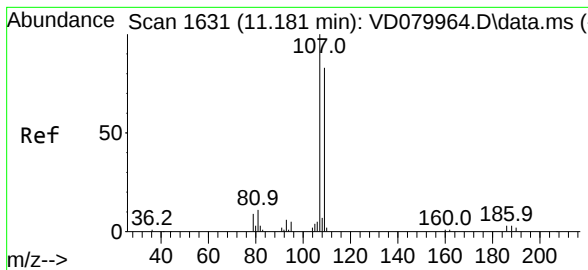
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#60
Dibromochloromethane
Concen: 5.259 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

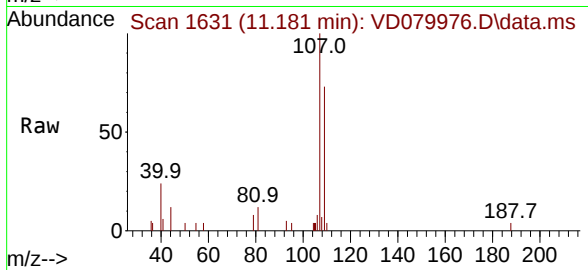
Tgt Ion:129 Resp: 9638
Ion Ratio Lower Upper
129 100
127 72.8 38.4 115.2





#61
1,2-Dibromoethane
Concen: 5.046 ug/l
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

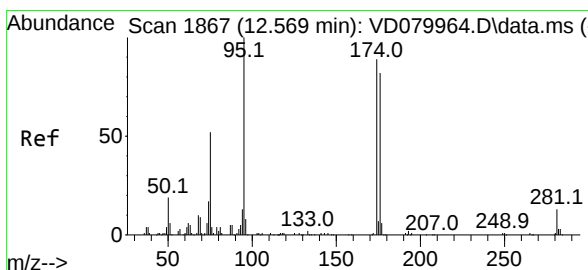
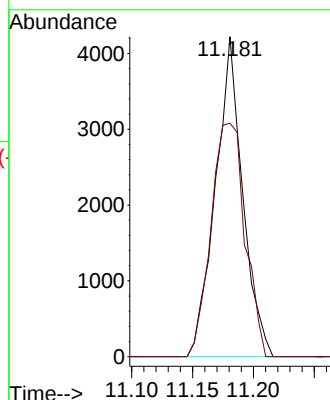
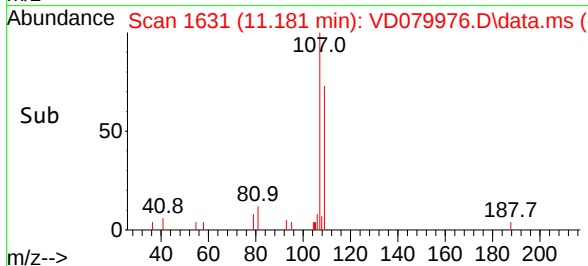
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2024



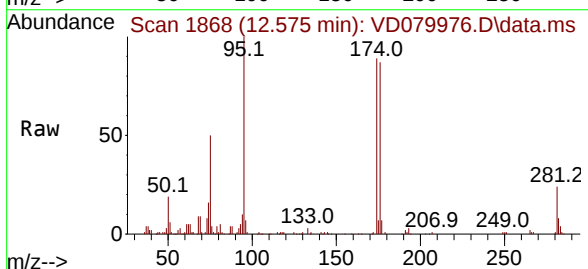
Tgt Ion:107 Resp: 6550
Ion Ratio Lower Upper
107 100
109 91.1 73.9 110.9

Manual Integrations
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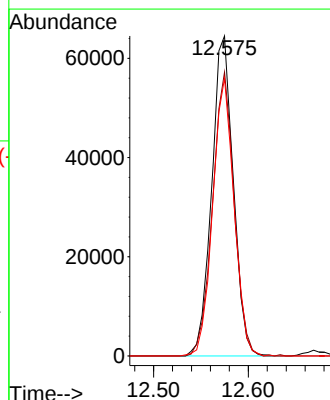
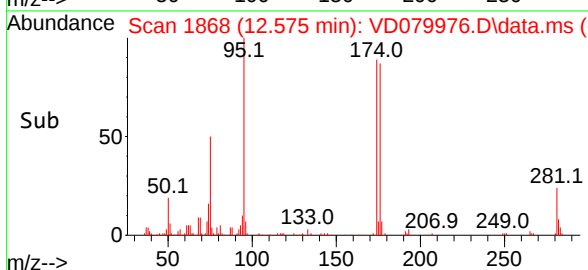
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024

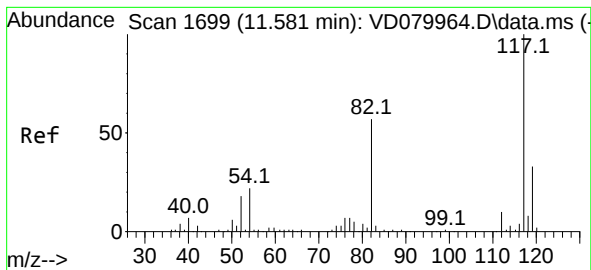


#62
4-Bromofluorobenzene
Concen: 48.480 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48



Tgt Ion: 95 Resp: 102121
Ion Ratio Lower Upper
95 100
174 88.3 0.0 173.4
176 85.6 0.0 166.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2024

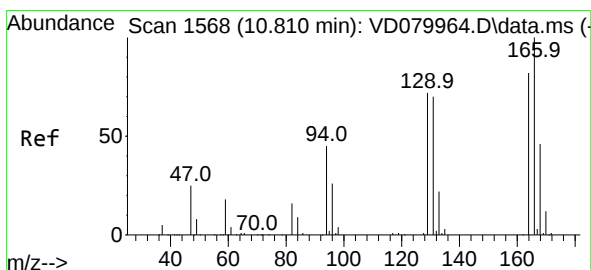
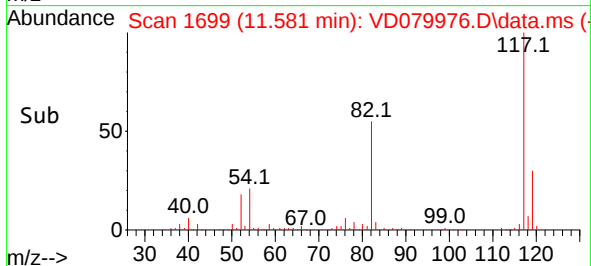
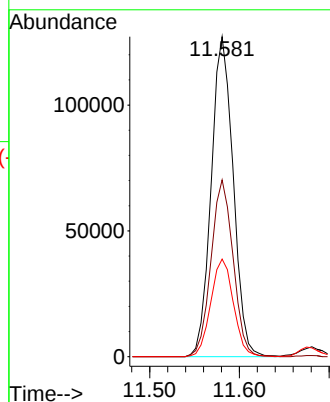
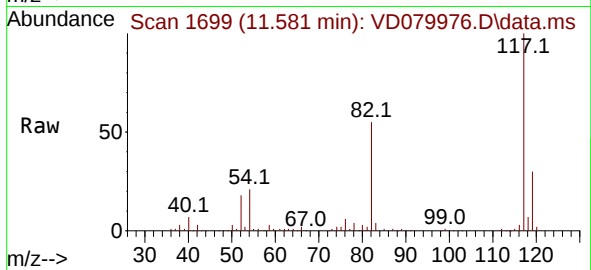
Tgt Ion:117 Resp: 21659

Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.8	68.6
119	30.5	26.2	39.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#64

Tetrachloroethene

Concen: 4.535 ug/l

RT: 10.804 min Scan# 1567

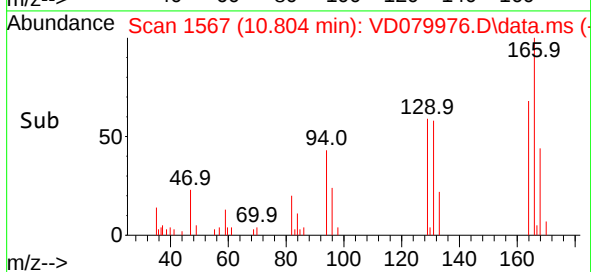
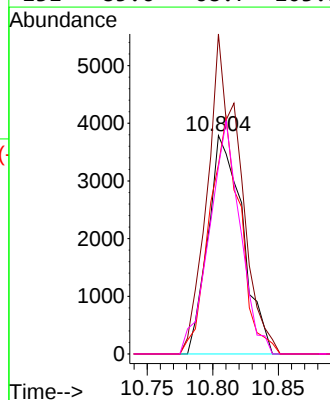
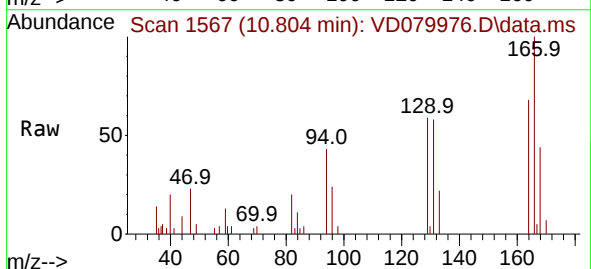
Delta R.T. -0.006 min

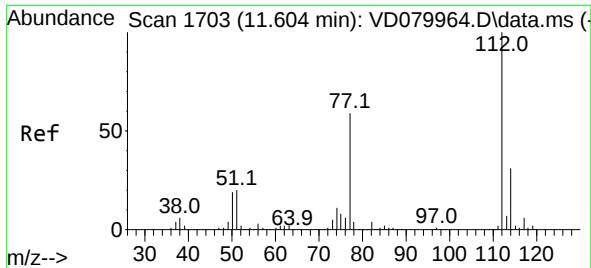
Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

Tgt Ion:164 Resp: 6928

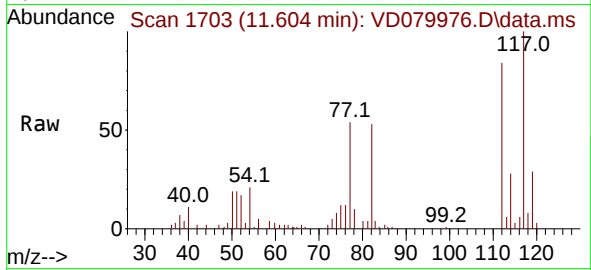
Ion	Ratio	Lower	Upper
164	100		
166	146.5	97.5	146.3#
129	86.7	70.6	106.0
131	85.6	68.7	103.1





#65
Chlorobenzene
Concen: 4.947 ug/l
RT: 11.604 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

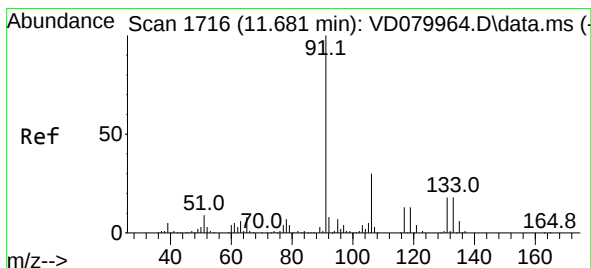
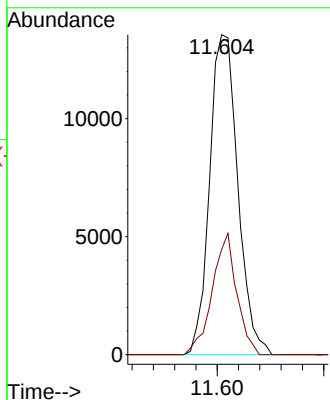
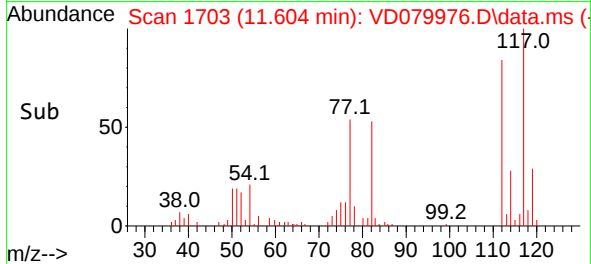
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:112 Resp: 2493
Ion Ratio Lower Upper
112 100
114 33.0 24.6 37.0

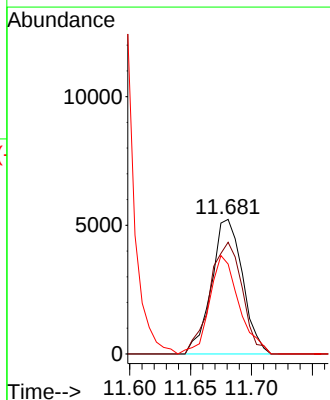
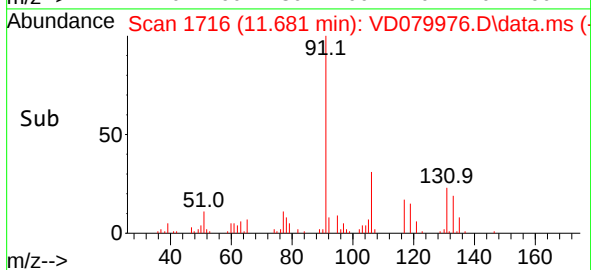
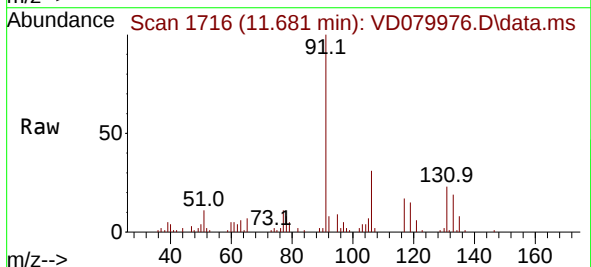
Manual Integrations
APPROVED

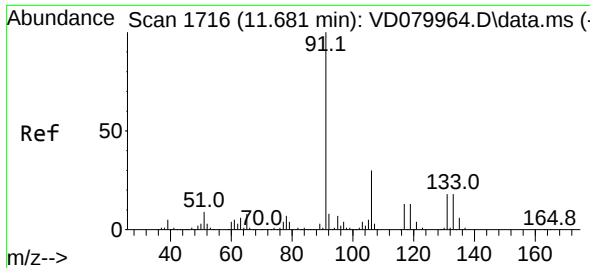
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#66
1,1,1,2-Tetrachloroethane
Concen: 5.137 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

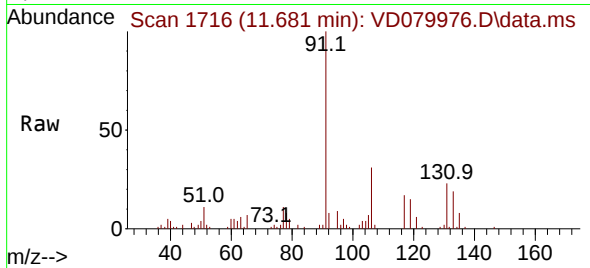
Tgt Ion:131 Resp: 9302
Ion Ratio Lower Upper
131 100
133 86.3 48.8 146.4
119 68.8 34.8 104.3





#67
Ethyl Benzene
Concen: 4.280 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

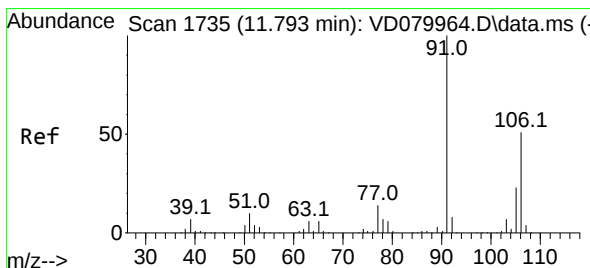
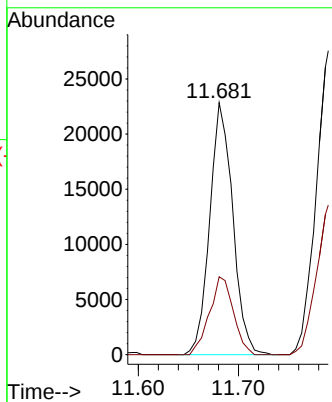
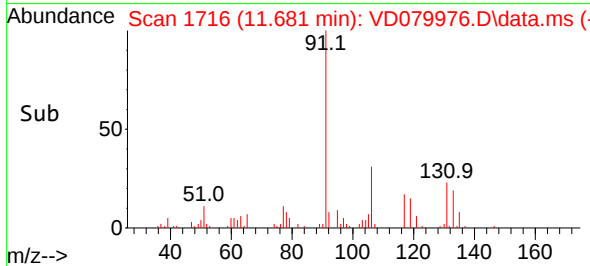
Instrument : MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2024



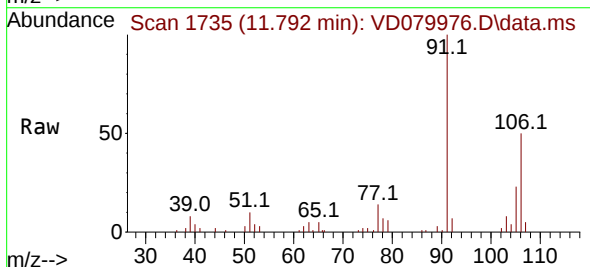
Tgt Ion: 91 Resp: 36494
Ion Ratio Lower Upper
91 100
106 30.9 23.6 35.4

Manual Integrations
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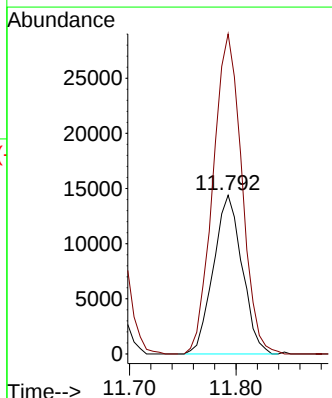
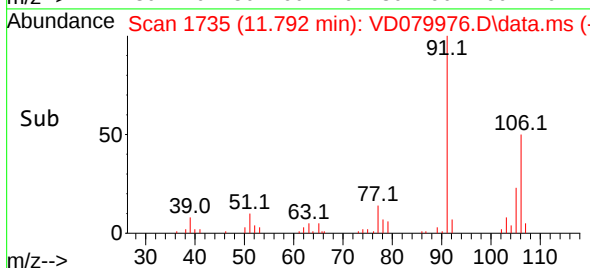
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024

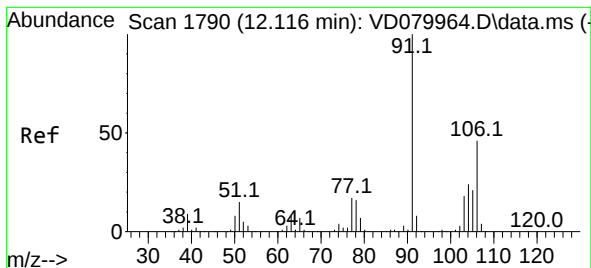


#68
m/p-Xylenes
Concen: 8.240 ug/l
RT: 11.792 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48



Tgt Ion:106 Resp: 26962
Ion Ratio Lower Upper
106 100
91 202.4 162.6 244.0





#69

o-Xylene

Concen: 4.211 ug/l

RT: 12.122 min Scan# 1791

Delta R.T. 0.006 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:106 Resp: 12749

Ion Ratio Lower Upper

106 100

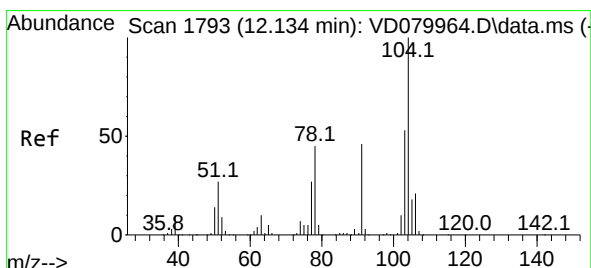
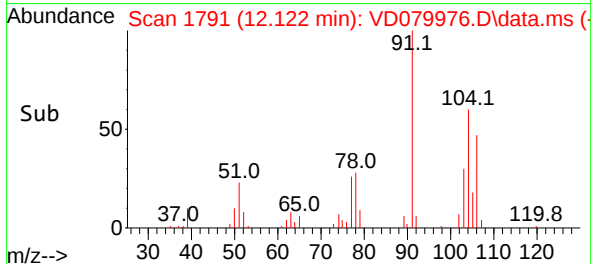
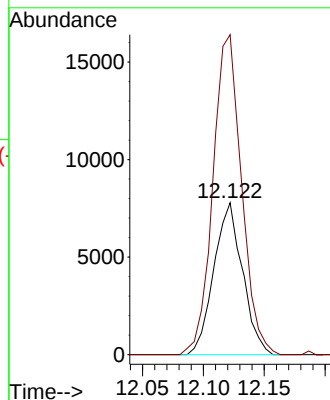
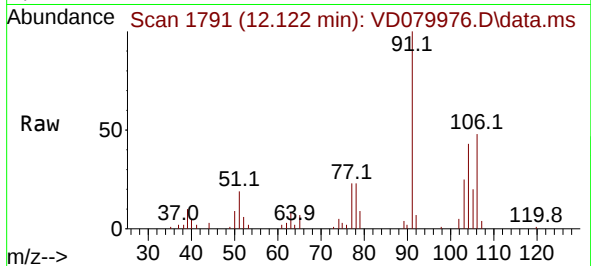
91 210.4 110.5 331.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024

Supervised By :Semsettin Yesilyurt 10/15/2024



#70

Styrene

Concen: 4.055 ug/l

RT: 12.134 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

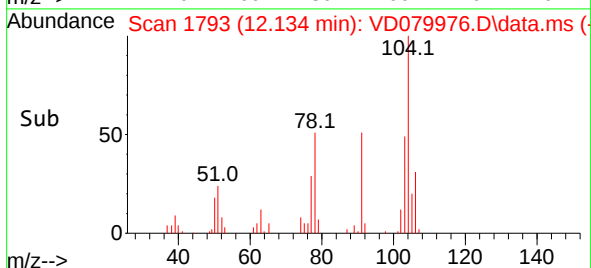
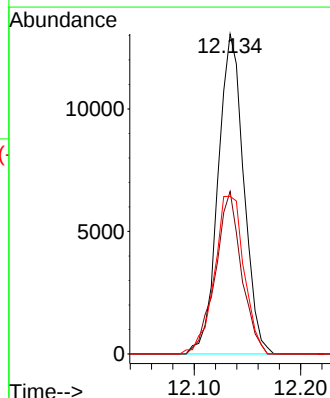
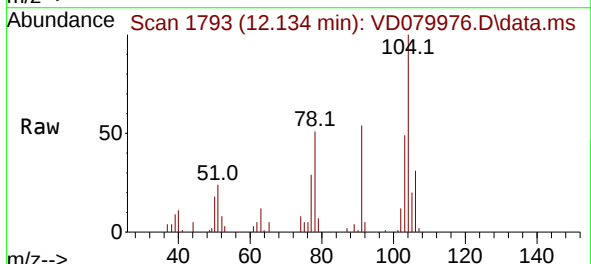
Tgt Ion:104 Resp: 21846

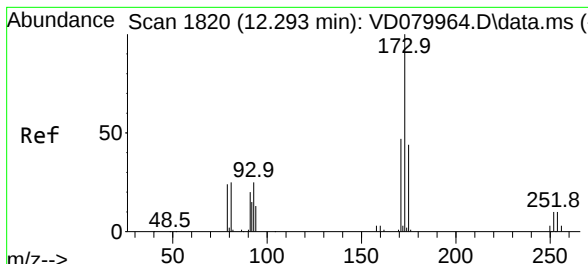
Ion Ratio Lower Upper

104 100

78 51.5 39.8 59.8

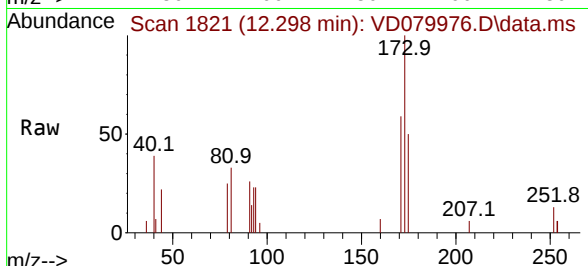
103 56.7 45.2 67.8





#71
Bromoform
Concen: 5.086 ug/l
RT: 12.298 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

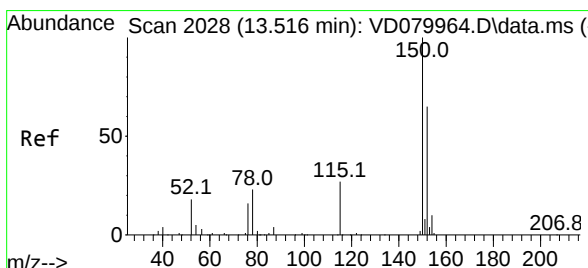
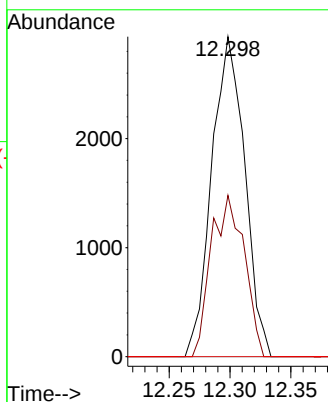
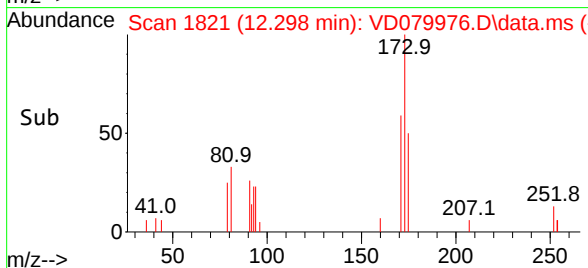
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2024



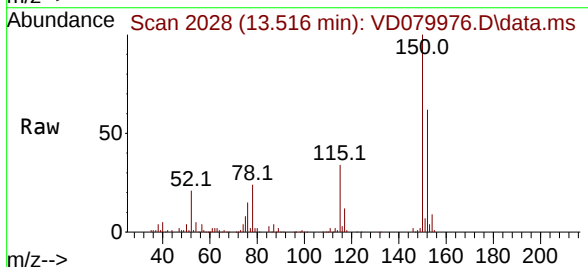
Tgt Ion:173 Resp: 5539
Ion Ratio Lower Upper
173 100
175 50.6 24.8 74.3
254 0.0 0.0 0.0

Manual Integrations
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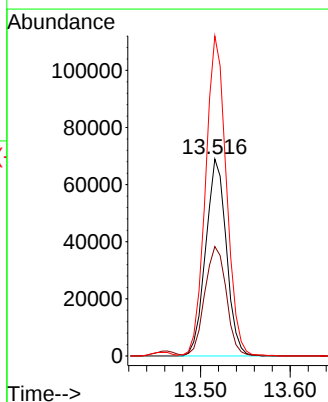
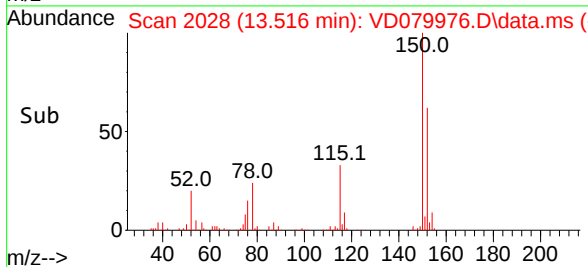
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024

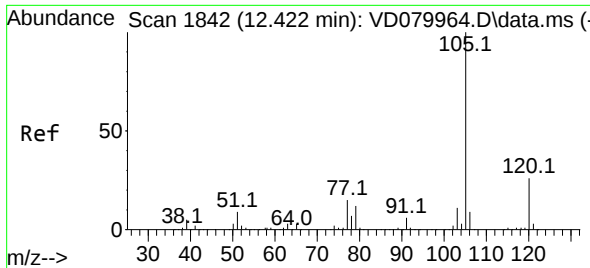


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48



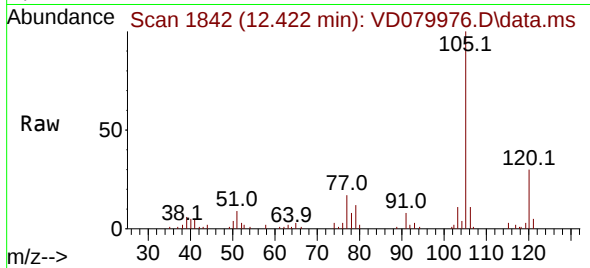
Tgt Ion:152 Resp: 110294
Ion Ratio Lower Upper
152 100
115 58.0 28.9 86.8
150 163.7 0.0 354.8





#73
Isopropylbenzene
Concen: 4.232 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

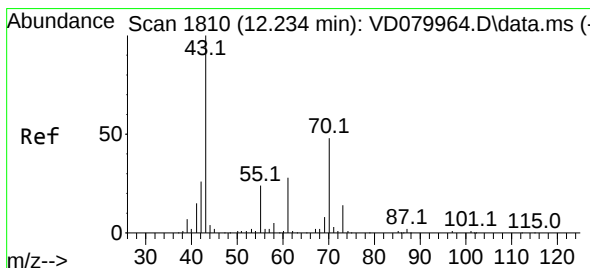
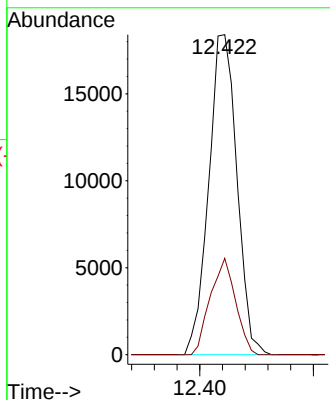
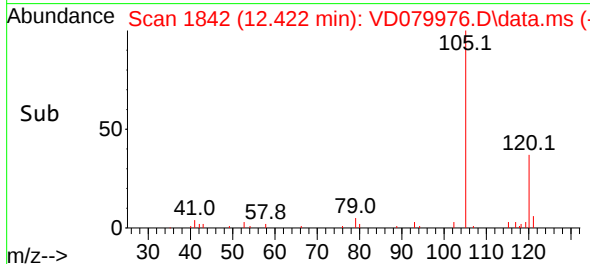
Instrument : MSVOA_D
ClientSampleId : VD079976.D
LOQ-SOIL-02-QT4-2024



Tgt Ion:105 Resp: 31752
Ion Ratio Lower Upper
105 100
120 27.0 13.3 39.9

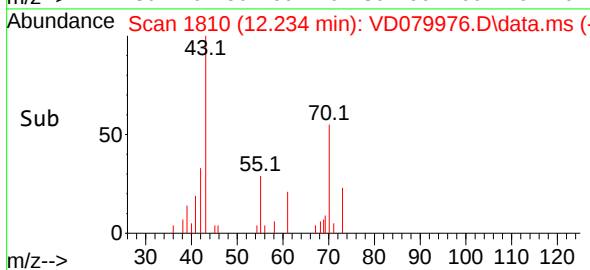
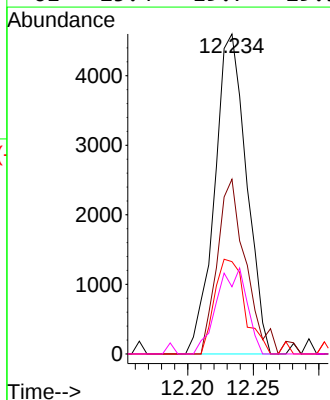
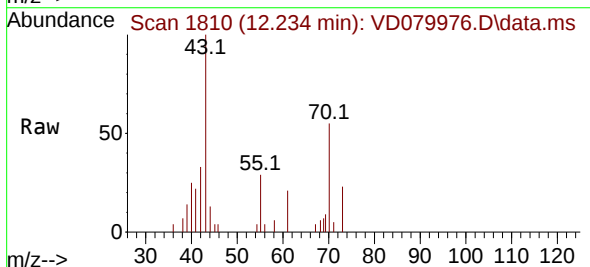
Manual Integrations
APPROVED

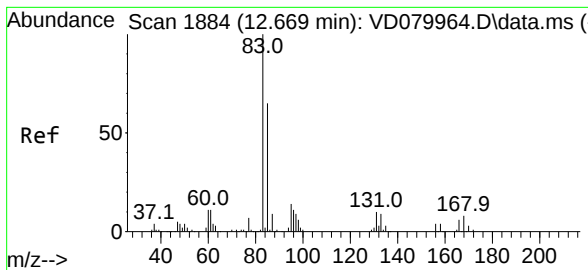
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#74
N-ethyl acetate
Concen: 4.282 ug/l
RT: 12.234 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

Tgt Ion: 43 Resp: 7770
Ion Ratio Lower Upper
43 100
70 50.1 36.3 54.5
55 28.1 20.3 30.5
61 25.4 19.7 29.5





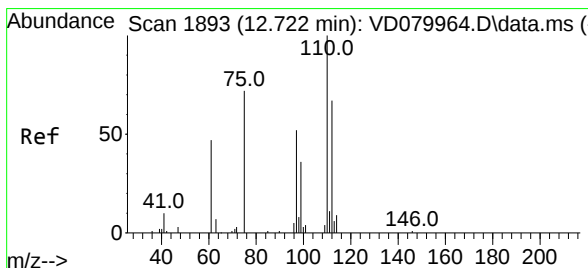
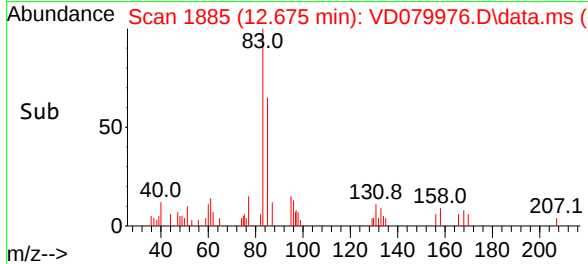
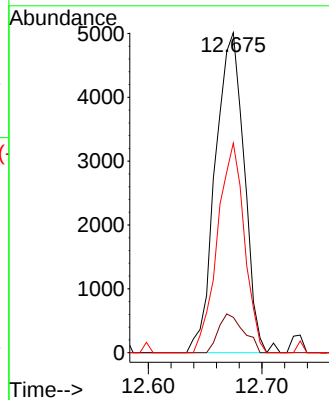
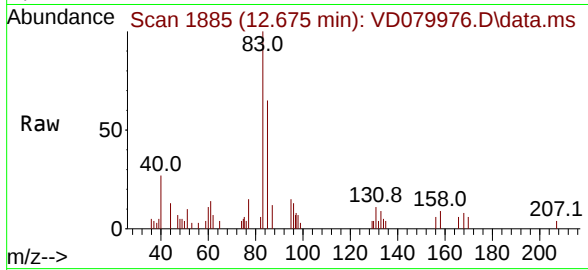
#75
1,1,2,2-Tetrachloroethane
Concen: 5.829 ug/l
RT: 12.675 min Scan# 1885
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2024

Tgt Ion: 83 Resp: 886
Ion Ratio Lower Upper
83 100
131 10.6 5.1 15.3
85 61.0 32.9 98.6

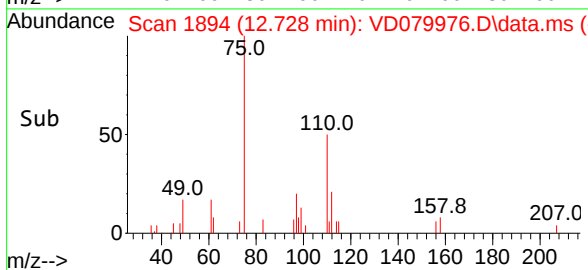
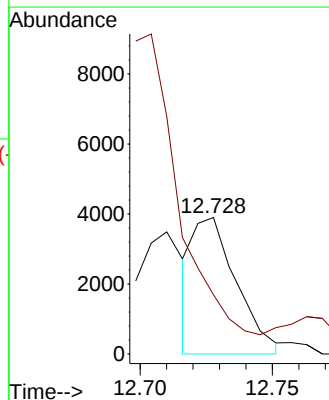
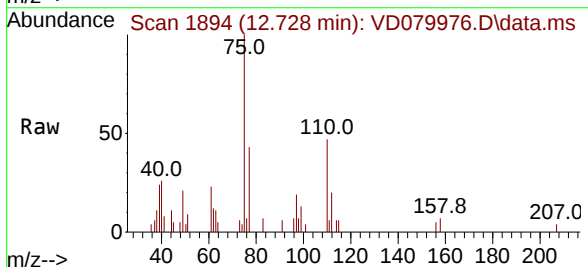
Manual Integrations
APPROVED

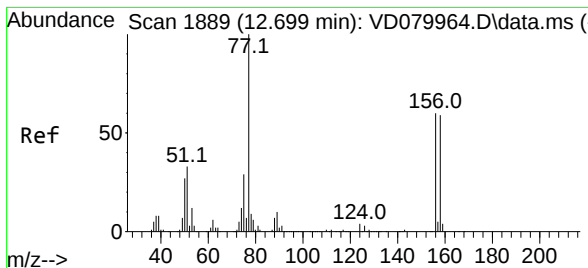
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#76
1,2,3-Trichloropropane
Concen: 3.674 ug/l m
RT: 12.728 min Scan# 1894
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

Tgt Ion: 75 Resp: 4471
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 5.216 ug/l

RT: 12.698 min Scan# 1889

Delta R.T. -0.000 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

Instrument :

MSVOA_D

ClientSampleId :

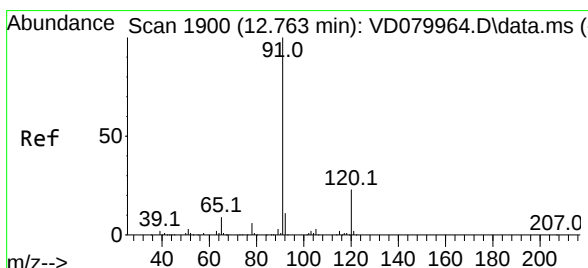
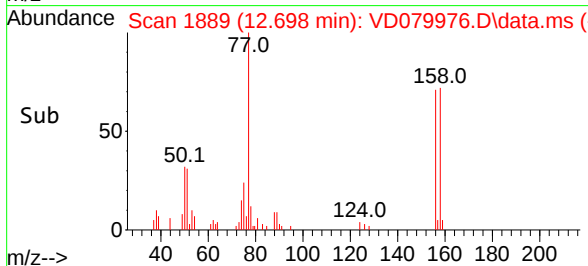
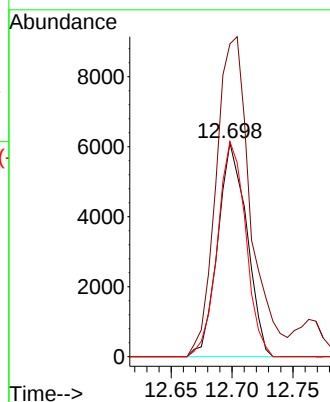
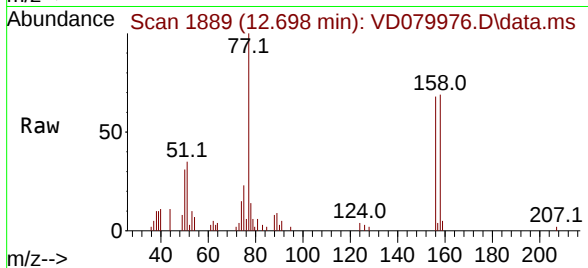
LOQ-SOIL-02-QT4-2024

Tgt Ion:	156	Resp:	1012
Ion Ratio	Lower	Upper	
156	100		
77	177.8	89.8	269.6
158	97.9	47.9	143.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#78

n-propylbenzene

Concen: 4.600 ug/l

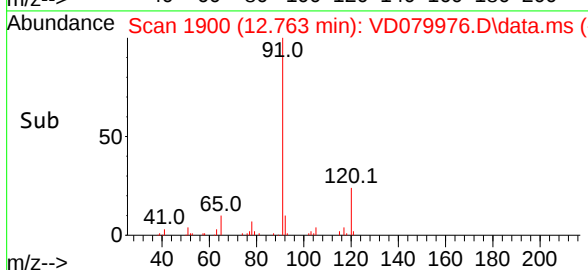
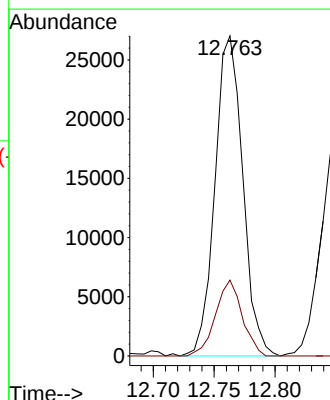
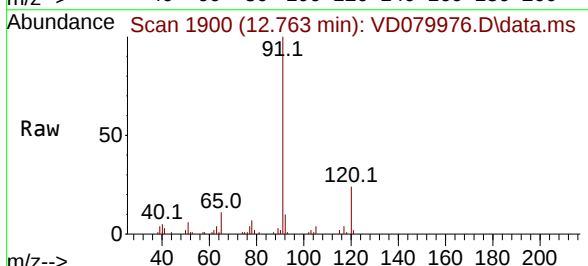
RT: 12.763 min Scan# 1900

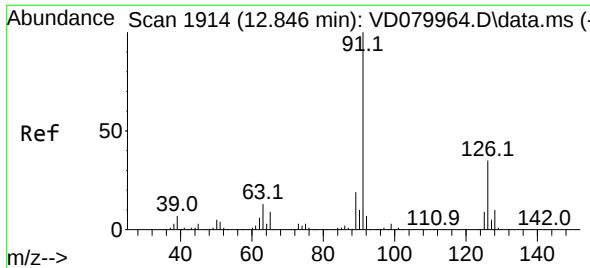
Delta R.T. -0.000 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

Tgt Ion:	91	Resp:	42907
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.2	33.5





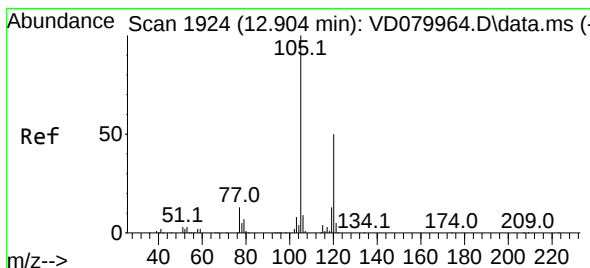
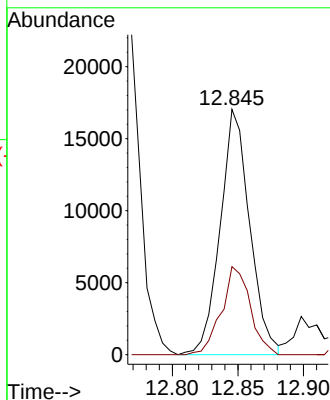
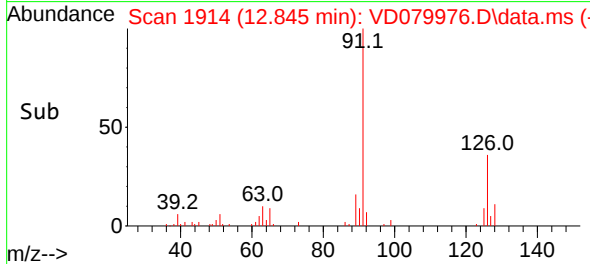
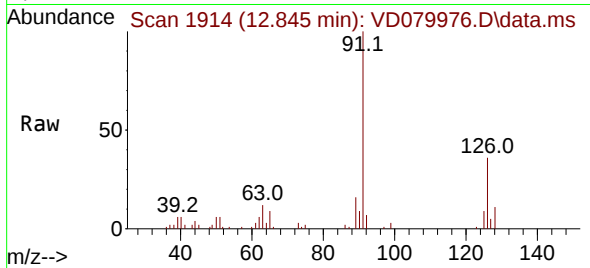
#79
2-Chlorotoluene
Concen: 4.930 ug/l
RT: 12.845 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2024

Tgt Ion: 91 Resp: 26718
Ion Ratio Lower Upper
91 100
126 34.9 17.2 51.5

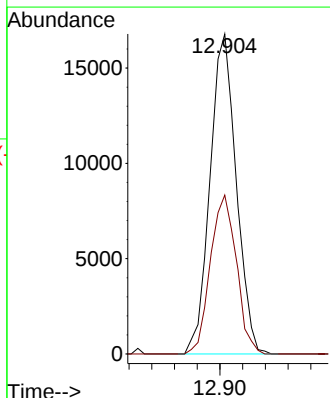
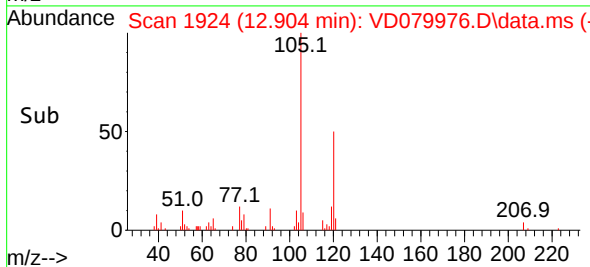
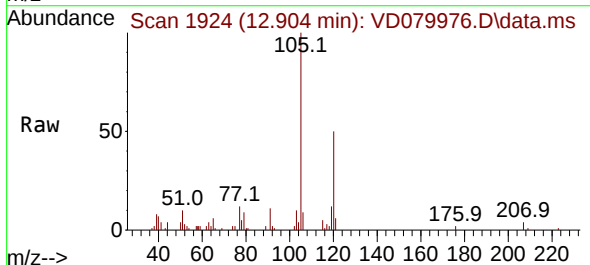
Manual Integrations
APPROVED

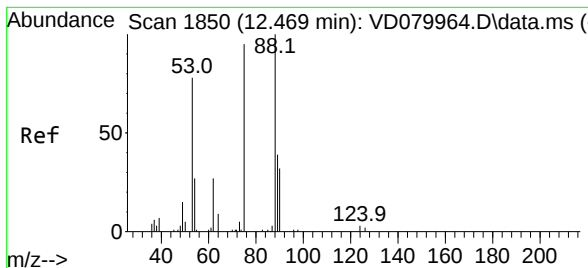
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#80
1,3,5-Trimethylbenzene
Concen: 4.260 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

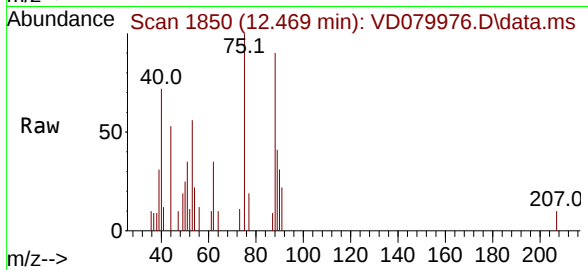
Tgt Ion:105 Resp: 26937
Ion Ratio Lower Upper
105 100
120 49.2 25.0 75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 4.743 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

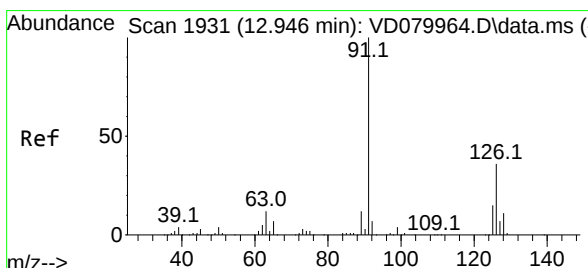
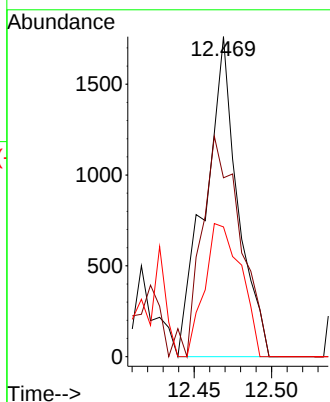
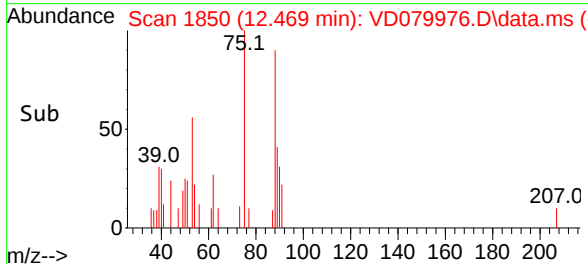
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2024



Tgt Ion: 75 Resp: 2580
Ion Ratio Lower Upper
75 100
53 81.6 68.7 103.1
89 46.2 36.1 54.1

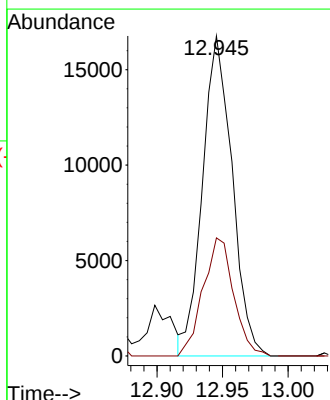
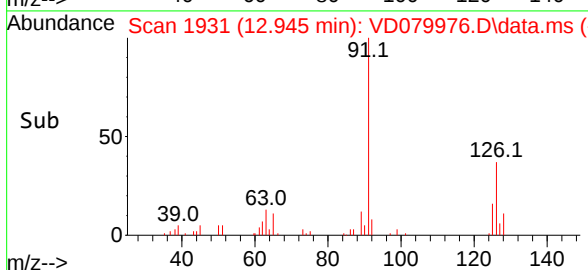
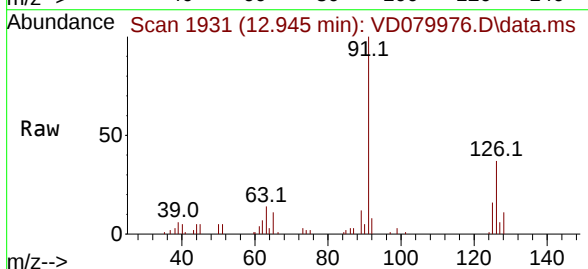
Manual Integrations
APPROVED

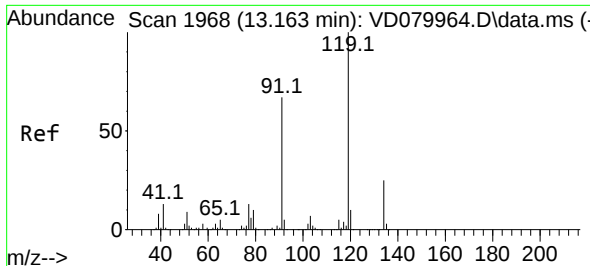
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#82
4-Chlorotoluene
Concen: 4.520 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

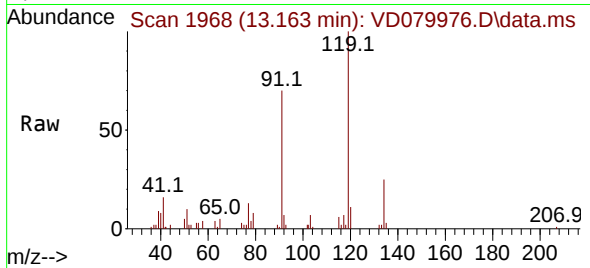
Tgt Ion: 91 Resp: 26315
Ion Ratio Lower Upper
91 100
126 38.2 16.8 50.3





#83
tert-Butylbenzene
Concen: 4.537 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

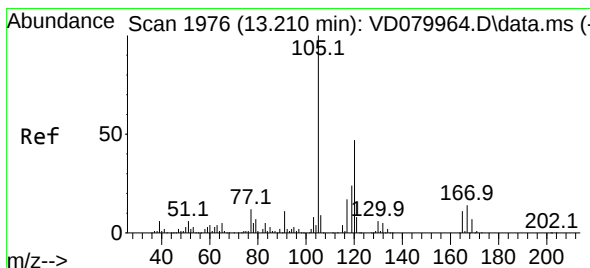
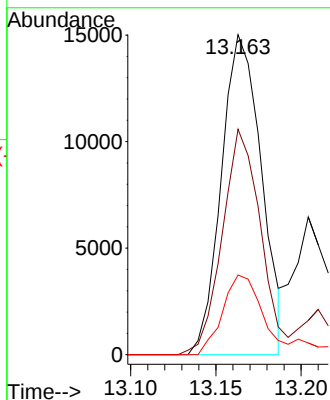
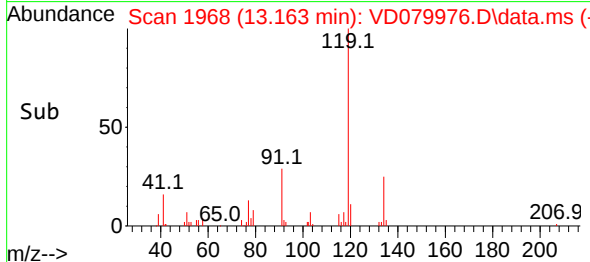
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2024



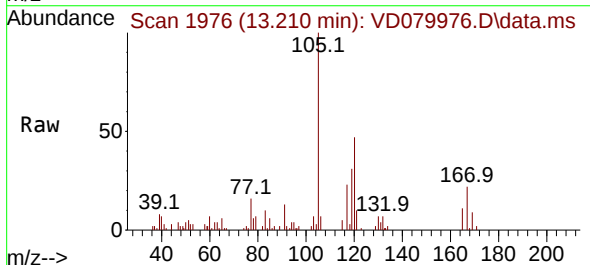
Tgt Ion:119 Resp: 2458
Ion Ratio Lower Upper
119 100
91 67.3 33.3 99.9
134 24.5 13.5 40.5

Manual Integrations
APPROVED

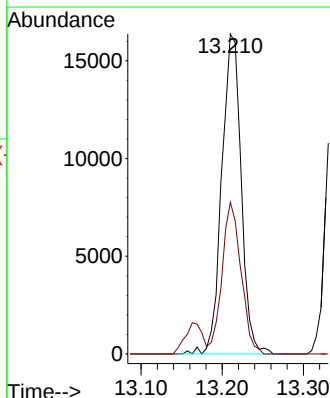
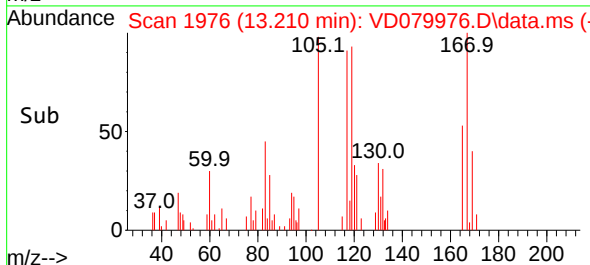
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024

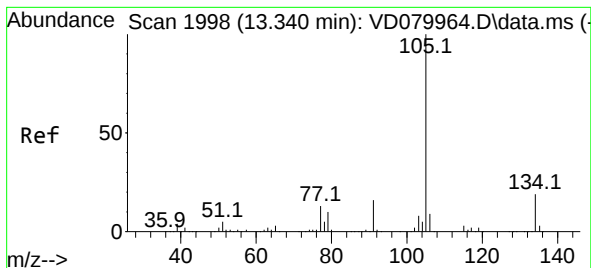


#84
1,2,4-Trimethylbenzene
Concen: 4.286 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48



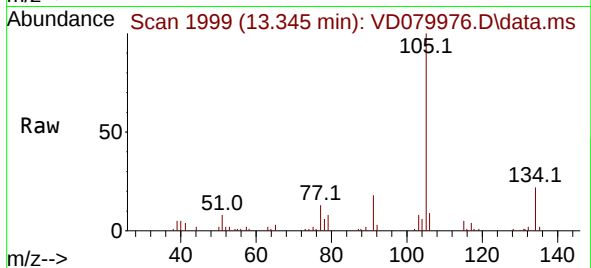
Tgt Ion:105 Resp: 27215
Ion Ratio Lower Upper
105 100
120 46.4 22.8 68.4





#85
 sec-Butylbenzene
 Concen: 4.389 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. 0.006 min
 Lab File: VD079976.D
 Acq: 14 Oct 2024 13:48

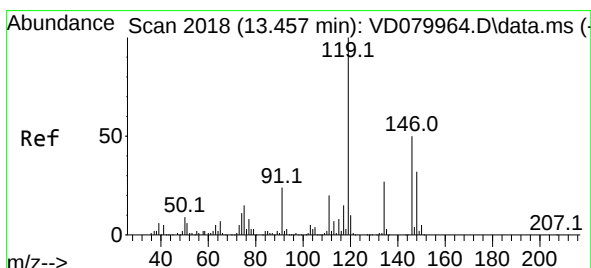
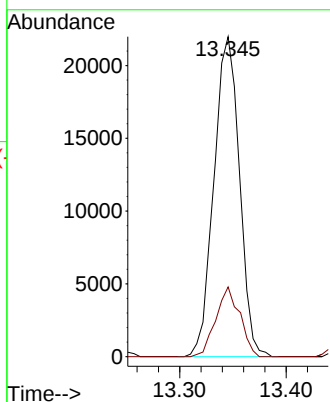
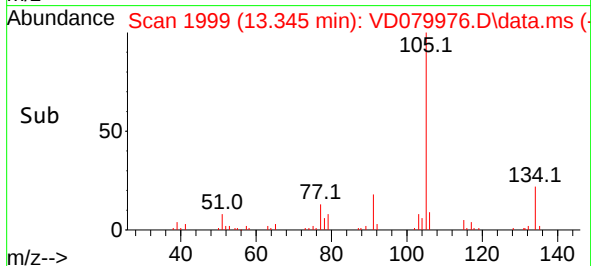
Instrument : MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024



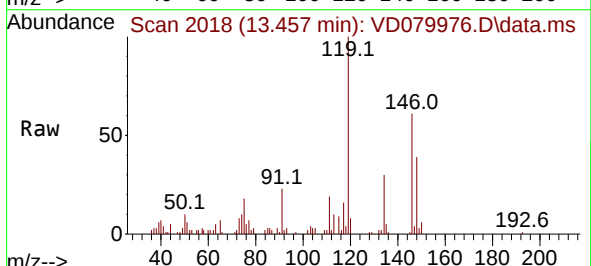
Tgt Ion:105 Resp: 36560
 Ion Ratio Lower Upper
 105 100
 134 20.5 9.8 29.3

Manual Integrations
 APPROVED

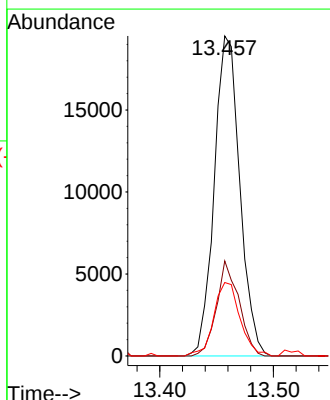
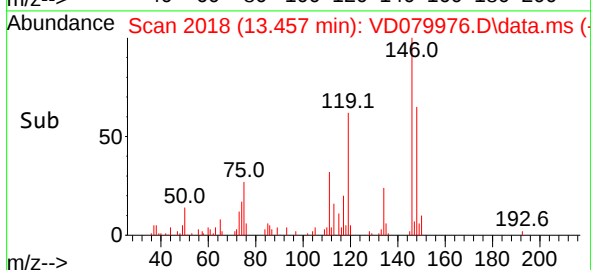
Reviewed By :Mahesh Dadoda 10/15/2024
 Supervised By :Semsettin Yesilyurt 10/15/2024

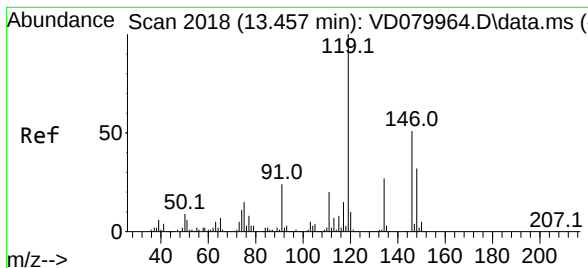


#86
 p-Isopropyltoluene
 Concen: 4.388 ug/l
 RT: 13.457 min Scan# 2018
 Delta R.T. -0.000 min
 Lab File: VD079976.D
 Acq: 14 Oct 2024 13:48



Tgt Ion:119 Resp: 30494
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.1
 91 23.5 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 4.837 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. -0.000 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

Instrument :

MSVOA_D

ClientSampleId :

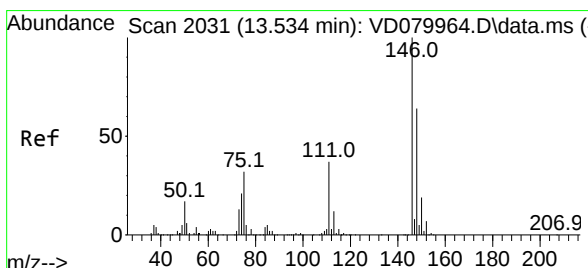
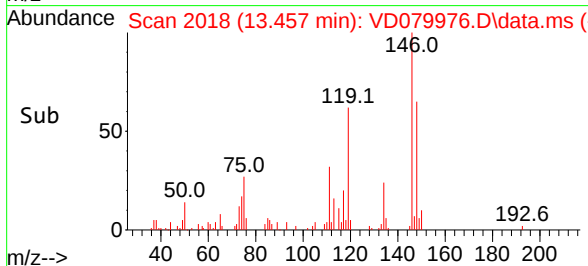
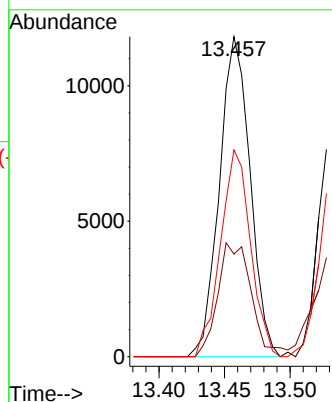
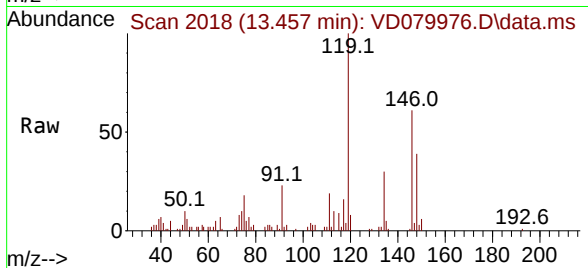
LOQ-SOIL-02-QT4-2024

Tgt Ion:	146	Resp:	1921
Ion Ratio	Lower	Upper	
146	100		
111	39.1	20.0	59.9
148	63.5	31.9	95.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#88

1,4-Dichlorobenzene

Concen: 5.067 ug/l

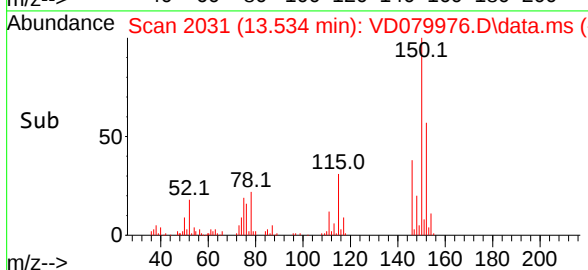
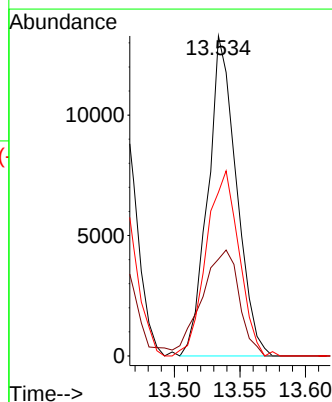
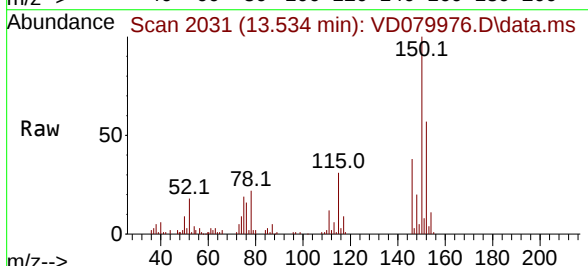
RT: 13.534 min Scan# 2031

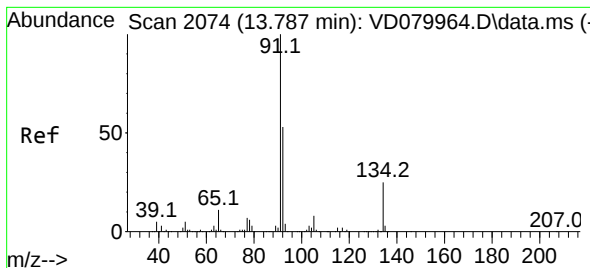
Delta R.T. -0.000 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

Tgt Ion:	146	Resp:	20106
Ion Ratio	Lower	Upper	
146	100		
111	43.2	19.3	57.8
148	66.5	32.9	98.7





#89

n-Butylbenzene

Concen: 4.493 ug/l

RT: 13.787 min Scan# 2074

Delta R.T. -0.000 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

Instrument :

MSVOA_D

ClientSampleId :

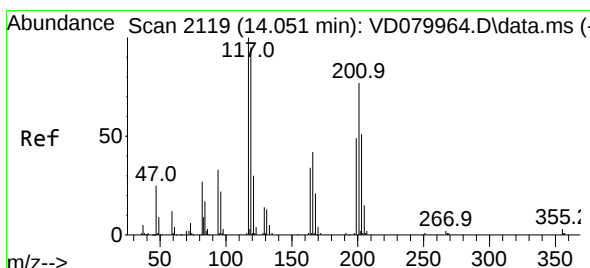
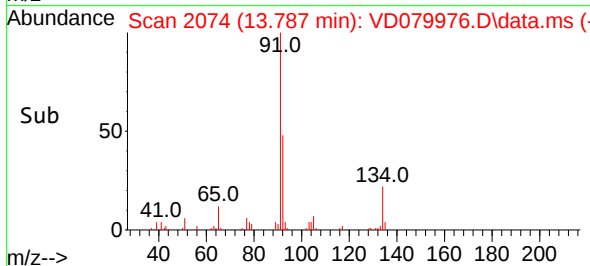
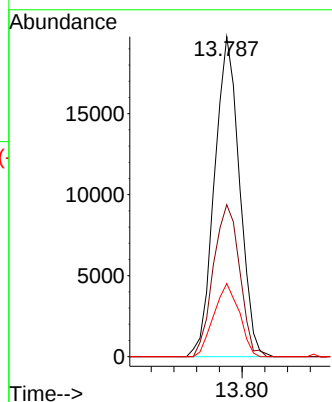
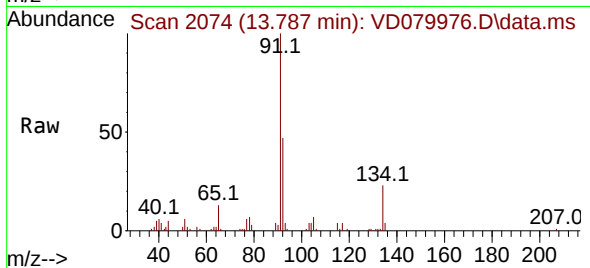
LOQ-SOIL-02-QT4-2024

Tgt Ion:	91	Resp:	3019
Ion Ratio	Lower	Upper	
91	100		
92	50.0	26.3	78.9
134	23.3	12.3	36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#90

Hexachloroethane

Concen: 4.747 ug/l

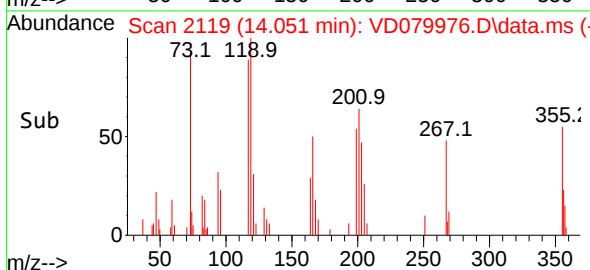
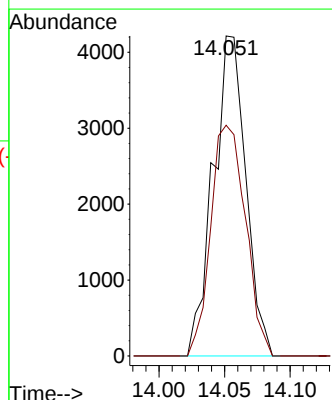
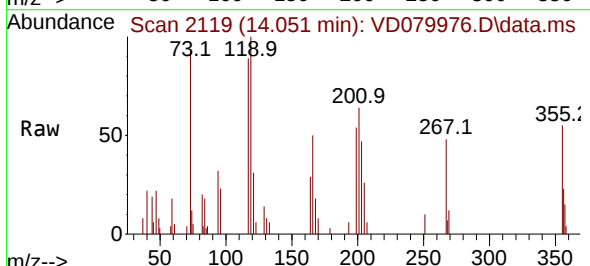
RT: 14.051 min Scan# 2119

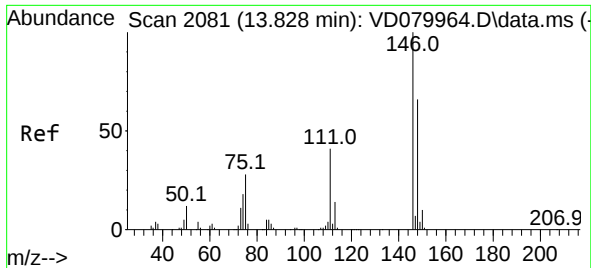
Delta R.T. -0.000 min

Lab File: VD079976.D

Acq: 14 Oct 2024 13:48

Tgt Ion:	117	Resp:	7291
Ion Ratio	Lower	Upper	
117	100		
201	76.9	37.5	112.5





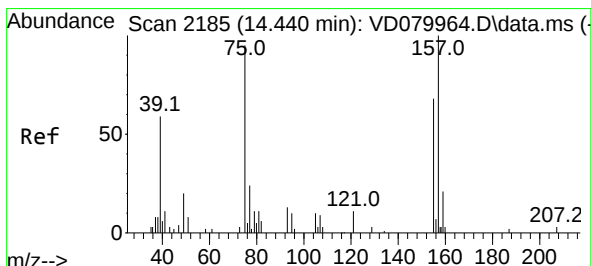
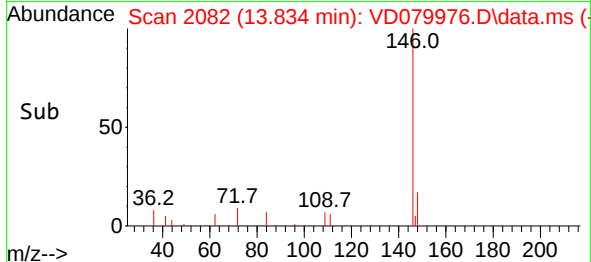
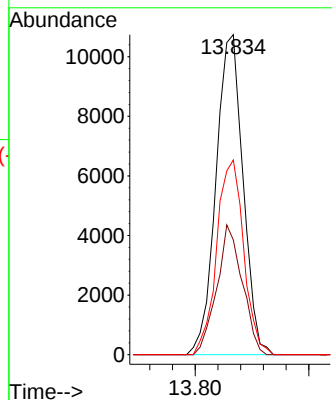
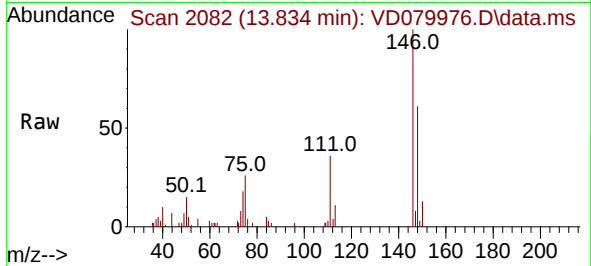
#91
1,2-Dichlorobenzene
Concen: 5.123 ug/l
RT: 13.834 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:146 Resp: 17774
Ion Ratio Lower Upper
146 100
111 38.3 20.6 61.8
148 60.8 32.7 98.1

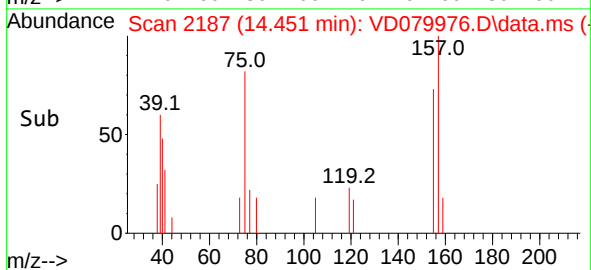
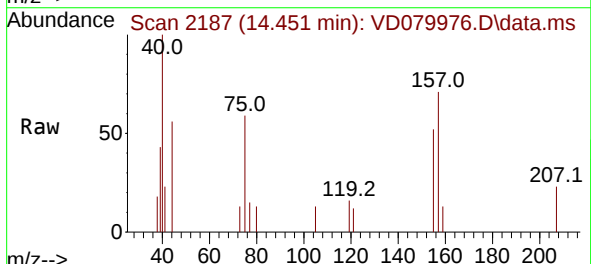
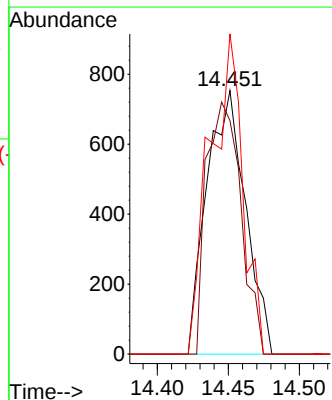
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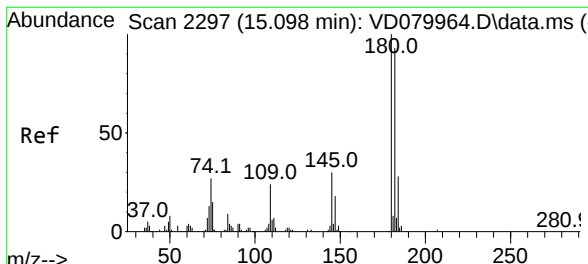
Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.626 ug/l
RT: 14.451 min Scan# 2187
Delta R.T. 0.012 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

Tgt Ion: 75 Resp: 1429
Ion Ratio Lower Upper
75 100
155 85.4 40.6 122.0
157 103.0 53.3 159.9





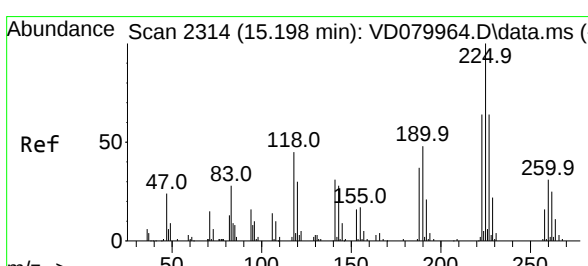
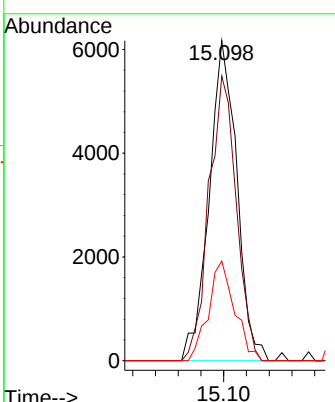
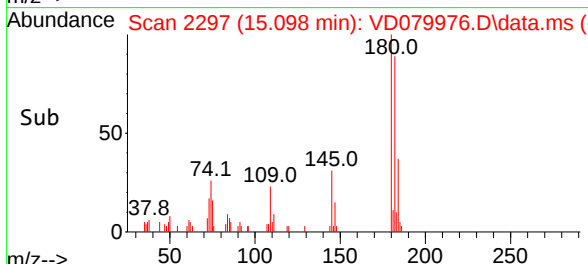
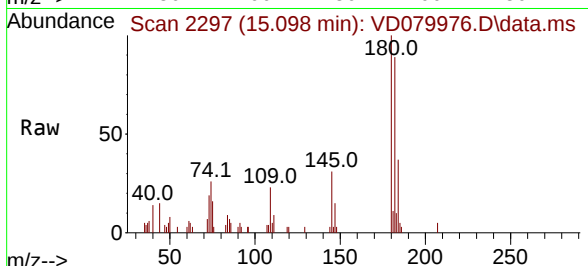
#93
 1,2,4-Trichlorobenzene
 Concen: 4.800 ug/l
 RT: 15.098 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD079976.D
 Acq: 14 Oct 2024 13:48

Instrument : MSVOA_D
 ClientSampleId : LOQ-SOIL-02-QT4-2024

Tgt Ion:	180	Resp:	1043
Ion Ratio	Lower	Upper	
180	100		
182	87.8	47.4	142.2
145	29.6	14.7	44.1

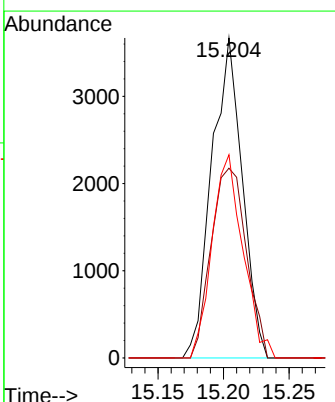
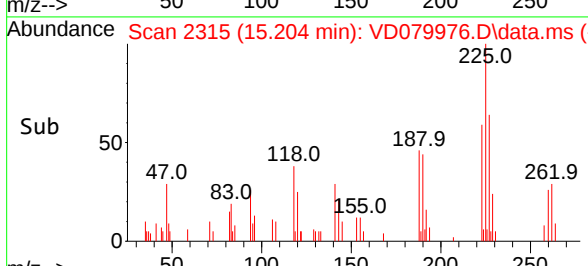
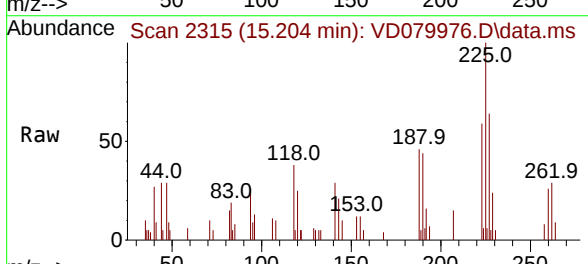
Manual Integrations
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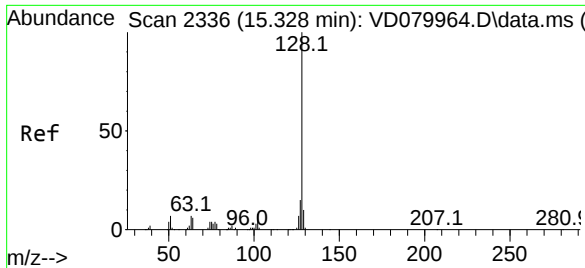
Reviewed By :Mahesh Dadoda 10/15/2024
 Supervised By :Semsettin Yesilyurt 10/15/2024



#94
 Hexachlorobutadiene
 Concen: 4.977 ug/l
 RT: 15.204 min Scan# 2315
 Delta R.T. 0.006 min
 Lab File: VD079976.D
 Acq: 14 Oct 2024 13:48

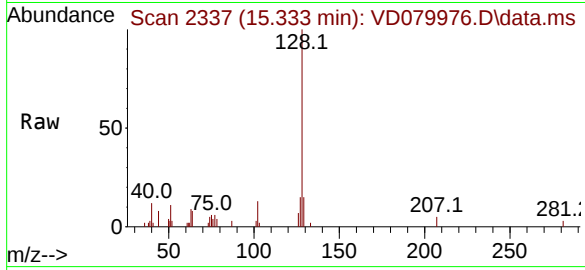
Tgt Ion:	225	Resp:	5959
Ion Ratio	Lower	Upper	
225	100		
223	68.4	31.5	94.5
227	64.2	30.9	92.5





#95
Naphthalene
Concen: 4.471 ug/l
RT: 15.333 min Scan# 2337
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48

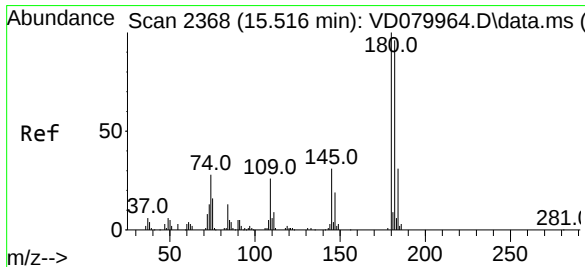
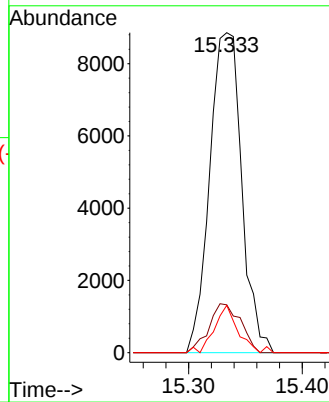
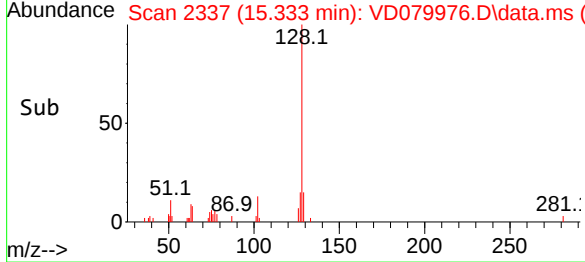
Instrument : MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2024



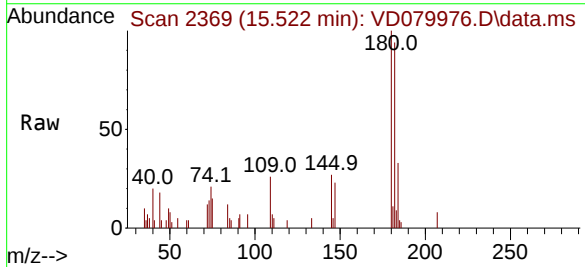
Tgt Ion:128 Resp: 1733
Ion Ratio Lower Upper
128 100
127 15.0 11.8 17.8
129 14.8 8.3 12.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024



#96
1,2,3-Trichlorobenzene
Concen: 4.742 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. 0.006 min
Lab File: VD079976.D
Acq: 14 Oct 2024 13:48



Tgt Ion:180 Resp: 9137
Ion Ratio Lower Upper
180 100
182 91.4 47.5 142.6
145 31.8 15.7 47.0

