

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071823\
 Data File : VD076772.D
 Acq On : 18 Jul 2023 12:27
 Operator : KP/SY
 Sample : 03572-02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023

Quant Time: Jul 19 08:17:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 19 08:14:54 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/19/2023
 Supervised By : Mahesh Dadoda 07/19/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	165956	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	303571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	274291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	126072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	78873	47.716	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.440%		
35) Dibromofluoromethane	7.804	113	95479	50.050	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.100%		
50) Toluene-d8	10.269	98	313521	45.941	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.880%		
62) 4-Bromofluorobenzene	12.575	95	100983	45.741	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.480%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	8387	6.463	ug/l	97
3) Chloromethane	2.146	50	11945	5.336	ug/l	# 87
4) Vinyl Chloride	2.275	62	17641	5.911	ug/l	96
5) Bromomethane	2.687	94	14690	5.983	ug/l	95
6) Chloroethane	2.834	64	12693	5.634	ug/l	94
7) Trichlorofluoromethane	3.169	101	15717	5.919	ug/l	88
8) Diethyl Ether	3.593	74	4483	4.904	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.963	101	10950	6.273	ug/l	# 85
10) Methyl Iodide	4.158	142	9185	4.668	ug/l	# 81
11) Tert butyl alcohol	5.058	59	4528	36.709	ug/l	# 78
12) 1,1-Dichloroethene	3.934	96	8826	5.382	ug/l	# 84
13) Acrolein	3.793	56	2752	32.740	ug/l	# 42
14) Allyl chloride	4.552	41	11148	5.175	ug/l	# 73
15) Acrylonitrile	5.252	53	11468	25.540	ug/l	# 91
16) Acetone	4.022	43	11324	28.685	ug/l	# 77
17) Carbon Disulfide	4.269	76	20692	5.402	ug/l	100
18) Methyl Acetate	4.552	43	8093	5.457	ug/l	95
19) Methyl tert-butyl Ether	5.322	73	22572	5.133	ug/l	99
20) Methylene Chloride	4.799	84	40329	12.352	ug/l	90
21) trans-1,2-Dichloroethene	5.299	96	9742	5.111	ug/l	# 80
22) Diisopropyl ether	6.216	45	26185	5.133	ug/l	# 91
23) Vinyl Acetate	6.152	43	48830	19.346	ug/l	# 90
24) 1,1-Dichloroethane	6.110	63	19048	5.538	ug/l	94
25) 2-Butanone	7.081	43	15177	28.726	ug/l	97
26) 2,2-Dichloropropane	7.069	77	18761	6.328	ug/l	92
27) cis-1,2-Dichloroethene	7.069	96	12591	5.358	ug/l	83
28) Bromochloromethane	7.422	49	4921	5.723	ug/l	# 92
29) Tetrahydrofuran	7.446	42	8406	26.929	ug/l	90
30) Chloroform	7.593	83	21344	5.666	ug/l	97
31) Cyclohexane	7.875	56	16026	6.588	ug/l	# 84
32) 1,1,1-Trichloroethane	7.787	97	17450	5.741	ug/l	93
36) 1,1-Dichloropropene	8.010	75	13912	5.581	ug/l	97
37) Ethyl Acetate	7.163	43	7084	6.354	ug/l	# 89
38) Carbon Tetrachloride	7.987	117	12686	5.315	ug/l	91
39) Methylcyclohexane	9.275	83	14793	5.139	ug/l	96
40) Benzene	8.246	78	41824	5.317	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	3224m	4.736	ug/l	
42) 1,2-Dichloroethane	8.322	62	10932	5.349	ug/l	97
43) Isopropyl Acetate	8.363	43	11647	5.353	ug/l #	77
44) Trichloroethene	9.022	130	12070	5.631	ug/l	94
45) 1,2-Dichloropropane	9.298	63	11231	5.532	ug/l	91
46) Dibromomethane	9.387	93	6473	5.447	ug/l	91
47) Bromodichloromethane	9.581	83	16544	5.547	ug/l #	98
48) Methyl methacrylate	9.375	41	5261	5.313	ug/l #	74
49) 1,4-Dioxane	9.381	88	827	54.314	ug/l #	28
51) 4-Methyl-2-Pentanone	10.157	43	30334	26.186	ug/l	91
52) Toluene	10.334	92	27492	5.322	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	14152	5.112	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	17223	5.279	ug/l #	85
55) 1,1,2-Trichloroethane	10.734	97	9589	5.525	ug/l #	94
56) Ethyl methacrylate	10.598	69	9022	4.504	ug/l #	81
57) 1,3-Dichloropropane	10.881	76	15305	5.415	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	19273	24.858	ug/l	99
59) 2-Hexanone	10.922	43	20996	25.402	ug/l	87
60) Dibromochloromethane	11.069	129	11278	5.594	ug/l	93
61) 1,2-Dibromoethane	11.175	107	8027	4.989	ug/l	91
64) Tetrachloroethene	10.804	164	8962	5.730	ug/l	92
65) Chlorobenzene	11.604	112	30074	5.452	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.675	131	11339	5.521	ug/l	96
67) Ethyl Benzene	11.681	91	50331	5.195	ug/l	95
68) m/p-Xylenes	11.792	106	38088	10.236	ug/l	93
69) o-Xylene	12.122	106	18148	5.044	ug/l	93
70) Styrene	12.134	104	29772	4.727	ug/l	94
71) Bromoform	12.298	173	6754	6.004	ug/l #	88
73) Isopropylbenzene	12.422	105	47522	5.195	ug/l	97
74) N-amyl acetate	12.234	43	9769	5.070	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.669	83	11199	5.702	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	7055m	5.884	ug/l	
77) Bromobenzene	12.698	156	11368	5.384	ug/l	80
78) n-propylbenzene	12.763	91	58768	5.300	ug/l	94
79) 2-Chlorotoluene	12.845	91	32044	5.270	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	38000	5.138	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.463	75	2693	4.780	ug/l	93
82) 4-Chlorotoluene	12.945	91	33628	5.294	ug/l	91
83) tert-Butylbenzene	13.163	119	35382	5.433	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	36563	4.838	ug/l	98
85) sec-Butylbenzene	13.345	105	51999	5.226	ug/l	94
86) p-Isopropyltoluene	13.457	119	39836	4.848	ug/l	98
87) 1,3-Dichlorobenzene	13.463	146	22440	5.167	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	23957	5.631	ug/l	96
89) n-Butylbenzene	13.786	91	41302	5.137	ug/l	97
90) Hexachloroethane	14.051	117	9521	6.268	ug/l	79
91) 1,2-Dichlorobenzene	13.834	146	20341	5.316	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1604	5.728	ug/l	85
93) 1,2,4-Trichlorobenzene	15.098	180	12131	5.193	ug/l	98
94) Hexachlorobutadiene	15.204	225	6211	5.528	ug/l	95
95) Naphthalene	15.328	128	24206	4.785	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	11676	5.570	ug/l	97

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ClientSampleId :
LOQ-SOIL-02-QT3-2023

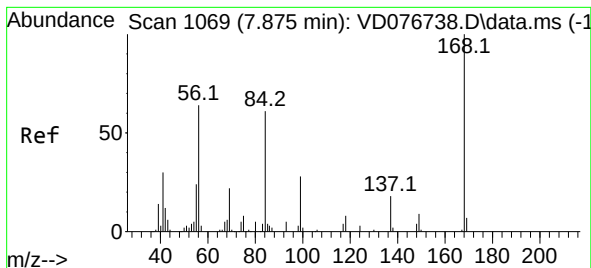
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

Quant Time: Jul 19 08:17:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 19 08:14:54 2023
Response via : Initial Calibration

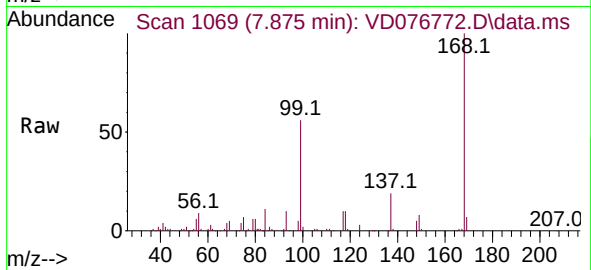
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076772.D
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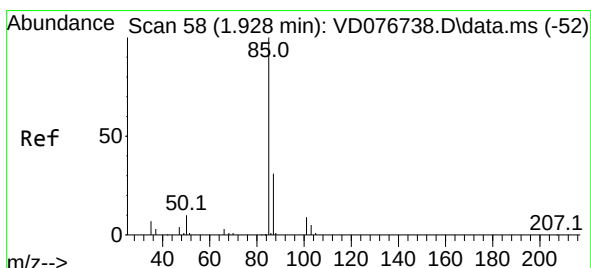
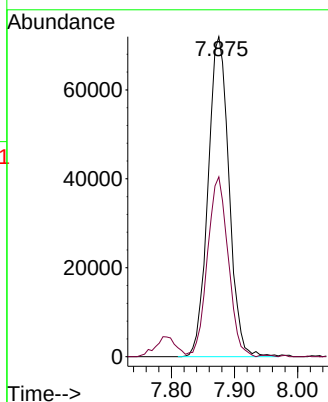
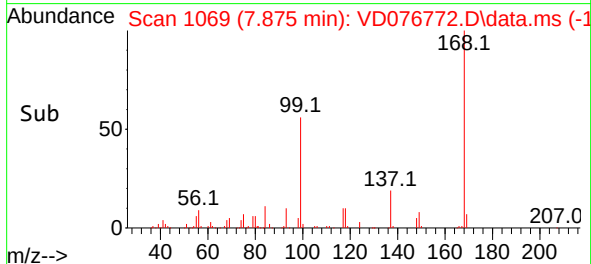
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:168 Resp: 165950
Ion Ratio Lower Upper
168 100
99 56.2 36.7 55.1

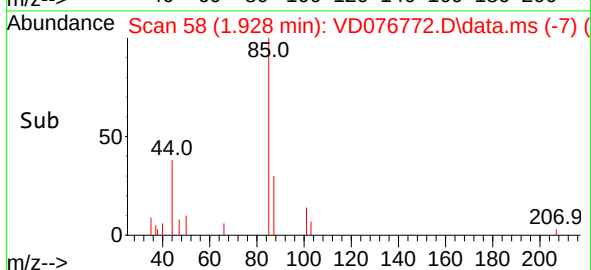
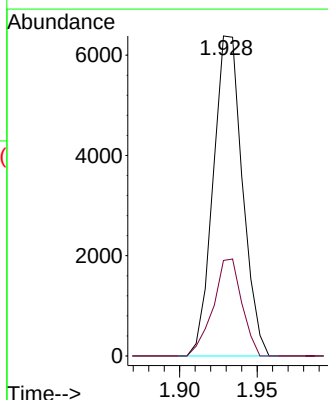
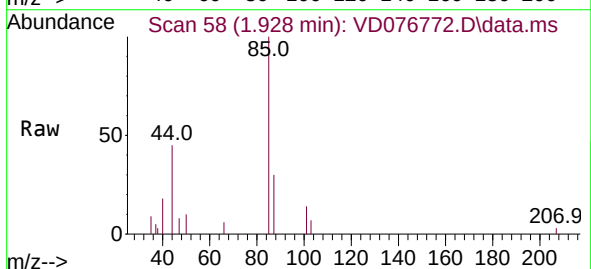
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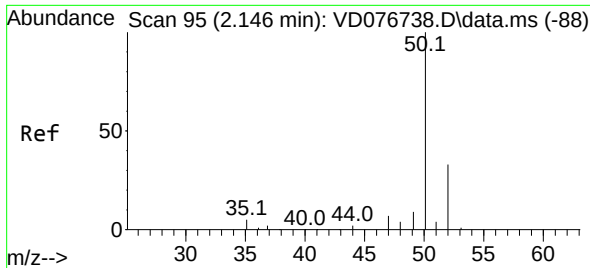
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#2
Dichlorodifluoromethane
Concen: 6.463 ug/l
RT: 1.928 min Scan# 58
Delta R.T. 0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

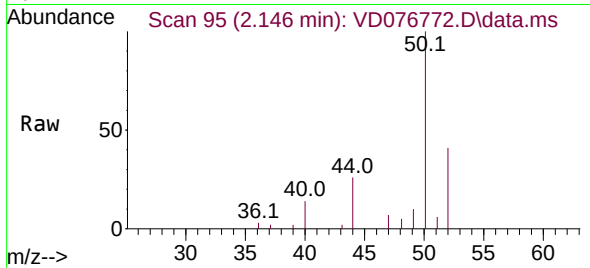
Tgt Ion: 85 Resp: 8387
Ion Ratio Lower Upper
85 100
87 29.9 15.7 47.0





#3
Chloromethane
Concen: 5.336 ug/l
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

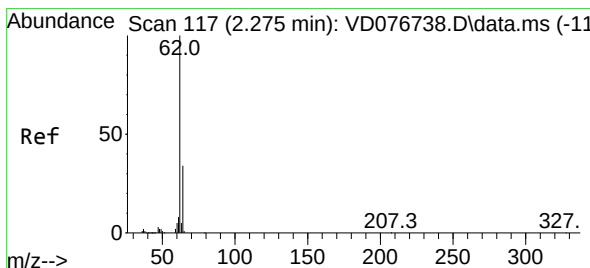
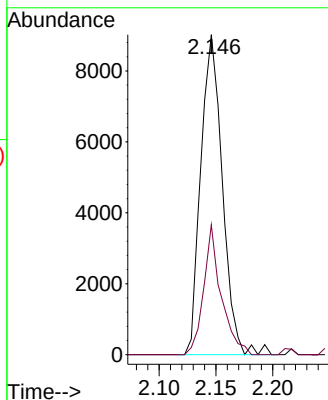
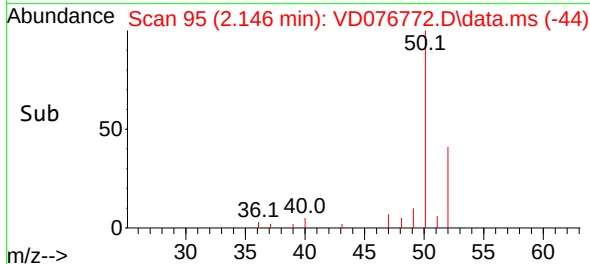
Instrument :
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ClientSampleId :
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Tgt Ion: 50 Resp: 1194
Ion Ratio Lower Upper
50 100
52 40.6 26.6 40.0

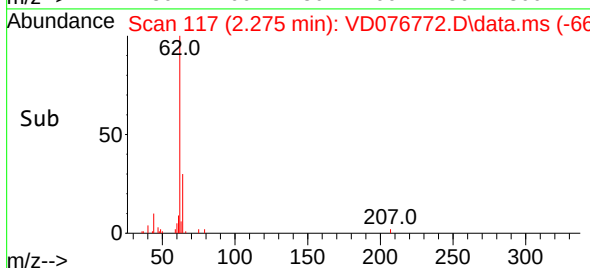
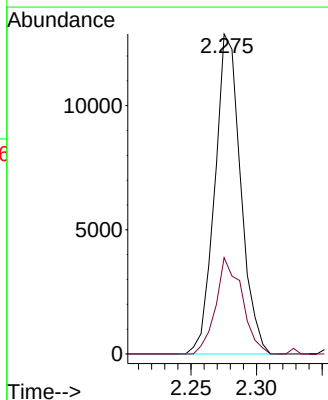
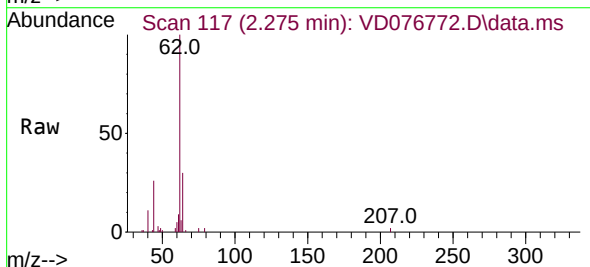
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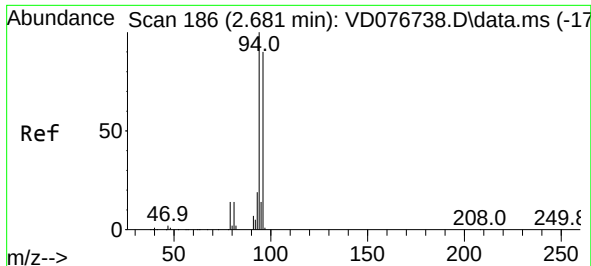
Reviewed By :John Carlone 07/19/2023
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#4
Vinyl Chloride
Concen: 5.911 ug/l
RT: 2.275 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

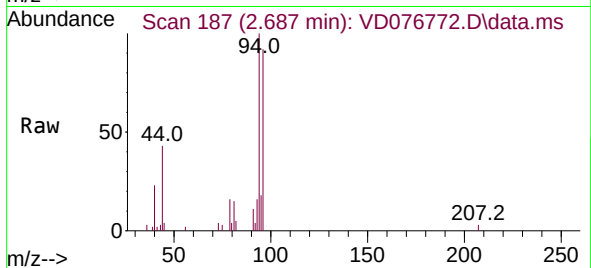
Tgt Ion: 62 Resp: 17641
Ion Ratio Lower Upper
62 100
64 30.1 26.0 39.0





#5
Bromomethane
Concen: 5.983 ug/l
RT: 2.687 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

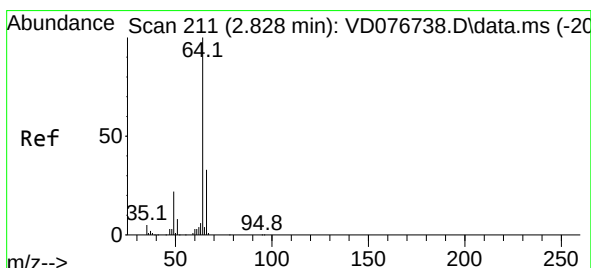
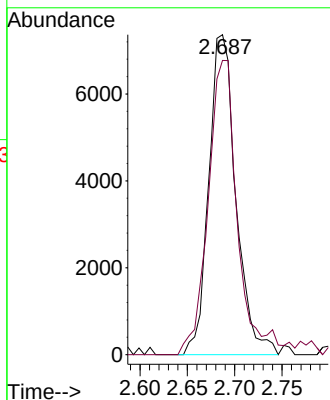
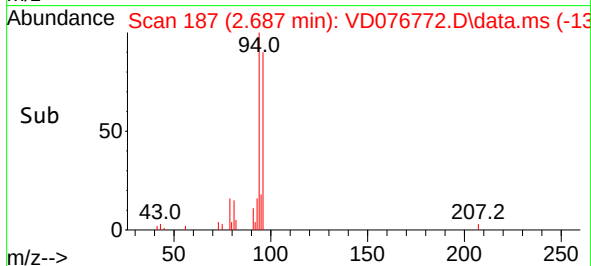
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Tgt Ion: 94 Resp: 14690
Ion Ratio Lower Upper
94 100
96 99.4 75.8 113.8

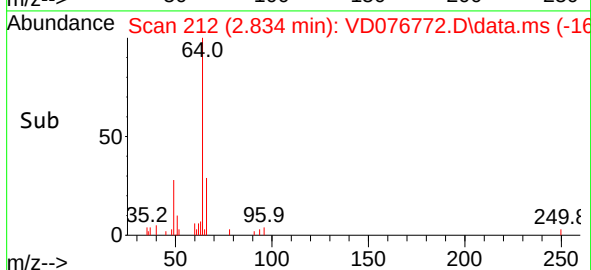
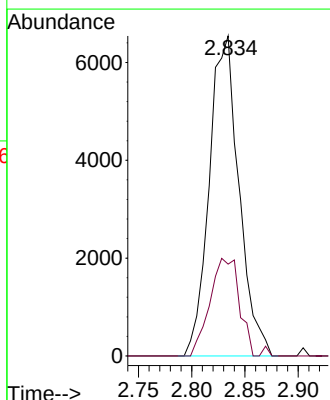
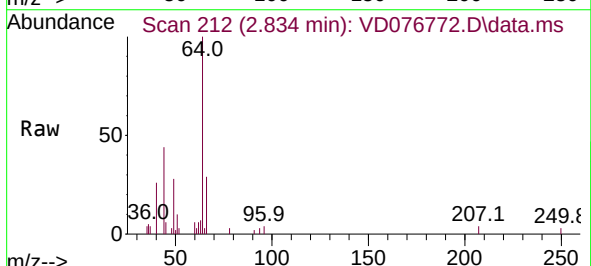
Manual Integrations
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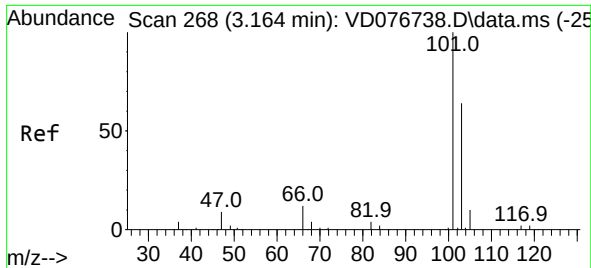
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#6
Chloroethane
Concen: 5.634 ug/l
RT: 2.834 min Scan# 212
Delta R.T. 0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion: 64 Resp: 12693
Ion Ratio Lower Upper
64 100
66 28.7 25.5 38.3





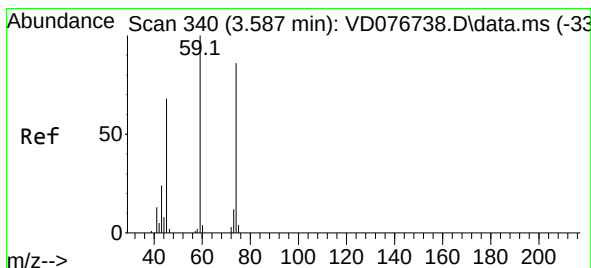
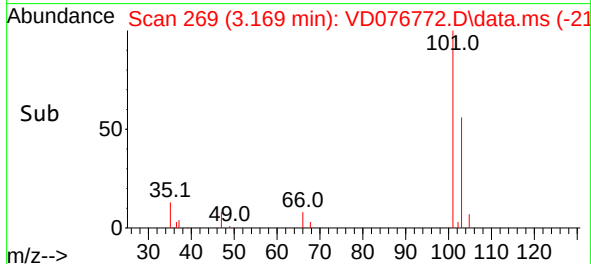
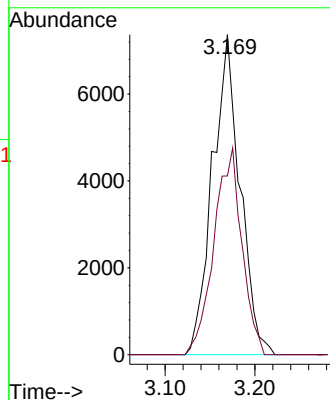
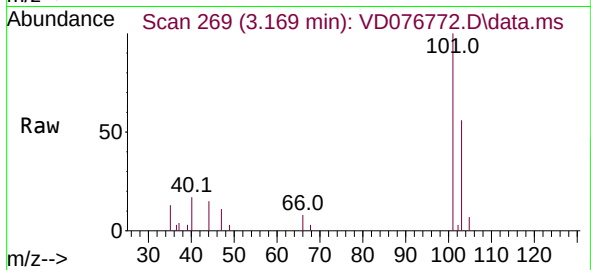
#7
 Trichlorofluoromethane
 Concen: 5.919 ug/l
 RT: 3.169 min Scan# 20
 Delta R.T. 0.005 min
 Lab File: VD076772.D
 Acq: 18 Jul 2023 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023

Tgt Ion:101 Resp: 1571
 Ion Ratio Lower Upper
 101 100
 103 55.8 52.3 78.5

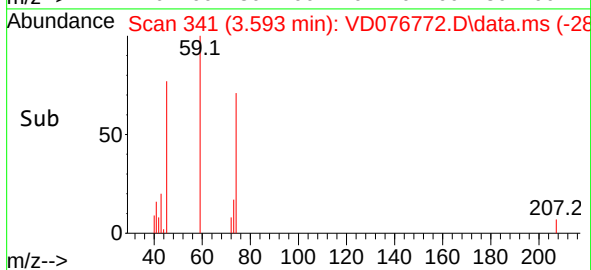
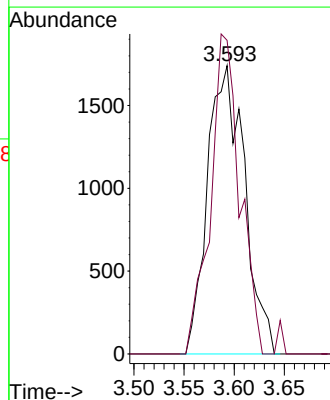
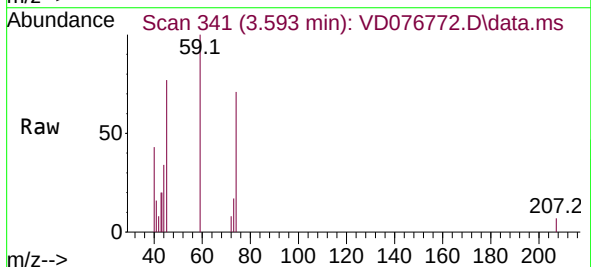
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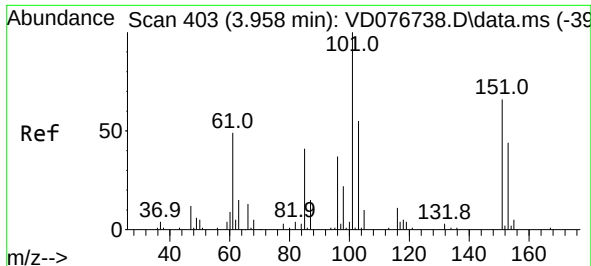
Reviewed By :John Carlone 07/19/2023
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#8
 Diethyl Ether
 Concen: 4.904 ug/l
 RT: 3.593 min Scan# 341
 Delta R.T. 0.006 min
 Lab File: VD076772.D
 Acq: 18 Jul 2023 12:27

Tgt Ion: 74 Resp: 4483
 Ion Ratio Lower Upper
 74 100
 45 88.0 37.5 112.7





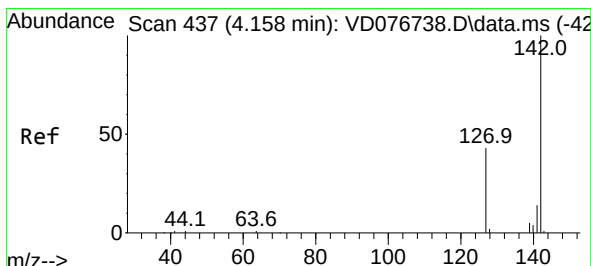
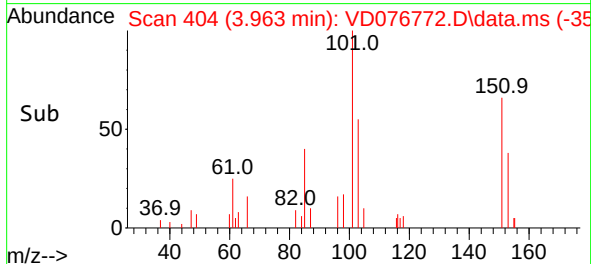
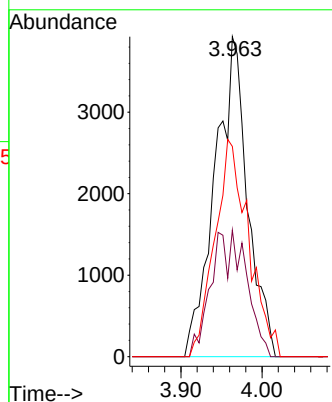
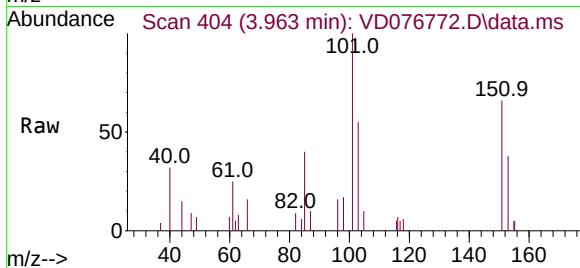
#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.273 ug/l
RT: 3.963 min Scan# 403
Delta R.T. 0.005 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

Tgt Ion:101 Resp: 10950
Ion Ratio Lower Upper
101 100
85 21.6 33.8 50.6
151 70.5 59.8 89.6

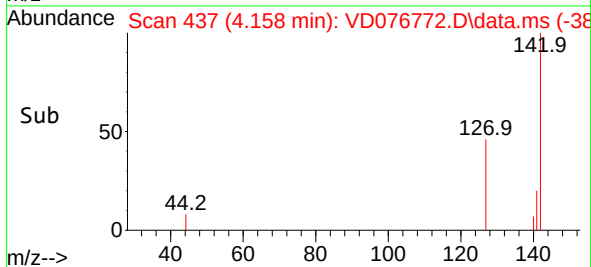
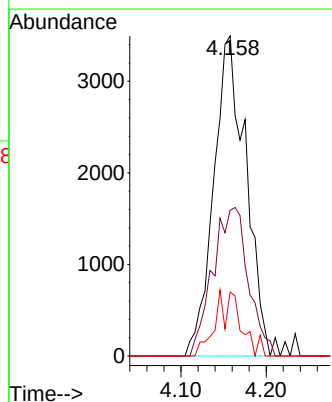
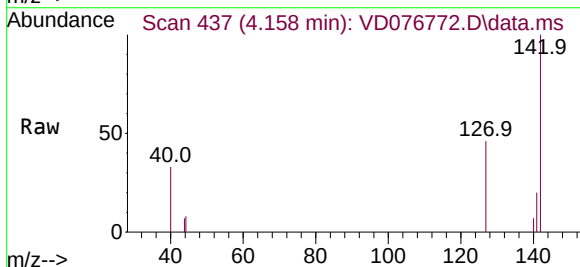
Manual Integrations
APPROVED

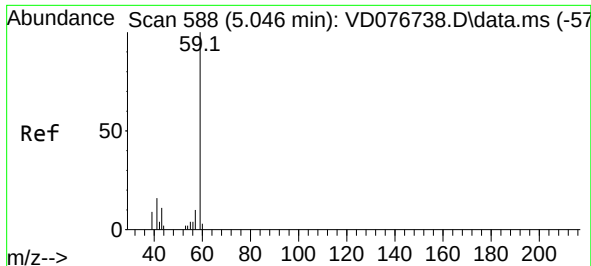
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#10
Methyl Iodide
Concen: 4.668 ug/l
RT: 4.158 min Scan# 437
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

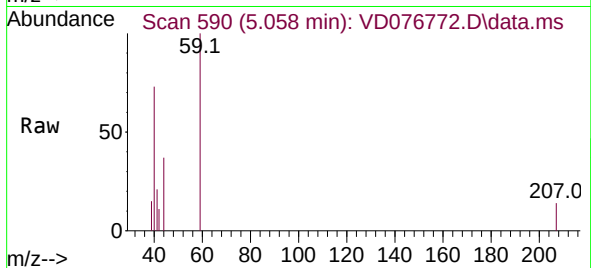
Tgt Ion:142 Resp: 9185
Ion Ratio Lower Upper
142 100
127 51.4 29.4 44.0#
141 16.0 11.1 16.7





#11
Tert butyl alcohol
Concen: 36.709 ug/l
RT: 5.058 min Scan# 588
Delta R.T. 0.011 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

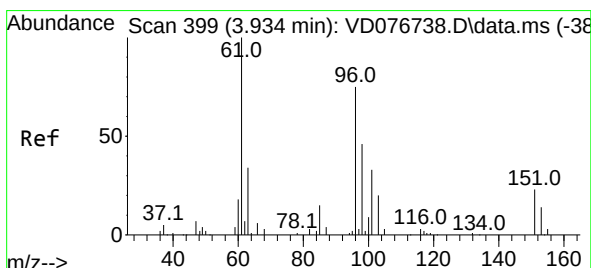
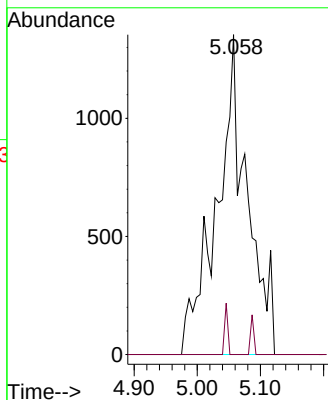
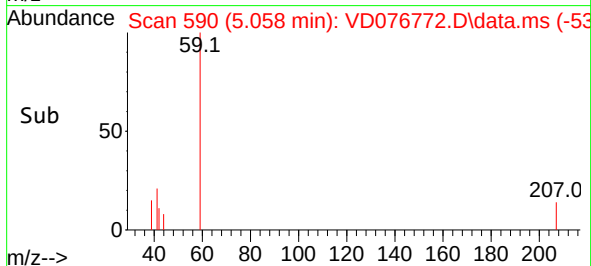
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023



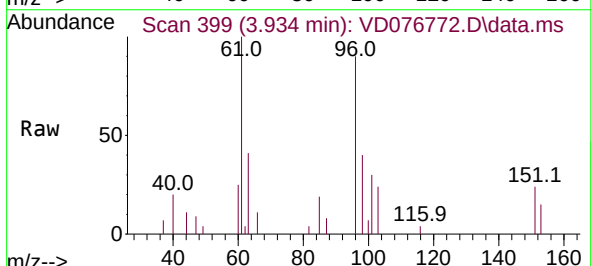
Tgt Ion: 59 Resp: 4528
Ion Ratio Lower Upper
59 100
57 1.7 7.8 11.8

Manual Integrations
APPROVED

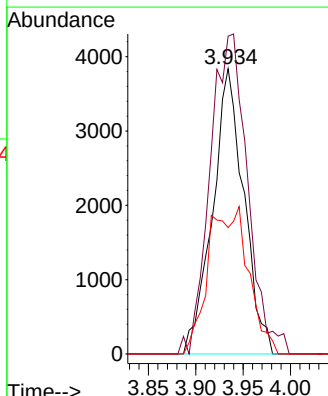
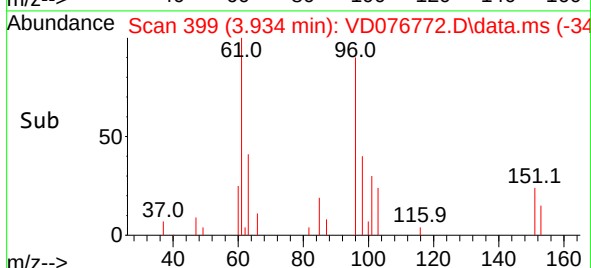
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

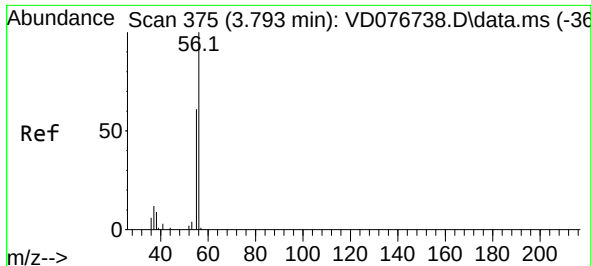


#12
1,1-Dichloroethene
Concen: 5.382 ug/l
RT: 3.934 min Scan# 399
Delta R.T. 0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27



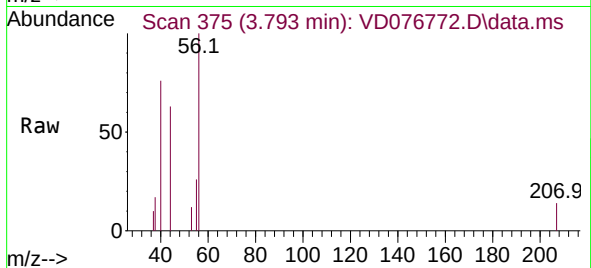
Tgt Ion: 96 Resp: 8826
Ion Ratio Lower Upper
96 100
61 111.4 100.6 150.8
98 44.3 50.2 75.2





#13
Acrolein
Concen: 32.740 ug/l
RT: 3.793 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

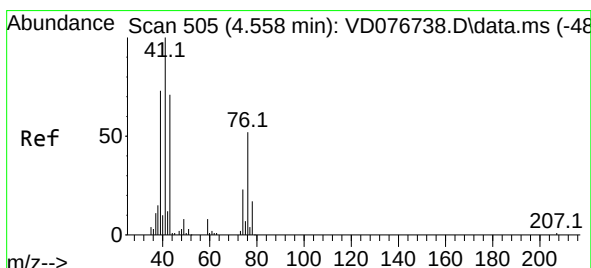
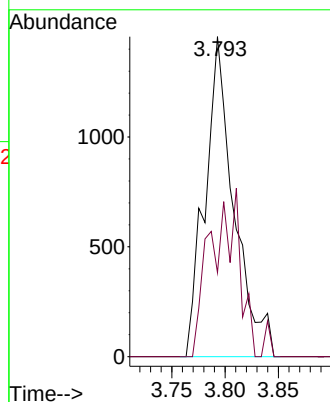
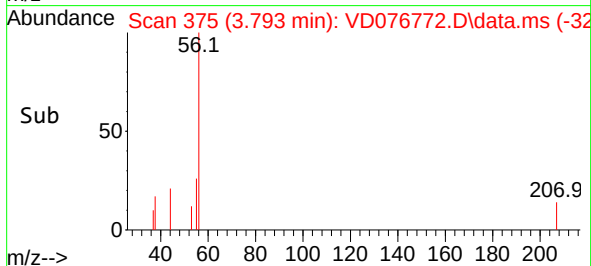
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 56 Resp: 2752
Ion Ratio Lower Upper
56 100
55 21.9 55.1 82.7

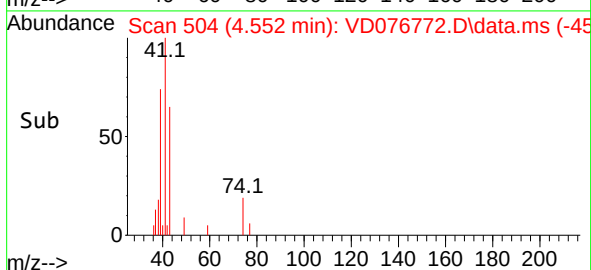
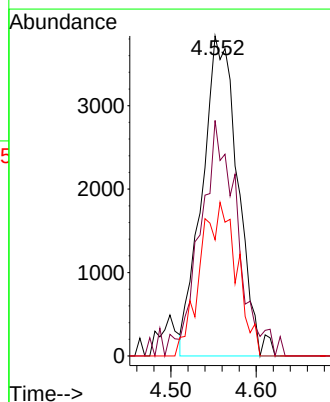
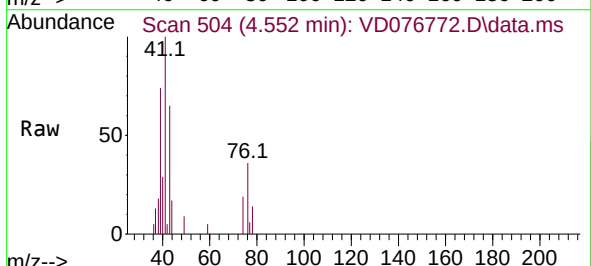
Manual Integrations
APPROVED

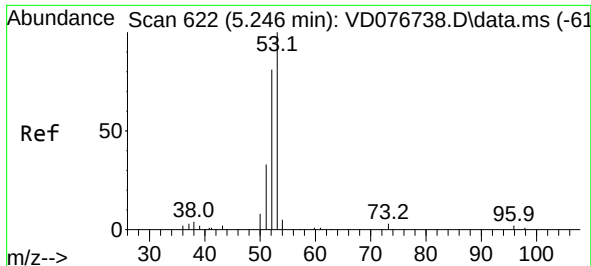
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#14
Allyl chloride
Concen: 5.175 ug/l
RT: 4.552 min Scan# 504
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion: 41 Resp: 11148
Ion Ratio Lower Upper
41 100
39 76.4 53.8 80.6
76 23.1 45.8 68.8





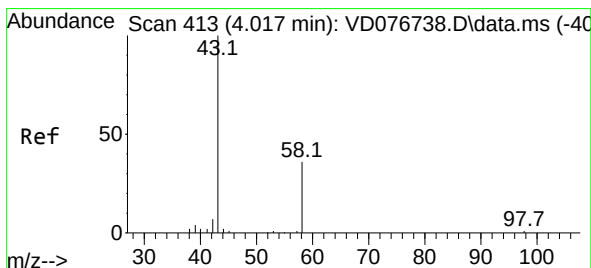
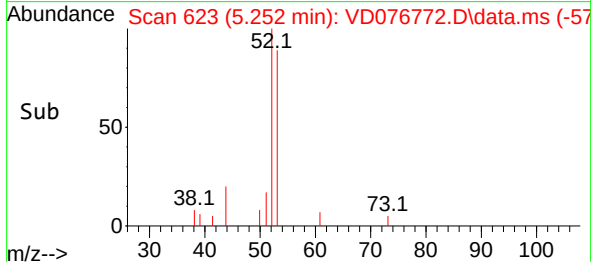
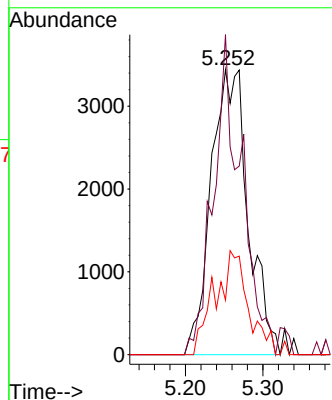
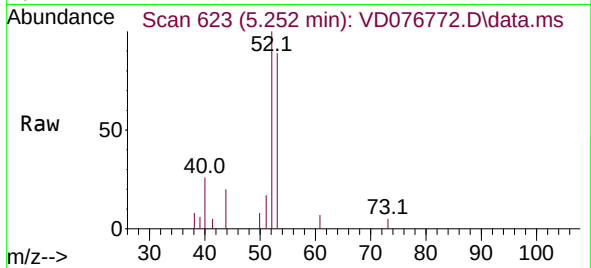
#15
Acrylonitrile
Concen: 25.540 ug/l
RT: 5.252 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

Tgt Ion: 53 Resp: 11468
Ion Ratio Lower Upper
53 100
52 85.0 65.0 97.4
51 24.5 28.3 42.5

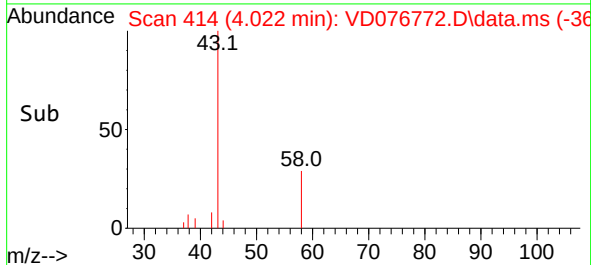
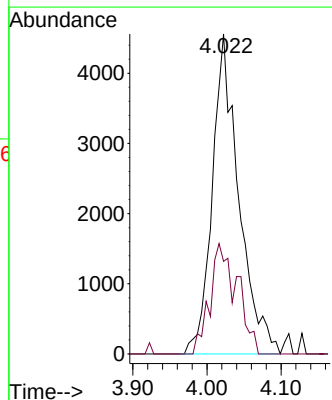
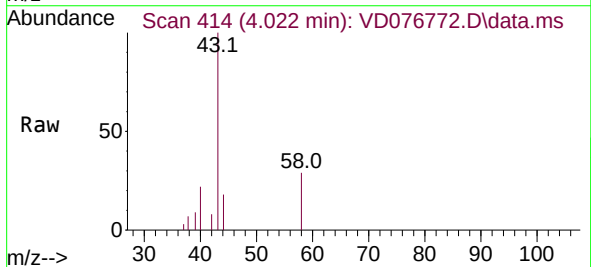
Manual Integrations
APPROVED

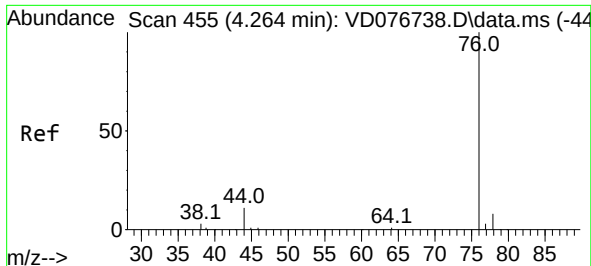
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#16
Acetone
Concen: 28.685 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

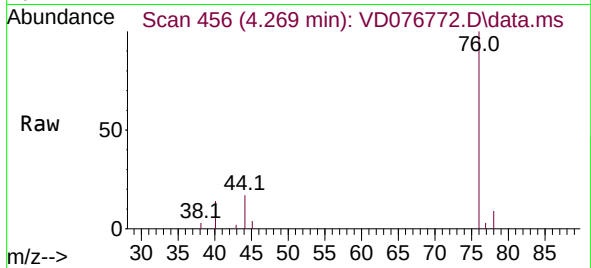
Tgt Ion: 43 Resp: 11324
Ion Ratio Lower Upper
43 100
58 28.9 34.7 52.1#





#17
Carbon Disulfide
Concen: 5.402 ug/l
RT: 4.269 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

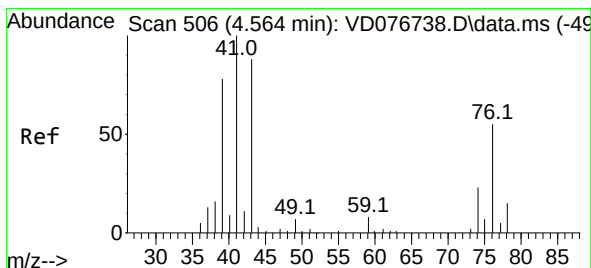
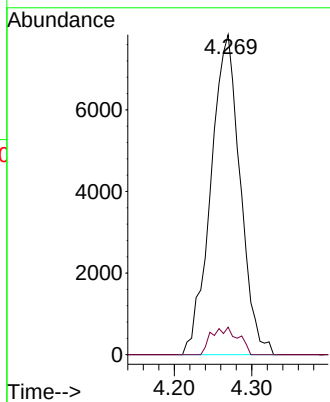
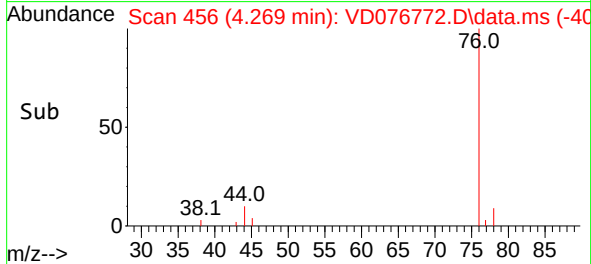
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 76 Resp: 2069
Ion Ratio Lower Upper
76 100
78 8.6 6.8 10.2

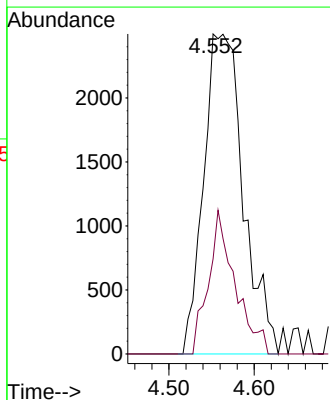
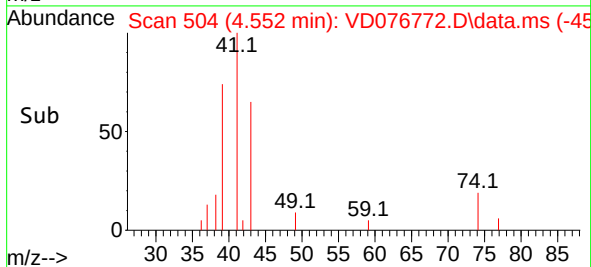
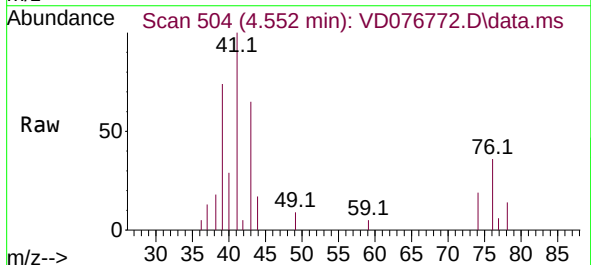
Manual Integrations
APPROVED

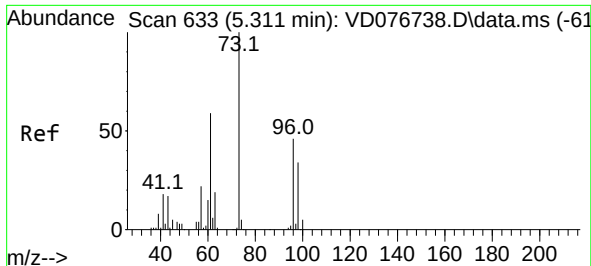
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#18
Methyl Acetate
Concen: 5.457 ug/l
RT: 4.552 min Scan# 504
Delta R.T. -0.012 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion: 43 Resp: 8093
Ion Ratio Lower Upper
43 100
74 30.2 26.4 39.6





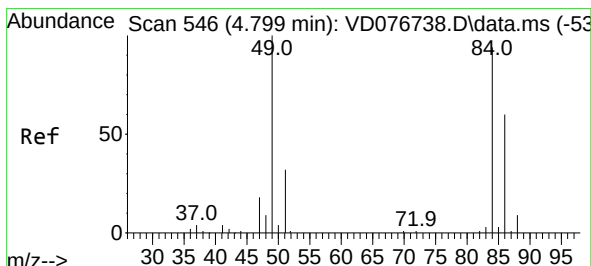
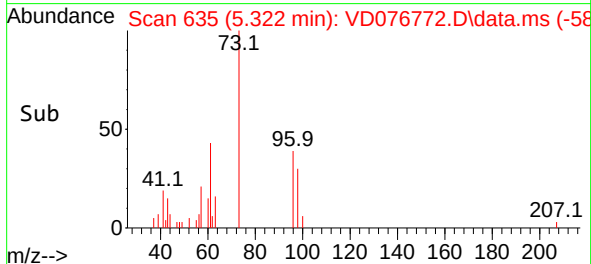
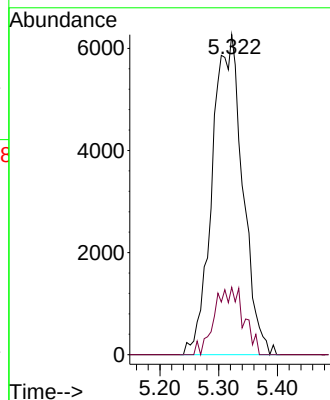
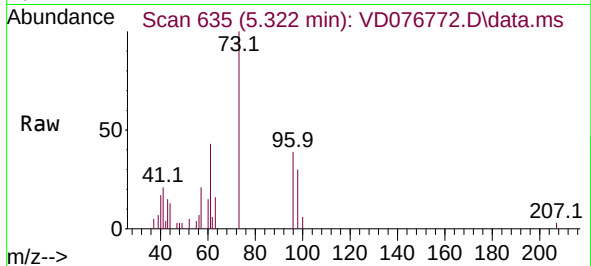
#19
Methyl tert-butyl Ether
Concen: 5.133 ug/l
RT: 5.322 min Scan# 61
Delta R.T. 0.011 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

Tgt Ion: 73 Resp: 22572
Ion Ratio Lower Upper
73 100
57 21.0 16.6 25.0

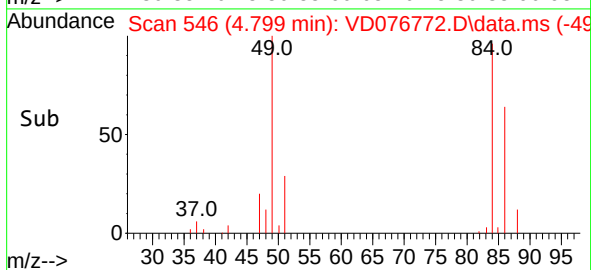
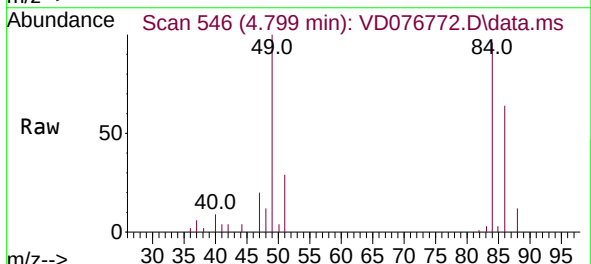
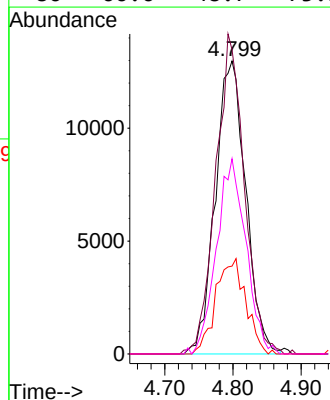
Manual Integrations
APPROVED

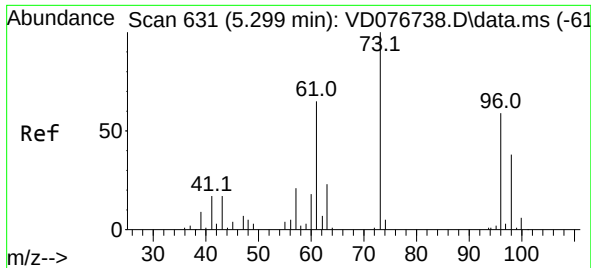
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#20
Methylene Chloride
Concen: 12.352 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

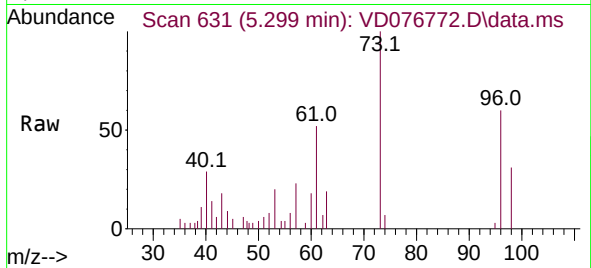
Tgt Ion: 84 Resp: 40329
Ion Ratio Lower Upper
84 100
49 103.8 71.4 107.2
51 30.0 24.5 36.7
86 66.6 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 5.111 ug/l
RT: 5.299 min Scan# 611
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

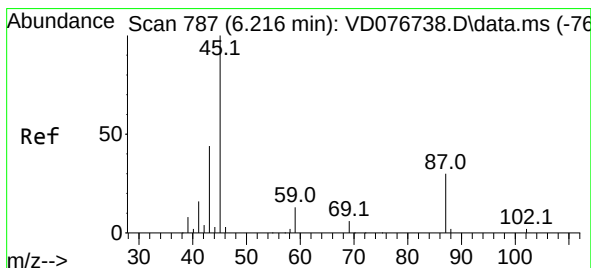
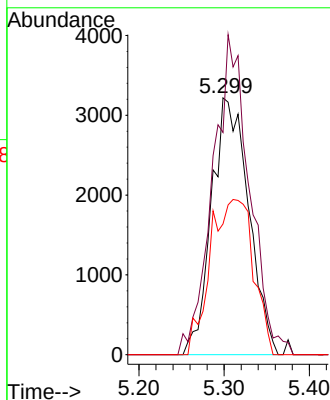
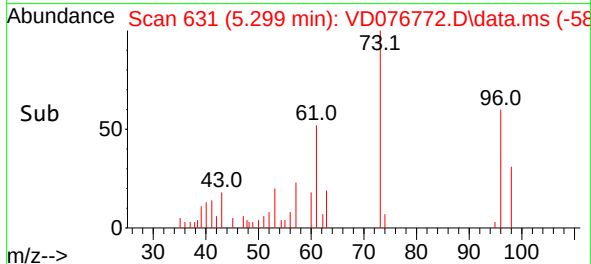
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 96 Resp: 974
Ion Ratio Lower Upper
96 100
61 86.5 89.3 133.9
98 50.9 48.6 73.0

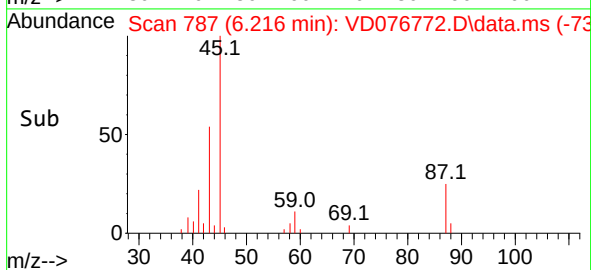
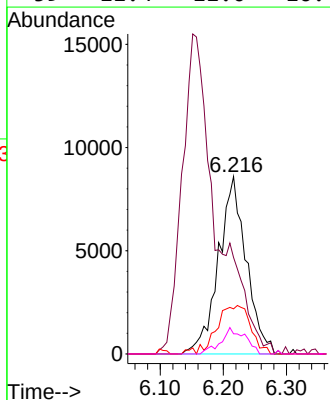
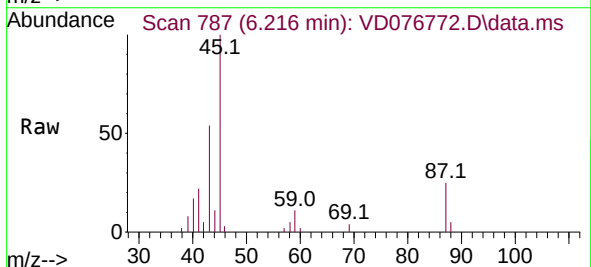
Manual Integrations
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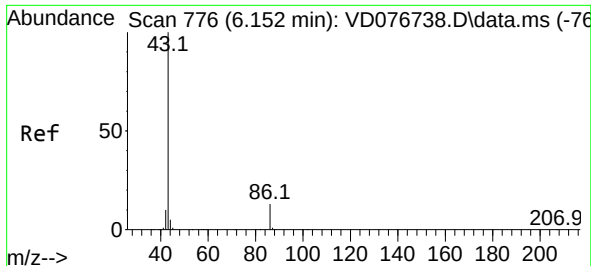
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#22
Diisopropyl ether
Concen: 5.133 ug/l
RT: 6.216 min Scan# 787
Delta R.T. 0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

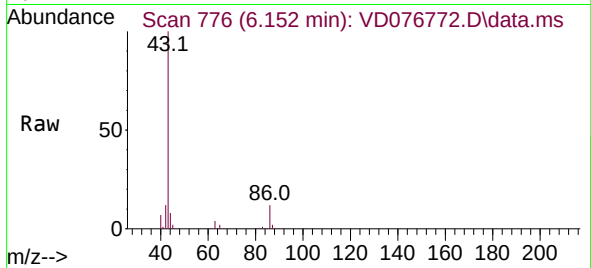
Tgt Ion: 45 Resp: 26185
Ion Ratio Lower Upper
45 100
43 52.5 40.0 60.0
87 25.4 28.2 42.4
59 11.4 11.0 16.4





#23
 Vinyl Acetate
 Concen: 19.346 ug/l
 RT: 6.152 min Scan# 776
 Delta R.T. -0.000 min
 Lab File: VD076772.D
 Acq: 18 Jul 2023 12:27

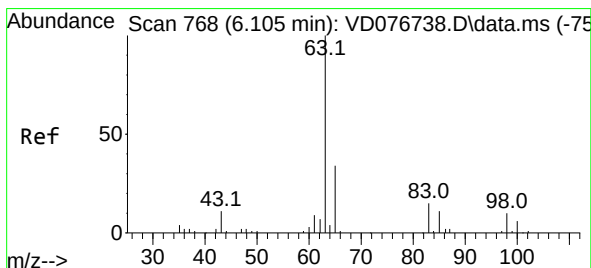
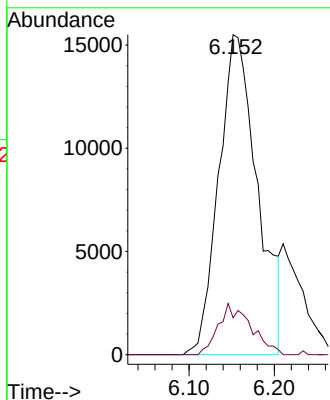
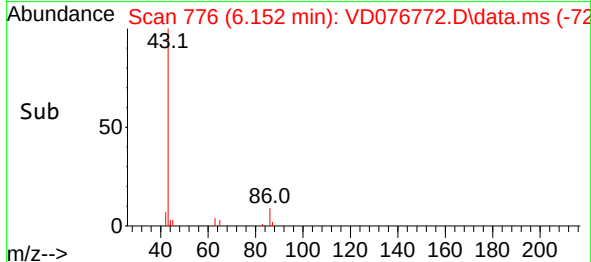
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023



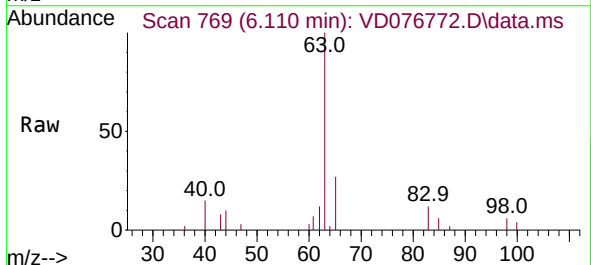
Tgt Ion: 43 Resp: 48830
 Ion Ratio Lower Upper
 43 100
 86 11.6 12.5 18.7

Manual Integrations
 APPROVED

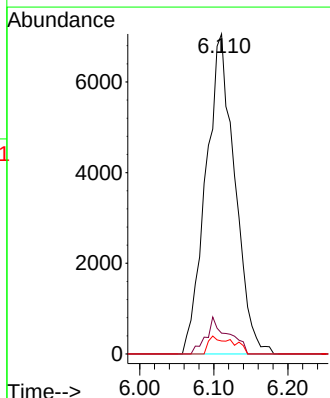
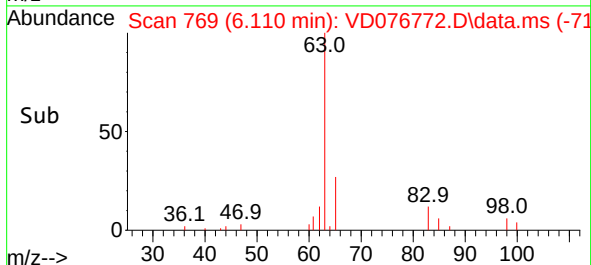
Reviewed By :John Carlone 07/19/2023
 Supervised By :Mahesh Dadoda 07/19/2023

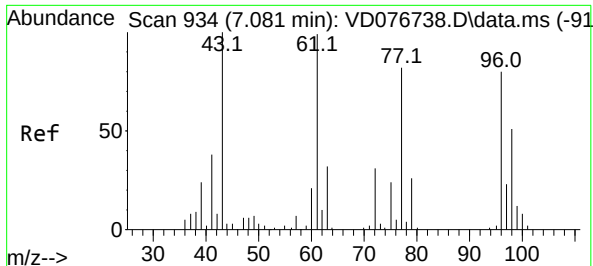


#24
 1,1-Dichloroethane
 Concen: 5.538 ug/l
 RT: 6.110 min Scan# 769
 Delta R.T. 0.005 min
 Lab File: VD076772.D
 Acq: 18 Jul 2023 12:27



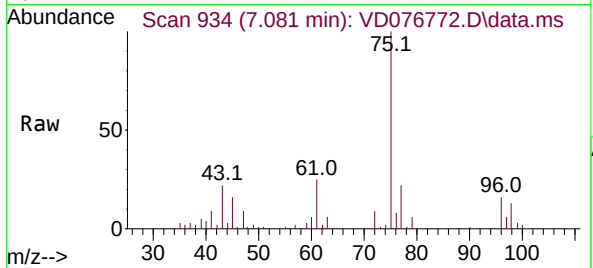
Tgt Ion: 63 Resp: 19048
 Ion Ratio Lower Upper
 63 100
 98 6.5 4.5 13.7
 100 4.0 2.5 7.5





#25
2-Butanone
Concen: 28.726 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

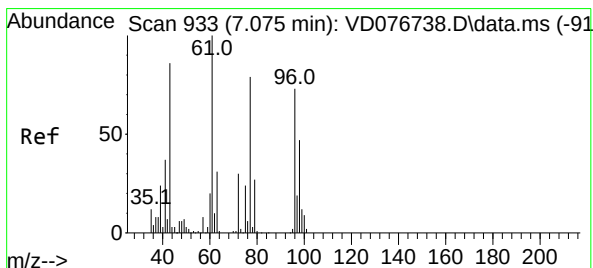
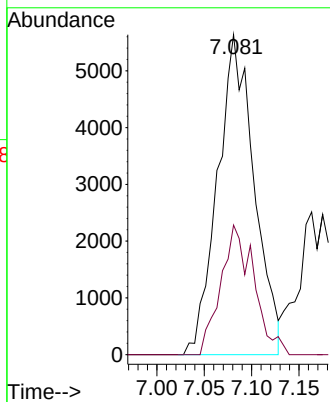
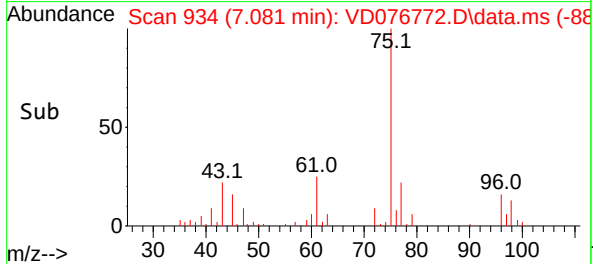
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 43 Resp: 1517
Ion Ratio Lower Upper
43 100
72 40.5 30.7 46.1

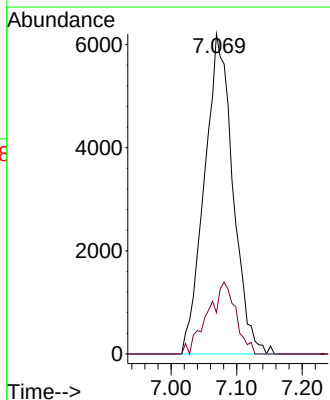
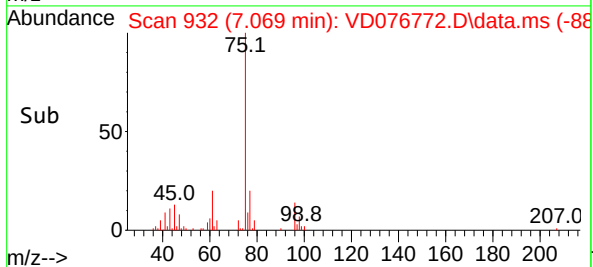
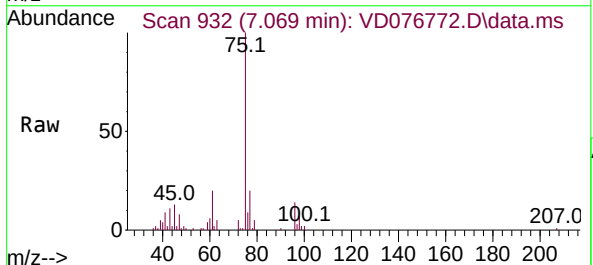
Manual Integrations
APPROVED

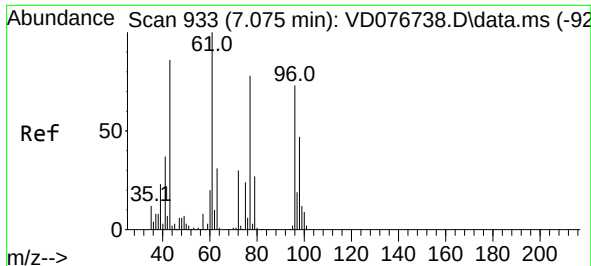
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#26
2,2-Dichloropropane
Concen: 6.328 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

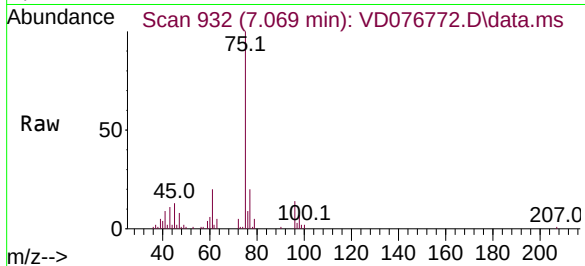
Tgt Ion: 77 Resp: 18761
Ion Ratio Lower Upper
77 100
97 22.2 13.2 39.6





#27
 cis-1,2-Dichloroethene
 Concen: 5.358 ug/l
 RT: 7.069 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VD076772.D
 Acq: 18 Jul 2023 12:27

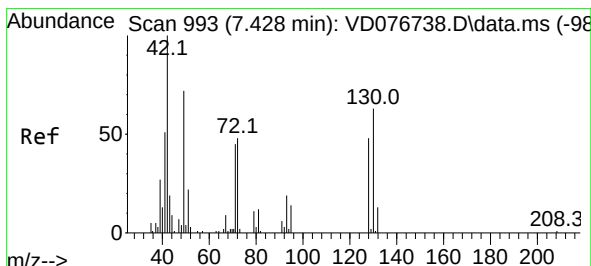
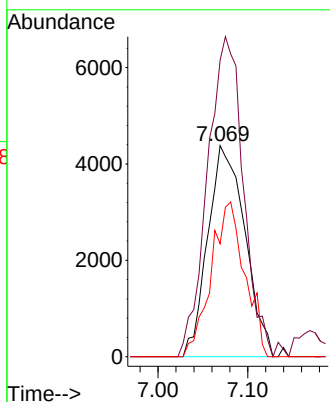
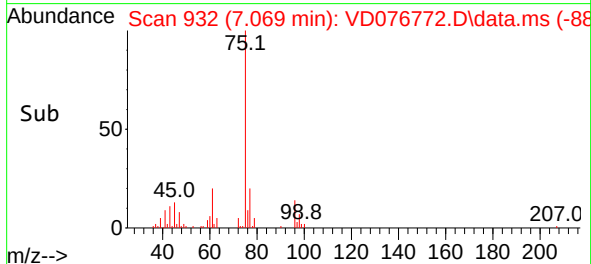
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023



Tgt Ion: 96 Resp: 1259
 Ion Ratio Lower Upper
 96 100
 61 146.0 0.0 239.2
 98 66.8 0.0 128.6

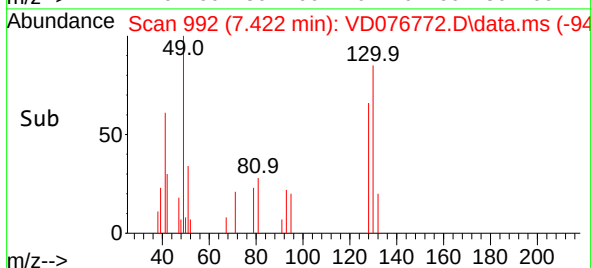
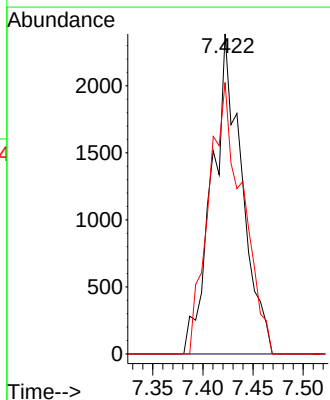
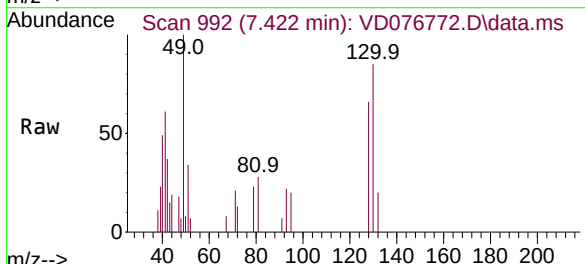
Manual Integrations
 APPROVED

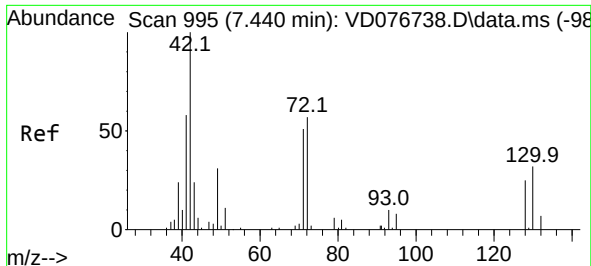
Reviewed By :John Carlone 07/19/2023
 Supervised By :Mahesh Dadoda 07/19/2023



#28
 Bromochloromethane
 Concen: 5.723 ug/l
 RT: 7.422 min Scan# 992
 Delta R.T. -0.006 min
 Lab File: VD076772.D
 Acq: 18 Jul 2023 12:27

Tgt Ion: 49 Resp: 4921
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 6.0
 130 96.2 83.2 124.8





#29

Tetrahydrofuran

Concen: 26.929 ug/l

RT: 7.446 min Scan# 995

Delta R.T. 0.006 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

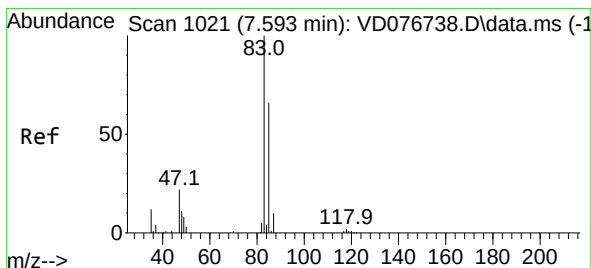
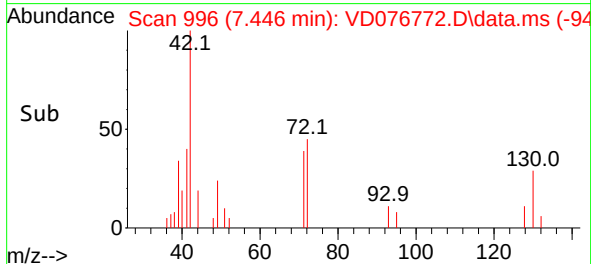
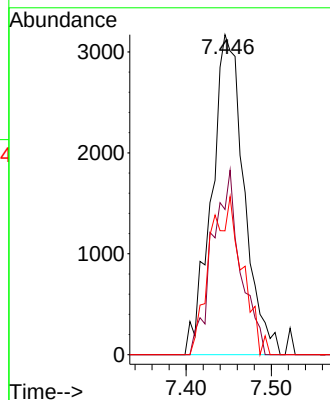
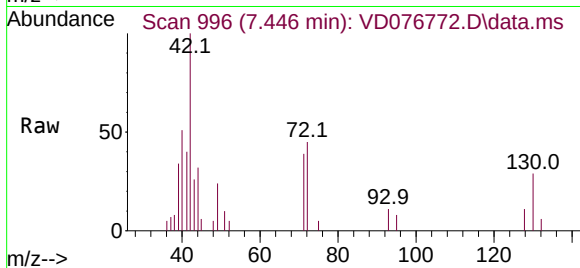
Tgt Ion:	42	Resp:	8400
Ion Ratio	Lower	Upper	
42	100		
72	49.8	46.5	69.7
71	49.1	44.5	66.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/19/2023

Supervised By :Mahesh Dadoda 07/19/2023



#30

Chloroform

Concen: 5.666 ug/l

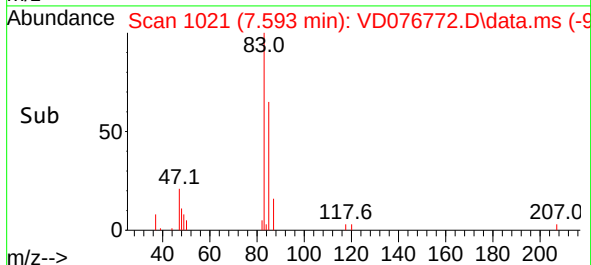
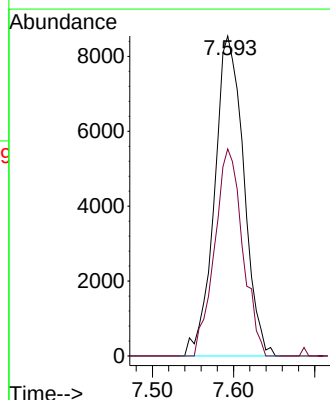
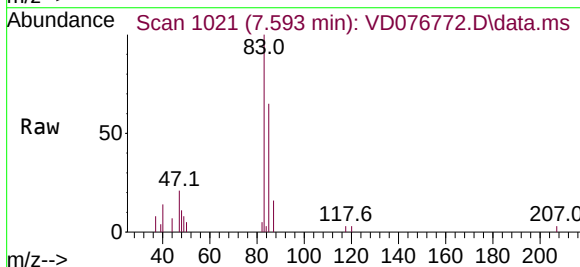
RT: 7.593 min Scan# 1021

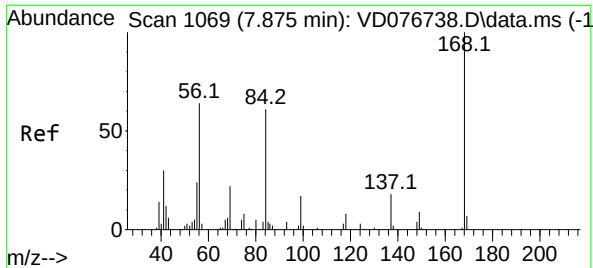
Delta R.T. -0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

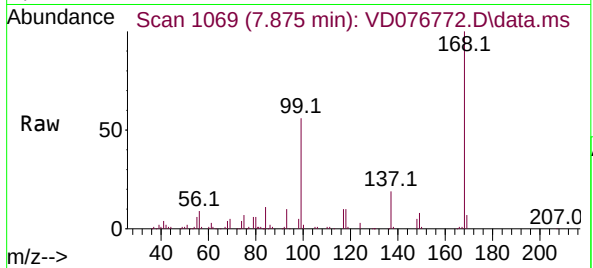
Tgt Ion:	83	Resp:	21344
Ion Ratio	Lower	Upper	
83	100		
85	64.7	53.4	80.2





#31
Cyclohexane
Concen: 6.588 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

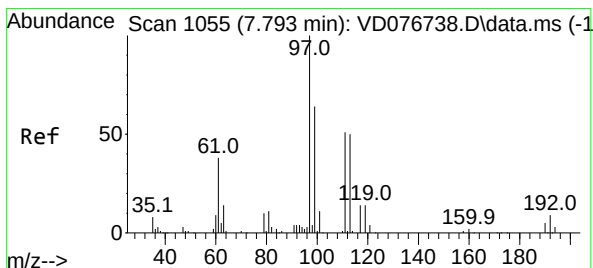
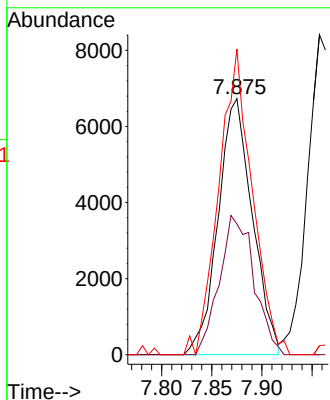
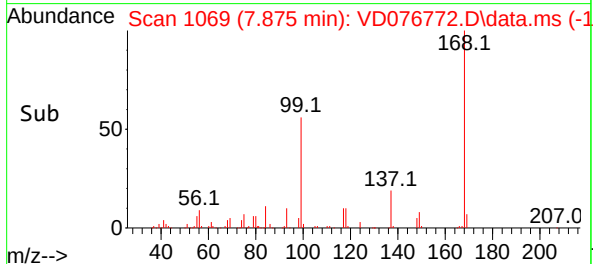
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 56 Resp: 16020
Ion Ratio Lower Upper
56 100
69 51.0 28.6 43.0
84 119.3 84.8 127.2

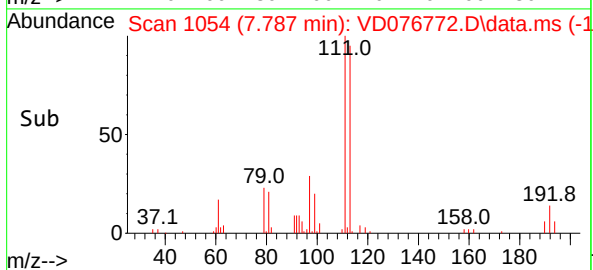
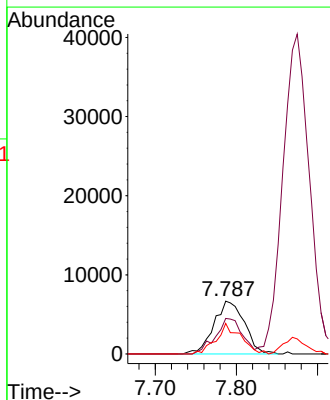
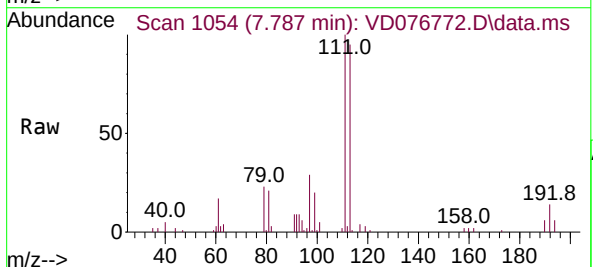
Manual Integrations
APPROVED

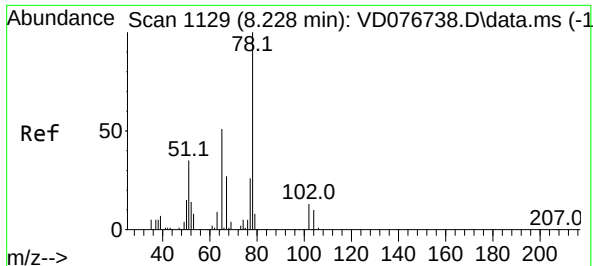
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#32
1,1,1-Trichloroethane
Concen: 5.741 ug/l
RT: 7.787 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion: 97 Resp: 17450
Ion Ratio Lower Upper
97 100
99 58.8 52.0 78.0
61 45.9 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 47.716 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

Tgt Ion: 65 Resp: 7887

Ion Ratio Lower Upper

65 100

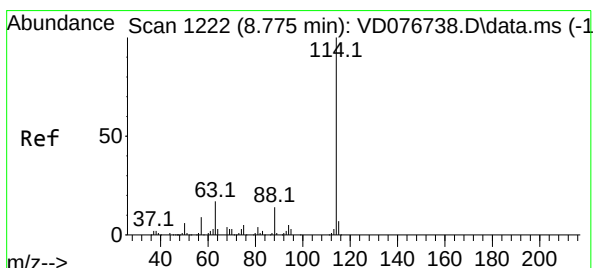
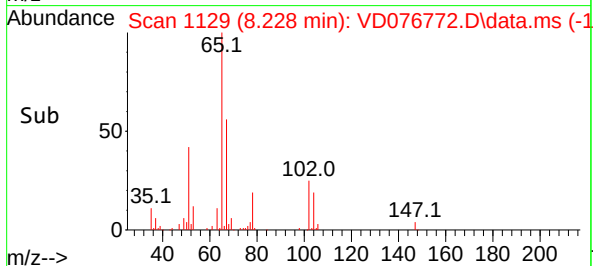
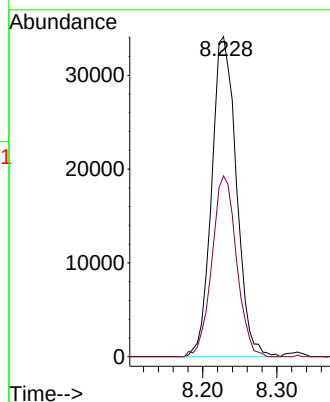
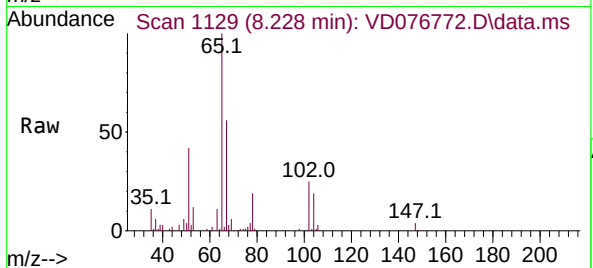
67 56.5 0.0 115.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/19/2023

Supervised By :Mahesh Dadoda 07/19/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

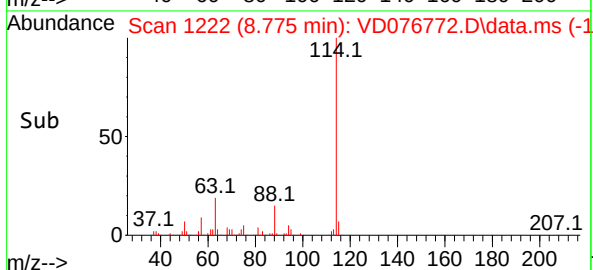
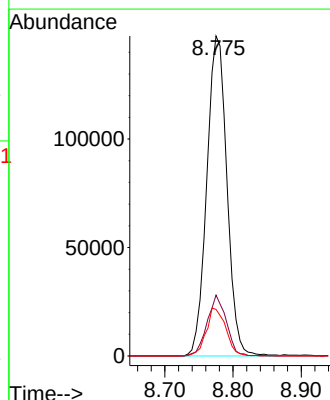
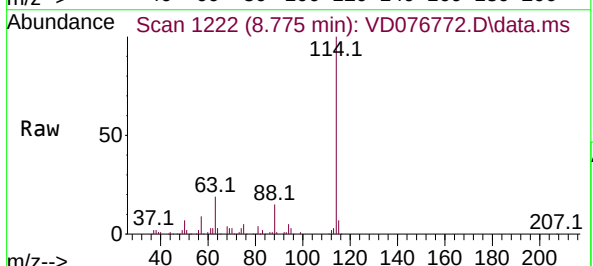
Tgt Ion:114 Resp: 303571

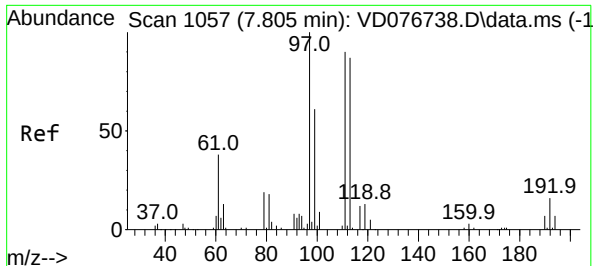
Ion Ratio Lower Upper

114 100

63 19.0 0.0 33.4

88 14.6 0.0 26.2





#35

Dibromofluoromethane

Concen: 50.050 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

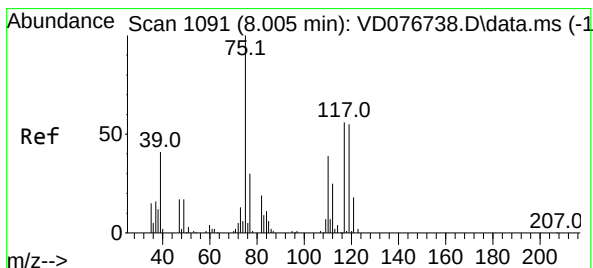
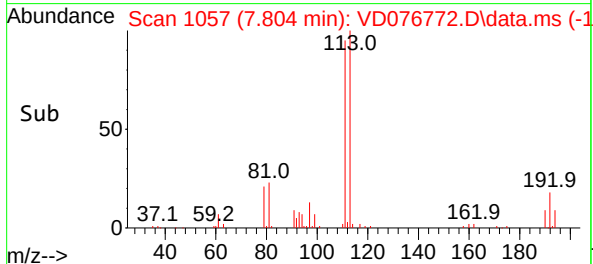
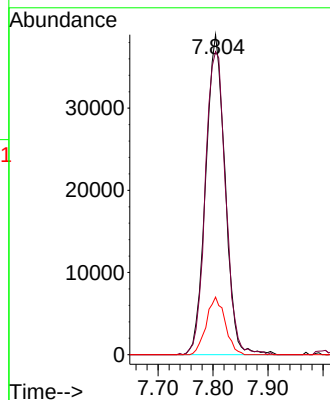
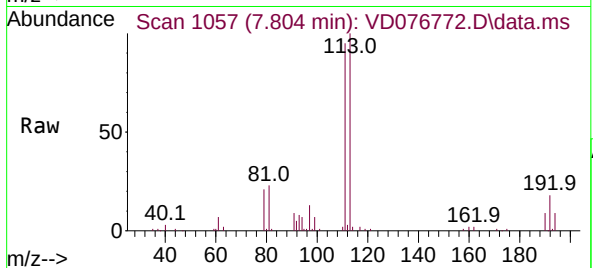
Tgt Ion:	113	Resp:	95479
Ion Ratio	Lower	Upper	
113	100		
111	99.2	84.7	127.1
192	17.5	16.8	25.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/19/2023

Supervised By :Mahesh Dadoda 07/19/2023



#36

1,1-Dichloropropene

Concen: 5.581 ug/l

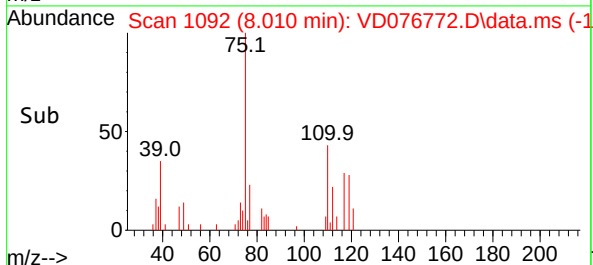
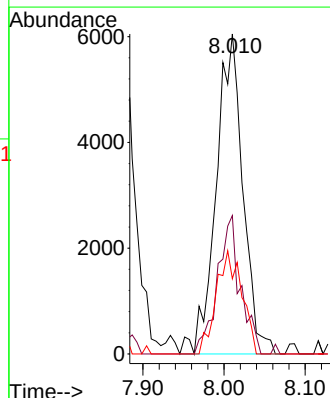
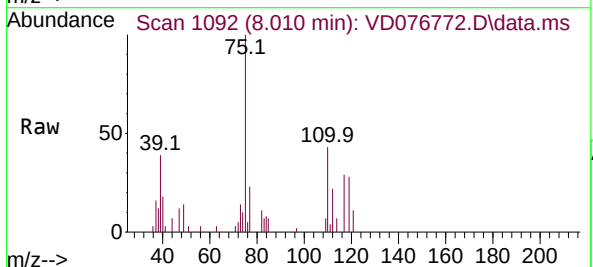
RT: 8.010 min Scan# 1092

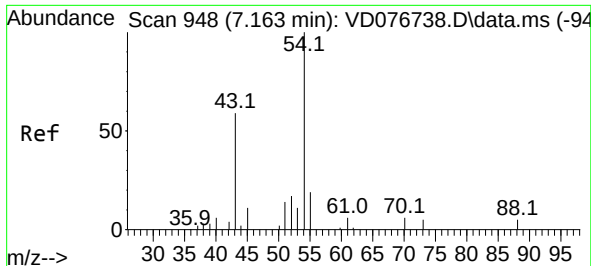
Delta R.T. 0.005 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Tgt Ion:	75	Resp:	13912
Ion Ratio	Lower	Upper	
75	100		
110	36.9	19.9	59.6
77	30.6	24.7	37.1





#37

Ethyl Acetate

Concen: 6.354 ug/l

RT: 7.163 min Scan# 948

Delta R.T. 0.000 min

Lab File: VD076772.D

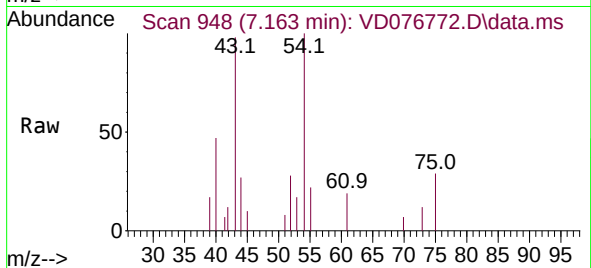
Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023



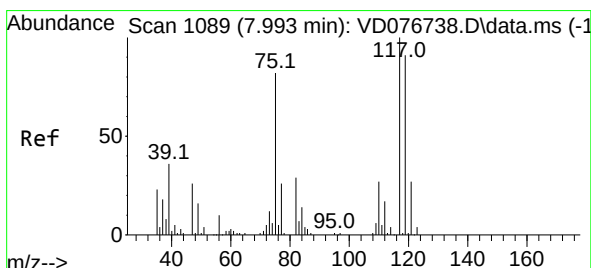
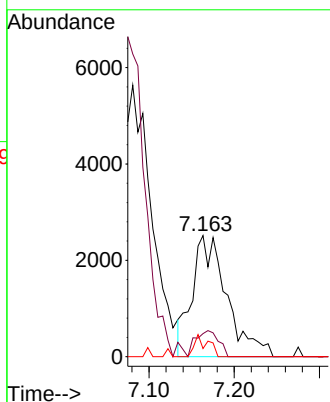
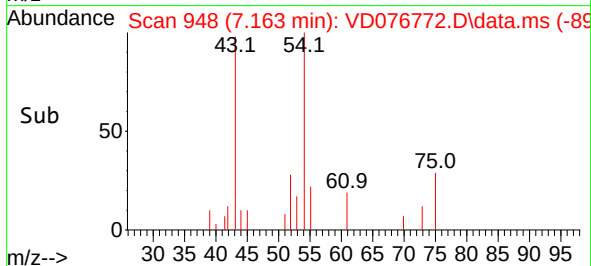
Tgt Ion: 43 Resp: 7084

Ion	Ratio	Lower	Upper
43	100		
61	14.4	14.9	22.3
70	7.0	10.0	15.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/19/2023

Supervised By :Mahesh Dadoda 07/19/2023



#38

Carbon Tetrachloride

Concen: 5.315 ug/l

RT: 7.987 min Scan# 1088

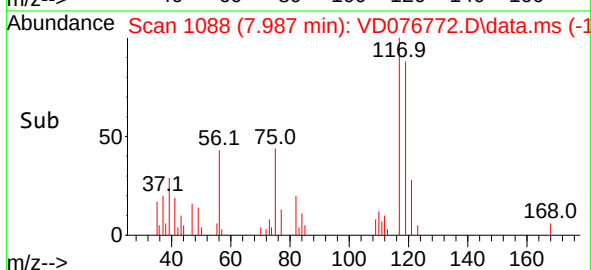
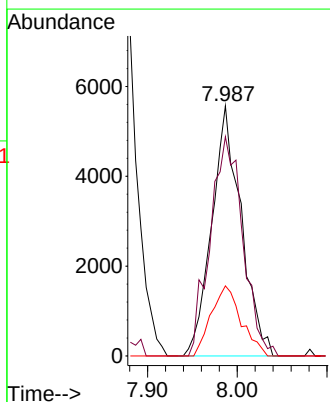
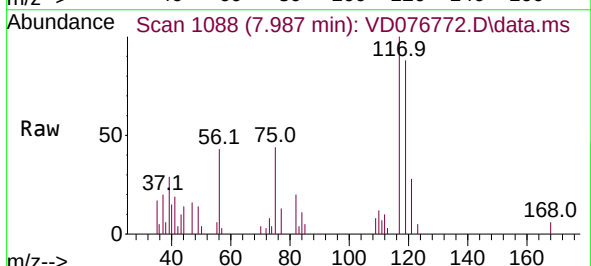
Delta R.T. -0.006 min

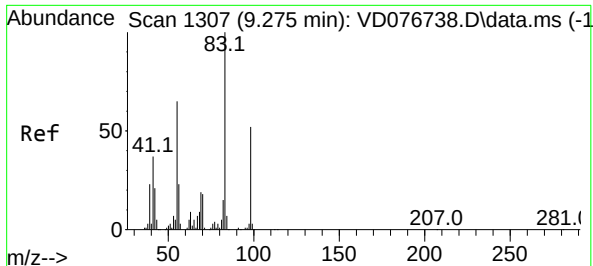
Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Tgt Ion:117 Resp: 12686

Ion	Ratio	Lower	Upper
117	100		
119	87.7	78.0	117.0
121	28.1	24.2	36.2





#39

Methylcyclohexane

Concen: 5.139 ug/l

RT: 9.275 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

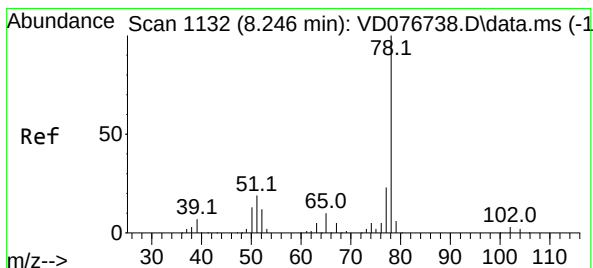
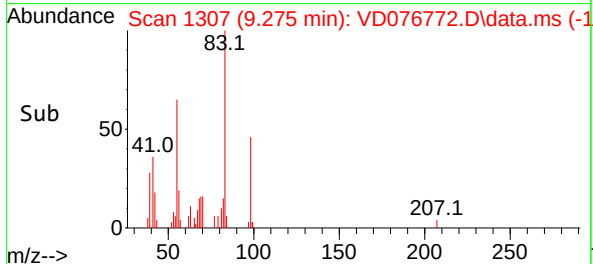
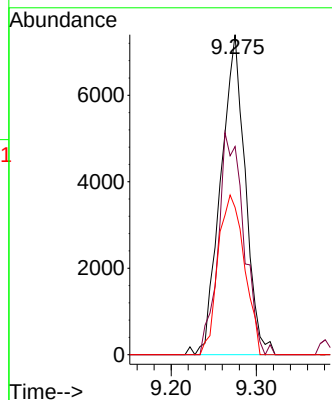
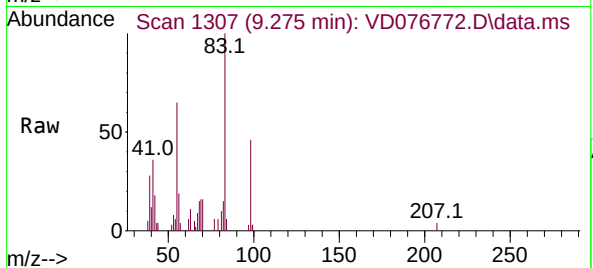
Tgt Ion: 83	Resp: 1479
Ion Ratio	Lower Upper
83 100	
55 65.0	49.4 74.0
98 46.0	38.4 57.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/19/2023

Supervised By :Mahesh Dadoda 07/19/2023



#40

Benzene

Concen: 5.317 ug/l

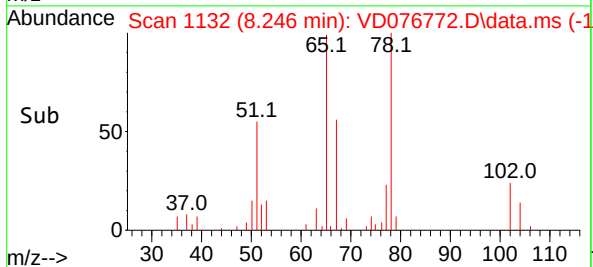
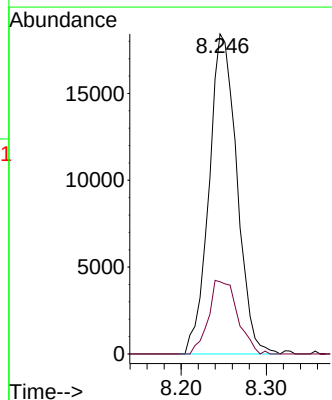
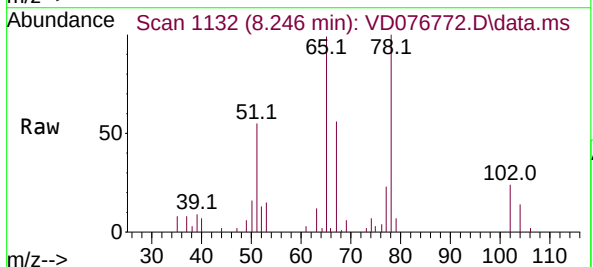
RT: 8.246 min Scan# 1132

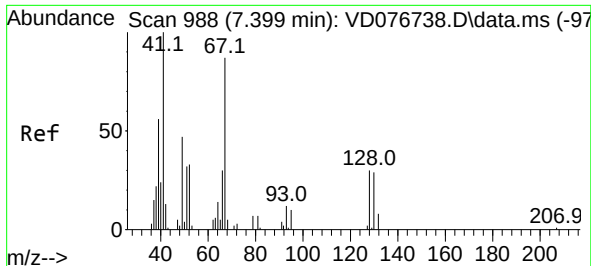
Delta R.T. -0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

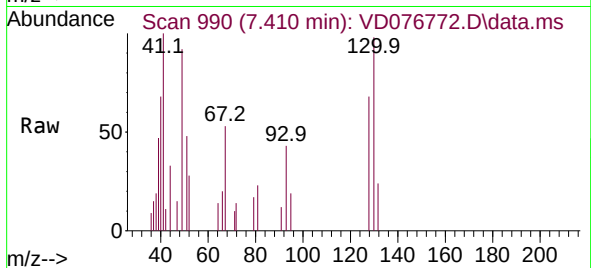
Tgt Ion: 78	Resp: 41824
Ion Ratio	Lower Upper
78 100	
77 22.5	19.4 29.0





#41
Methacrylonitrile
Concen: 4.736 ug/l m
RT: 7.410 min Scan# 91
Delta R.T. 0.011 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

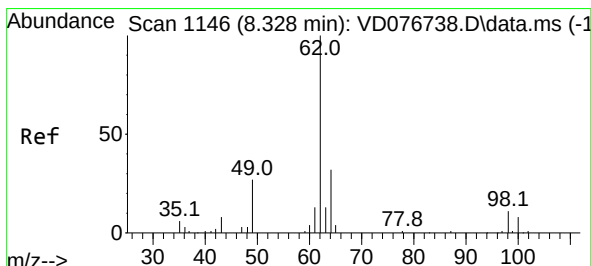
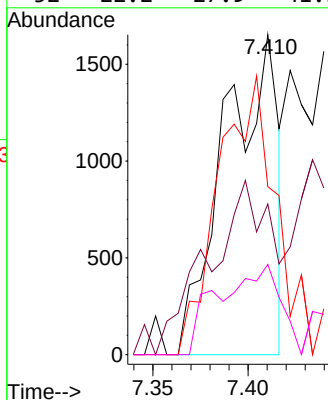
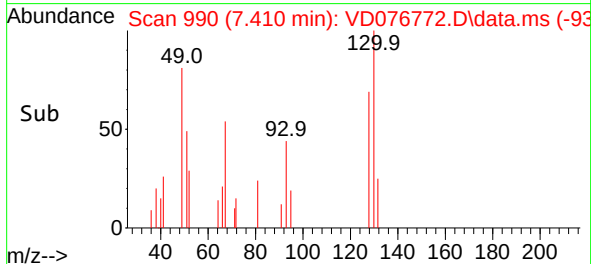
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 41 Resp: 3224
Ion Ratio Lower Upper
41 100
39 64.9 34.0 51.0
67 95.1 77.0 115.4
52 22.2 27.9 41.9#

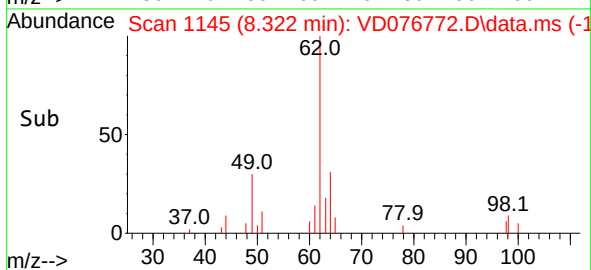
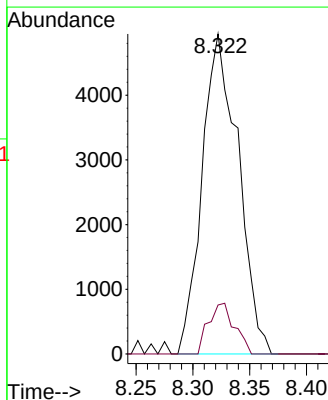
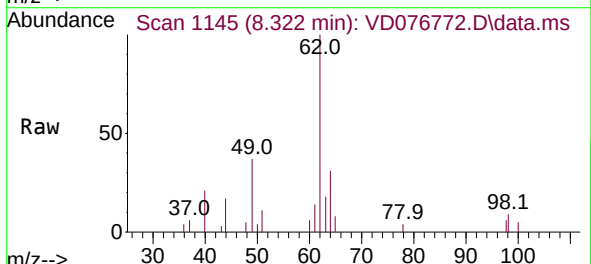
Manual Integrations
APPROVED

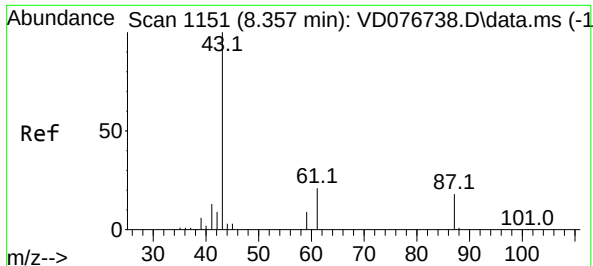
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#42
1,2-Dichloroethane
Concen: 5.349 ug/l
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

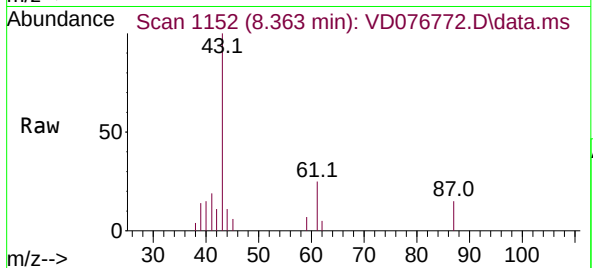
Tgt Ion: 62 Resp: 10932
Ion Ratio Lower Upper
62 100
98 11.4 0.0 25.4





#43
Isopropyl Acetate
Concen: 5.353 ug/l
RT: 8.363 min Scan# 1152
Delta R.T. 0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

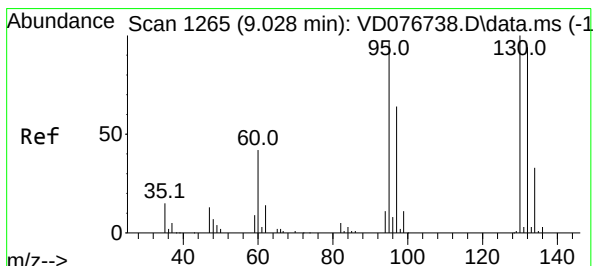
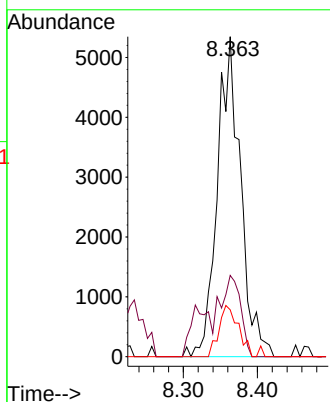
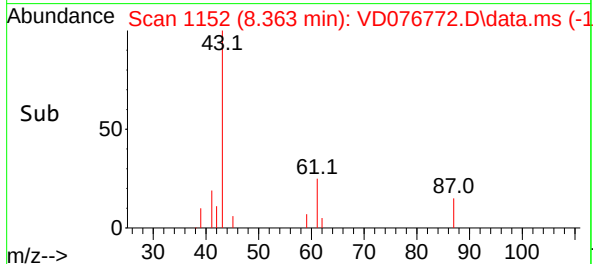
Instrument : MSVOA_D
ClientSampleId : VD076772.D
LOQ-SOIL-02-QT3-2023



Tgt Ion: 43 Resp: 1164
Ion Ratio Lower Upper
43 100
61 22.1 31.4 47.0
87 13.4 14.9 22.3

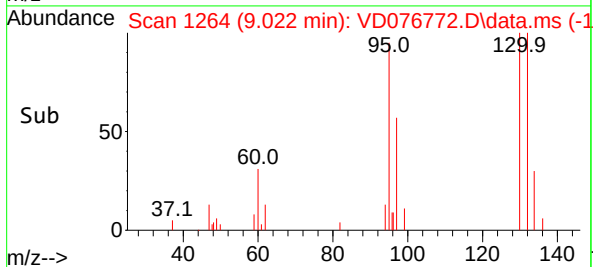
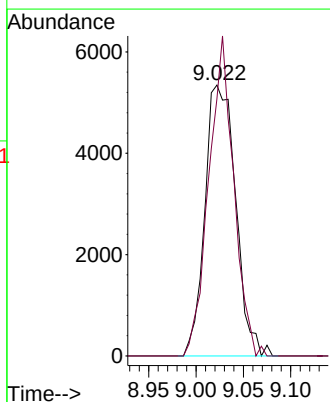
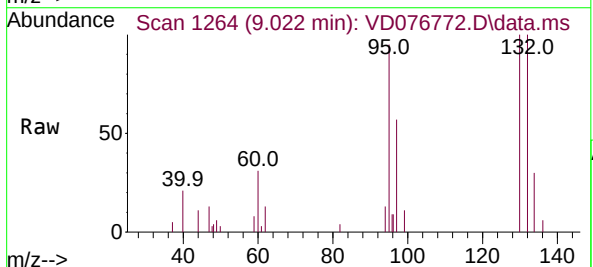
Manual Integrations
APPROVED

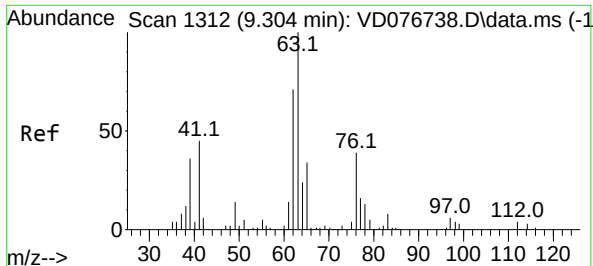
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#44
Trichloroethene
Concen: 5.631 ug/l
RT: 9.022 min Scan# 1264
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion:130 Resp: 12070
Ion Ratio Lower Upper
130 100
95 94.9 0.0 179.2





#45

1,2-Dichloropropane

Concen: 5.532 ug/l

RT: 9.298 min Scan# 1123

Delta R.T. -0.006 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

Tgt Ion: 63 Resp: 1123

Ion Ratio Lower Upper

63 100

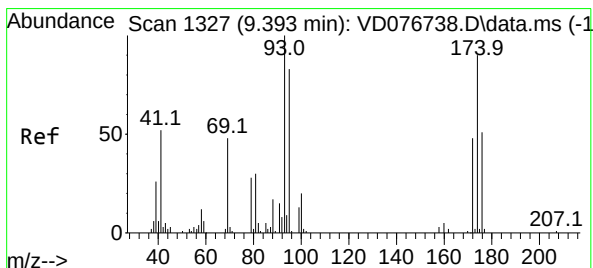
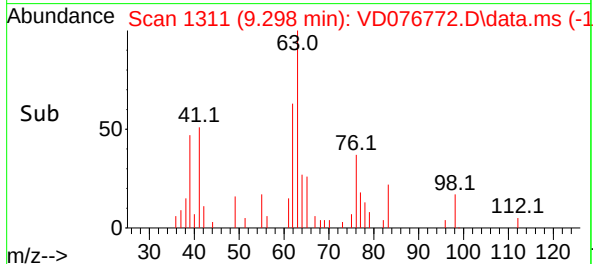
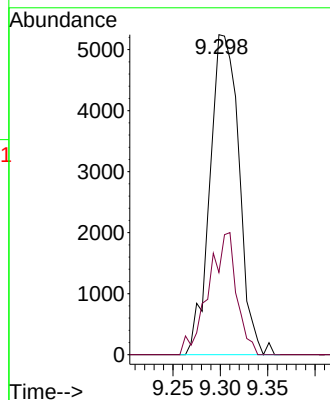
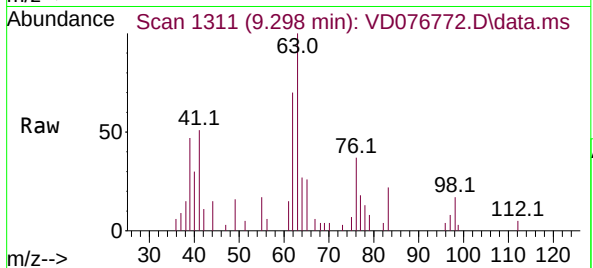
65 25.7 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/19/2023

Supervised By :Mahesh Dadoda 07/19/2023



#46

Dibromomethane

Concen: 5.447 ug/l

RT: 9.387 min Scan# 1326

Delta R.T. -0.006 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

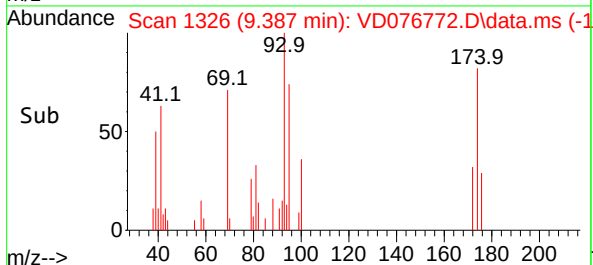
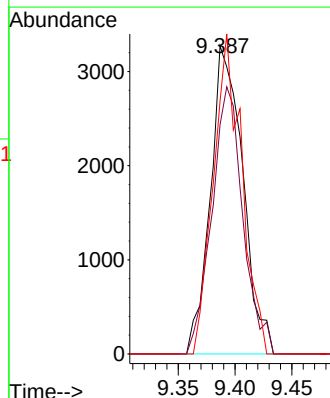
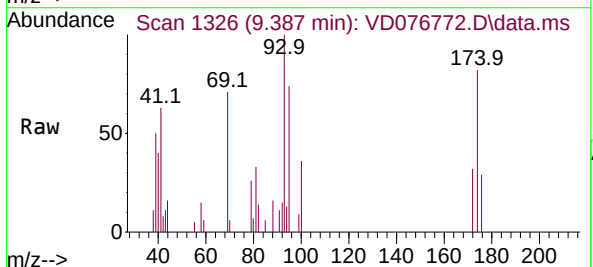
Tgt Ion: 93 Resp: 6473

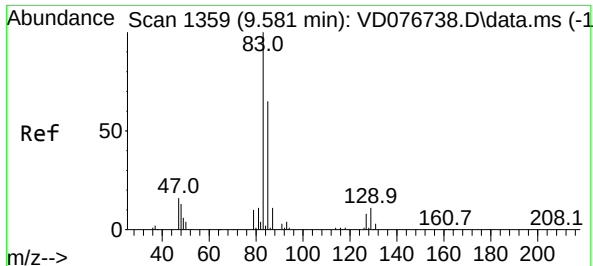
Ion Ratio Lower Upper

93 100

95 83.4 67.7 101.5

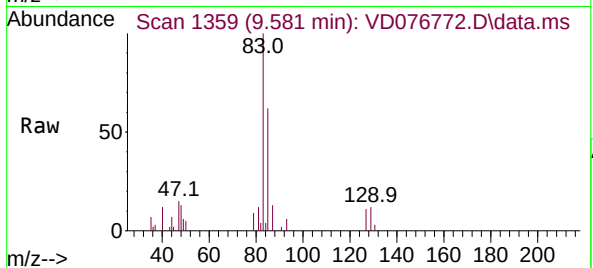
174 91.5 85.4 128.2





#47
Bromodichloromethane
Concen: 5.547 ug/l
RT: 9.581 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

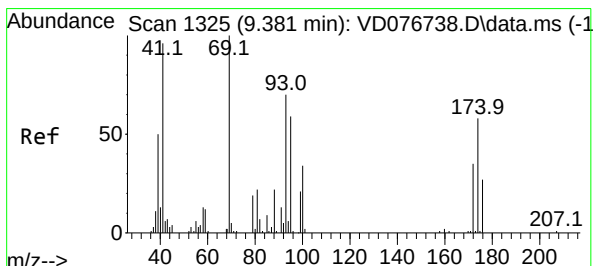
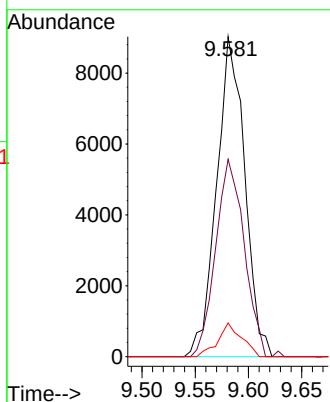
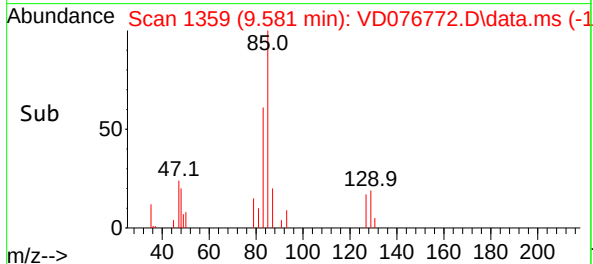
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023



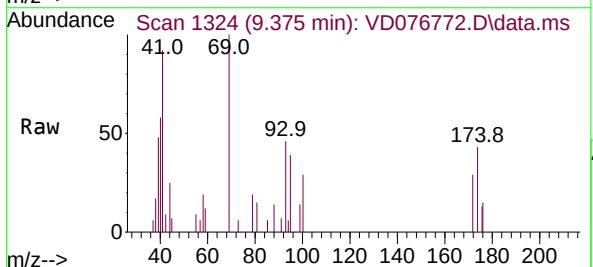
Tgt Ion: 83 Resp: 16544
Ion Ratio Lower Upper
83 100
85 61.7 50.2 75.4
127 10.6 6.3 9.5

Manual Integrations
APPROVED

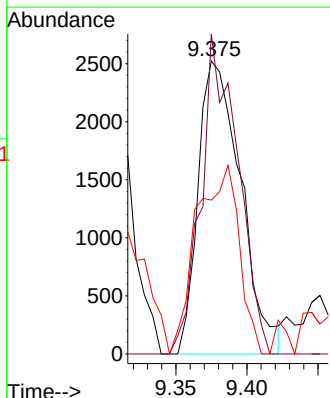
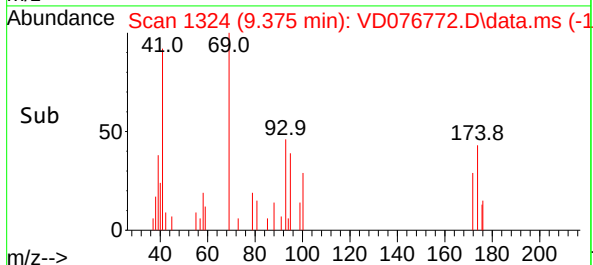
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

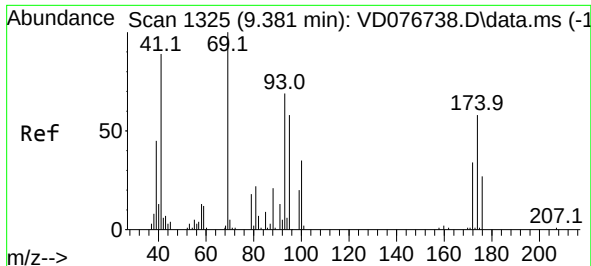


#48
Methyl methacrylate
Concen: 5.313 ug/l
RT: 9.375 min Scan# 1324
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27



Tgt Ion: 41 Resp: 5261
Ion Ratio Lower Upper
41 100
69 94.6 102.2 153.2#
39 64.2 41.4 62.2#





#49

1,4-Dioxane

Concen: 54.314 ug/l

RT: 9.381 min Scan# 1325

Delta R.T. -0.000 min

Lab File: VD076772.D

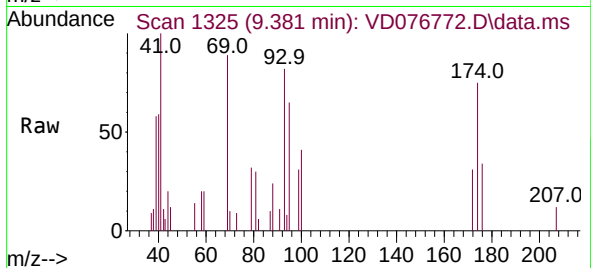
Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

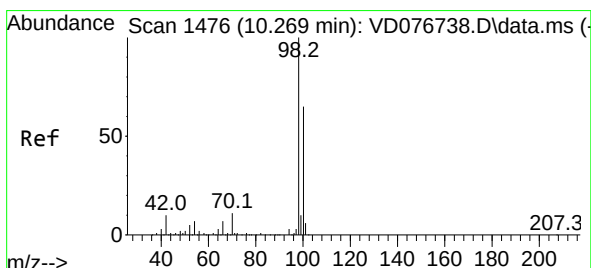
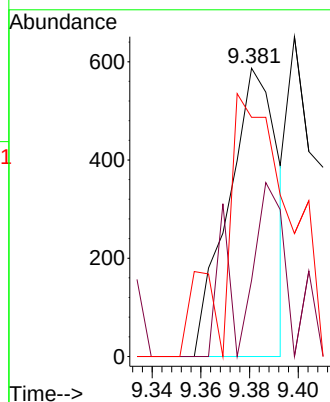
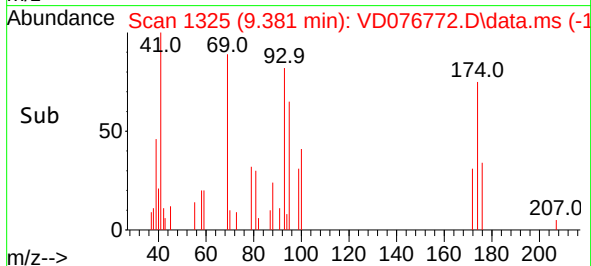


Tgt Ion: 88	Resp: 82
Ion Ratio	Lower Upper
88	100
43	41.8 19.0 28.6
58	117.2 43.5 65.3

Manual Integrations
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Reviewed By :John Carlone 07/19/2023

Supervised By :Mahesh Dadoda 07/19/2023



#50

Toluene-d8

Concen: 45.941 ug/l

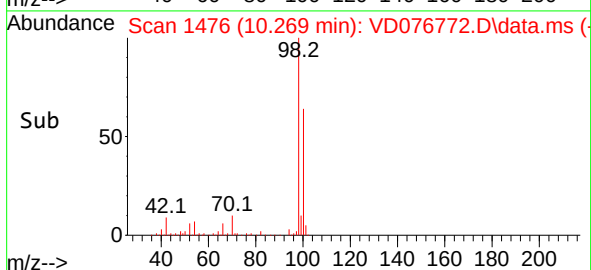
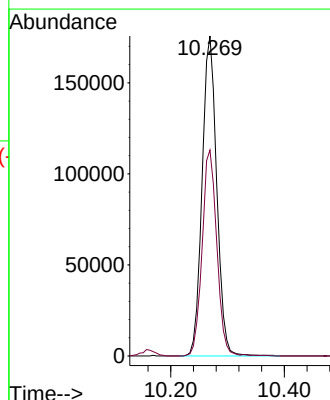
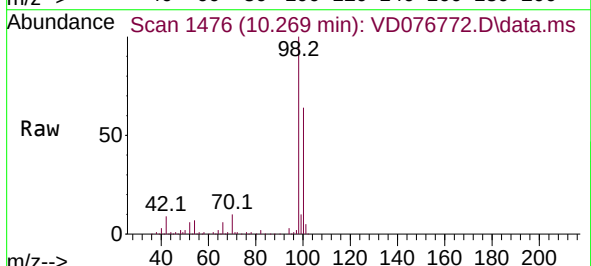
RT: 10.269 min Scan# 1476

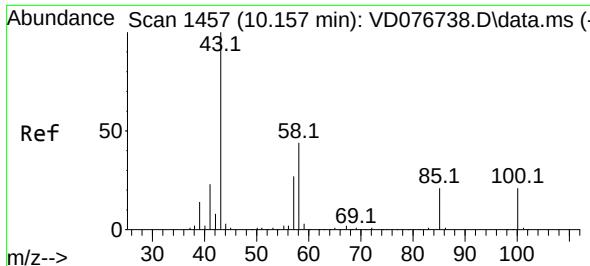
Delta R.T. 0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

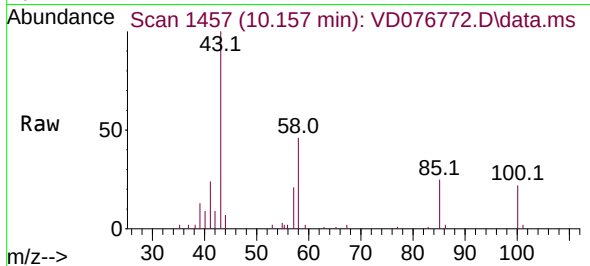
Tgt Ion: 98	Resp: 313521
Ion Ratio	Lower Upper
98	100
100	64.5 50.3 75.5





#51
4-Methyl-2-Pentanone
Concen: 26.186 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

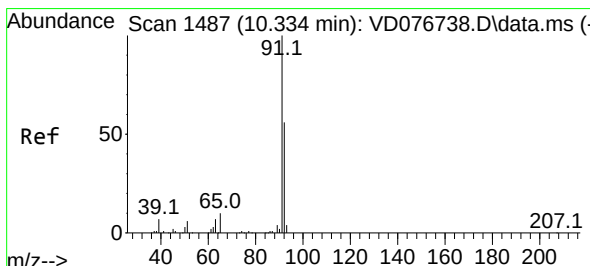
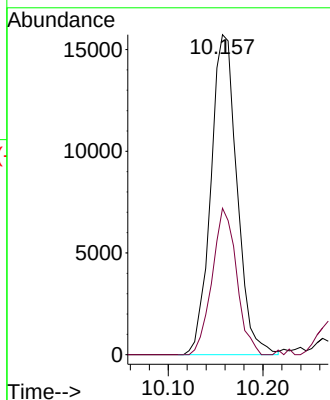
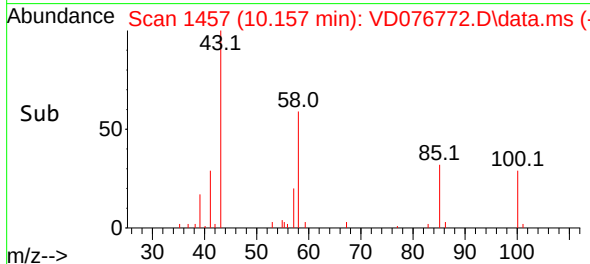
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023



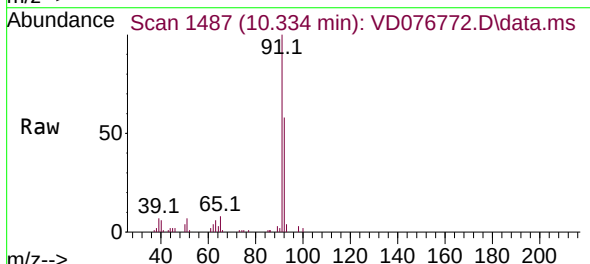
Tgt Ion: 43 Resp: 30334
Ion Ratio Lower Upper
43 100
58 42.5 38.9 58.3

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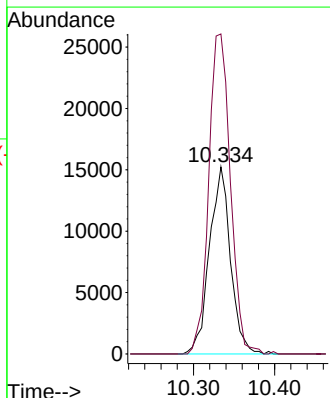
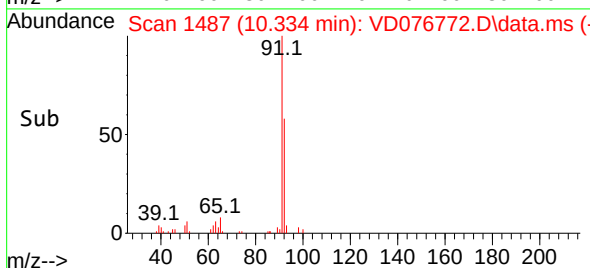
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

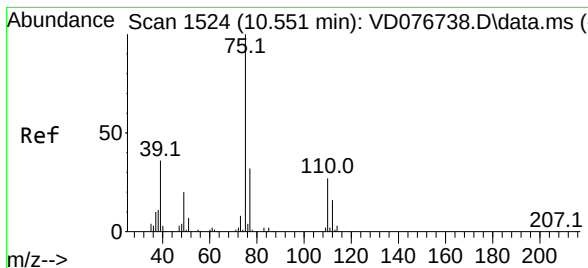


#52
Toluene
Concen: 5.322 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27



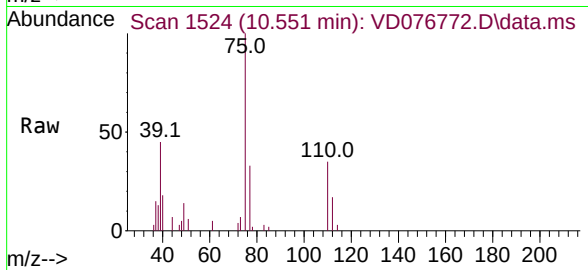
Tgt Ion: 92 Resp: 27492
Ion Ratio Lower Upper
92 100
91 175.7 143.0 214.4





#53
t-1,3-Dichloropropene
Concen: 5.112 ug/l
RT: 10.551 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

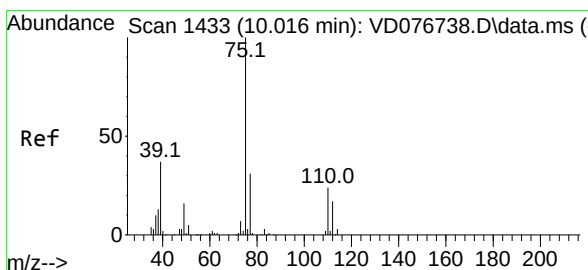
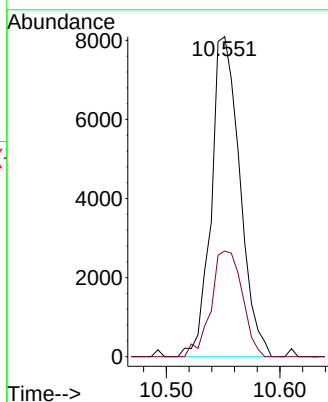
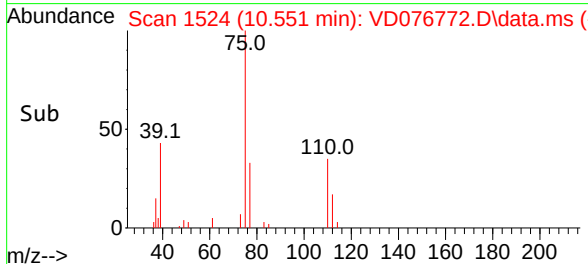
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023



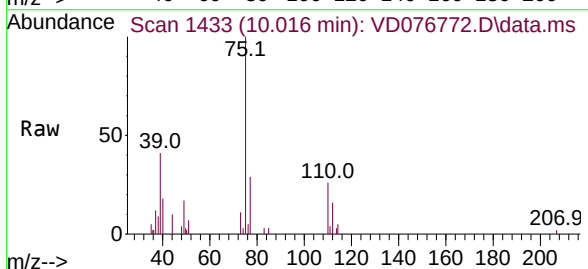
Tgt Ion: 75 Resp: 14152
Ion Ratio Lower Upper
75 100
77 33.0 25.3 37.9

Manual Integrations
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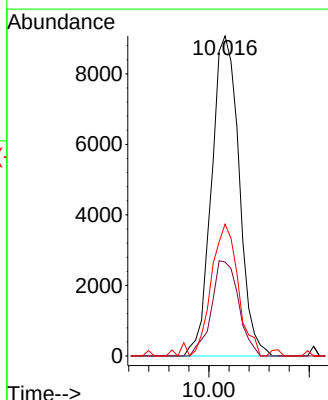
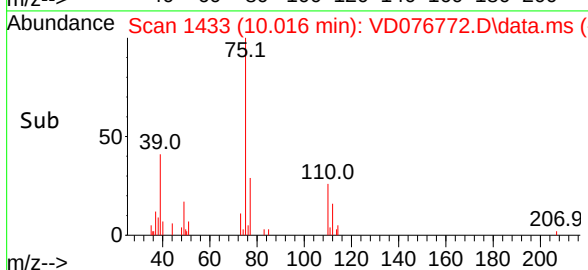
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

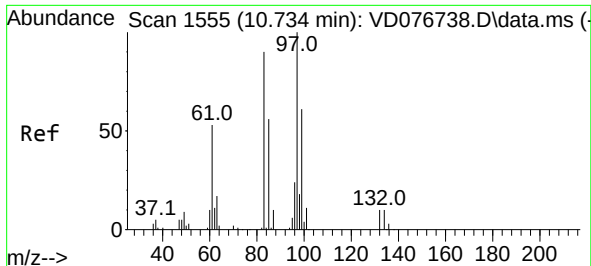


#54
cis-1,3-Dichloropropene
Concen: 5.279 ug/l
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27



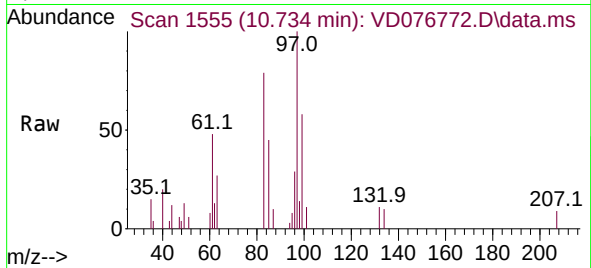
Tgt Ion: 75 Resp: 17223
Ion Ratio Lower Upper
75 100
77 29.3 25.5 38.3
39 41.2 22.1 33.1#





#55
1,1,2-Trichloroethane
Concen: 5.525 ug/l
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

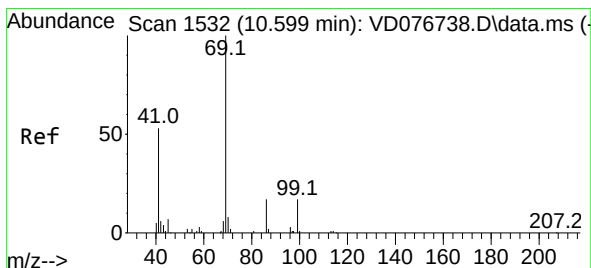
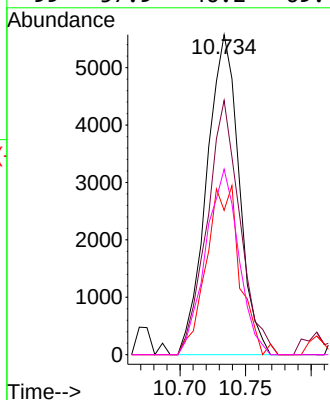
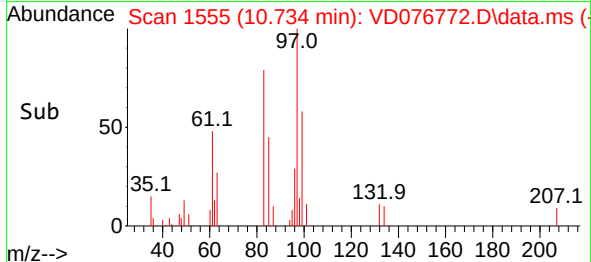
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT3-2023



Tgt Ion	Ratio	Lower	Upper
97	100		
83	79.4	65.8	98.6
85	45.1	45.7	68.5
99	57.9	46.2	69.4

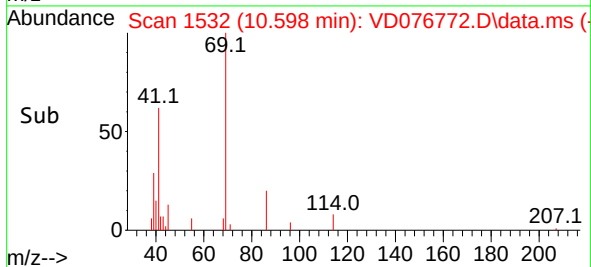
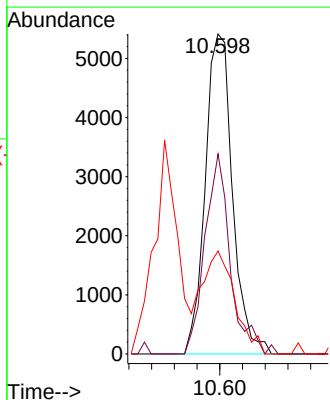
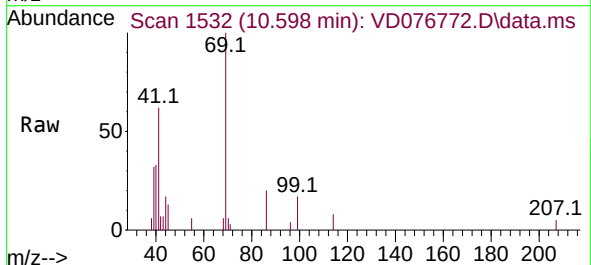
Manual Integrations
APPROVED

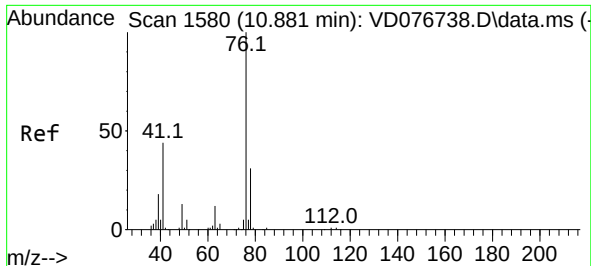
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#56
Ethyl methacrylate
Concen: 4.504 ug/l
RT: 10.598 min Scan# 1532
Delta R.T. -0.001 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	58.3	39.1	58.7
39	39.0	20.0	30.0





#57

1,3-Dichloropropane

Concen: 5.415 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

Tgt Ion: 76 Resp: 1530

Ion Ratio Lower Upper

76 100

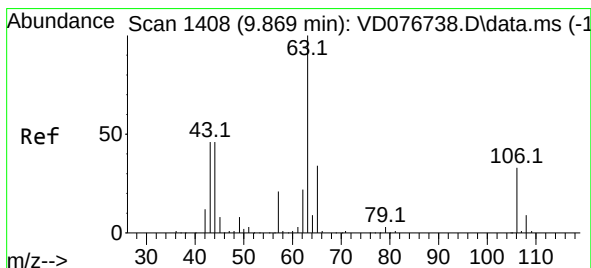
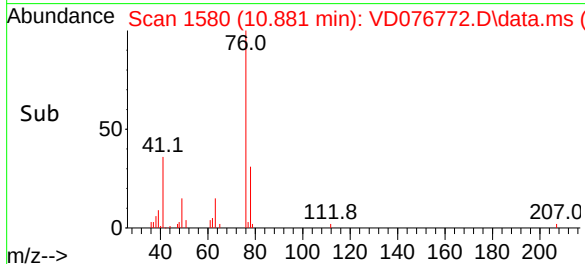
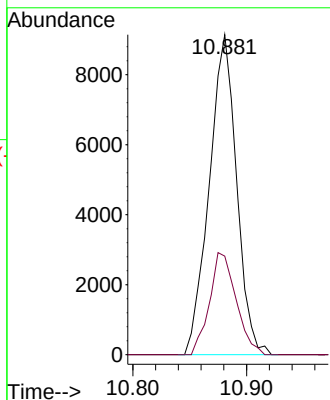
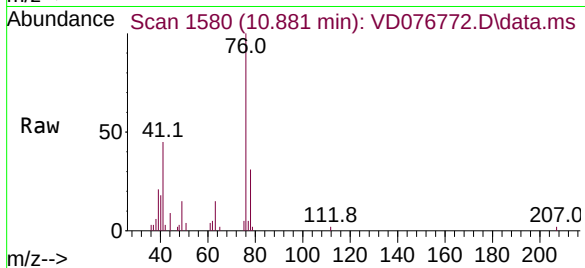
78 31.1 26.4 39.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/19/2023

Supervised By :Mahesh Dadoda 07/19/2023



#58

2-Chloroethyl Vinyl ether

Concen: 24.858 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD076772.D

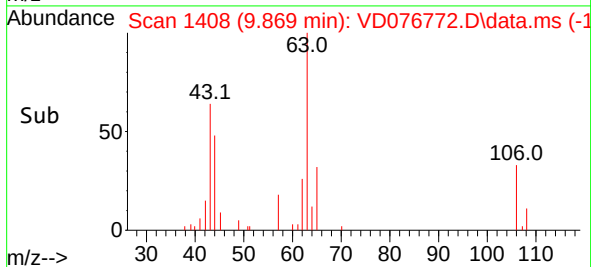
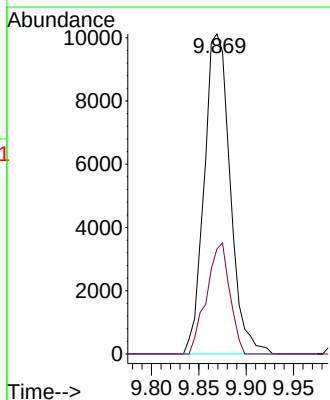
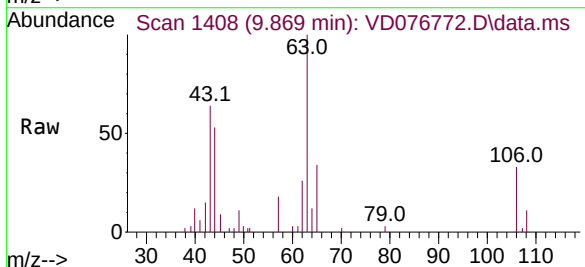
Acq: 18 Jul 2023 12:27

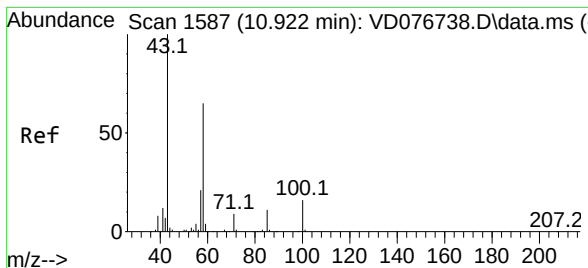
Tgt Ion: 63 Resp: 19273

Ion Ratio Lower Upper

63 100

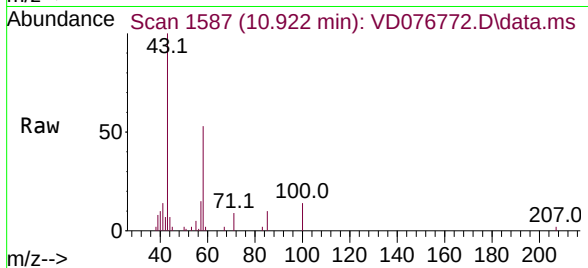
106 30.9 25.3 37.9





#59
2-Hexanone
Concen: 25.402 ug/l
RT: 10.922 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

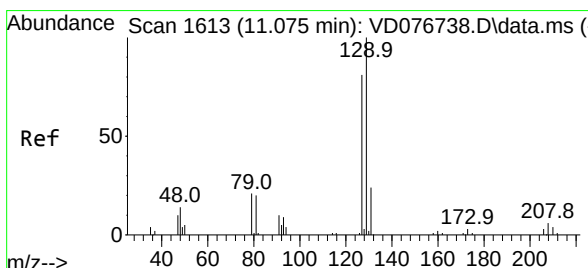
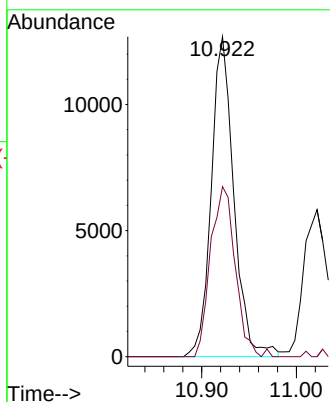
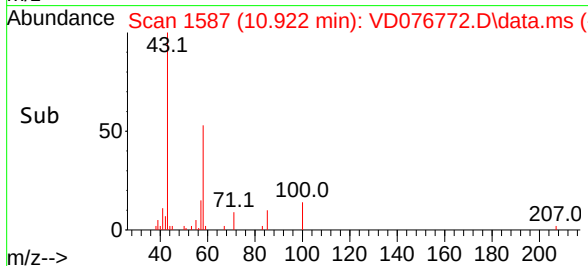
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 43 Resp: 20990
Ion Ratio Lower Upper
43 100
58 57.7 34.1 102.2

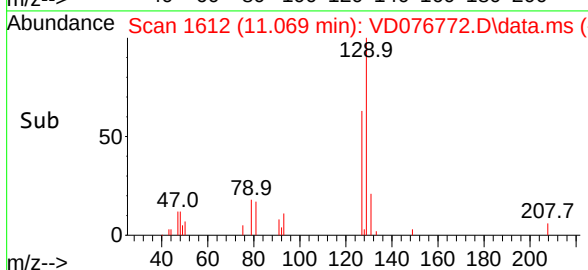
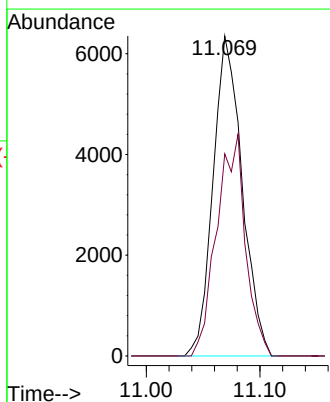
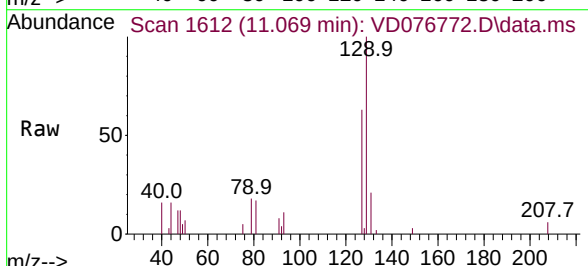
Manual Integrations
APPROVED

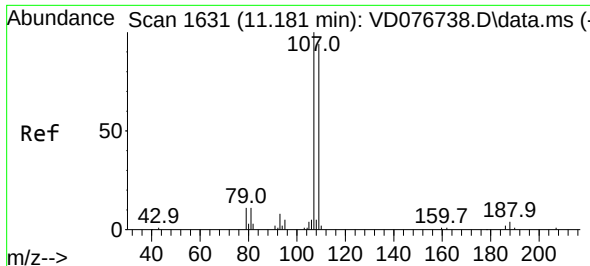
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#60
Dibromochloromethane
Concen: 5.594 ug/l
RT: 11.069 min Scan# 1612
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion:129 Resp: 11278
Ion Ratio Lower Upper
129 100
127 68.5 37.1 111.5





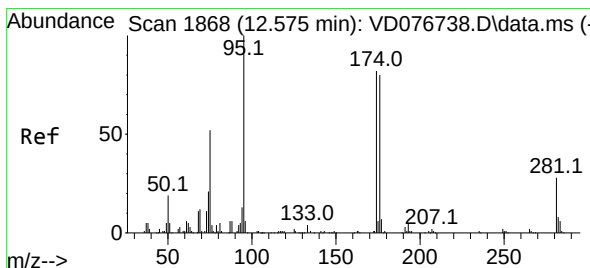
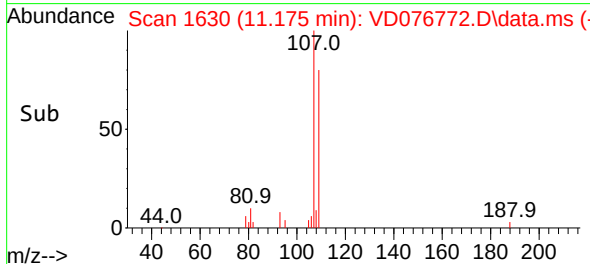
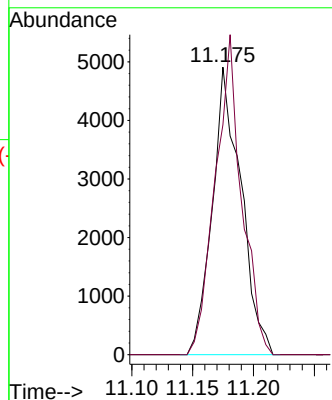
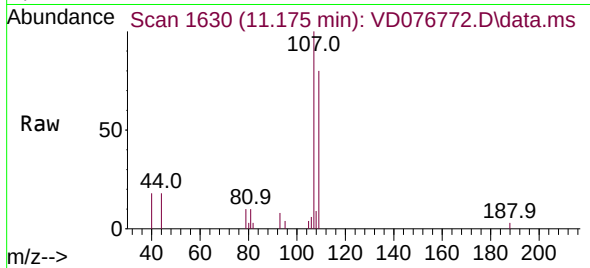
#61
1,2-Dibromoethane
Concen: 4.989 ug/l
RT: 11.175 min Scan# 1630
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

Tgt Ion:107 Resp: 802
Ion Ratio Lower Upper
107 100
109 102.8 75.6 113.4

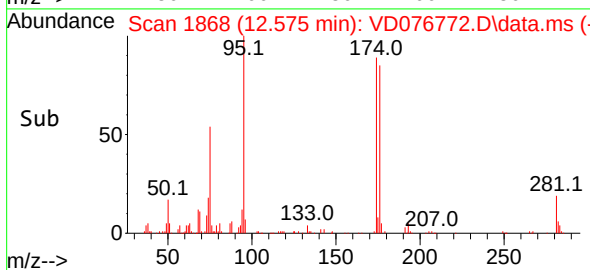
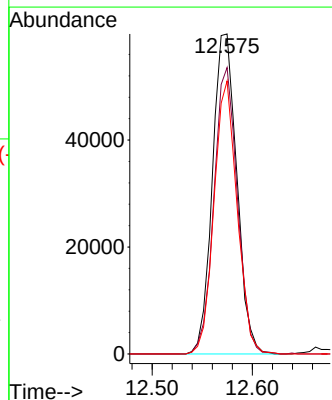
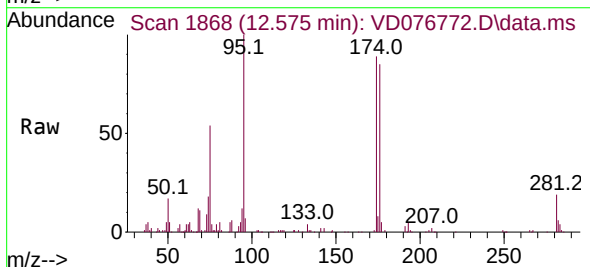
Manual Integrations
APPROVED

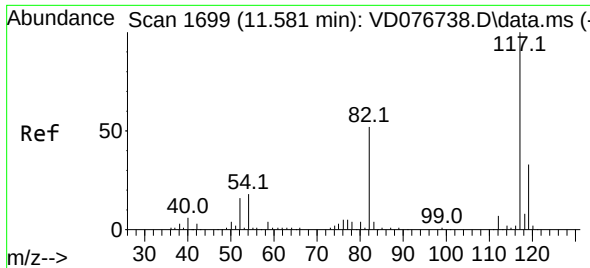
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#62
4-Bromofluorobenzene
Concen: 45.741 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

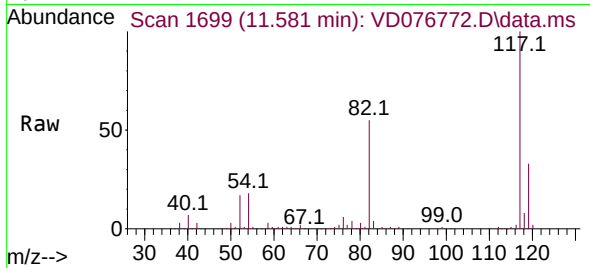
Tgt Ion: 95 Resp: 100983
Ion Ratio Lower Upper
95 100
174 86.1 0.0 201.8
176 80.8 0.0 191.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

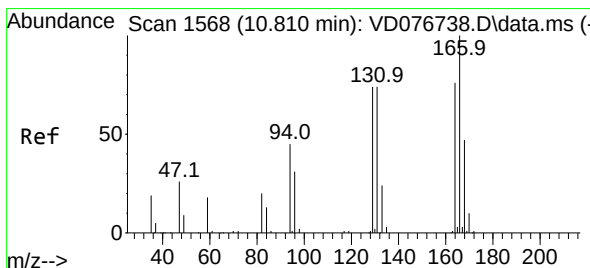
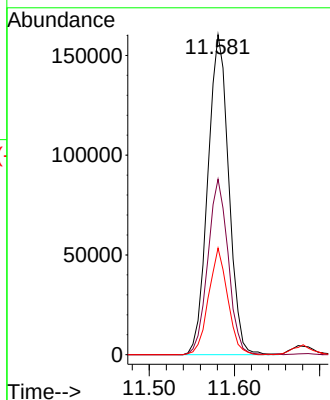
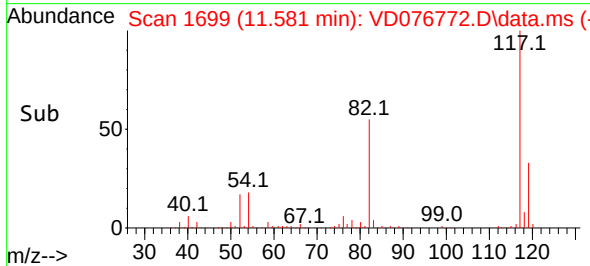
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:117 Resp: 27429
Ion Ratio Lower Upper
117 100
82 54.9 38.3 57.5
119 33.3 25.0 37.4

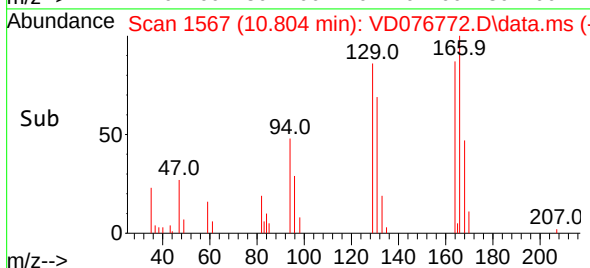
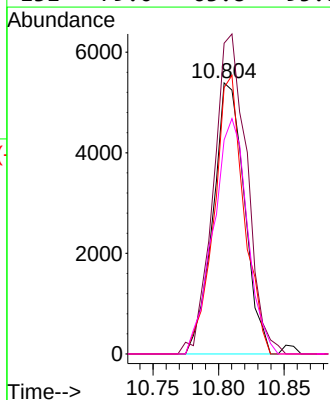
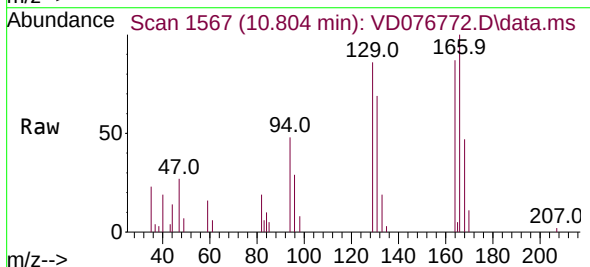
Manual Integrations
APPROVED

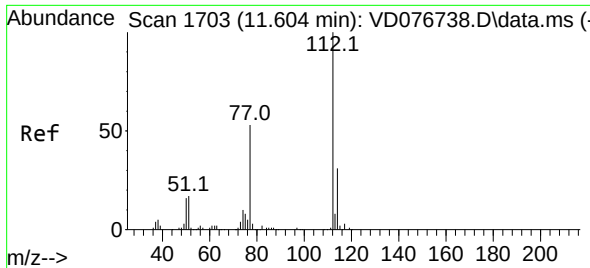
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#64
Tetrachloroethene
Concen: 5.730 ug/l
RT: 10.804 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

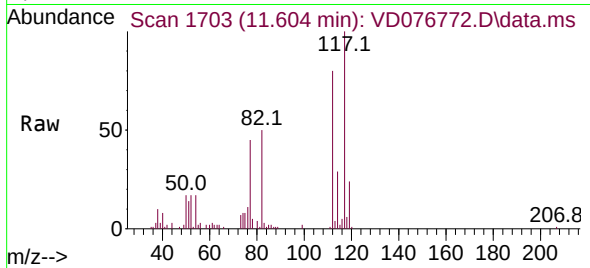
Tgt Ion:164 Resp: 8962
Ion Ratio Lower Upper
164 100
166 114.6 99.2 148.8
129 98.2 68.4 102.6
131 79.0 63.8 95.8





#65
Chlorobenzene
Concen: 5.452 ug/l
RT: 11.604 min Scan# 111
Delta R.T. 0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

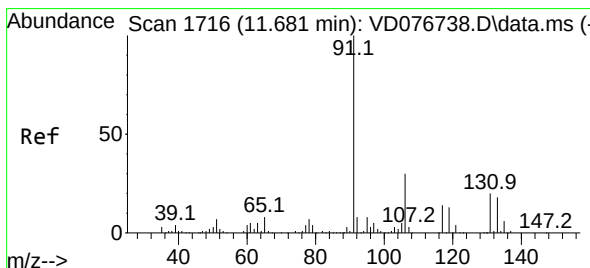
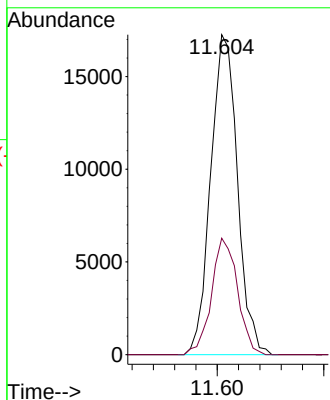
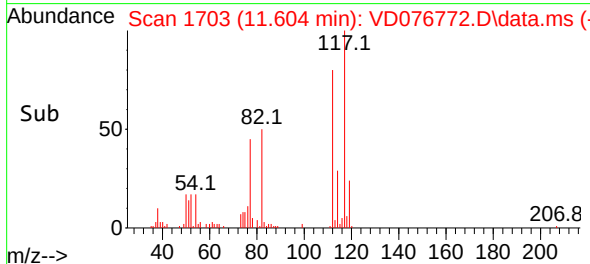
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023



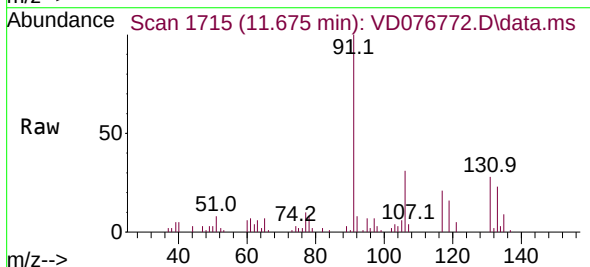
Tgt Ion:112 Resp: 30074
Ion Ratio Lower Upper
112 100
114 36.4 25.1 37.7

Manual Integrations
APPROVED

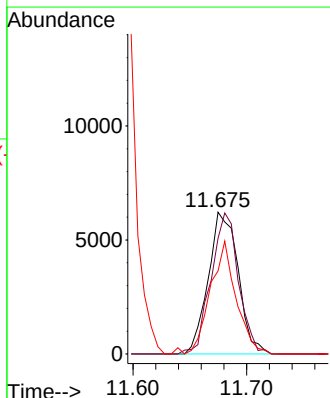
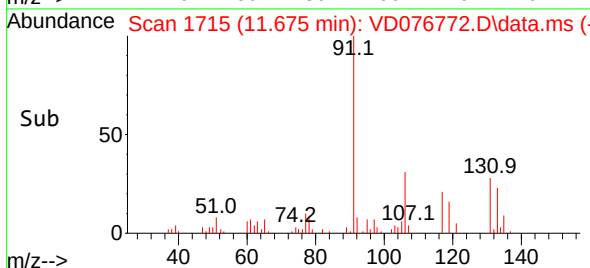
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

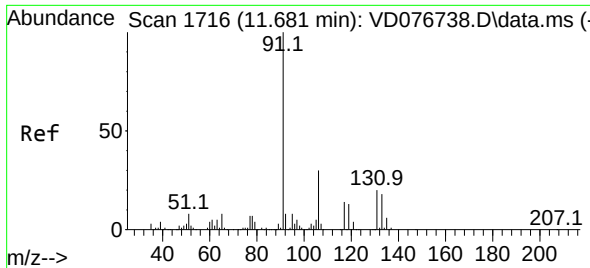


#66
1,1,1,2-Tetrachloroethane
Concen: 5.521 ug/l
RT: 11.675 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27



Tgt Ion:131 Resp: 11339
Ion Ratio Lower Upper
131 100
133 91.7 48.5 145.5
119 69.2 35.6 106.9





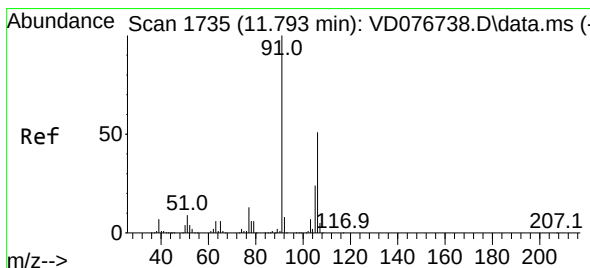
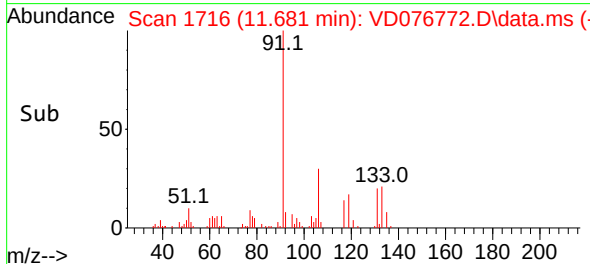
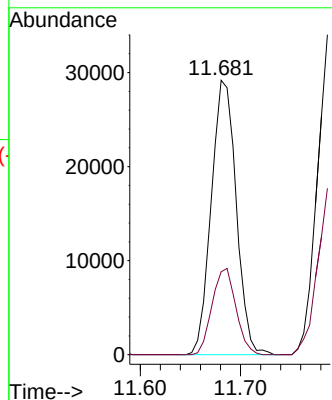
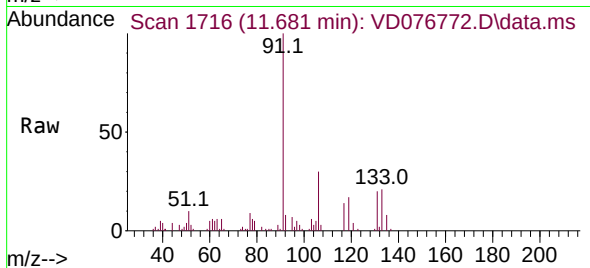
#67
Ethyl Benzene
Concen: 5.195 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

Tgt Ion: 91 Resp: 5033
Ion Ratio Lower Upper
91 100
106 30.2 26.5 39.7

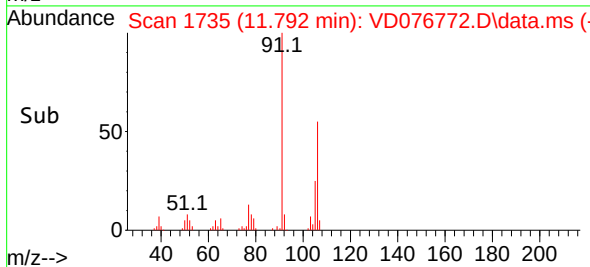
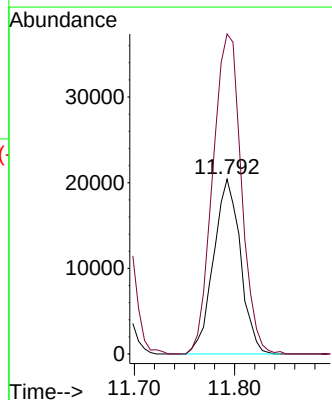
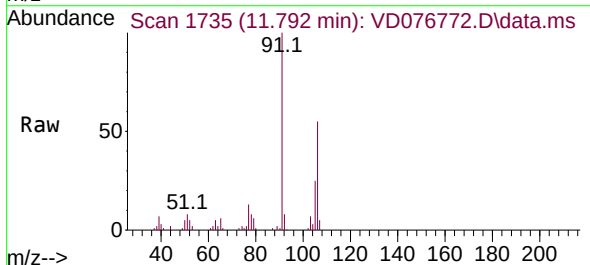
Manual Integrations
APPROVED

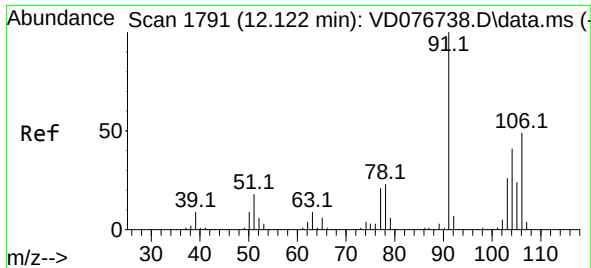
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#68
m/p-Xylenes
Concen: 10.236 ug/l
RT: 11.792 min Scan# 1735
Delta R.T. -0.001 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion:106 Resp: 38088
Ion Ratio Lower Upper
106 100
91 194.2 147.0 220.6





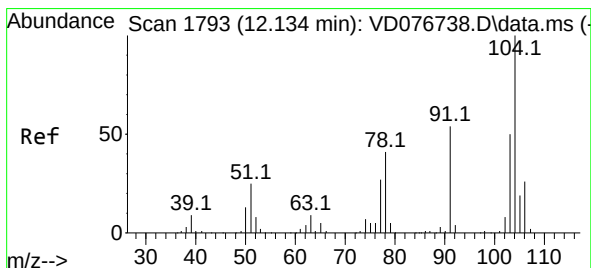
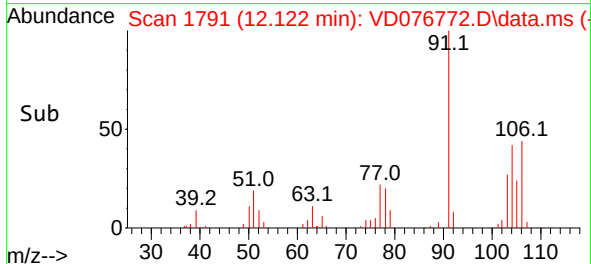
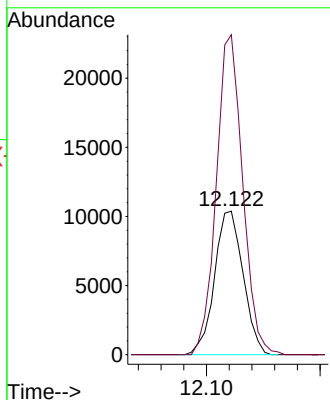
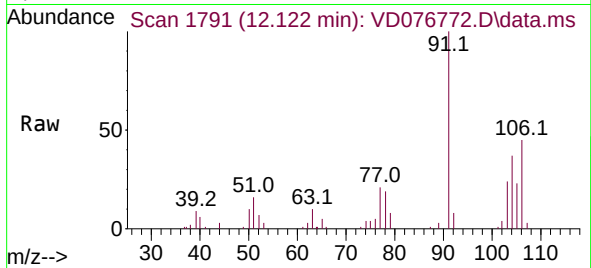
#69
o-Xylene
Concen: 5.044 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

Tgt Ion:106 Resp: 1814
Ion Ratio Lower Upper
106 100
91 205.7 97.9 293.6

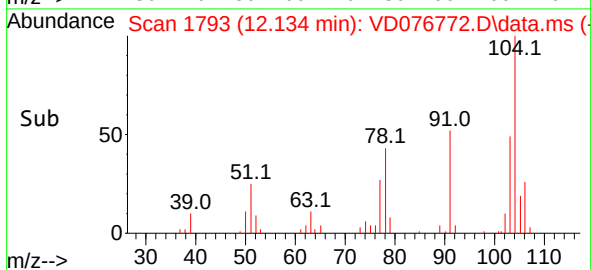
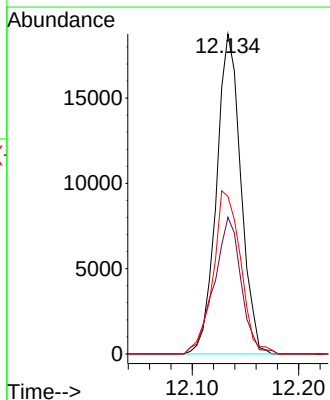
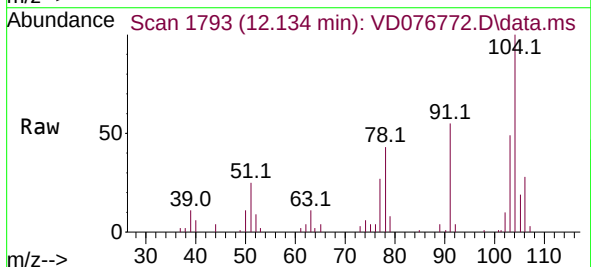
Manual Integrations
APPROVED

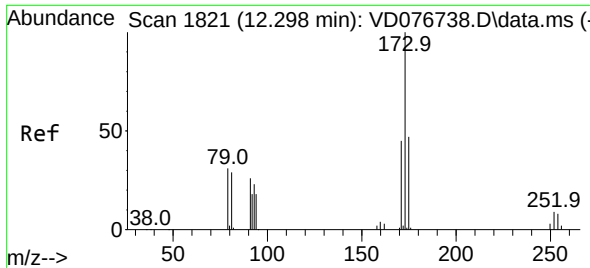
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#70
Styrene
Concen: 4.727 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

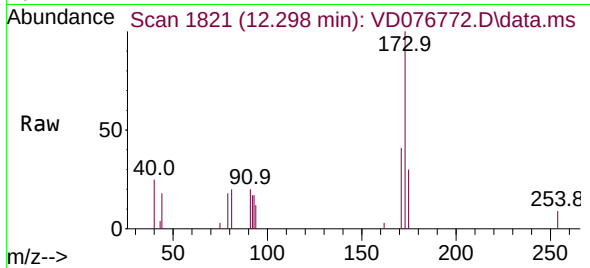
Tgt Ion:104 Resp: 29772
Ion Ratio Lower Upper
104 100
78 47.3 33.2 49.8
103 57.3 43.6 65.4





#71
Bromoform
Concen: 6.004 ug/l
RT: 12.298 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

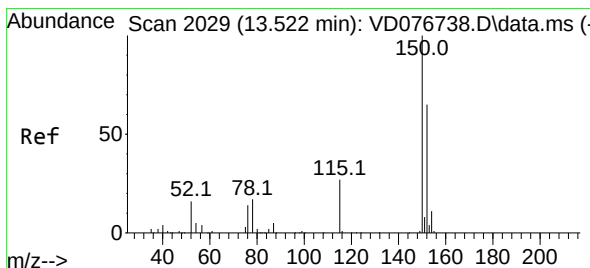
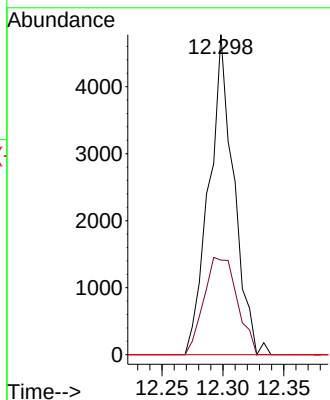
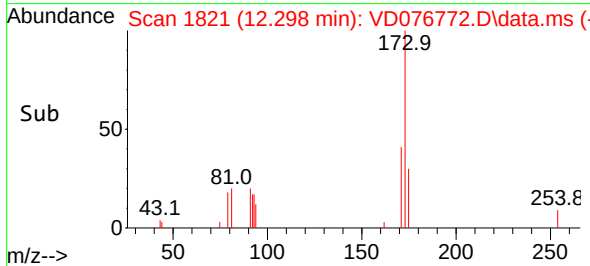
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023



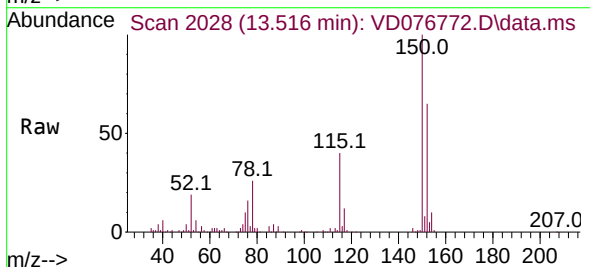
Tgt Ion:173 Resp: 6754
Ion Ratio Lower Upper
173 100
175 40.9 24.6 73.8
254 0.0 0.0 0.0

Manual Integrations
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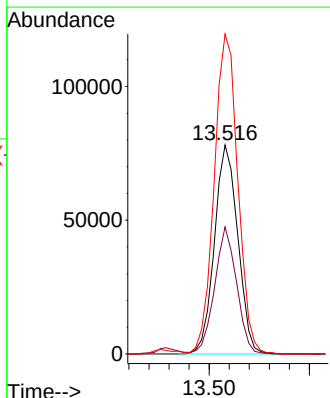
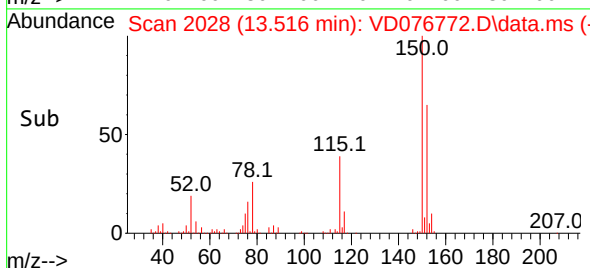
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

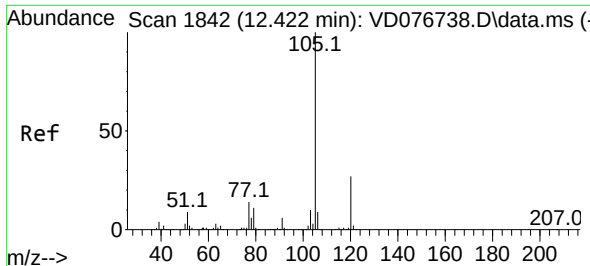


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27



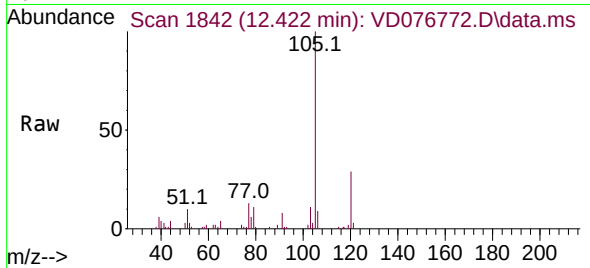
Tgt Ion:152 Resp: 126072
Ion Ratio Lower Upper
152 100
115 57.1 27.1 81.3
150 155.0 0.0 353.6





#73
Isopropylbenzene
Concen: 5.195 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

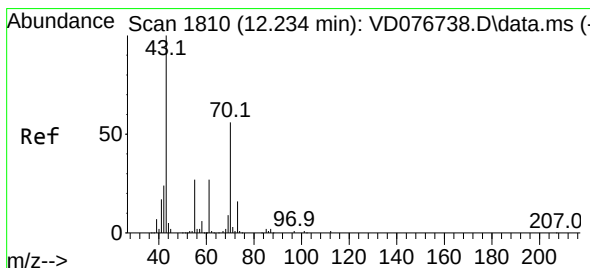
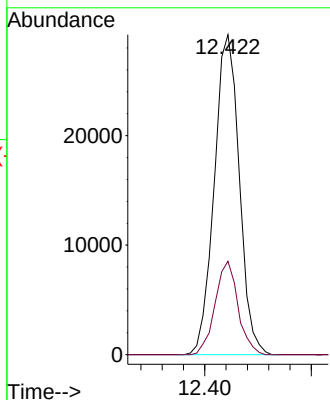
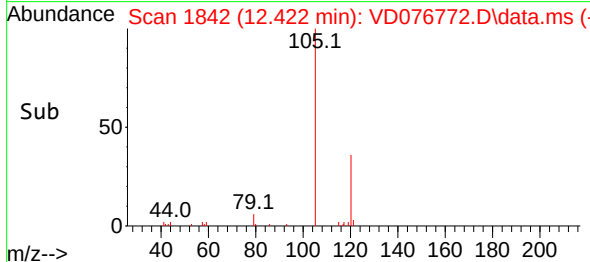
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT3-2023



Tgt Ion:105 Resp: 4752
Ion Ratio Lower Upper
105 100
120 26.8 14.3 42.9

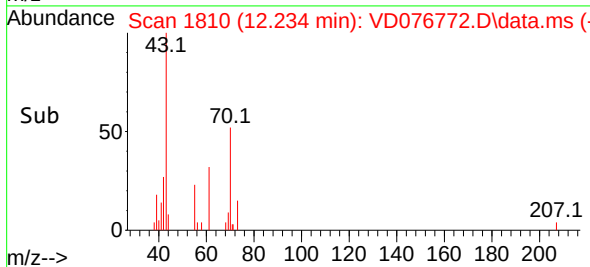
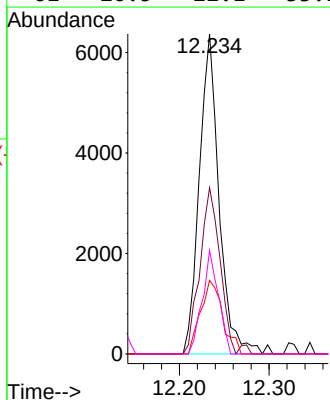
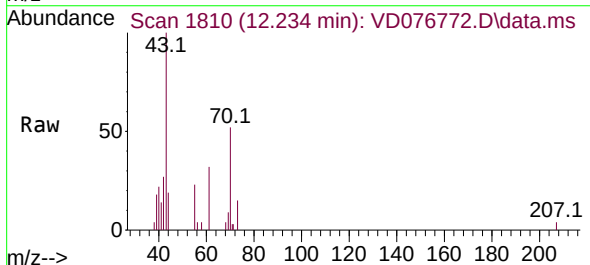
Manual Integrations
APPROVED

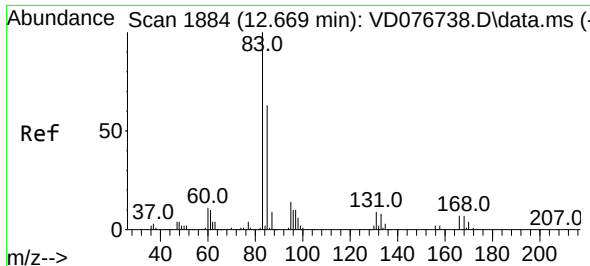
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#74
N-ethyl acetate
Concen: 5.070 ug/l
RT: 12.234 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

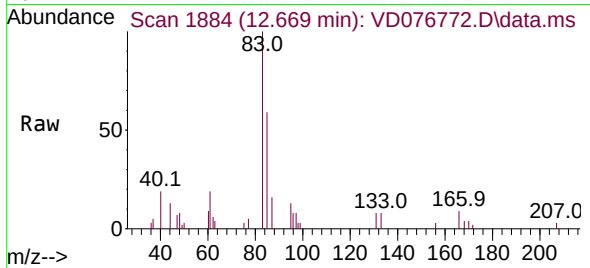
Tgt Ion: 43 Resp: 9769
Ion Ratio Lower Upper
43 100
70 53.4 45.0 67.4
55 25.6 23.8 35.6
61 26.5 22.1 33.1





#75
1,1,2,2-Tetrachloroethane
Concen: 5.702 ug/l
RT: 12.669 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

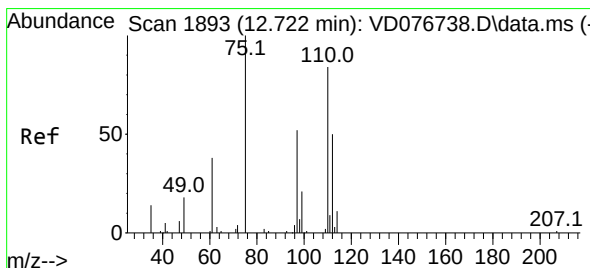
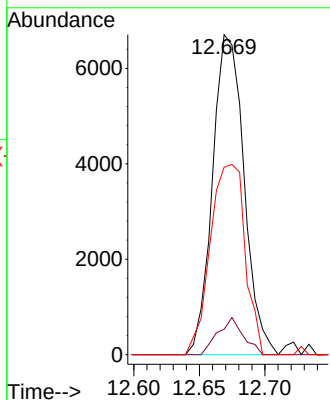
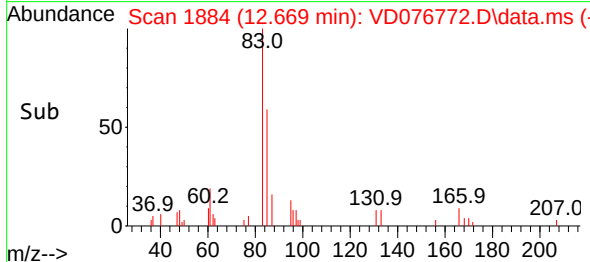
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT3-2023



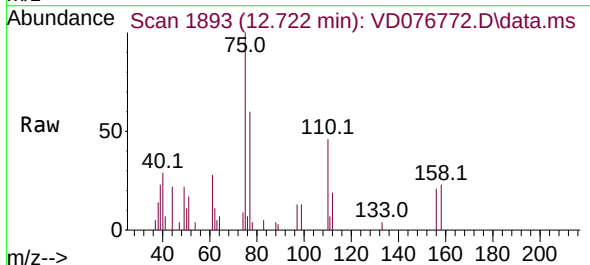
Tgt Ion: 83 Resp: 11199
Ion Ratio Lower Upper
83 100
131 9.4 5.1 15.3
85 65.6 32.6 97.8

Manual Integrations
APPROVED

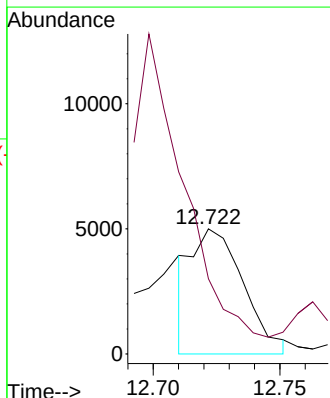
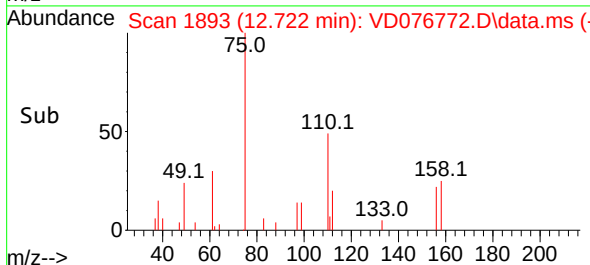
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

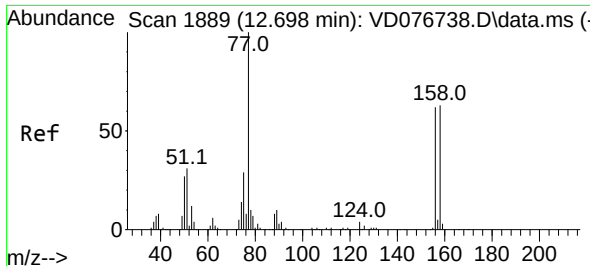


#76
1,2,3-Trichloropropane
Concen: 5.884 ug/l m
RT: 12.722 min Scan# 1893
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27



Tgt Ion: 75 Resp: 7055
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





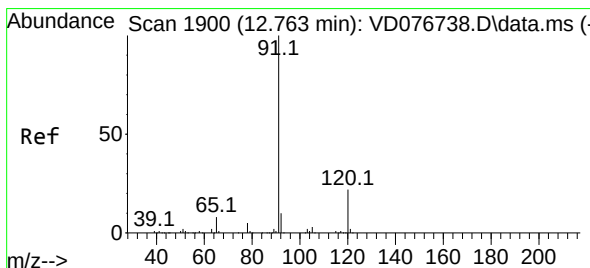
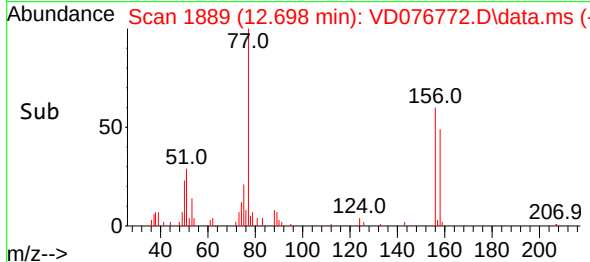
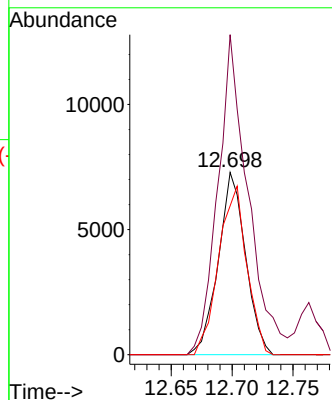
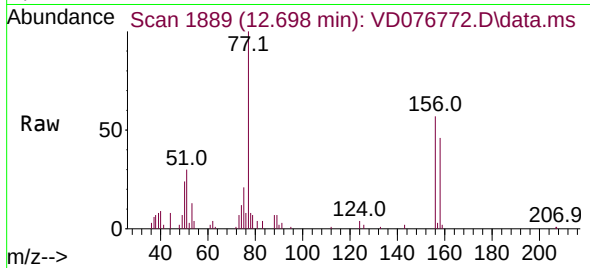
#77
Bromobenzene
Concen: 5.384 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. 0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

Tgt Ion:156 Resp: 11368
Ion Ratio Lower Upper
156 100
77 193.9 76.8 230.4
158 95.4 48.6 145.9

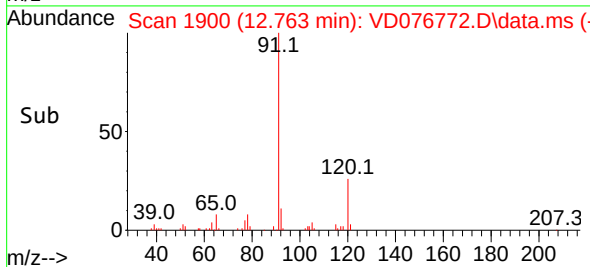
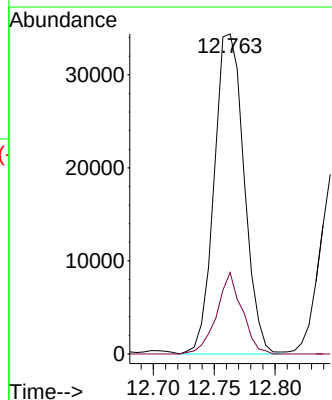
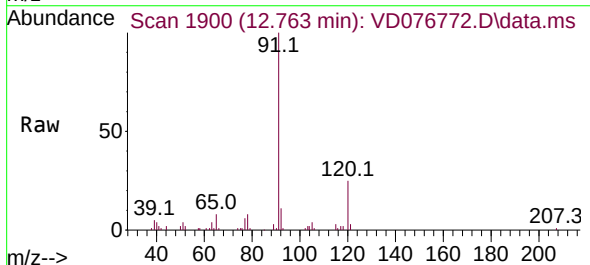
Manual Integrations
APPROVED

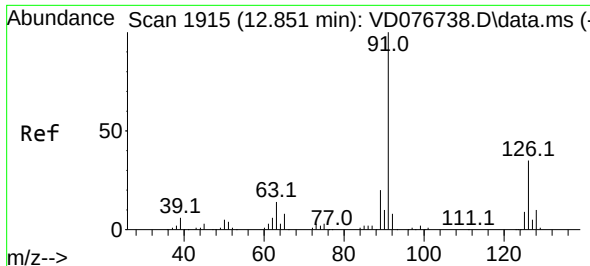
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#78
n-propylbenzene
Concen: 5.300 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion: 91 Resp: 58768
Ion Ratio Lower Upper
91 100
120 21.6 12.4 37.2





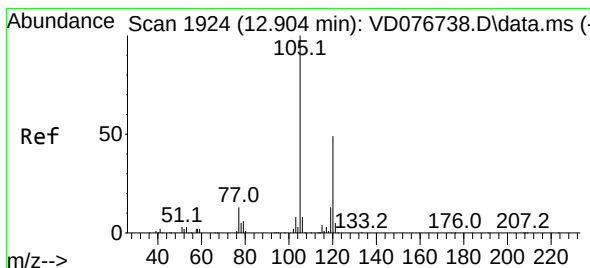
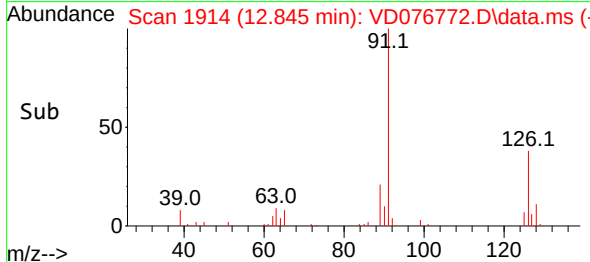
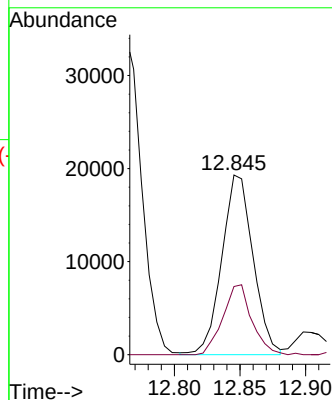
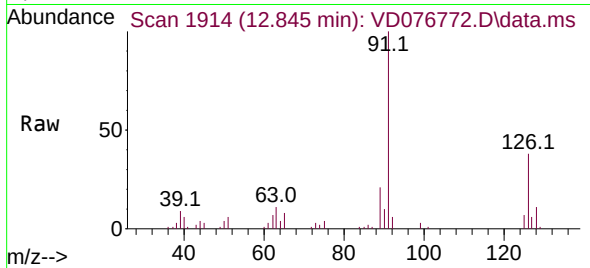
#79
2-Chlorotoluene
Concen: 5.270 ug/l
RT: 12.845 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

Tgt Ion: 91 Resp: 32044
Ion Ratio Lower Upper
91 100
126 36.1 19.4 58.1

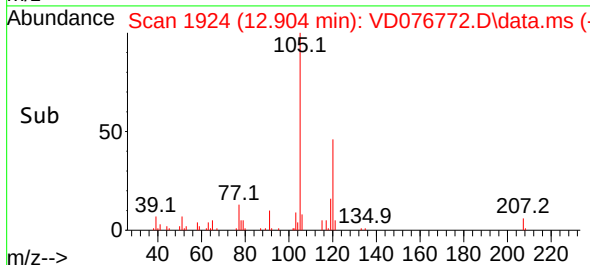
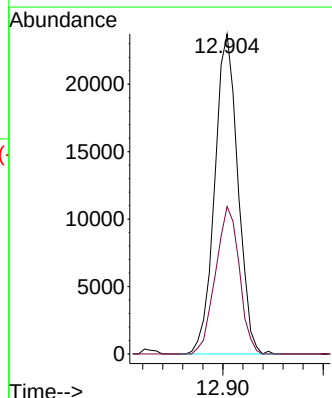
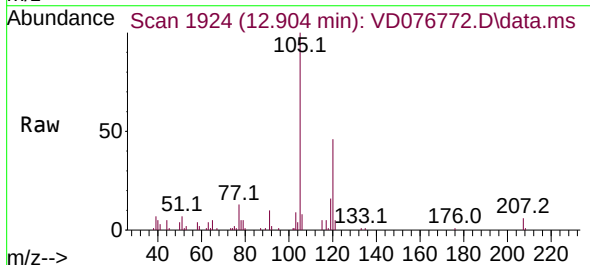
Manual Integrations
APPROVED

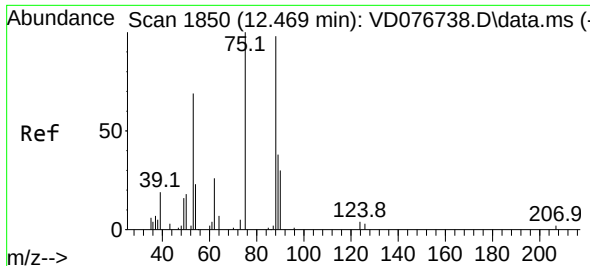
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#80
1,3,5-Trimethylbenzene
Concen: 5.138 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

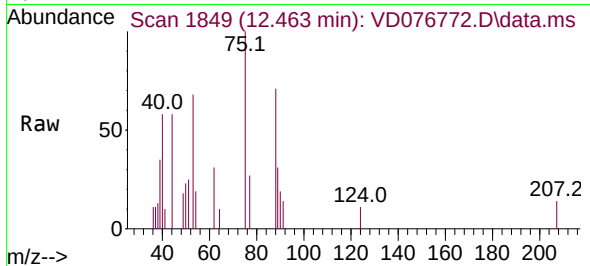
Tgt Ion:105 Resp: 38000
Ion Ratio Lower Upper
105 100
120 47.3 26.4 79.2





#81
trans-1,4-Dichloro-2-butene
Concen: 4.780 ug/l
RT: 12.463 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

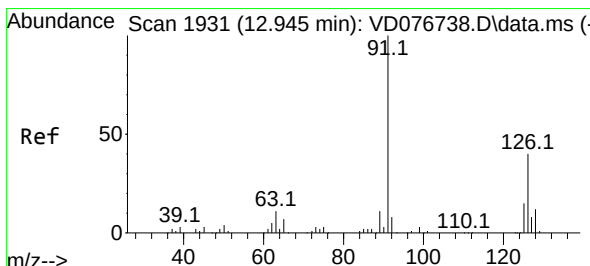
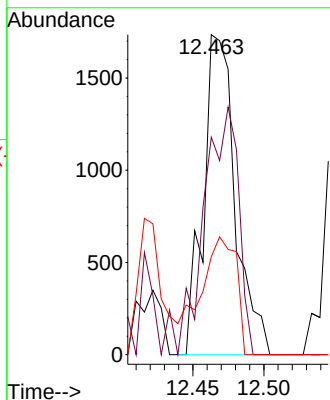
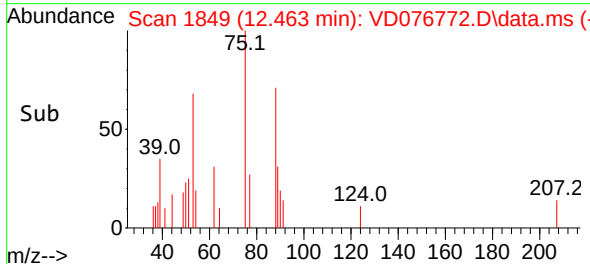
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT3-2023



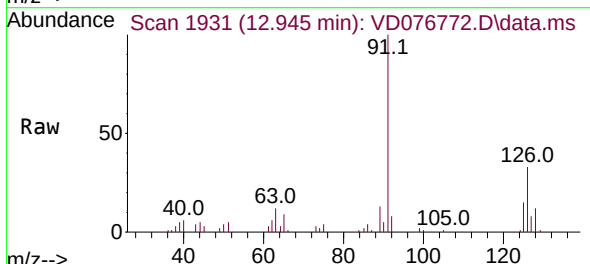
Tgt Ion: 75 Resp: 269
Ion Ratio Lower Upper
75 100
53 83.3 63.0 94.4
89 41.4 37.9 56.9

Manual Integrations
APPROVED

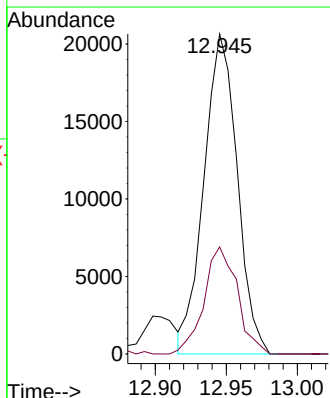
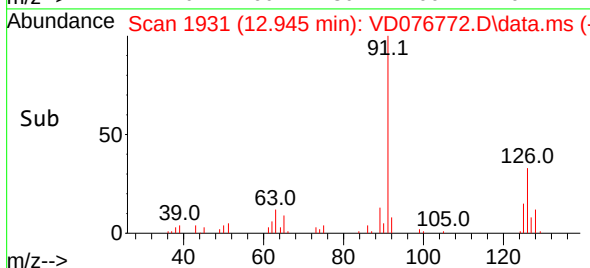
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

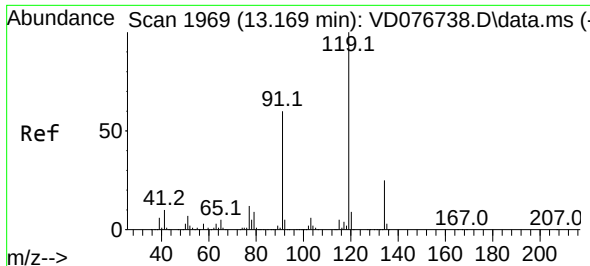


#82
4-Chlorotoluene
Concen: 5.294 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27



Tgt Ion: 91 Resp: 33628
Ion Ratio Lower Upper
91 100
126 33.5 19.4 58.4





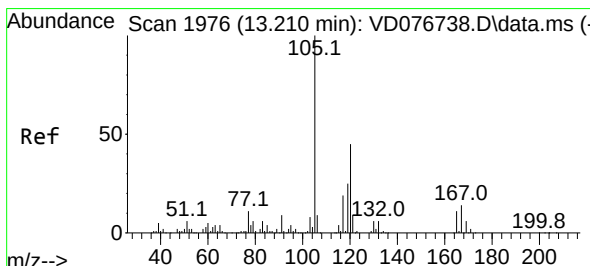
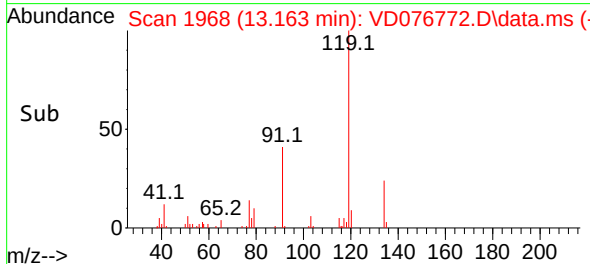
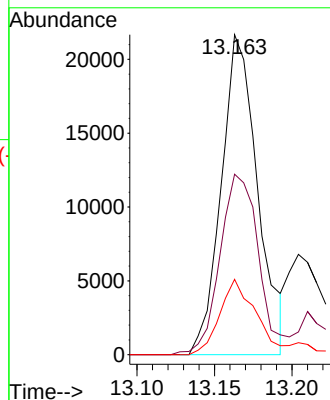
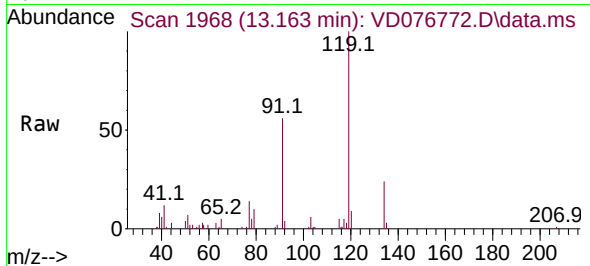
#83
tert-Butylbenzene
Concen: 5.433 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

Tgt Ion:119 Resp: 3538
Ion Ratio Lower Upper
119 100
91 60.3 29.3 87.8
134 23.5 14.1 42.3

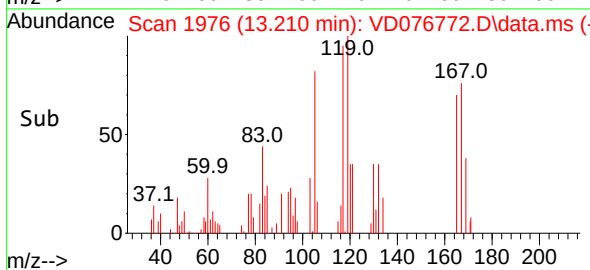
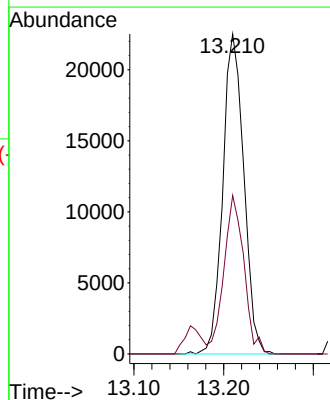
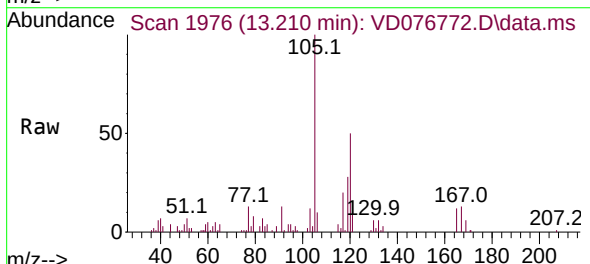
Manual Integrations
APPROVED

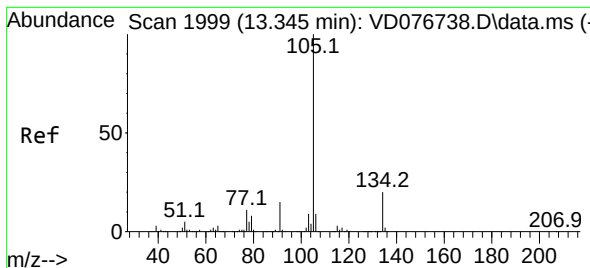
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#84
1,2,4-Trimethylbenzene
Concen: 4.838 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion:105 Resp: 36563
Ion Ratio Lower Upper
105 100
120 47.4 24.3 72.9





#85

sec-Butylbenzene

Concen: 5.226 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

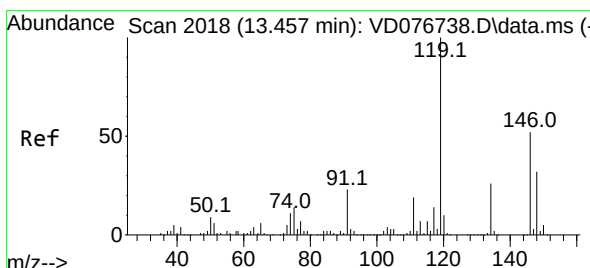
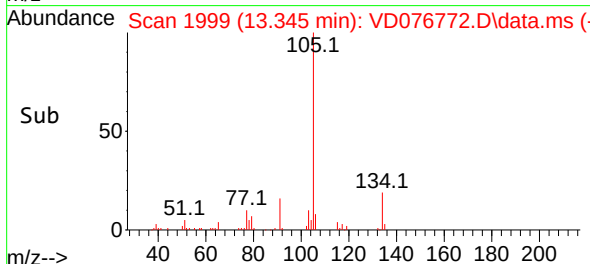
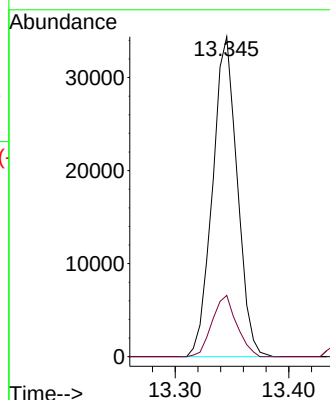
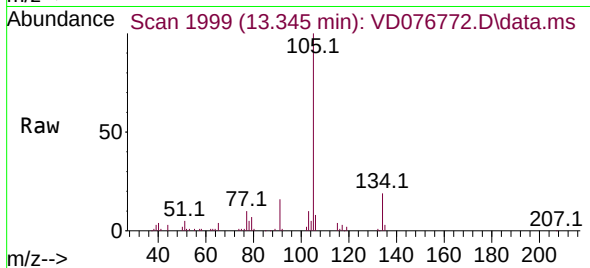
Tgt Ion:105 Resp: 5199
 Ion Ratio Lower Upper
 105 100
 134 19.1 10.9 32.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/19/2023

Supervised By :Mahesh Dadoda 07/19/2023



#86

p-Isopropyltoluene

Concen: 4.848 ug/l

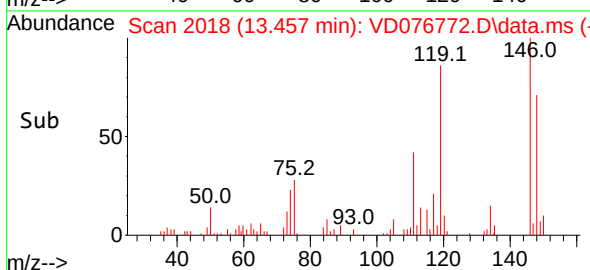
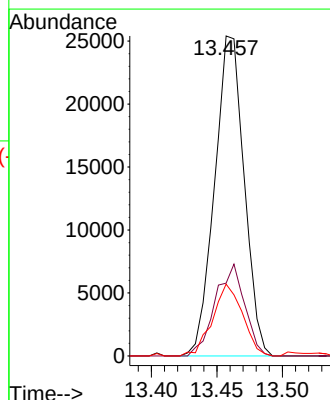
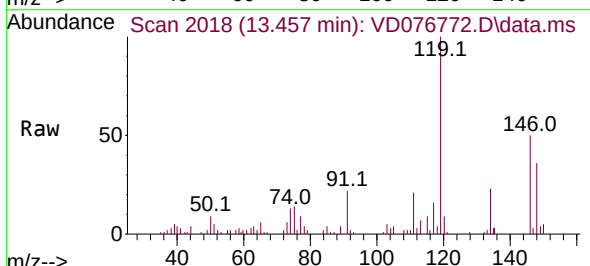
RT: 13.457 min Scan# 2018

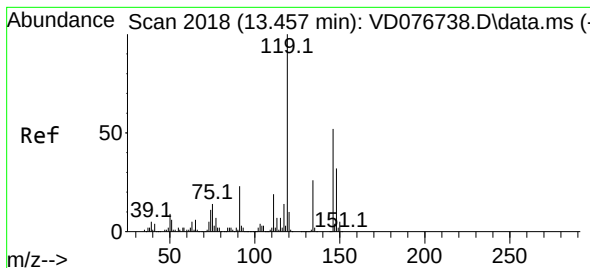
Delta R.T. 0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Tgt Ion:119 Resp: 39836
 Ion Ratio Lower Upper
 119 100
 134 28.6 14.2 42.6
 91 22.8 10.5 31.5





#87

1,3-Dichlorobenzene

Concen: 5.167 ug/l

RT: 13.463 min Scan# 2018

Delta R.T. 0.006 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

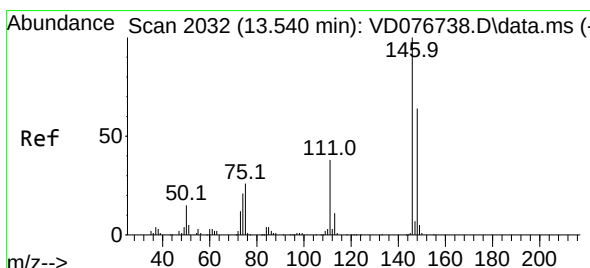
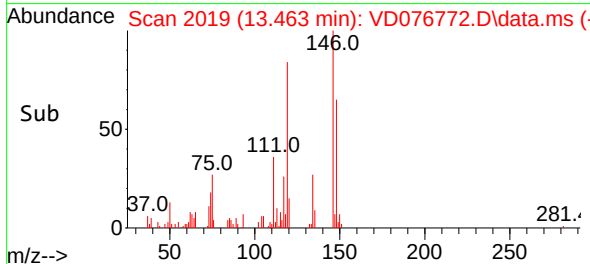
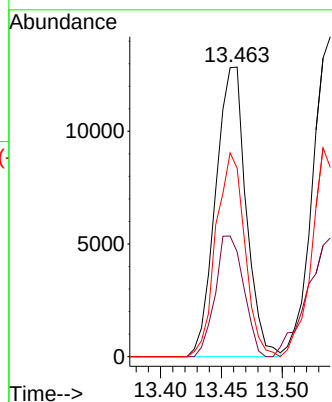
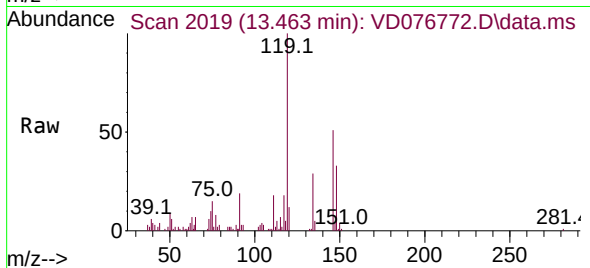
Tgt Ion:	146	Resp:	22440
Ion Ratio	Lower	Upper	
146	100		
111	38.8	17.9	53.8
148	66.3	32.3	96.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/19/2023

Supervised By :Mahesh Dadoda 07/19/2023



#88

1,4-Dichlorobenzene

Concen: 5.631 ug/l

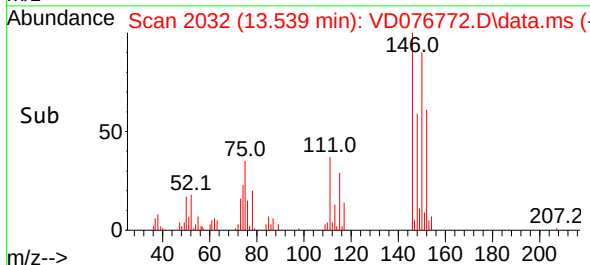
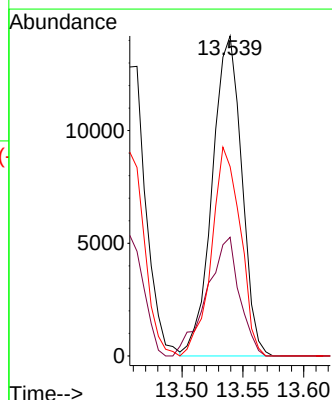
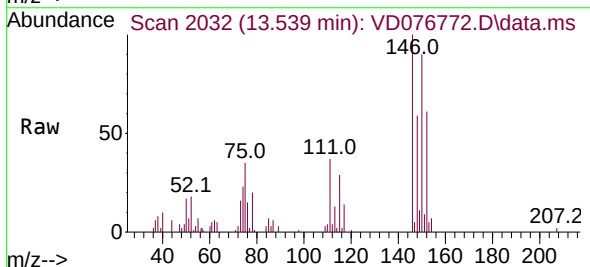
RT: 13.539 min Scan# 2032

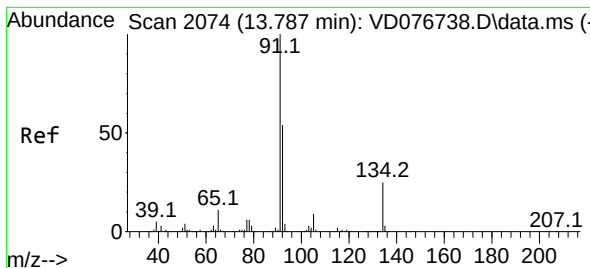
Delta R.T. -0.001 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Tgt Ion:	146	Resp:	23957
Ion Ratio	Lower	Upper	
146	100		
111	40.9	17.4	52.3
148	63.8	31.7	95.1





#89

n-Butylbenzene

Concen: 5.137 ug/l

RT: 13.786 min Scan# 2074

Delta R.T. -0.001 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

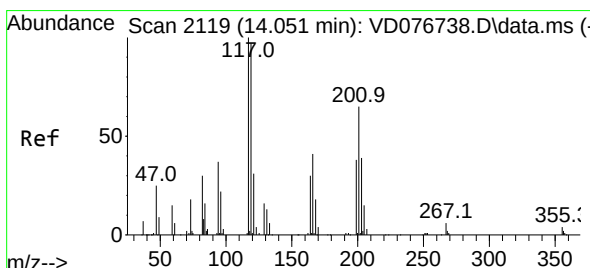
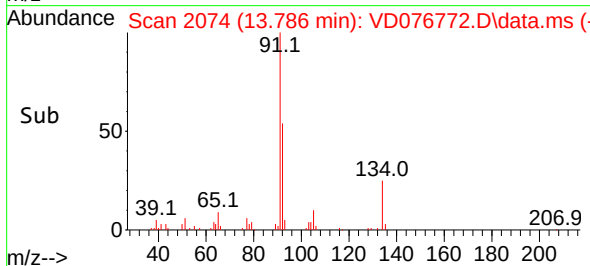
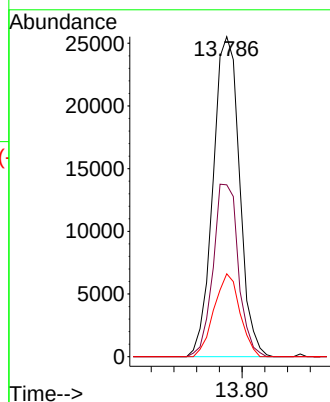
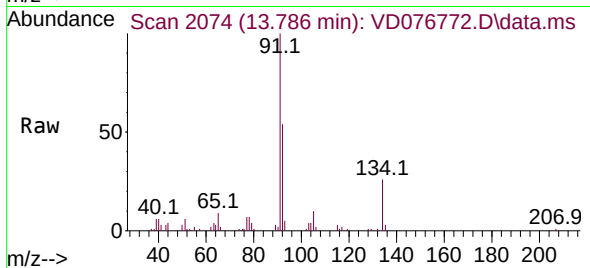
Tgt Ion:	91	Resp:	4130
Ion Ratio	Lower	Upper	
91	100		
92	51.4	26.5	79.5
134	25.3	13.8	41.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/19/2023

Supervised By :Mahesh Dadoda 07/19/2023



#90

Hexachloroethane

Concen: 6.268 ug/l

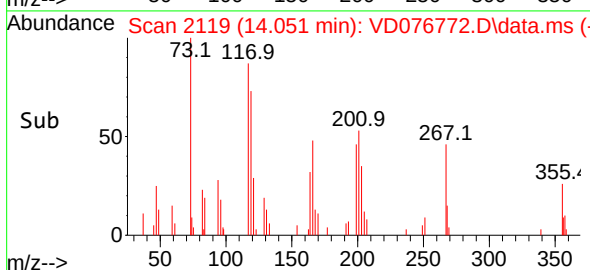
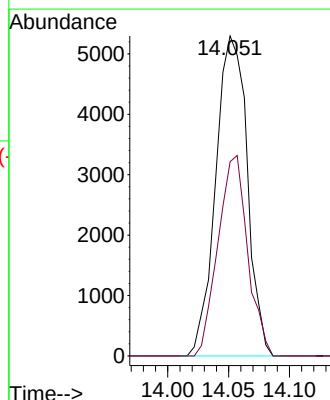
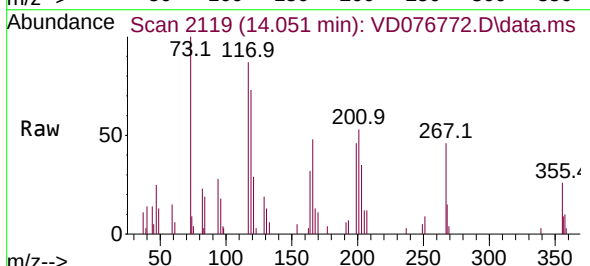
RT: 14.051 min Scan# 2119

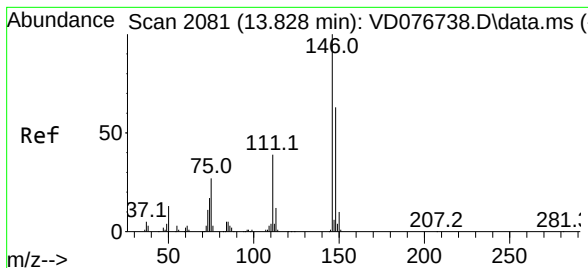
Delta R.T. 0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Tgt Ion:	117	Resp:	9521
Ion Ratio	Lower	Upper	
117	100		
201	59.1	38.5	115.5





#91

1,2-Dichlorobenzene

Concen: 5.316 ug/l

RT: 13.834 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

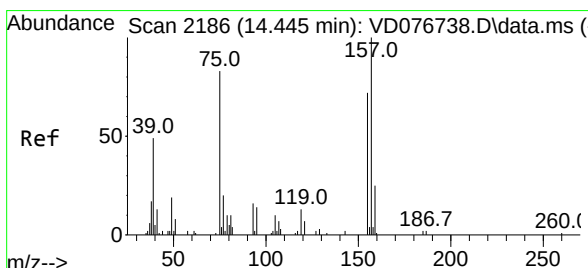
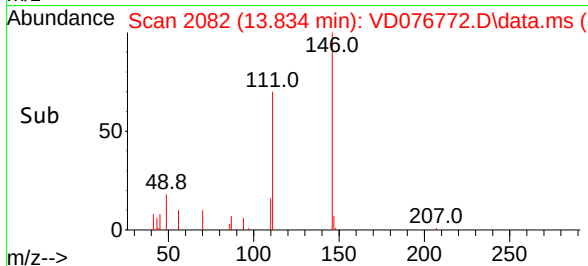
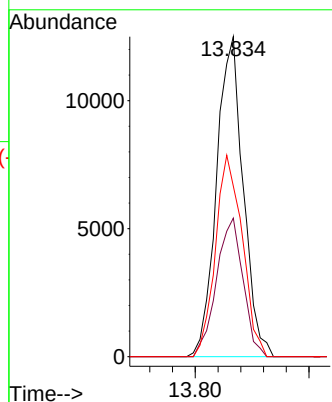
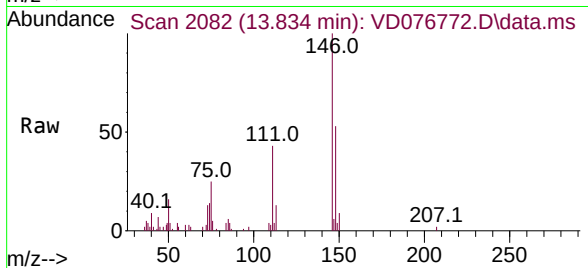
Tgt Ion:	146	Resp:	2034
Ion Ratio	Lower	Upper	
146	100		
111	43.2	18.3	54.8
148	63.4	31.6	94.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/19/2023

Supervised By :Mahesh Dadoda 07/19/2023



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.728 ug/l

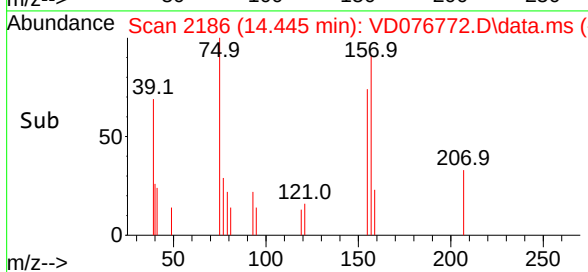
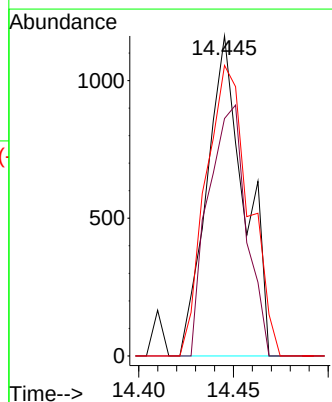
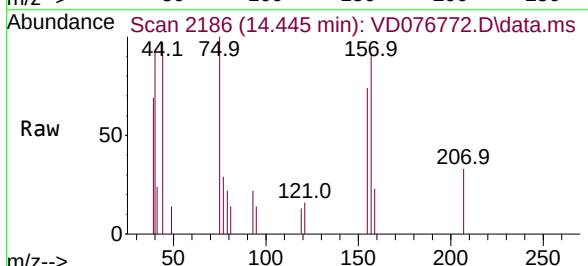
RT: 14.445 min Scan# 2186

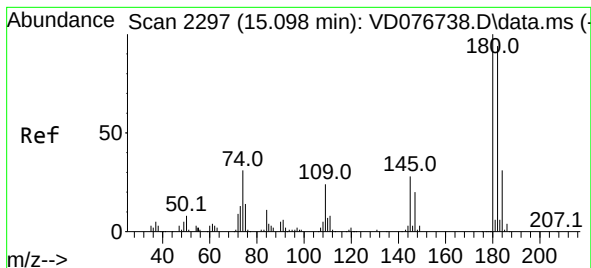
Delta R.T. 0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Tgt Ion:	75	Resp:	1604
Ion Ratio	Lower	Upper	
75	100		
155	79.4	47.9	143.8
157	104.4	59.9	179.7





#93

1,2,4-Trichlorobenzene

Concen: 5.193 ug/l

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

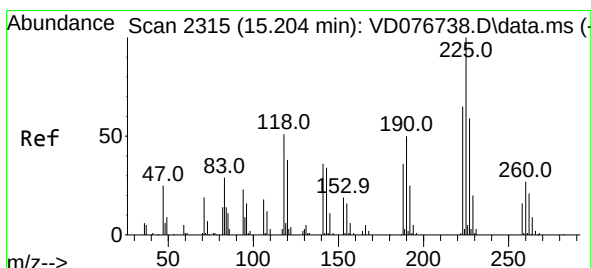
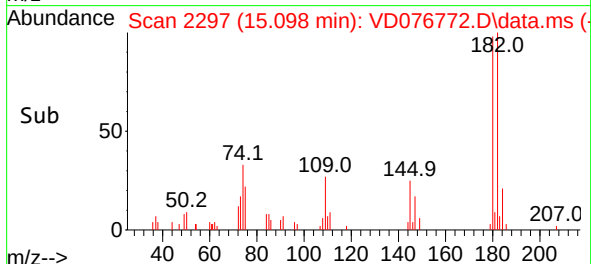
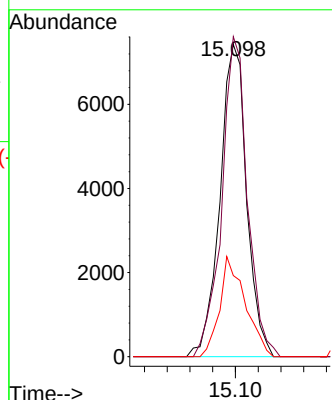
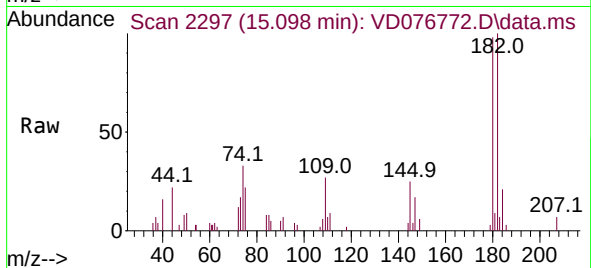
Tgt Ion:180	Resp:	1213
Ion Ratio	Lower	Upper
180	100	
182	98.2	48.5 145.6
145	30.8	14.2 42.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/19/2023

Supervised By :Mahesh Dadoda 07/19/2023



#94

Hexachlorobutadiene

Concen: 5.528 ug/l

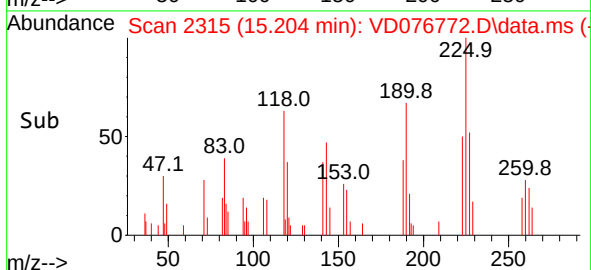
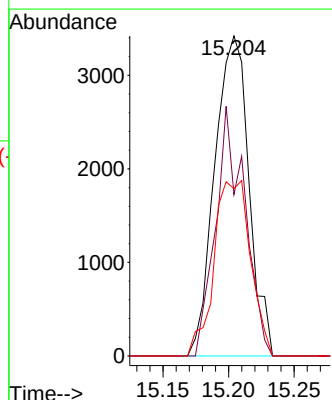
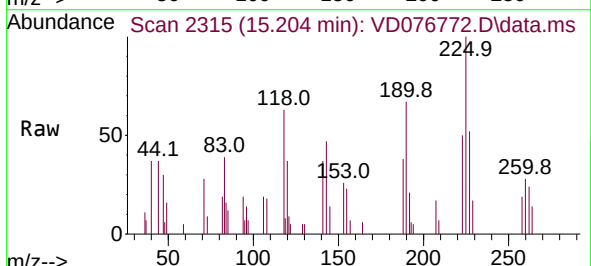
RT: 15.204 min Scan# 2315

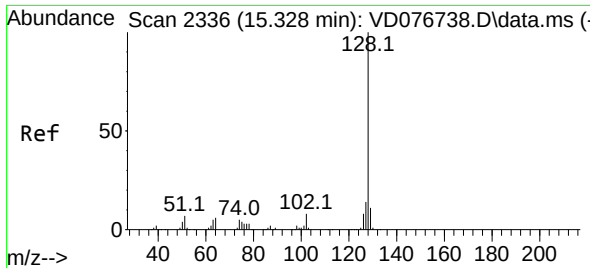
Delta R.T. 0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Tgt Ion:225	Resp:	6211
Ion Ratio	Lower	Upper
225	100	
223	66.1	31.6 94.8
227	58.4	31.7 95.1





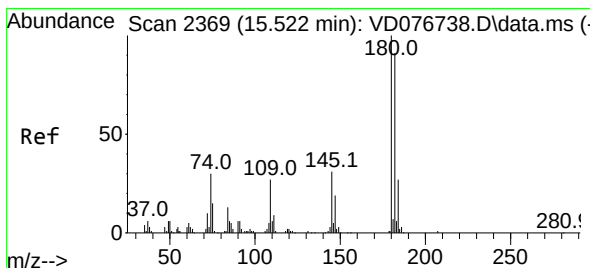
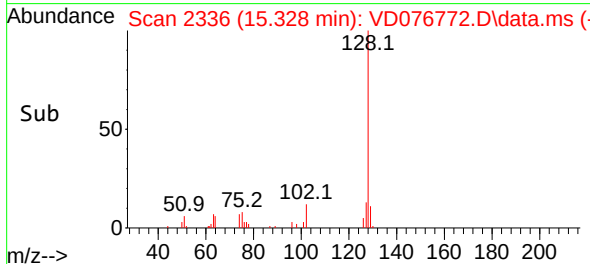
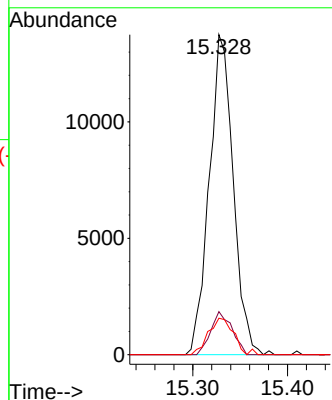
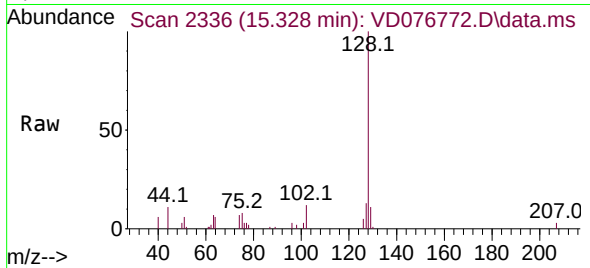
#95
Naphthalene
Concen: 4.785 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT3-2023

Tgt Ion:128 Resp: 24200
Ion Ratio Lower Upper
128 100
127 13.5 10.5 15.7
129 11.4 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#96
1,2,3-Trichlorobenzene
Concen: 5.570 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion:180 Resp: 11676
Ion Ratio Lower Upper
180 100
182 90.7 47.3 141.9
145 29.9 15.1 45.3

