

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071723\
 Data File : VD076750.D
 Acq On : 17 Jul 2023 13:09
 Operator : KP/SY
 Sample : 03572-01 4.0ppb
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023

Quant Time: Jul 18 02:08:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 18 02:08:17 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	199153	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	367300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	331149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	149978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	89931	45.337	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.680%		
35) Dibromofluoromethane	7.804	113	109758	47.553	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.100%		
50) Toluene-d8	10.269	98	373077	45.183	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.360%		
62) 4-Bromofluorobenzene	12.575	95	121888	45.631	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	6522	4.188	ug/l	94
3) Chloromethane	2.146	50	10479	3.901	ug/l	94
4) Vinyl Chloride	2.281	62	13242	3.698	ug/l	98
5) Bromomethane	2.687	94	11980	4.066	ug/l	96
6) Chloroethane	2.828	64	10051	3.717	ug/l	99
7) Trichlorofluoromethane	3.163	101	11997	3.765	ug/l	98
8) Diethyl Ether	3.593	74	3922	3.575	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.969	101	7949	3.795	ug/l	92
10) Methyl Iodide	4.152	142	8095	3.428	ug/l #	86
11) Tert butyl alcohol	5.046	59	3808m	25.726	ug/l	
12) 1,1-Dichloroethene	3.928	96	7229	3.673	ug/l	98
13) Acrolein	3.805	56	2404	23.832	ug/l	93
14) Allyl chloride	4.552	41	9950	3.849	ug/l	94
15) Acrylonitrile	5.257	53	9794	18.176	ug/l	99
16) Acetone	4.022	43	8339	17.603	ug/l	88
17) Carbon Disulfide	4.269	76	17952	3.906	ug/l	97
18) Methyl Acetate	4.563	43	6353	3.569	ug/l	92
19) Methyl tert-butyl Ether	5.322	73	19006	3.601	ug/l	100
20) Methylene Chloride	4.799	84	17684	4.513	ug/l #	88
21) trans-1,2-Dichloroethene	5.305	96	8467	3.701	ug/l	89
22) Diisopropyl ether	6.222	45	21105	3.448	ug/l	93
23) Vinyl Acetate	6.157	43	49836	16.453	ug/l #	92
24) 1,1-Dichloroethane	6.110	63	15414	3.734	ug/l	92
25) 2-Butanone	7.075	43	13308	20.990	ug/l #	82
26) 2,2-Dichloropropane	7.075	77	17572	4.939	ug/l	91
27) cis-1,2-Dichloroethene	7.069	96	11515	4.083	ug/l	92
28) Bromochloromethane	7.416	49	3731	3.616	ug/l #	93
29) Tetrahydrofuran	7.440	42	6501	17.354	ug/l	96
30) Chloroform	7.599	83	17194	3.803	ug/l	86
31) Cyclohexane	7.875	56	13668	4.682	ug/l #	78
32) 1,1,1-Trichloroethane	7.793	97	14205	3.895	ug/l #	83
36) 1,1-Dichloropropene	8.010	75	11342	3.760	ug/l	97
37) Ethyl Acetate	7.175	43	5426m	4.023	ug/l	
38) Carbon Tetrachloride	7.987	117	10163	3.519	ug/l	95
39) Methylcyclohexane	9.269	83	11963	3.435	ug/l	89
40) Benzene	8.251	78	34828	3.660	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.434	41	4362m	5.296	ug/l	
42) 1,2-Dichloroethane	8.328	62	9688	3.918	ug/l	96
43) Isopropyl Acetate	8.363	43	9693	3.682	ug/l #	79
44) Trichloroethene	9.028	130	9751	3.760	ug/l	95
45) 1,2-Dichloropropane	9.304	63	8997	3.662	ug/l	97
46) Dibromomethane	9.393	93	5068	3.525	ug/l	97
47) Bromodichloromethane	9.581	83	13406	3.715	ug/l #	96
48) Methyl methacrylate	9.387	41	4068	3.395	ug/l #	83
49) 1,4-Dioxane	9.387	88	1298	70.456	ug/l #	73
51) 4-Methyl-2-Pentanone	10.157	43	23505	16.771	ug/l	94
52) Toluene	10.334	92	23834	3.813	ug/l	96
53) t-1,3-Dichloropropene	10.557	75	11130	3.323	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	13968	3.539	ug/l	93
55) 1,1,2-Trichloroethane	10.734	97	8200	3.905	ug/l	96
56) Ethyl methacrylate	10.598	69	8211	3.388	ug/l #	86
57) 1,3-Dichloropropane	10.881	76	12466	3.646	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.869	63	15486	16.508	ug/l	90
59) 2-Hexanone	10.922	43	16020	16.019	ug/l	93
60) Dibromochloromethane	11.075	129	8921	3.657	ug/l	95
61) 1,2-Dibromoethane	11.181	107	7216	3.707	ug/l	98
64) Tetrachloroethene	10.810	164	8446	4.473	ug/l	89
65) Chlorobenzene	11.610	112	27077	4.066	ug/l #	89
66) 1,1,1,2-Tetrachloroethane	11.681	131	9252	3.731	ug/l	97
67) Ethyl Benzene	11.681	91	42210	3.609	ug/l	95
68) m/p-Xylenes	11.792	106	32173	7.162	ug/l	97
69) o-Xylene	12.122	106	16245	3.740	ug/l	94
70) Styrene	12.134	104	25918	3.408	ug/l	98
71) Bromoform	12.292	173	5581	4.110	ug/l #	99
73) Isopropylbenzene	12.422	105	38456	3.534	ug/l	99
74) N-amyl acetate	12.234	43	7518	3.280	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	9116	3.902	ug/l	92
76) 1,2,3-Trichloropropane	12.722	75	6505m	4.561	ug/l	
77) Bromobenzene	12.698	156	9507	3.785	ug/l	85
78) n-propylbenzene	12.763	91	48765	3.697	ug/l	94
79) 2-Chlorotoluene	12.845	91	27026	3.736	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	32314	3.673	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	2877	4.293	ug/l	93
82) 4-Chlorotoluene	12.945	91	27786	3.677	ug/l	98
83) tert-Butylbenzene	13.169	119	29432	3.799	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	31281	3.479	ug/l	96
85) sec-Butylbenzene	13.345	105	42304	3.574	ug/l	96
86) p-Isopropyltoluene	13.463	119	33737	3.451	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	20323	3.934	ug/l	95
88) 1,4-Dichlorobenzene	13.539	146	20046	3.961	ug/l	94
89) n-Butylbenzene	13.786	91	35076	3.667	ug/l	94
90) Hexachloroethane	14.051	117	7201	3.985	ug/l	89
91) 1,2-Dichlorobenzene	13.834	146	16997	3.734	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1436	4.311	ug/l	80
93) 1,2,4-Trichlorobenzene	15.098	180	10915	3.928	ug/l	94
94) Hexachlorobutadiene	15.204	225	5438	4.069	ug/l	95
95) Naphthalene	15.328	128	20734	3.446	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	9643	3.867	ug/l	96

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Instrument :
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ClientSampleId :
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Manual Integrations
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed						

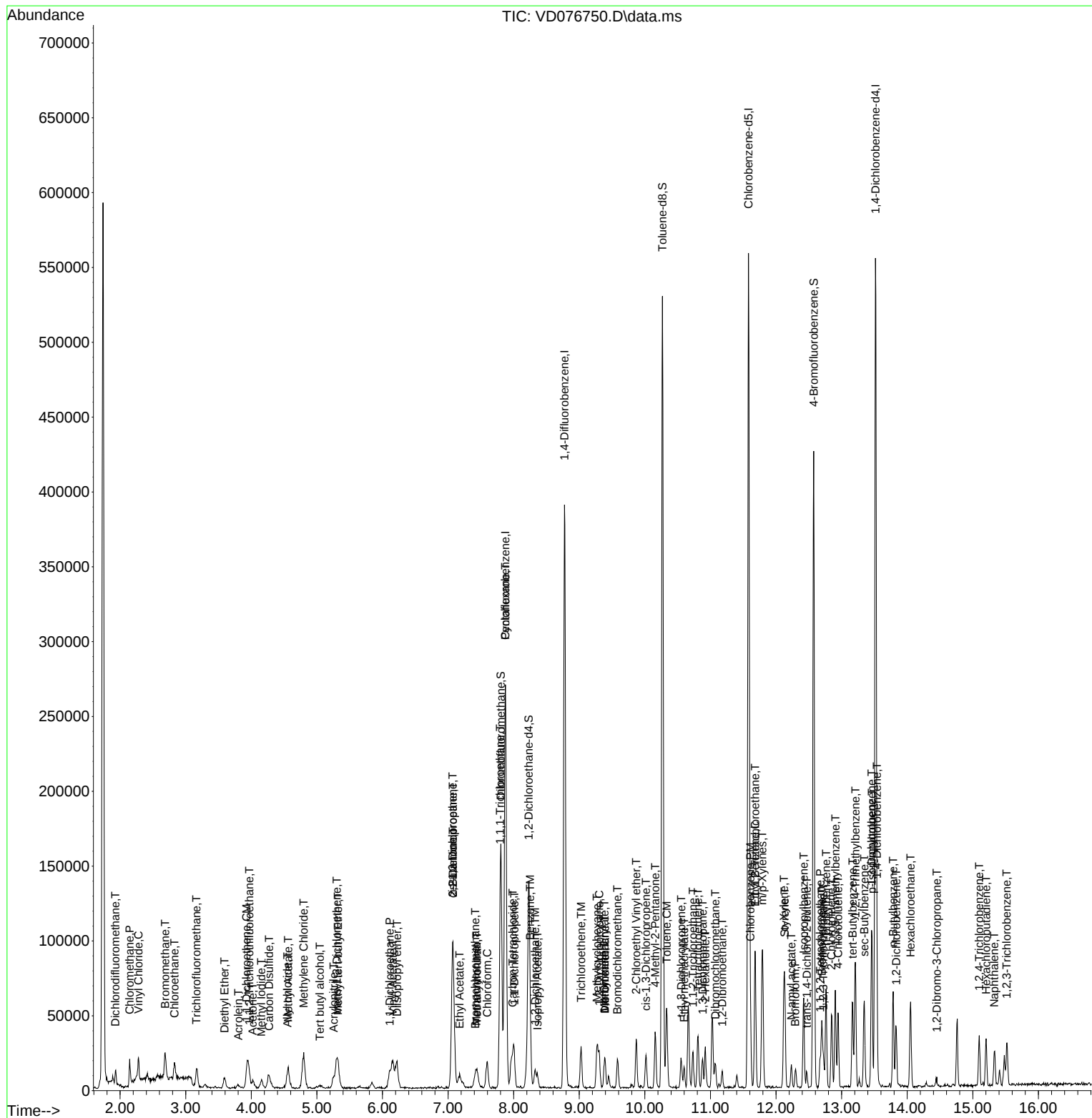
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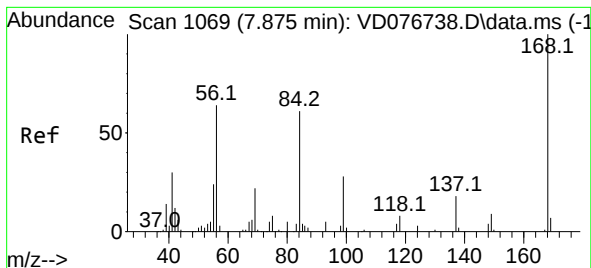
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD076750.D

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LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:168 Resp: 19915

Ion Ratio Lower Upper

168 100

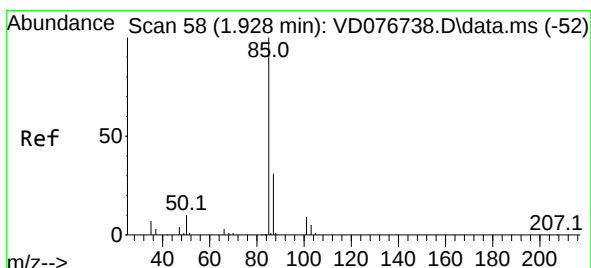
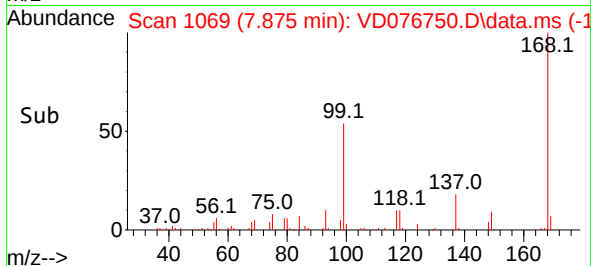
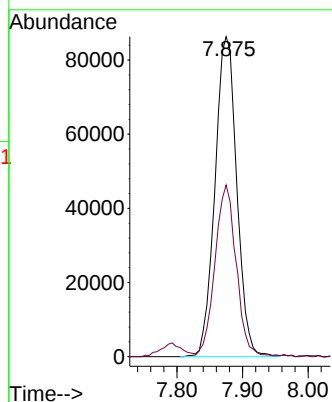
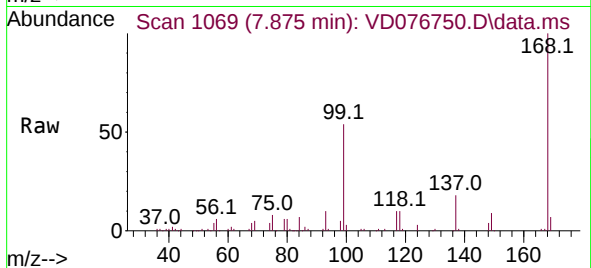
99 53.3 36.7 55.1

Manual Integrations

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Supervised By :Mahesh Dadoda 07/18/2023



#2

Dichlorodifluoromethane

Concen: 4.188 ug/l

RT: 1.928 min Scan# 58

Delta R.T. 0.000 min

Lab File: VD076750.D

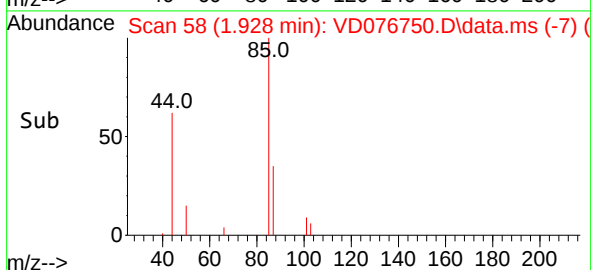
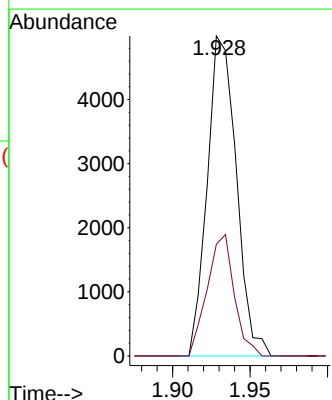
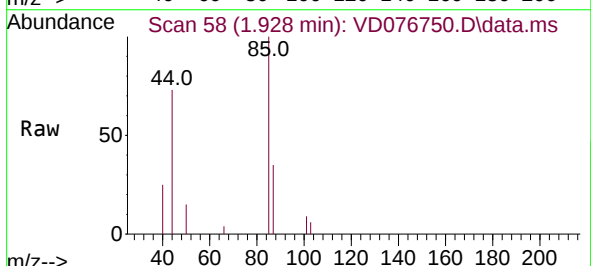
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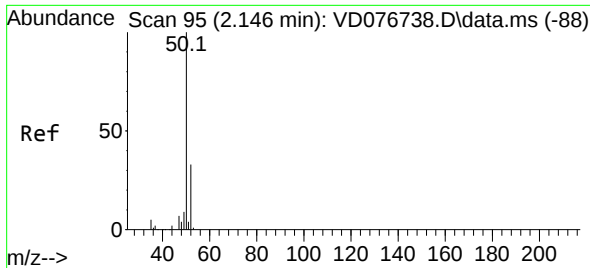
Tgt Ion: 85 Resp: 6522

Ion Ratio Lower Upper

85 100

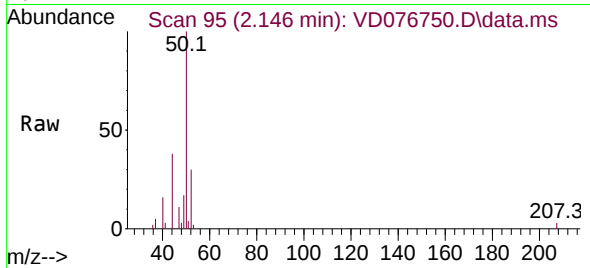
87 34.9 15.7 47.0





#3
Chloromethane
Concen: 3.901 ug/l
RT: 2.146 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

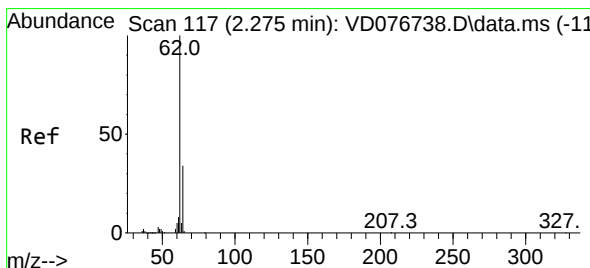
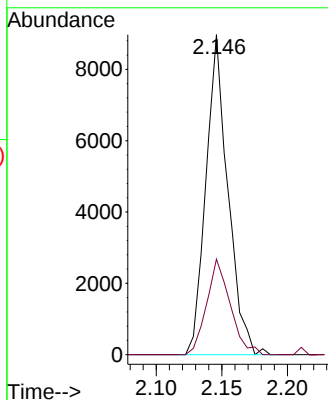
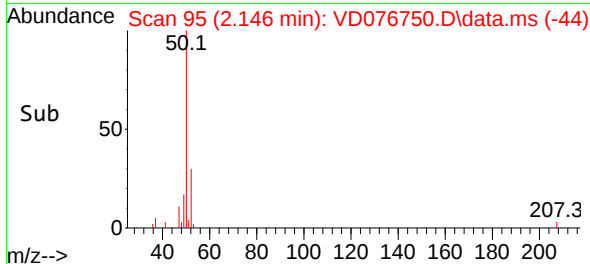
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Tgt Ion: 50 Resp: 10479
Ion Ratio Lower Upper
50 100
52 29.8 26.6 40.0

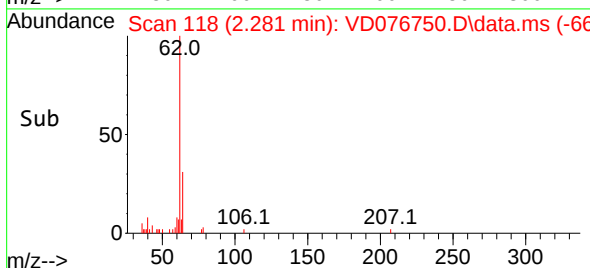
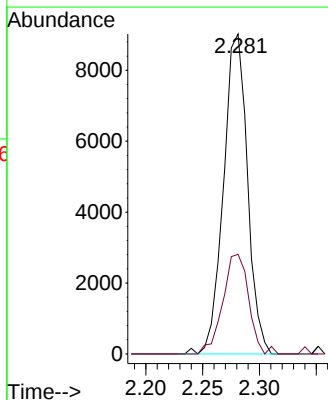
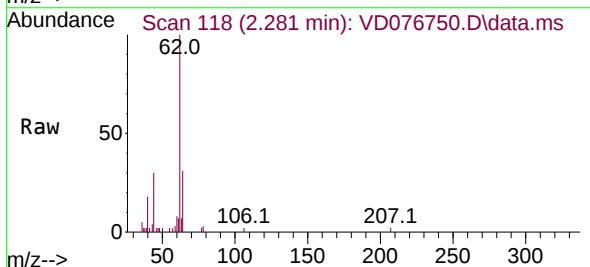
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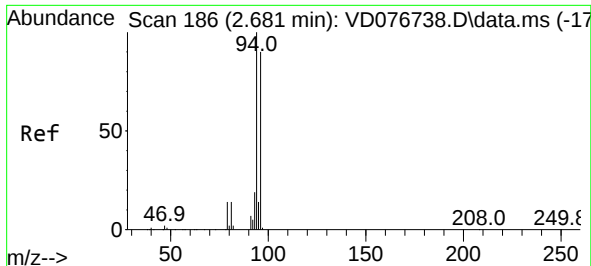
Reviewed By :John Carlone 07/18/2023
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#4
Vinyl Chloride
Concen: 3.698 ug/l
RT: 2.281 min Scan# 118
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

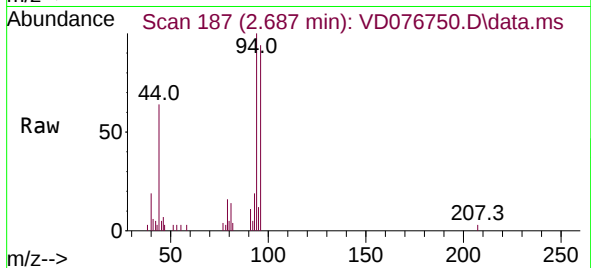
Tgt Ion: 62 Resp: 13242
Ion Ratio Lower Upper
62 100
64 31.2 26.0 39.0





#5
Bromomethane
Concen: 4.066 ug/l
RT: 2.687 min Scan# 11980
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

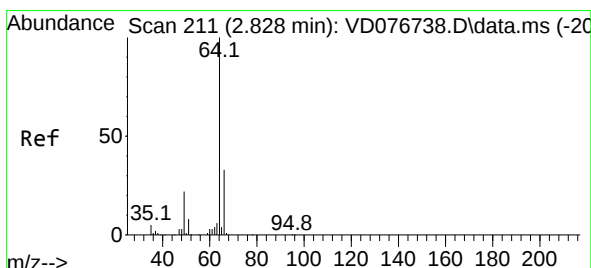
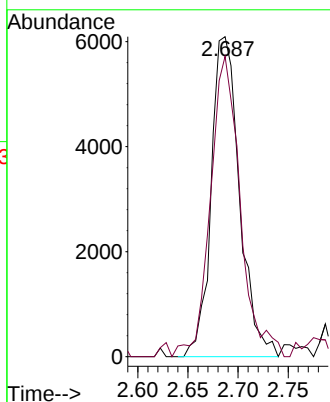
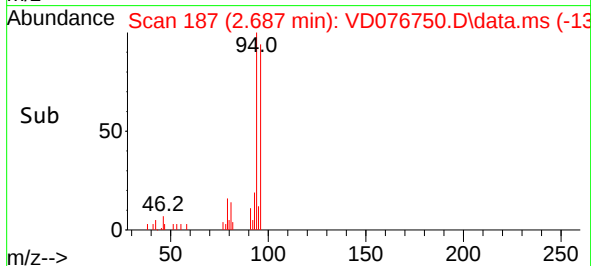
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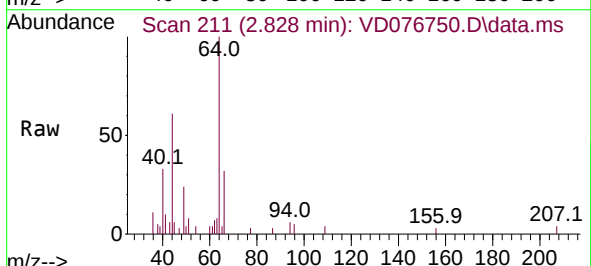
Tgt Ion: 94 Resp: 11980
Ion Ratio Lower Upper
94 100
96 98.8 75.8 113.8

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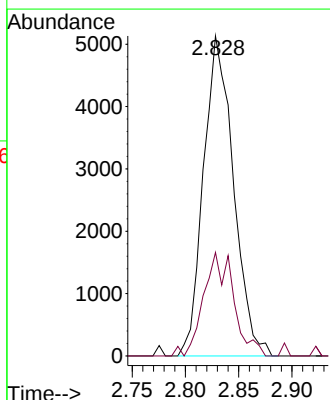
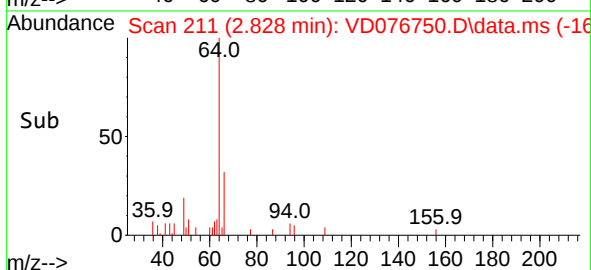
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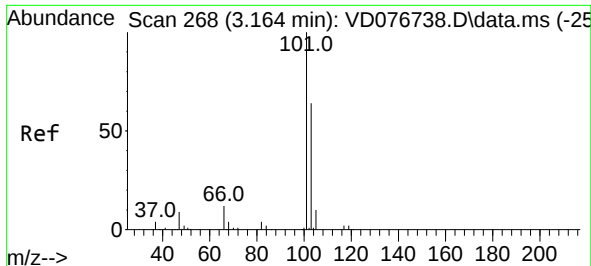


#6
Chloroethane
Concen: 3.717 ug/l
RT: 2.828 min Scan# 211
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09



Tgt Ion: 64 Resp: 10051
Ion Ratio Lower Upper
64 100
66 32.4 25.5 38.3





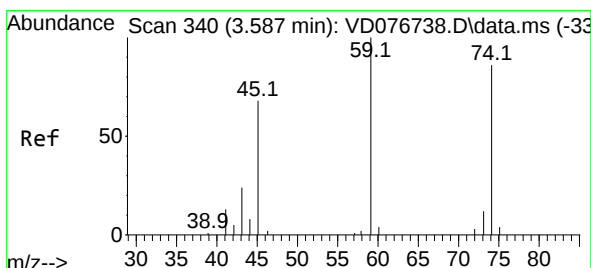
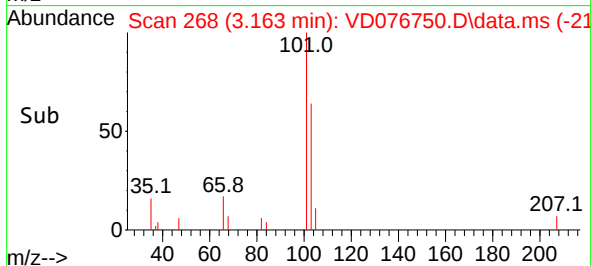
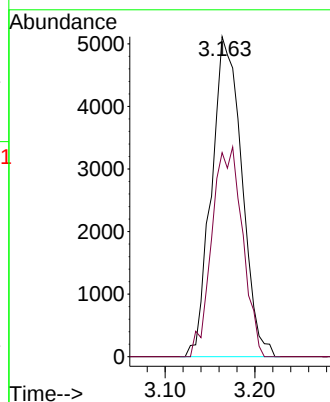
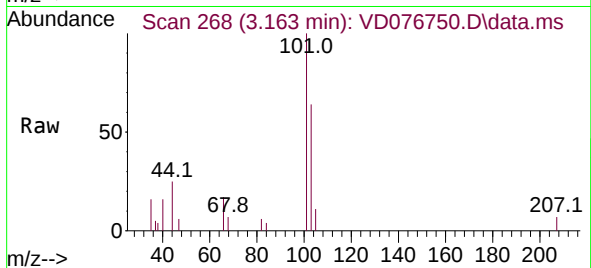
#7
Trichlorofluoromethane
Concen: 3.765 ug/l
RT: 3.163 min Scan# 201
Delta R.T. -0.001 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

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ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:101 Resp: 1199
Ion Ratio Lower Upper
101 100
103 63.7 52.3 78.5

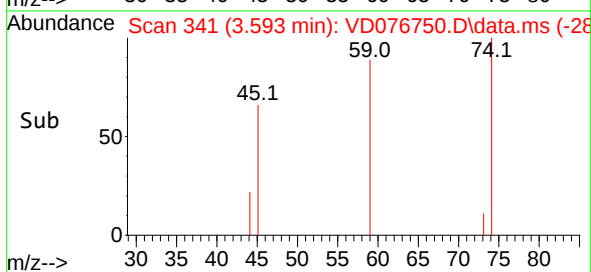
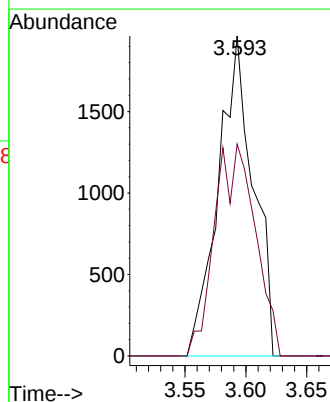
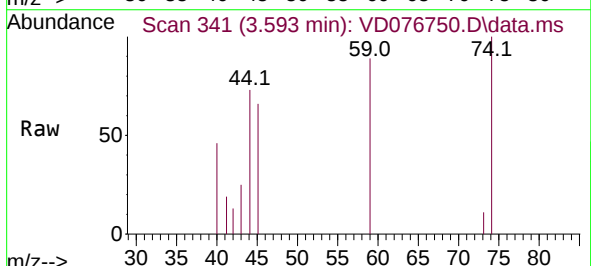
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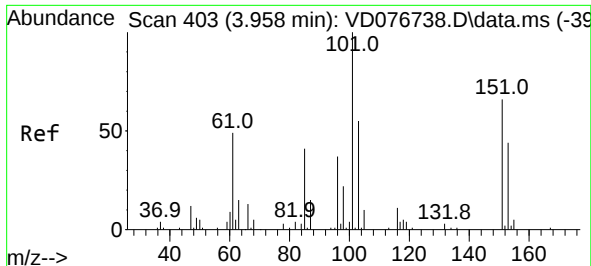
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#8
Diethyl Ether
Concen: 3.575 ug/l
RT: 3.593 min Scan# 341
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 74 Resp: 3922
Ion Ratio Lower Upper
74 100
45 77.3 37.5 112.7





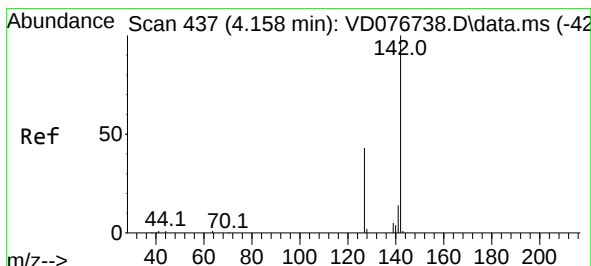
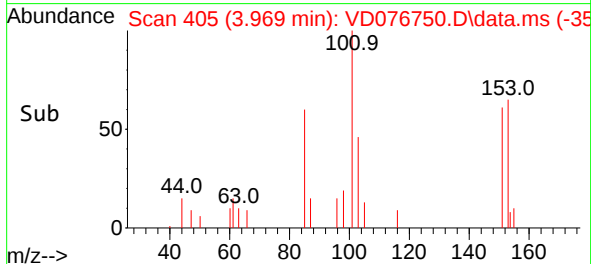
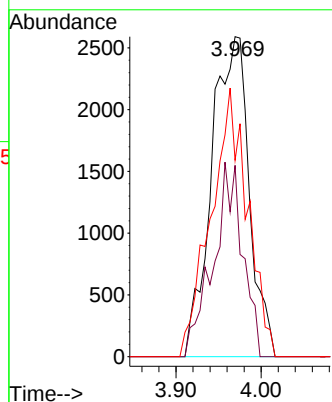
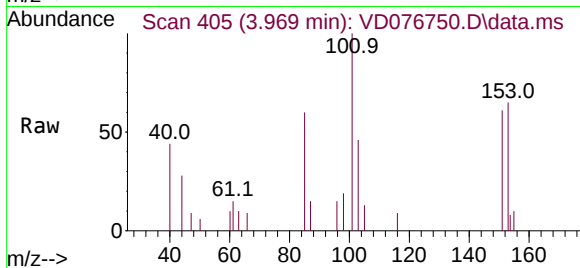
#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.795 ug/l
RT: 3.969 min Scan# 403
Delta R.T. 0.011 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:101 Resp: 7949
Ion Ratio Lower Upper
101 100
85 47.3 33.8 50.6
151 81.4 59.8 89.6

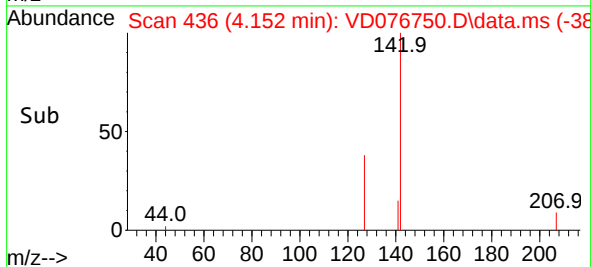
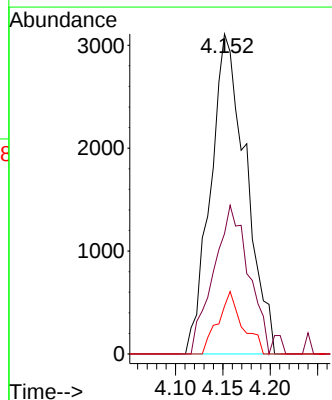
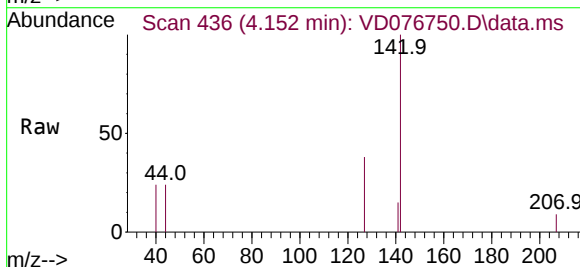
Manual Integrations
APPROVED

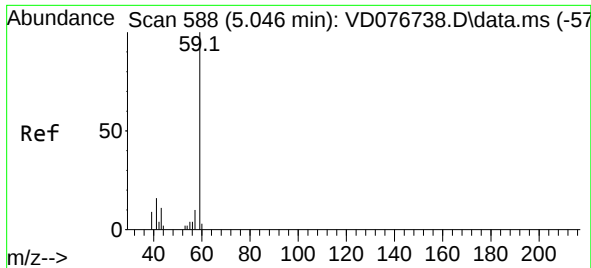
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#10
Methyl Iodide
Concen: 3.428 ug/l
RT: 4.152 min Scan# 436
Delta R.T. -0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

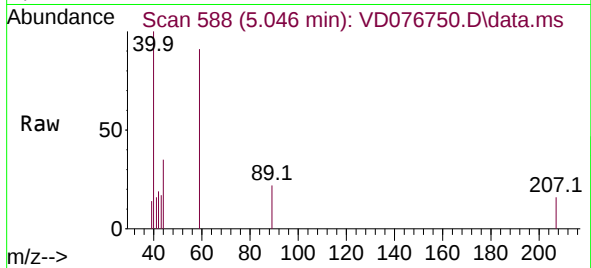
Tgt Ion:142 Resp: 8095
Ion Ratio Lower Upper
142 100
127 47.6 29.4 44.0#
141 13.5 11.1 16.7





#11
Tert butyl alcohol
Concen: 25.726 ug/l m
RT: 5.046 min Scan# 588
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

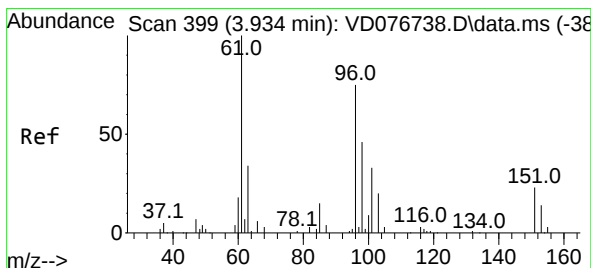
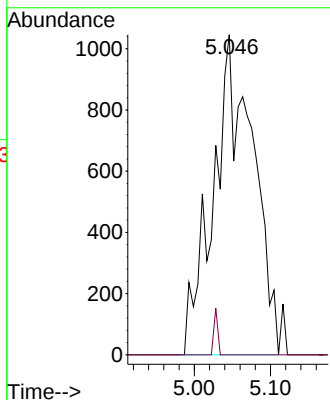
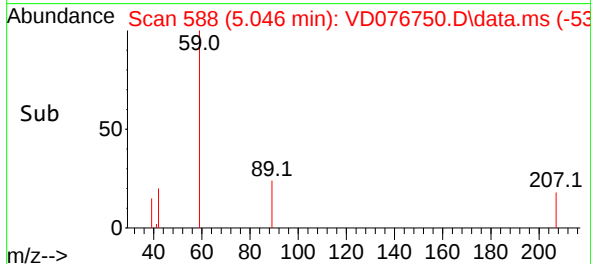
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



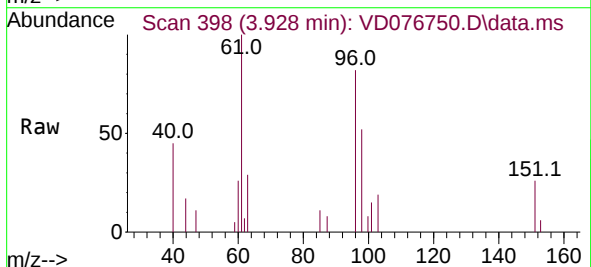
Tgt Ion: 59 Resp: 3808
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8

Manual Integrations
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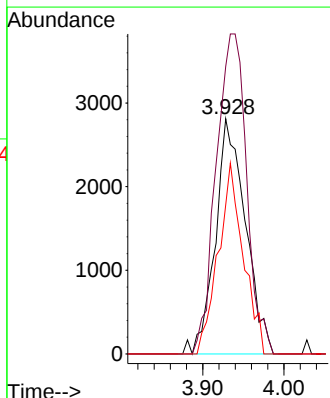
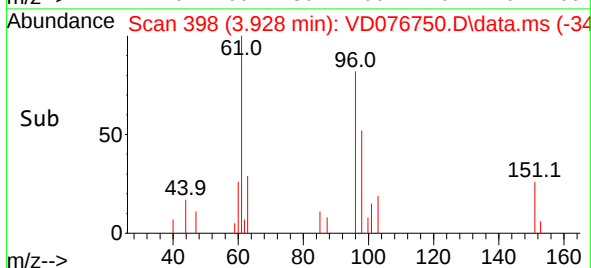
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

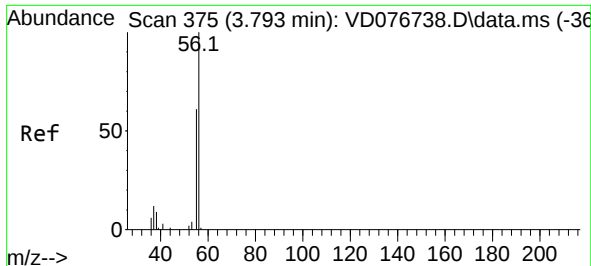


#12
1,1-Dichloroethene
Concen: 3.673 ug/l
RT: 3.928 min Scan# 398
Delta R.T. -0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09



Tgt Ion: 96 Resp: 7229
Ion Ratio Lower Upper
96 100
61 122.2 100.6 150.8
98 63.4 50.2 75.2





#13

Acrolein

Concen: 23.832 ug/l

RT: 3.805 min Scan# 31

Delta R.T. 0.012 min

Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 56 Resp: 240

Ion Ratio Lower Upper

56 100

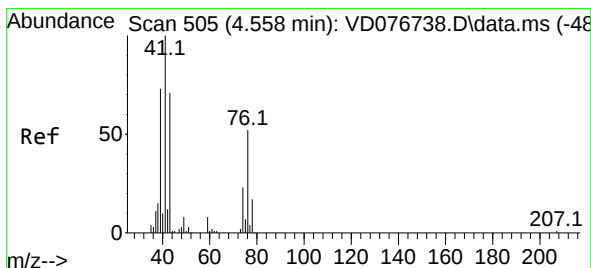
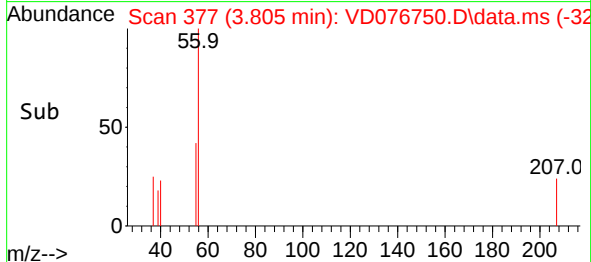
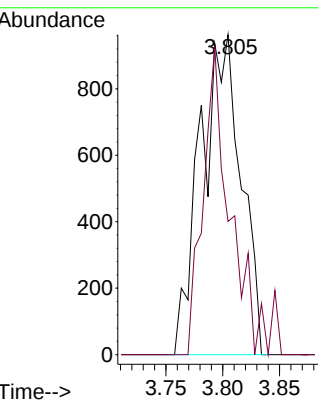
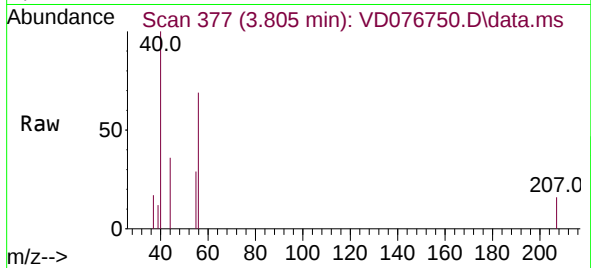
55 63.1 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#14

Allyl chloride

Concen: 3.849 ug/l

RT: 4.552 min Scan# 504

Delta R.T. -0.006 min

Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

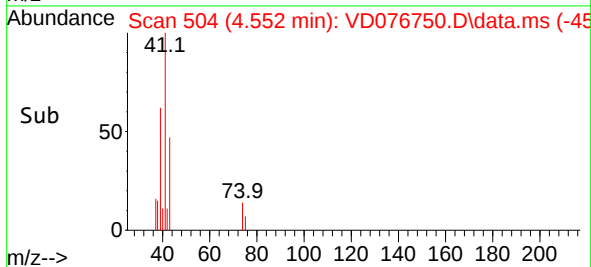
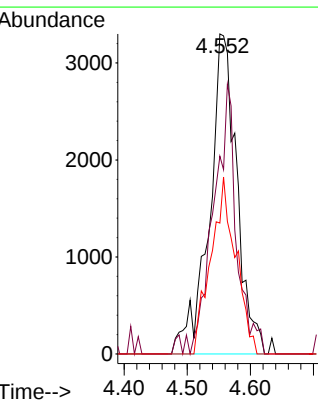
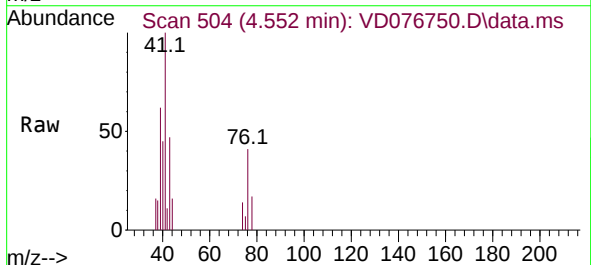
Tgt Ion: 41 Resp: 9950

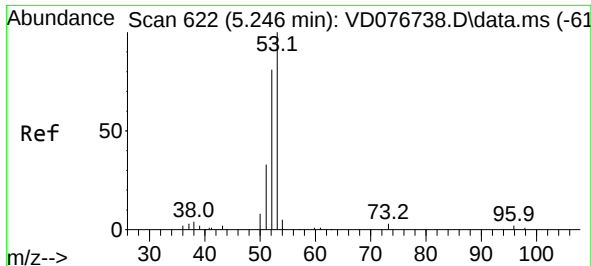
Ion Ratio Lower Upper

41 100

39 70.2 53.8 80.6

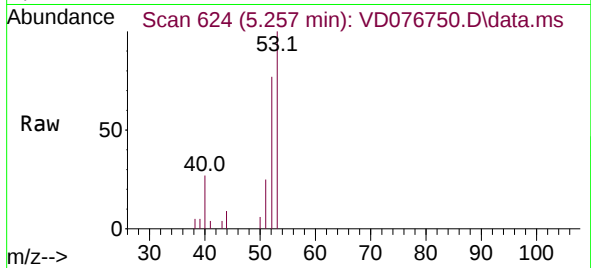
76 50.1 45.8 68.8





#15
Acrylonitrile
Concen: 18.176 ug/l
RT: 5.257 min Scan# 61
Delta R.T. 0.011 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

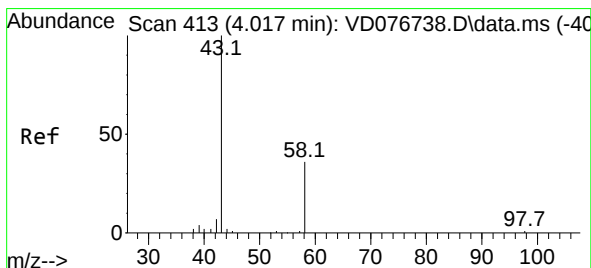
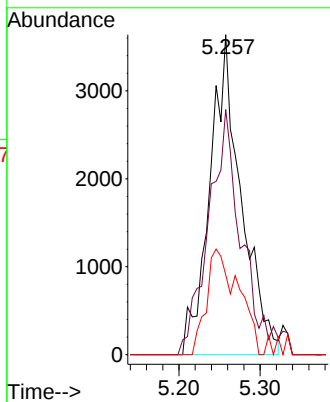
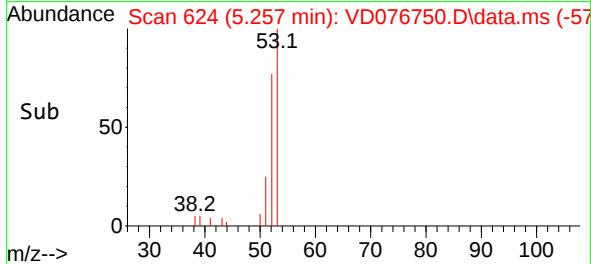
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 53 Resp: 9794
Ion Ratio Lower Upper
53 100
52 81.7 65.0 97.4
51 33.6 28.3 42.5

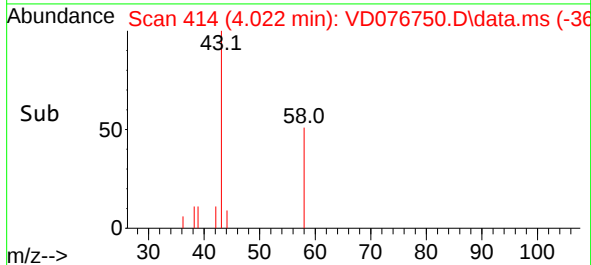
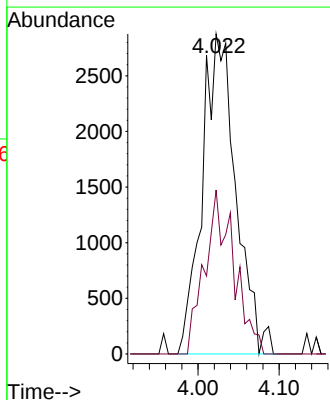
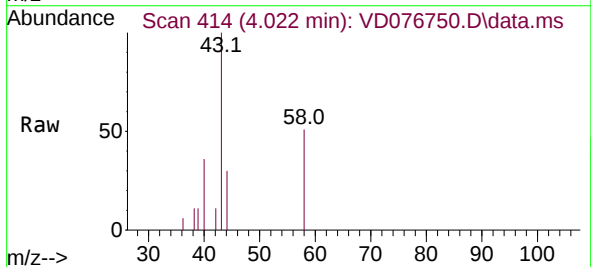
Manual Integrations
APPROVED

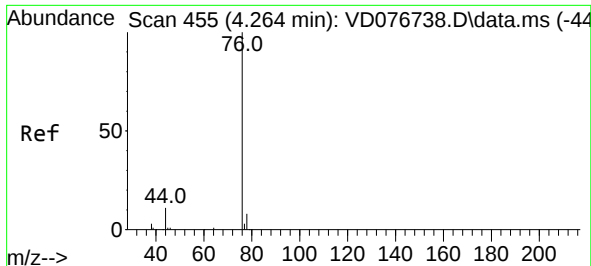
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#16
Acetone
Concen: 17.603 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

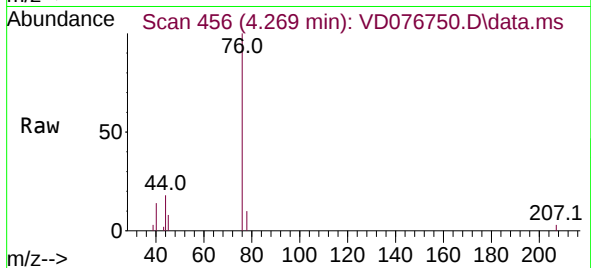
Tgt Ion: 43 Resp: 8339
Ion Ratio Lower Upper
43 100
58 51.3 34.7 52.1





#17
Carbon Disulfide
Concen: 3.906 ug/l
RT: 4.269 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

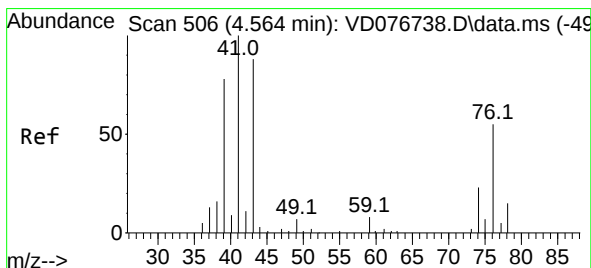
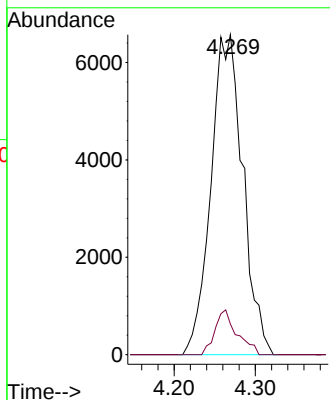
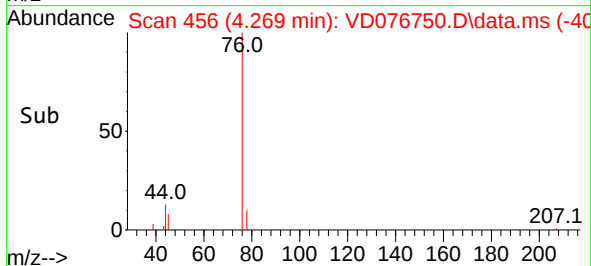
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 76 Resp: 17952
Ion Ratio Lower Upper
76 100
78 9.6 6.8 10.2

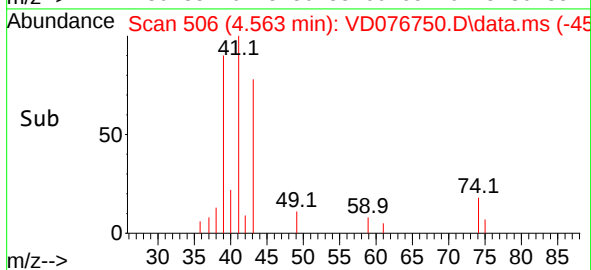
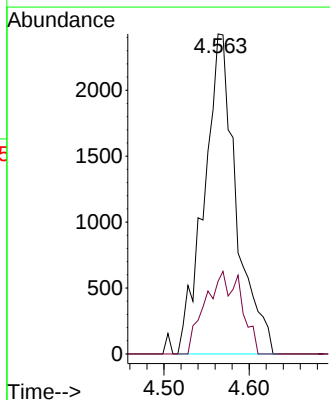
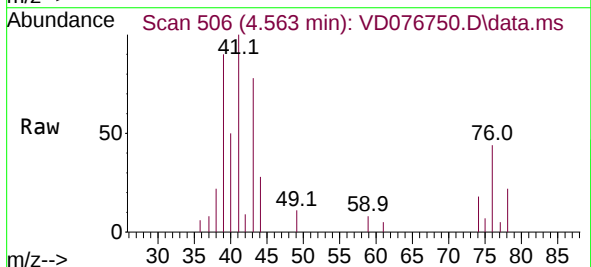
Manual Integrations
APPROVED

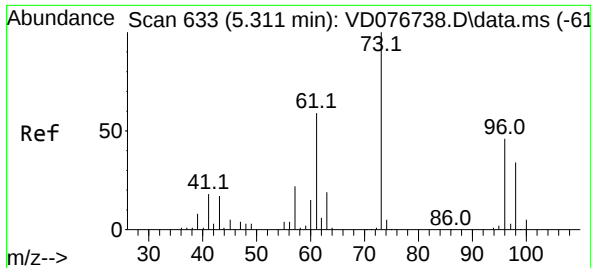
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#18
Methyl Acetate
Concen: 3.569 ug/l
RT: 4.563 min Scan# 506
Delta R.T. -0.001 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 43 Resp: 6353
Ion Ratio Lower Upper
43 100
74 28.6 26.4 39.6





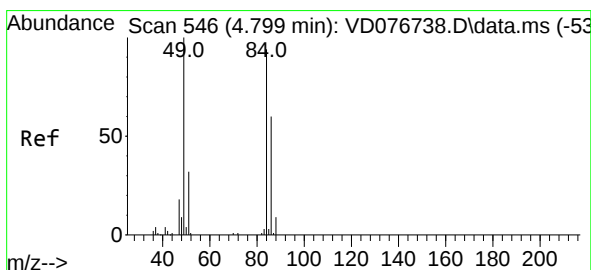
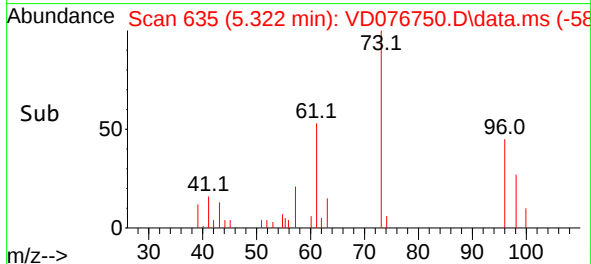
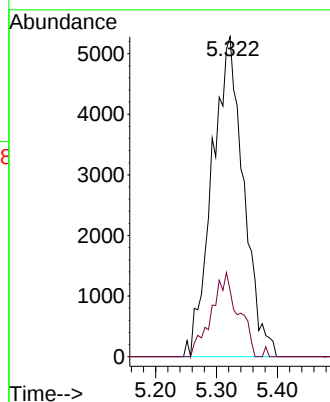
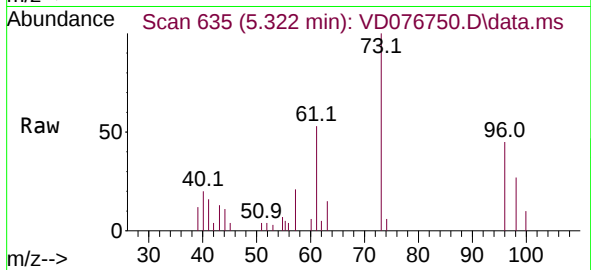
#19
Methyl tert-butyl Ether
Concen: 3.601 ug/l
RT: 5.322 min Scan# 61
Delta R.T. 0.011 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 73 Resp: 19000
Ion Ratio Lower Upper
73 100
57 20.6 16.6 25.0

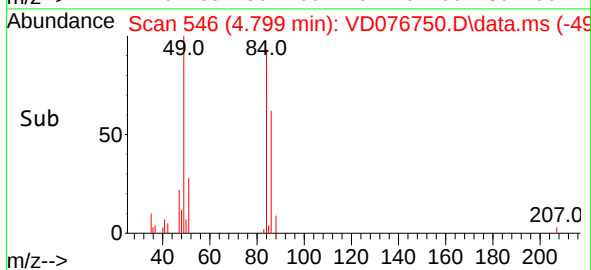
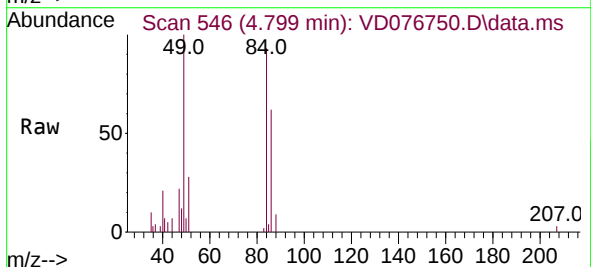
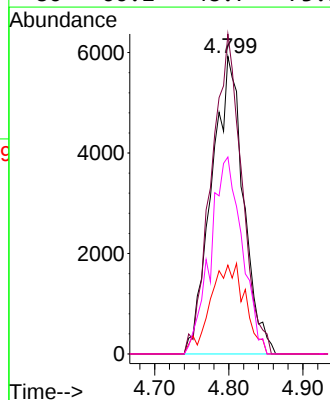
Manual Integrations
APPROVED

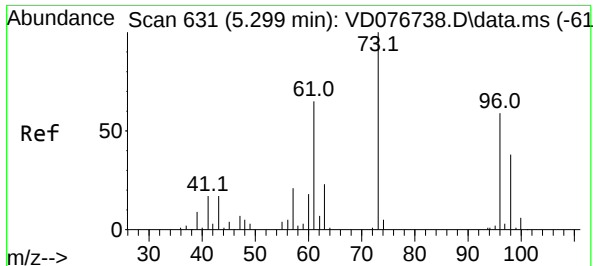
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#20
Methylene Chloride
Concen: 4.513 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

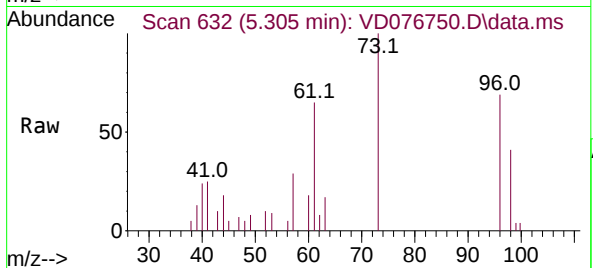
Tgt Ion: 84 Resp: 17684
Ion Ratio Lower Upper
84 100
49 107.5 71.4 107.2#
51 29.8 24.5 36.7
86 66.2 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 3.701 ug/l
RT: 5.305 min Scan# 611
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

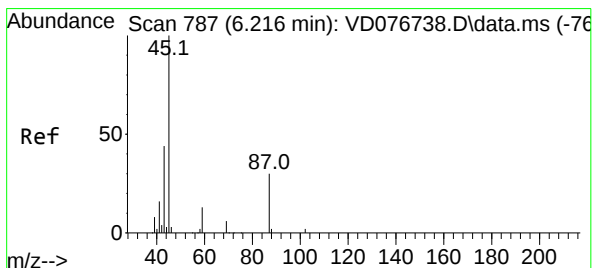
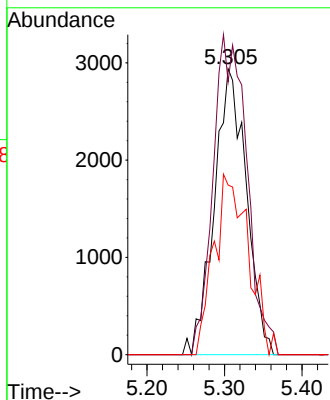
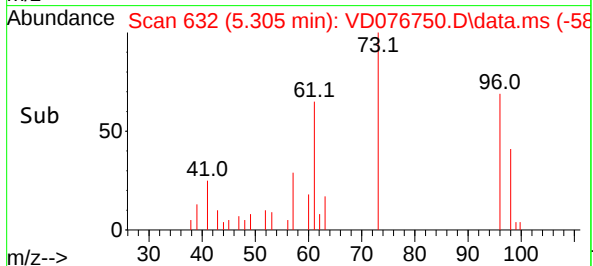
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 96 Resp: 846
Ion Ratio Lower Upper
96 100
61 95.4 89.3 133.9
98 59.3 48.6 73.0

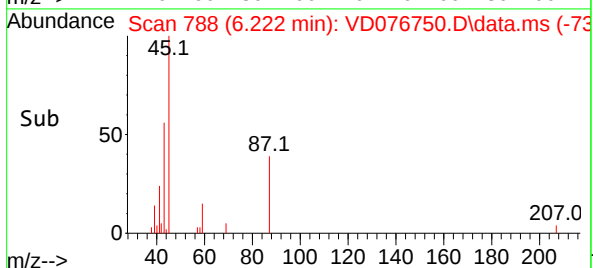
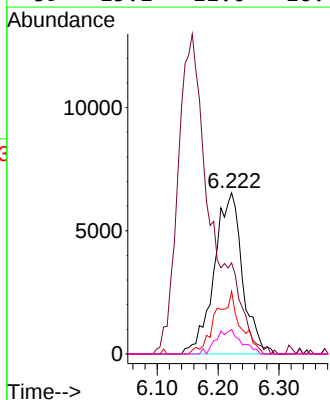
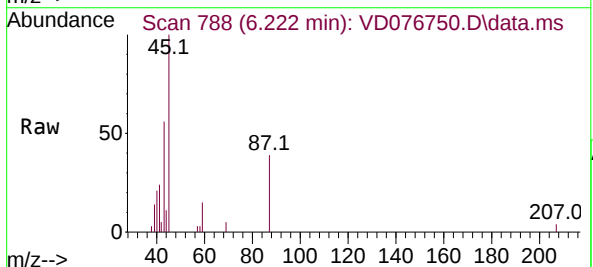
Manual Integrations
APPROVED

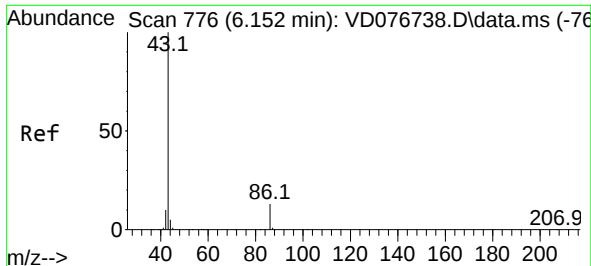
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#22
Diisopropyl ether
Concen: 3.448 ug/l
RT: 6.222 min Scan# 788
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

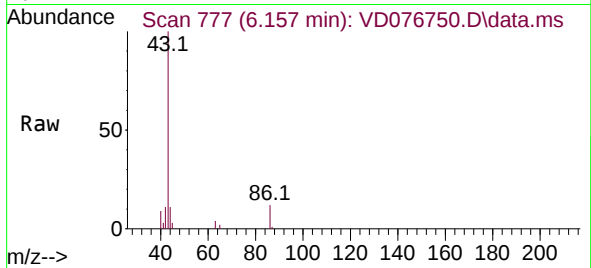
Tgt Ion: 45 Resp: 21105
Ion Ratio Lower Upper
45 100
43 56.4 40.0 60.0
87 38.8 28.2 42.4
59 15.1 11.0 16.4





#23
 Vinyl Acetate
 Concen: 16.453 ug/l
 RT: 6.157 min Scan# 777
 Delta R.T. 0.005 min
 Lab File: VD076750.D
 Acq: 17 Jul 2023 13:09

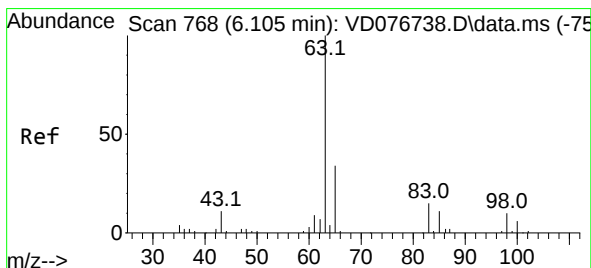
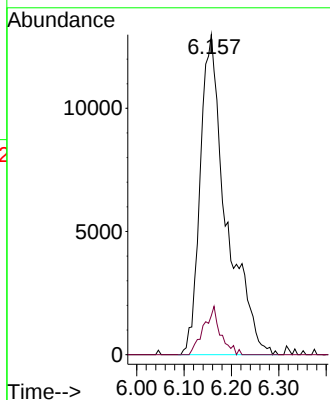
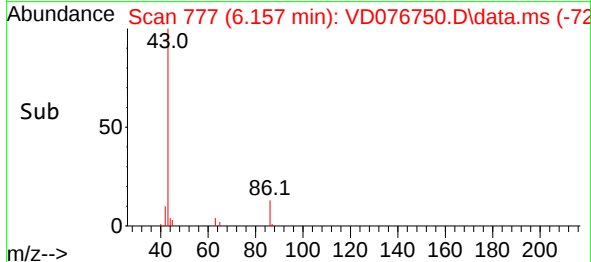
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023



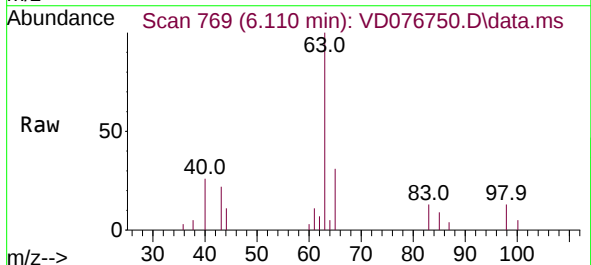
Tgt Ion: 43 Resp: 49830
 Ion Ratio Lower Upper
 43 100
 86 12.2 12.5 18.7

Manual Integrations
 APPROVED

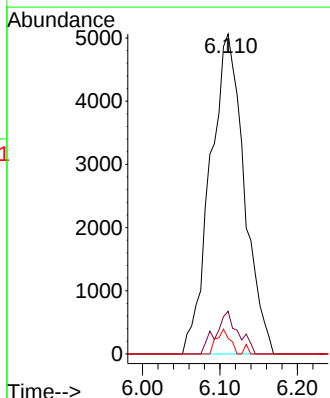
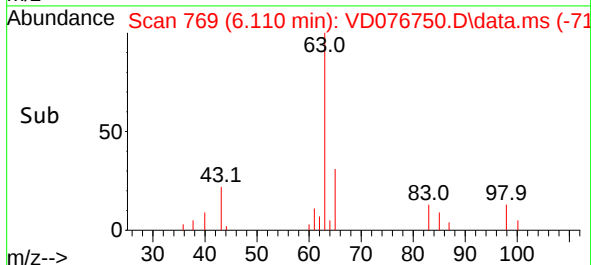
Reviewed By :John Carlone 07/18/2023
 Supervised By :Mahesh Dadoda 07/18/2023

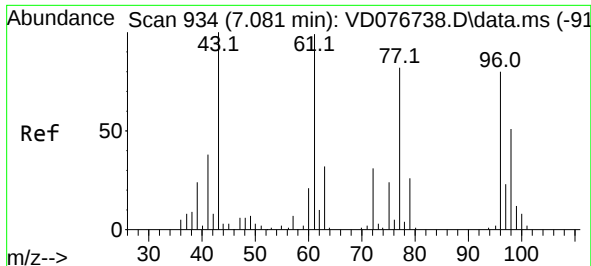


#24
 1,1-Dichloroethane
 Concen: 3.734 ug/l
 RT: 6.110 min Scan# 769
 Delta R.T. 0.005 min
 Lab File: VD076750.D
 Acq: 17 Jul 2023 13:09



Tgt Ion: 63 Resp: 15414
 Ion Ratio Lower Upper
 63 100
 98 13.4 4.5 13.7
 100 4.9 2.5 7.5





#25

2-Butanone

Concen: 20.990 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 43 Resp: 13308

Ion Ratio Lower Upper

43 100

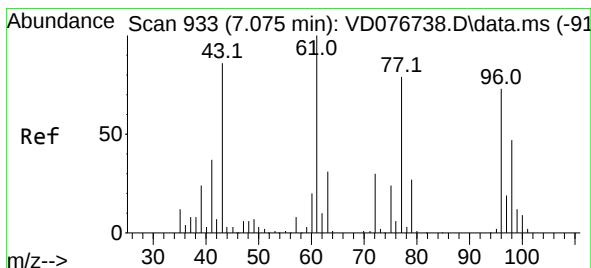
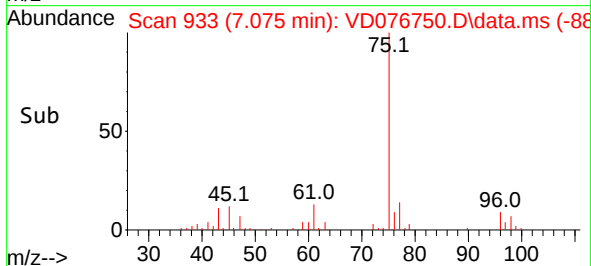
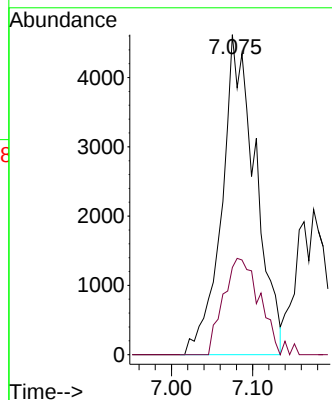
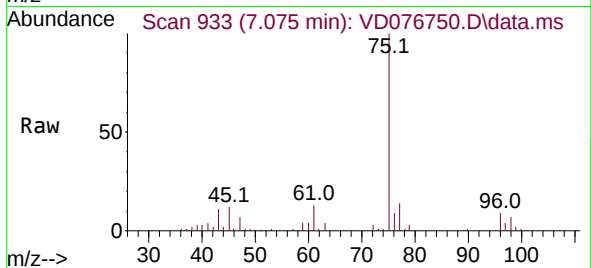
72 27.2 30.7 46.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#26

2,2-Dichloropropane

Concen: 4.939 ug/l

RT: 7.075 min Scan# 933

Delta R.T. 0.000 min

Lab File: VD076750.D

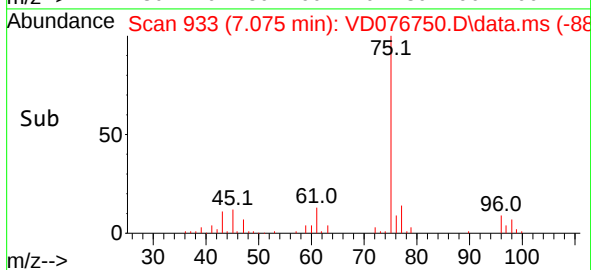
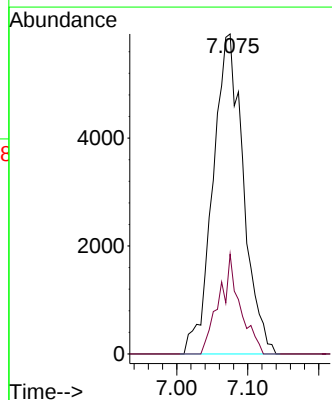
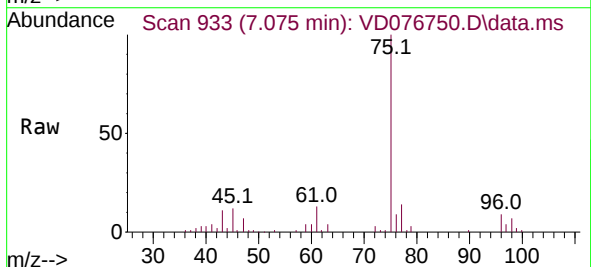
Acq: 17 Jul 2023 13:09

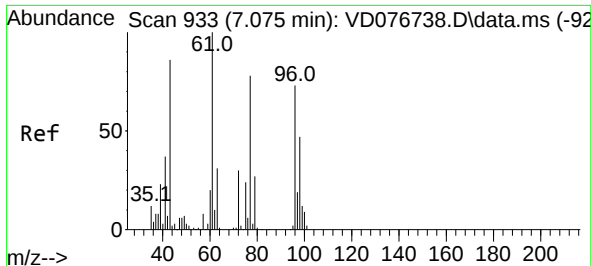
Tgt Ion: 77 Resp: 17572

Ion Ratio Lower Upper

77 100

97 21.6 13.2 39.6





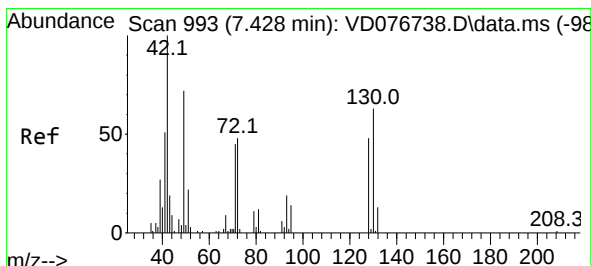
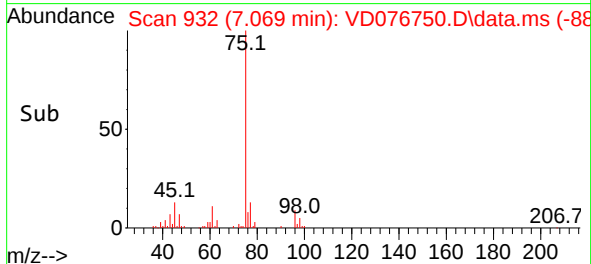
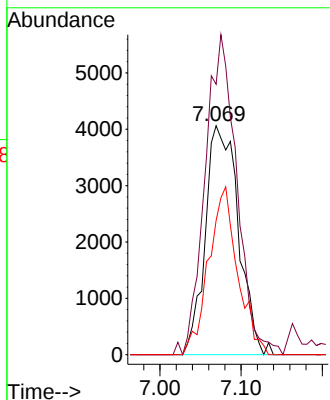
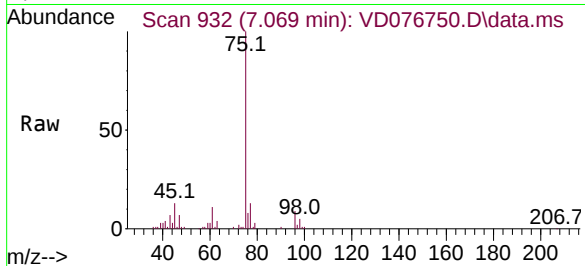
#27
cis-1,2-Dichloroethene
Concen: 4.083 ug/l
RT: 7.069 min Scan# 911
Delta R.T. -0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 96 Resp: 1151
Ion Ratio Lower Upper
96 100
61 133.9 0.0 239.2
98 64.3 0.0 128.6

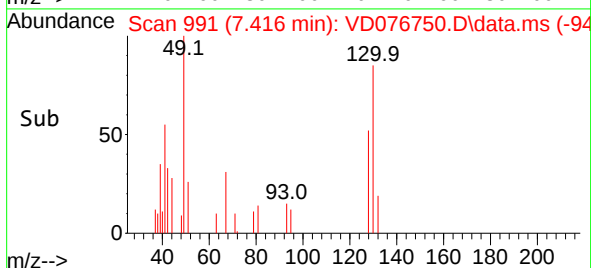
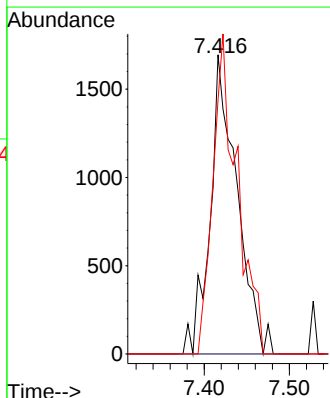
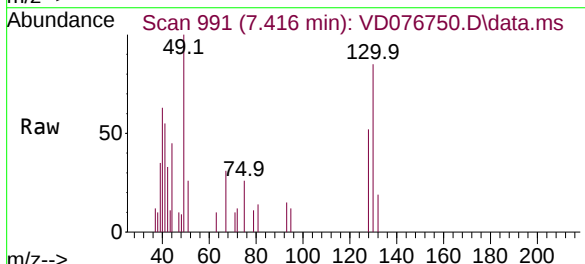
Manual Integrations
APPROVED

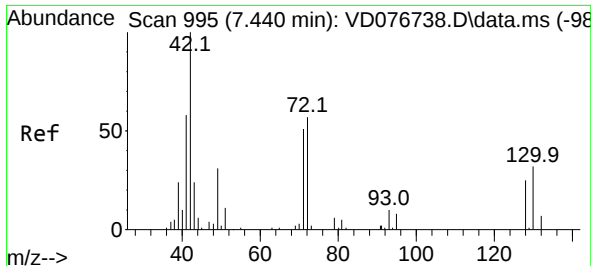
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#28
Bromochloromethane
Concen: 3.616 ug/l
RT: 7.416 min Scan# 991
Delta R.T. -0.012 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 49 Resp: 3731
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 96.6 83.2 124.8





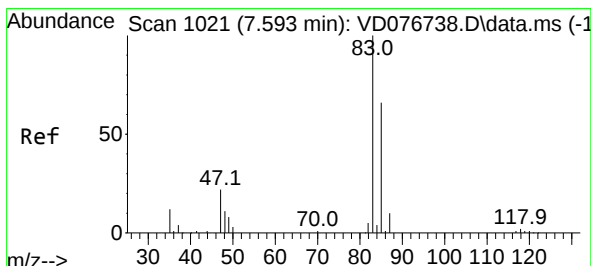
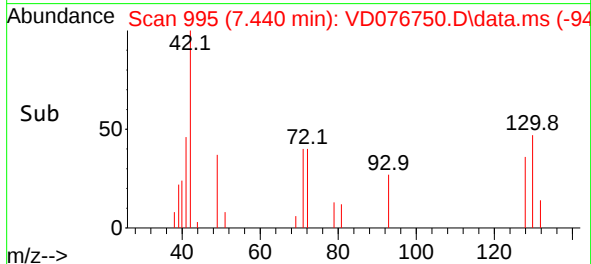
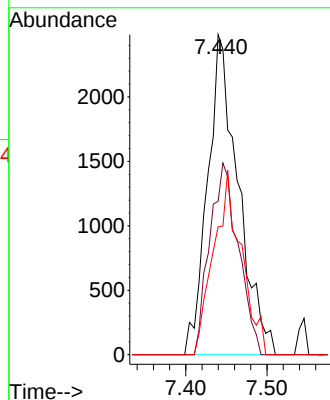
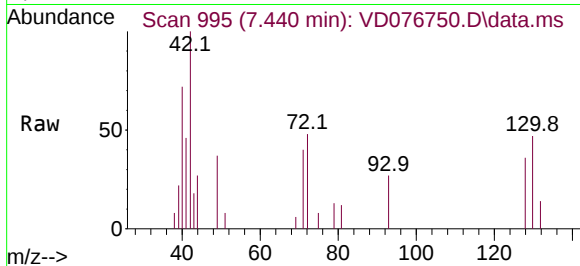
#29
Tetrahydrofuran
Concen: 17.354 ug/l
RT: 7.440 min Scan# 995
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Instrument : MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 42 Resp: 650
Ion Ratio Lower Upper
42 100
72 56.0 46.5 69.7
71 51.8 44.5 66.7

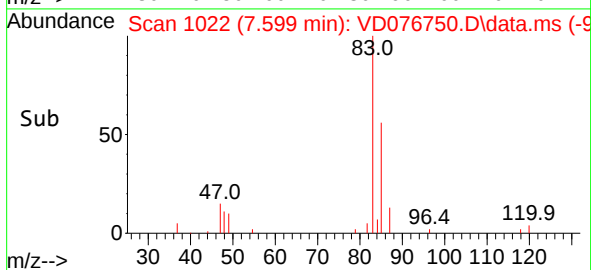
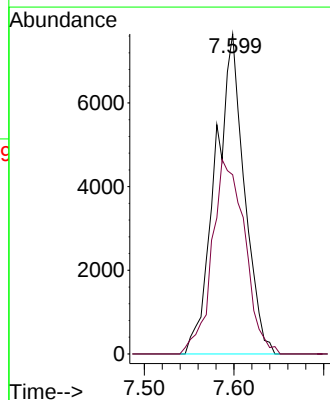
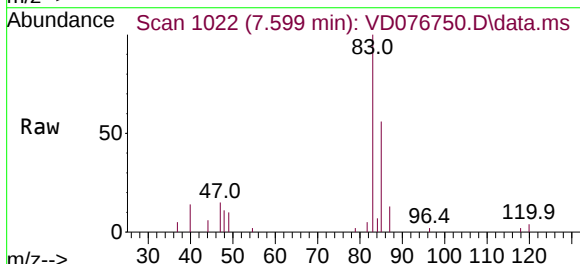
Manual Integrations
APPROVED

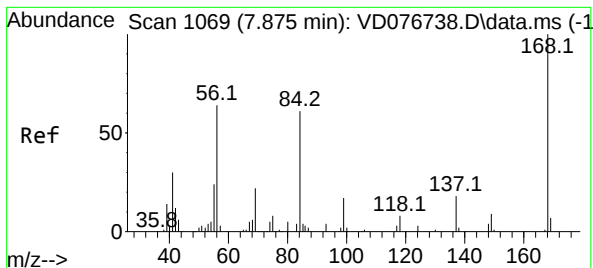
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#30
Chloroform
Concen: 3.803 ug/l
RT: 7.599 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 83 Resp: 17194
Ion Ratio Lower Upper
83 100
85 56.0 53.4 80.2





#31

Cyclohexane

Concen: 4.682 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

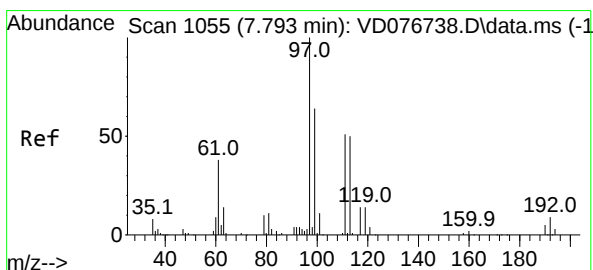
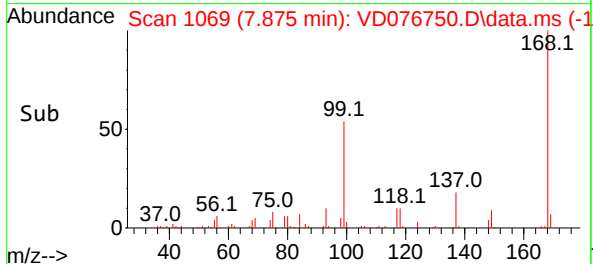
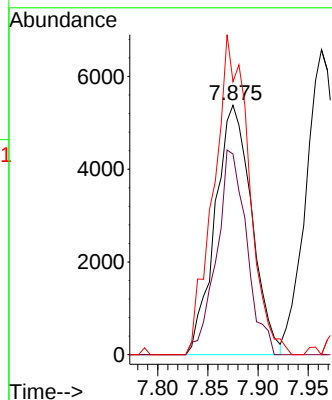
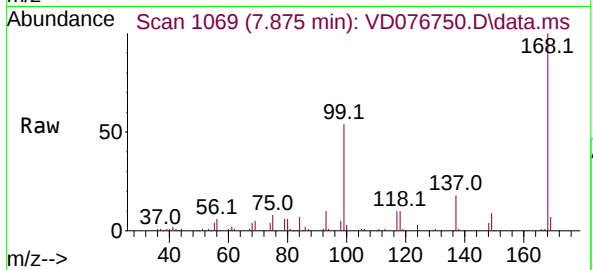
Tgt Ion: 56	Resp: 1366
Ion Ratio	Lower Upper
56 100	
69 80.4	28.6 43.0
84 109.4	84.8 127.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#32

1,1,1-Trichloroethane

Concen: 3.895 ug/l

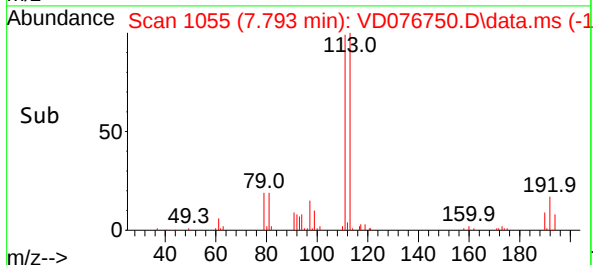
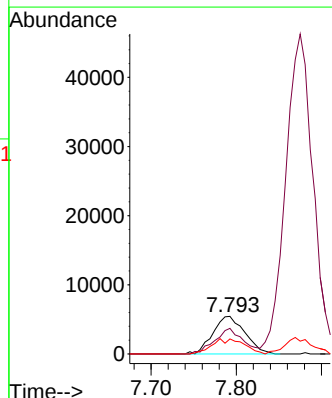
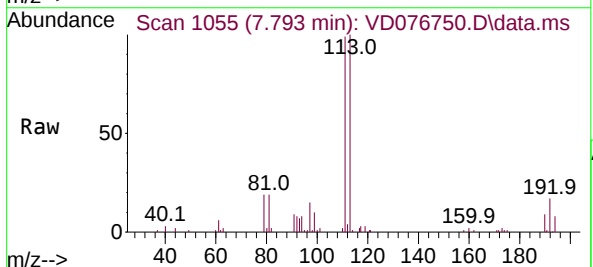
RT: 7.793 min Scan# 1055

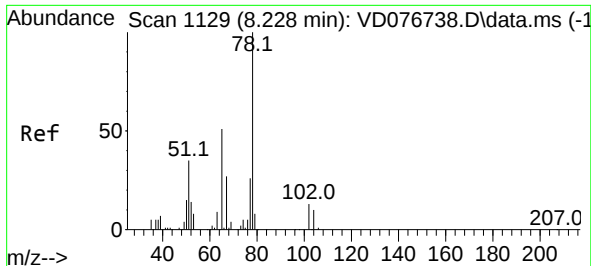
Delta R.T. -0.000 min

Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

Tgt Ion: 97	Resp: 14205
Ion Ratio	Lower Upper
97 100	
99 61.3	52.0 78.0
61 18.8	33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 45.337 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 65 Resp: 8993

Ion Ratio Lower Upper

65 100

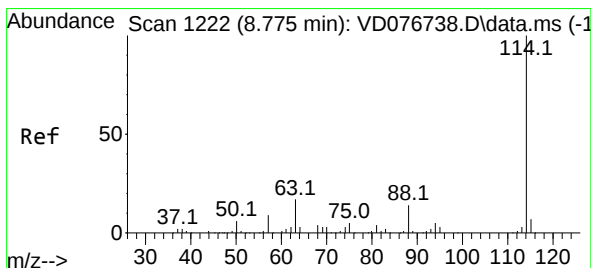
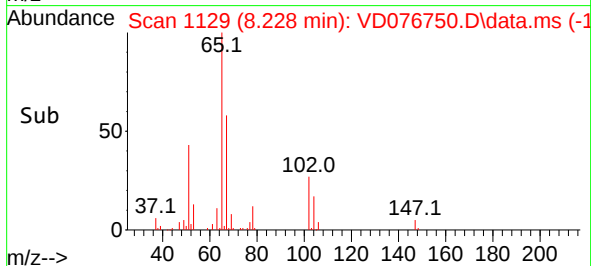
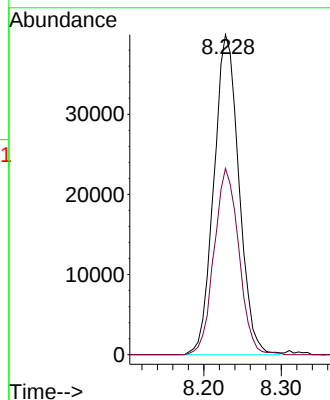
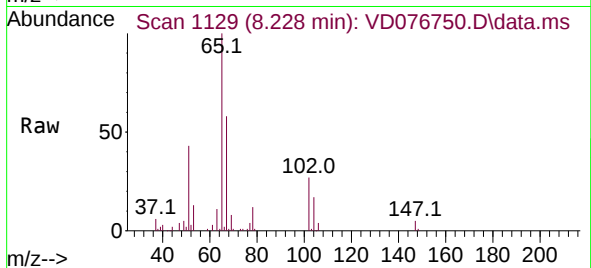
67 57.6 0.0 115.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

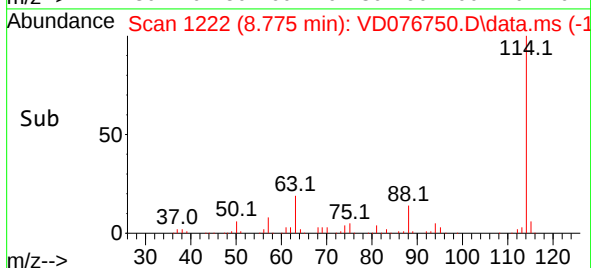
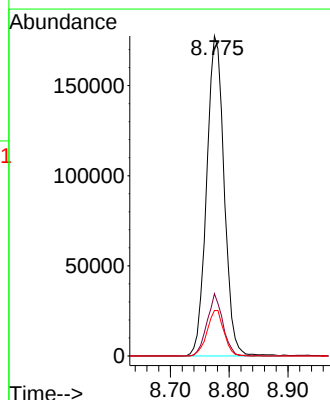
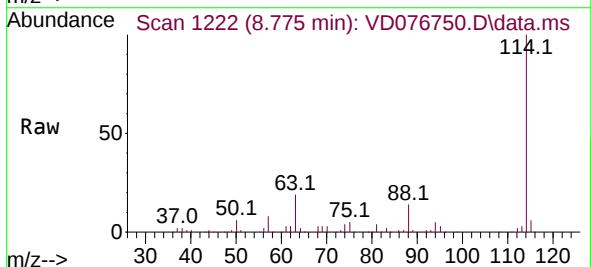
Tgt Ion:114 Resp: 367300

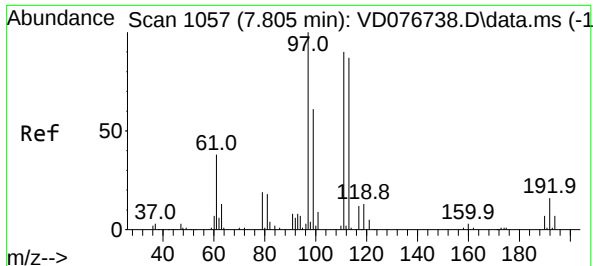
Ion Ratio Lower Upper

114 100

63 19.5 0.0 33.4

88 14.2 0.0 26.2





#35

Dibromofluoromethane

Concen: 47.553 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 113 Resp: 109758

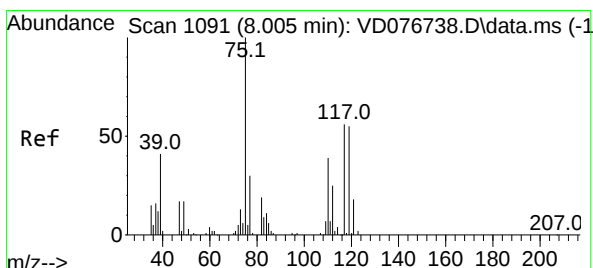
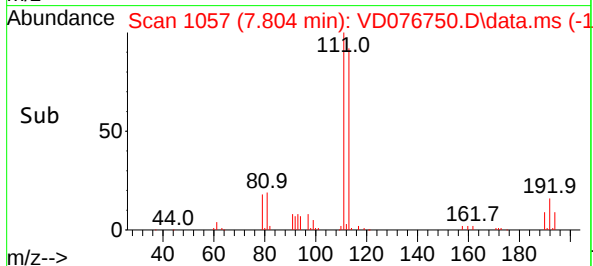
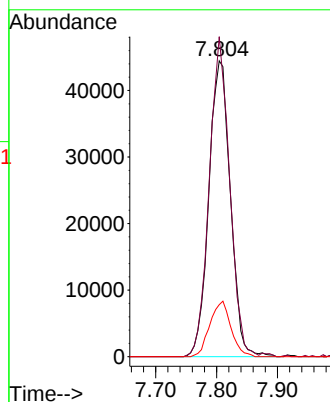
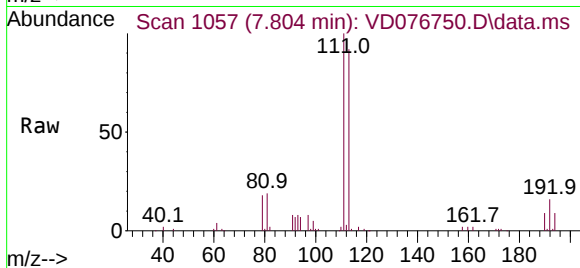
Ion	Ratio	Lower	Upper
113	100		
111	101.9	84.7	127.1
192	18.3	16.8	25.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#36

1,1-Dichloropropene

Concen: 3.760 ug/l

RT: 8.010 min Scan# 1092

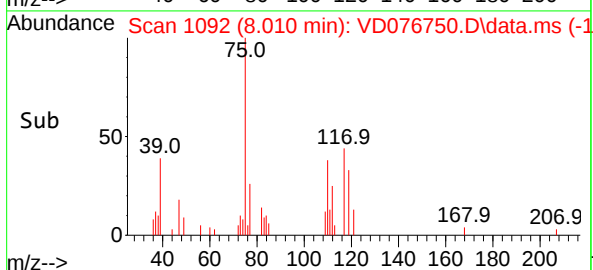
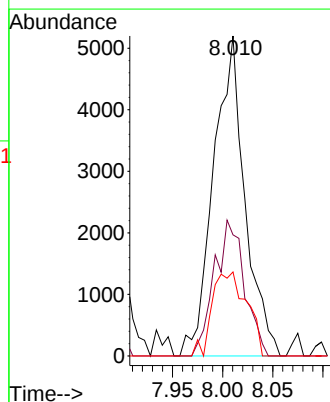
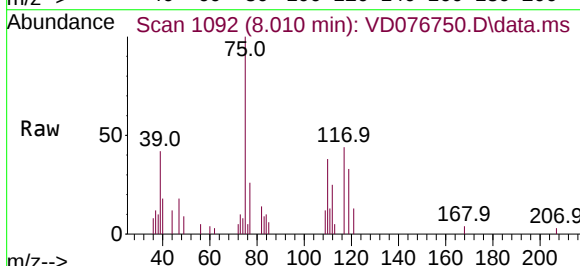
Delta R.T. 0.005 min

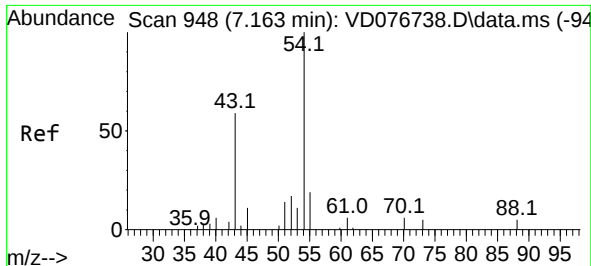
Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

Tgt Ion: 75 Resp: 11342

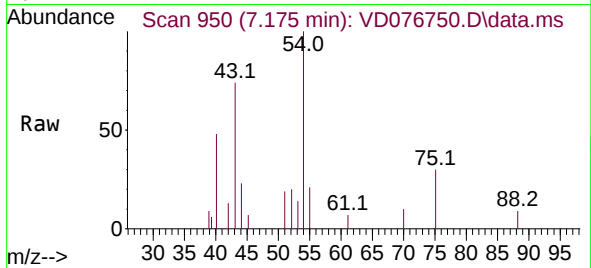
Ion	Ratio	Lower	Upper
75	100		
110	40.7	19.9	59.6
77	28.8	24.7	37.1





#37
Ethyl Acetate
Concen: 4.023 ug/l m
RT: 7.175 min Scan# 948
Delta R.T. 0.012 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

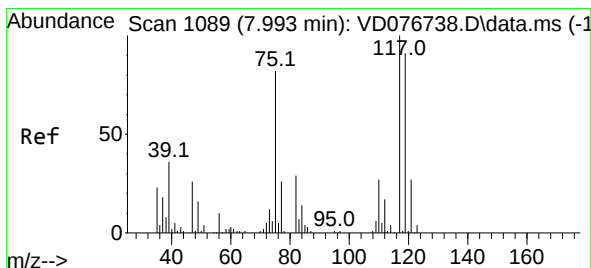
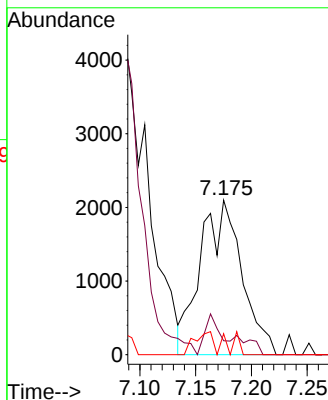
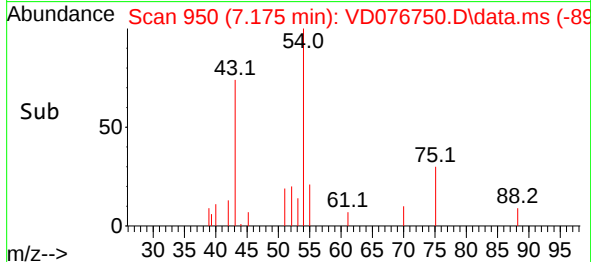
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 43 Resp: 5420
Ion Ratio Lower Upper
43 100
61 10.1 14.9 22.3
70 6.5 10.0 15.0

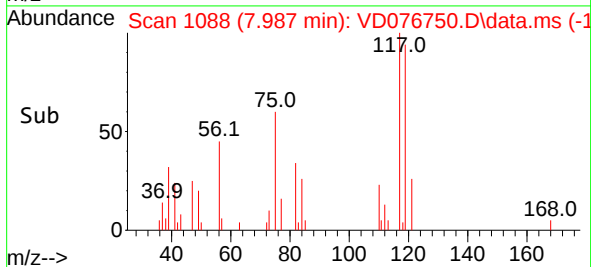
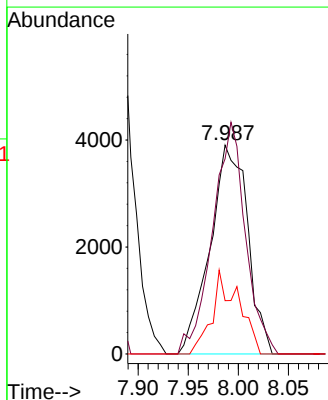
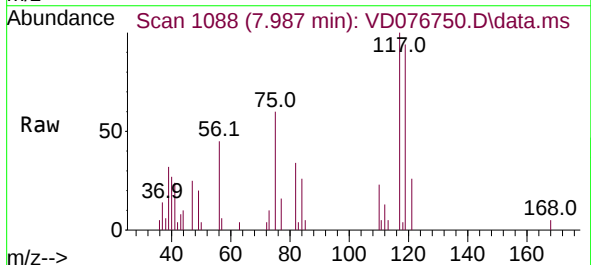
Manual Integrations
APPROVED

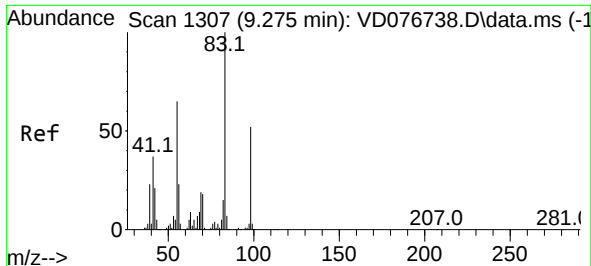
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#38
Carbon Tetrachloride
Concen: 3.519 ug/l
RT: 7.987 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion:117 Resp: 10163
Ion Ratio Lower Upper
117 100
119 93.5 78.0 117.0
121 25.5 24.2 36.2





#39

Methylcyclohexane

Concen: 3.435 ug/l

RT: 9.269 min Scan# 1196

Delta R.T. -0.006 min

Lab File: VD076750.D

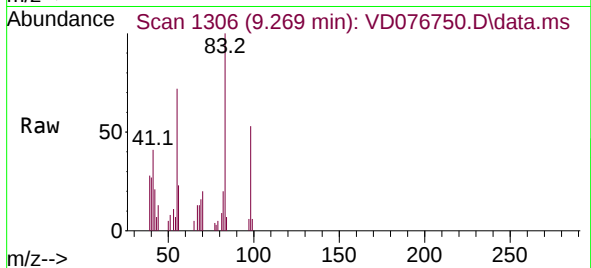
Acq: 17 Jul 2023 13:09

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023



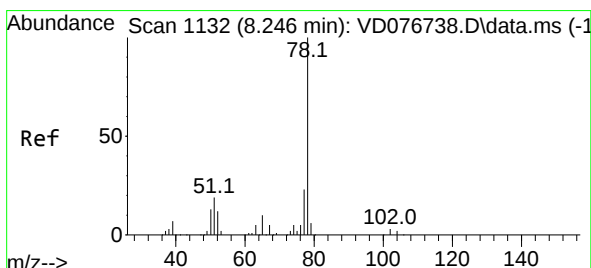
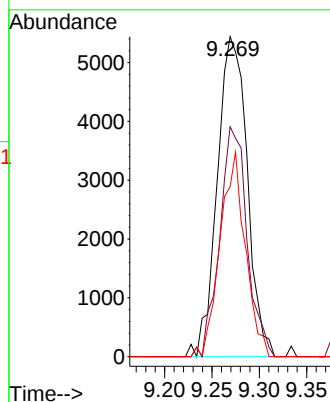
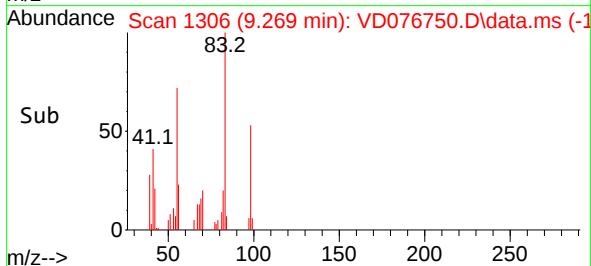
Tgt Ion:	83	Resp:	1196
Ion	Ratio	Lower	Upper
83	100		
55	71.9	49.4	74.0
98	53.2	38.4	57.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#40

Benzene

Concen: 3.660 ug/l

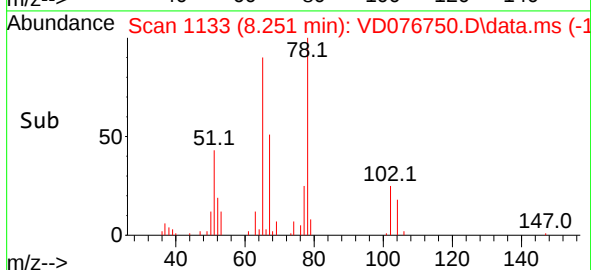
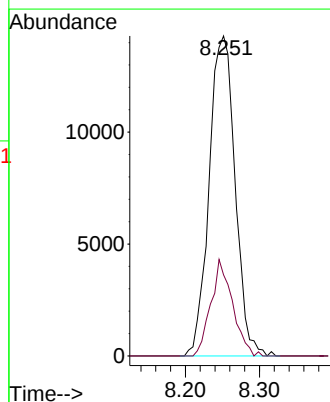
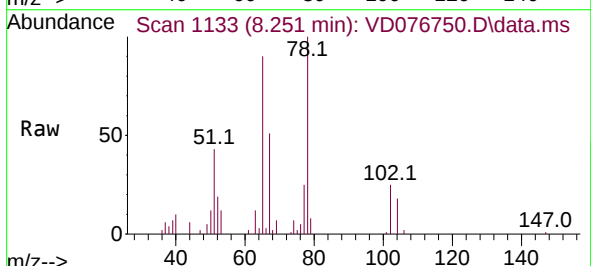
RT: 8.251 min Scan# 1133

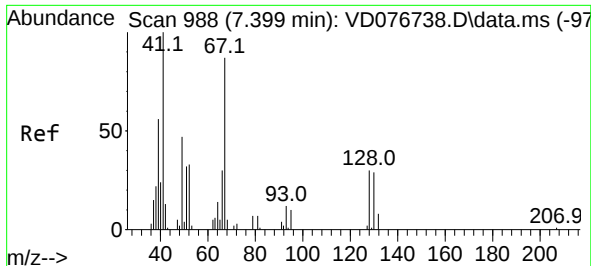
Delta R.T. 0.005 min

Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

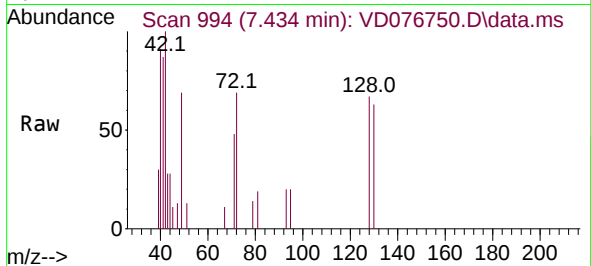
Tgt Ion:	78	Resp:	34828
Ion	Ratio	Lower	Upper
78	100		
77	25.4	19.4	29.0





#41
Methacrylonitrile
Concen: 5.296 ug/l m
RT: 7.434 min Scan# 994
Delta R.T. 0.035 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

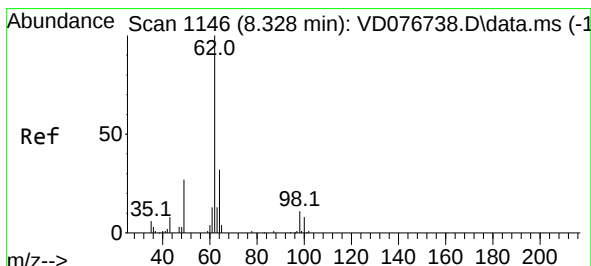
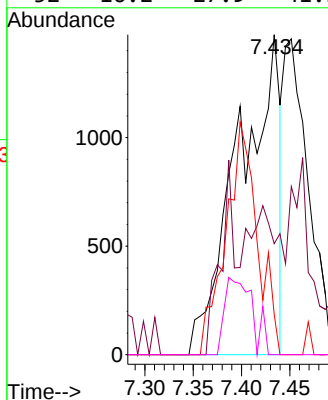
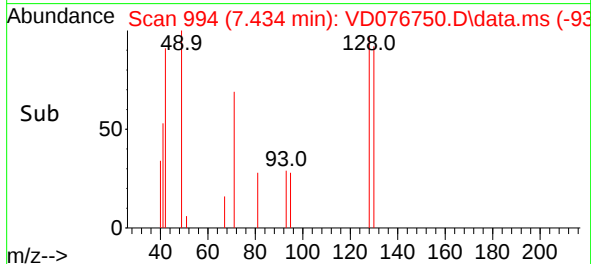
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 41 Resp: 4362
Ion Ratio Lower Upper
41 100
39 23.0 34.0 51.0
67 55.8 77.0 115.4
52 16.2 27.9 41.9

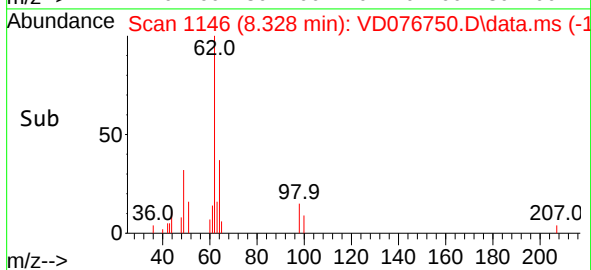
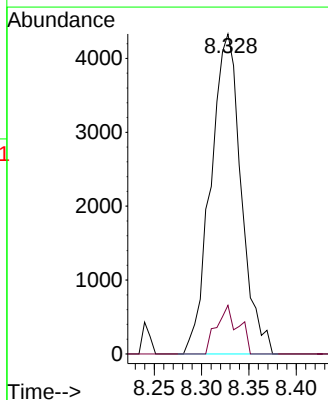
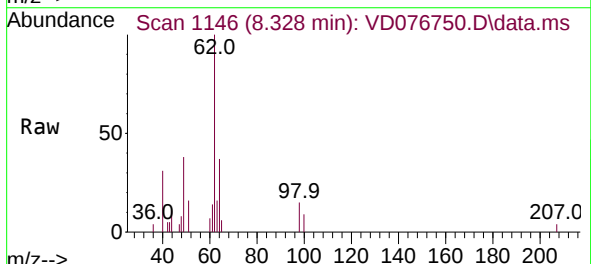
Manual Integrations
APPROVED

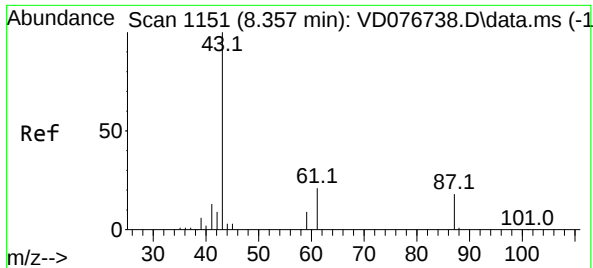
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#42
1,2-Dichloroethane
Concen: 3.918 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

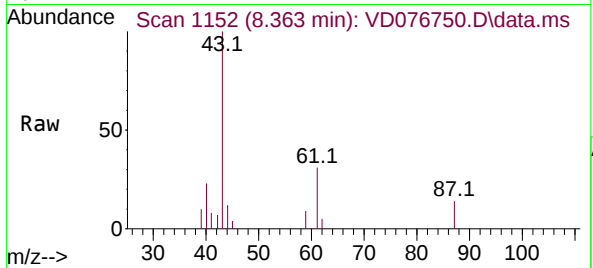
Tgt Ion: 62 Resp: 9688
Ion Ratio Lower Upper
62 100
98 10.9 0.0 25.4





#43
Isopropyl Acetate
Concen: 3.682 ug/l
RT: 8.363 min Scan# 1152
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

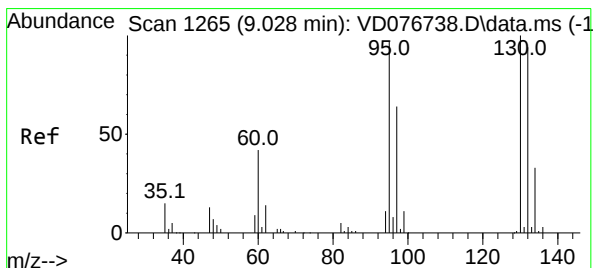
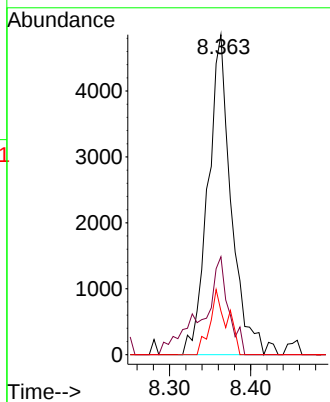
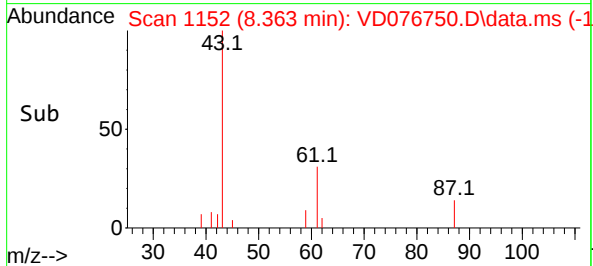
Instrument : MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 43 Resp: 969
Ion Ratio Lower Upper
43 100
61 22.5 31.4 47.0
87 15.0 14.9 22.3

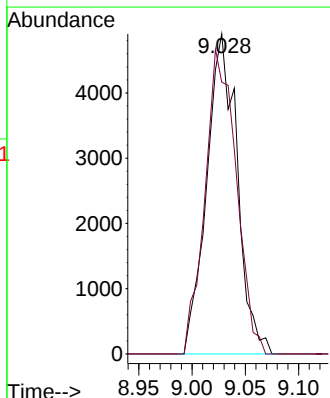
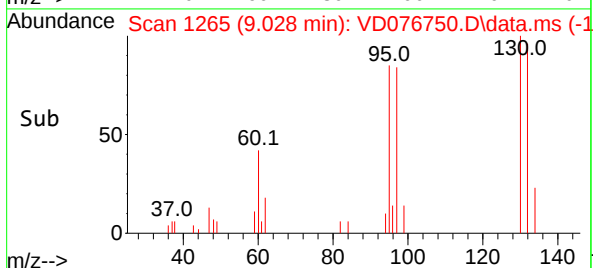
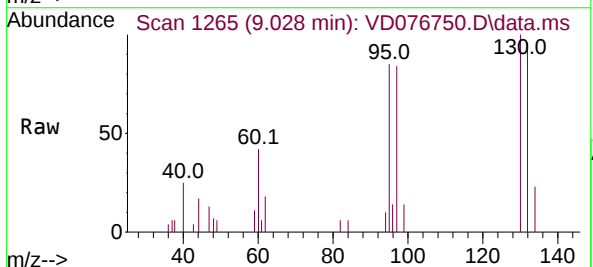
Manual Integrations
APPROVED

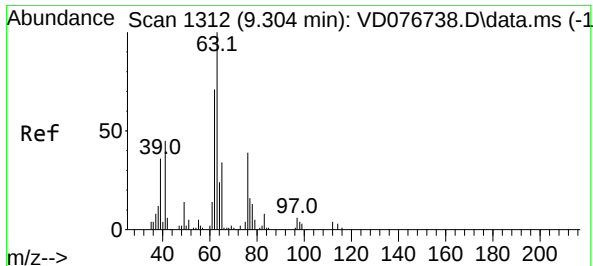
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#44
Trichloroethene
Concen: 3.760 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion:130 Resp: 9751
Ion Ratio Lower Upper
130 100
95 85.0 0.0 179.2





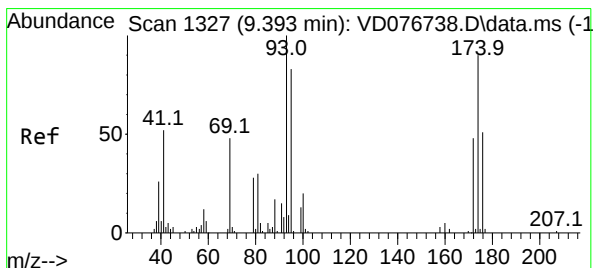
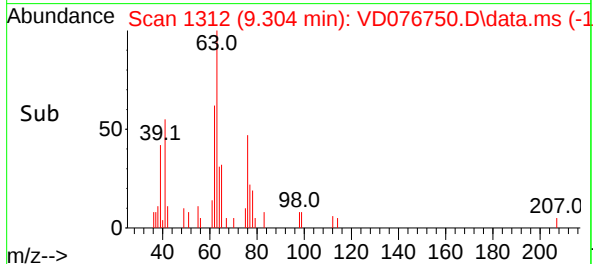
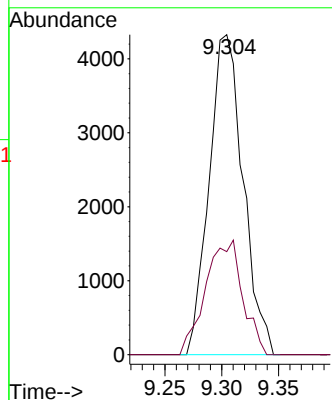
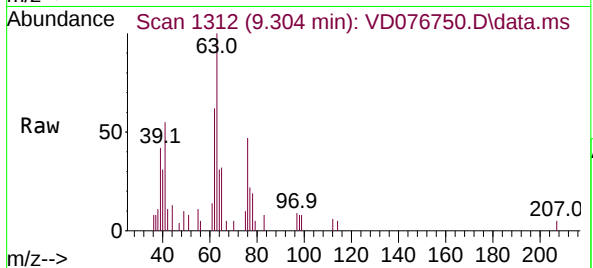
#45
1,2-Dichloropropane
Concen: 3.662 ug/l
RT: 9.304 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 63 Resp: 899
Ion Ratio Lower Upper
63 100
65 32.2 24.5 36.7

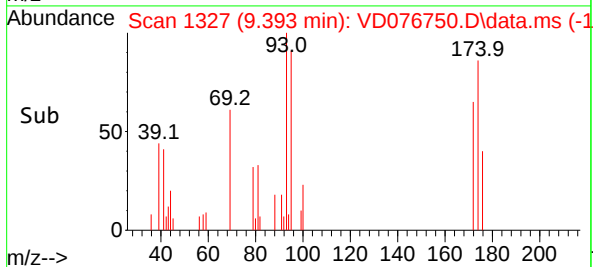
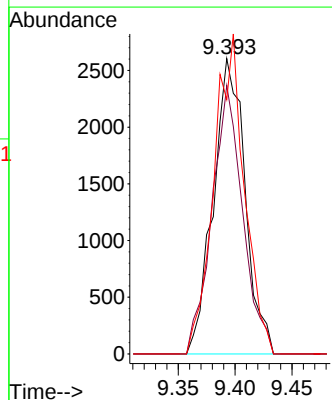
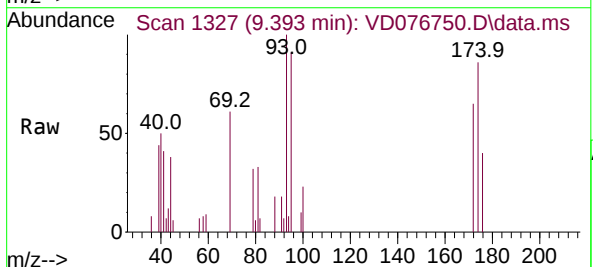
Manual Integrations
APPROVED

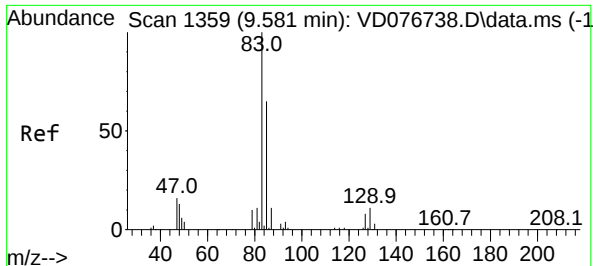
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#46
Dibromomethane
Concen: 3.525 ug/l
RT: 9.393 min Scan# 1327
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

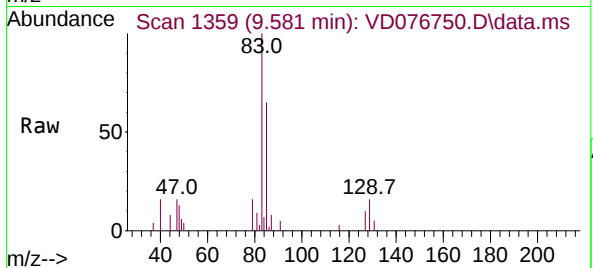
Tgt Ion: 93 Resp: 5068
Ion Ratio Lower Upper
93 100
95 87.9 67.7 101.5
174 103.8 85.4 128.2





#47
Bromodichloromethane
Concen: 3.715 ug/l
RT: 9.581 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

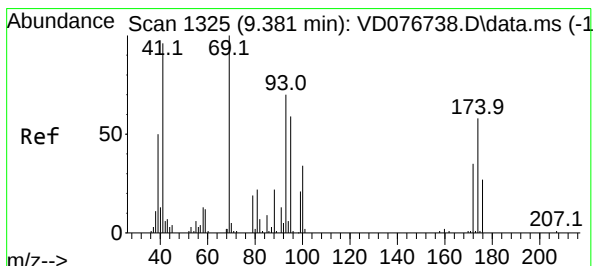
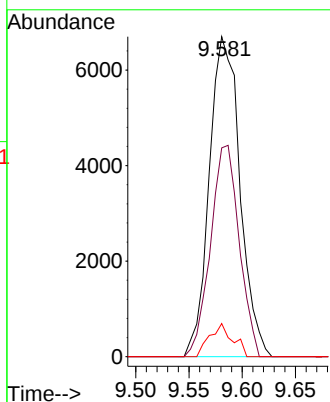
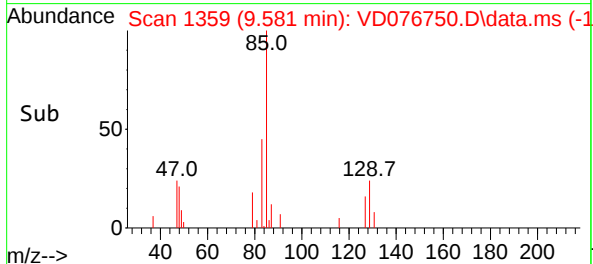
Instrument : MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



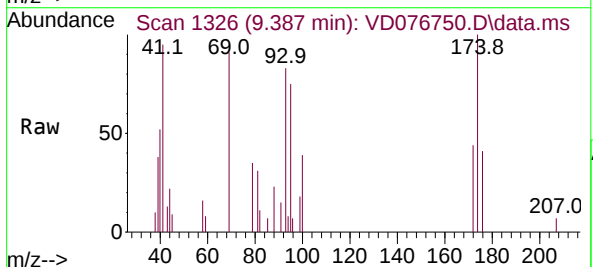
Tgt Ion: 83 Resp: 13400
Ion Ratio Lower Upper
83 100
85 65.2 50.2 75.4
127 10.4 6.3 9.5

Manual Integrations
APPROVED

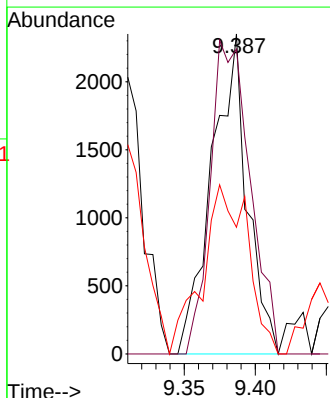
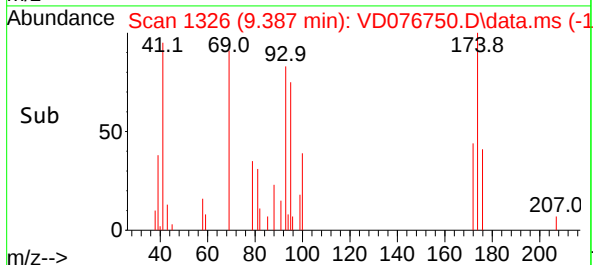
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

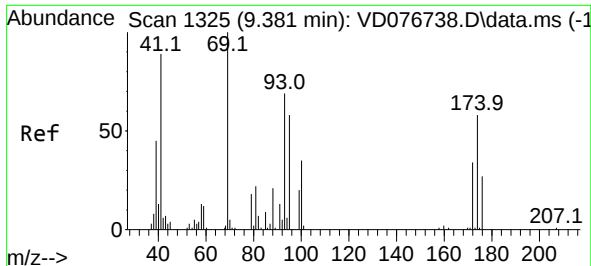


#48
Methyl methacrylate
Concen: 3.395 ug/l
RT: 9.387 min Scan# 1326
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09



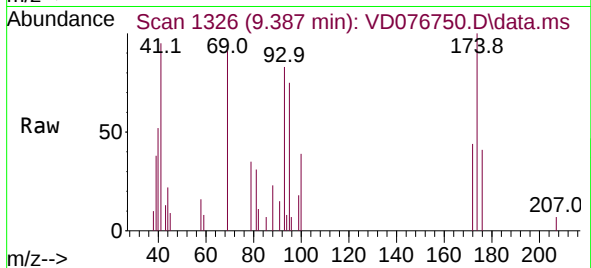
Tgt Ion: 41 Resp: 4068
Ion Ratio Lower Upper
41 100
69 110.4 102.2 153.2
39 67.3 41.4 62.2





#49
1,4-Dioxane
Concen: 70.456 ug/l
RT: 9.387 min Scan# 1325
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

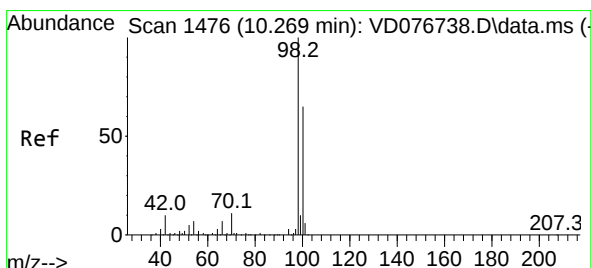
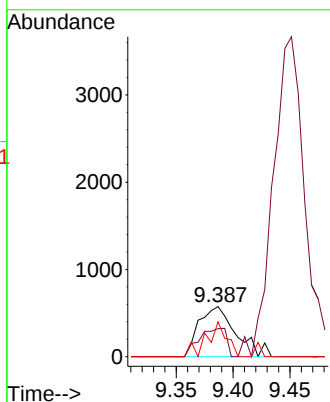
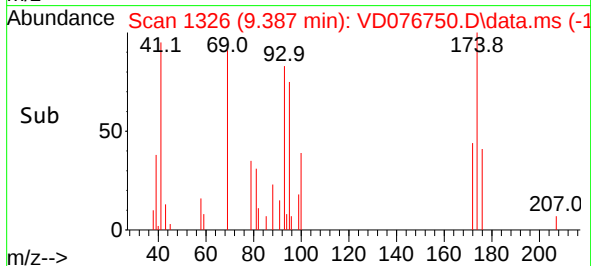
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



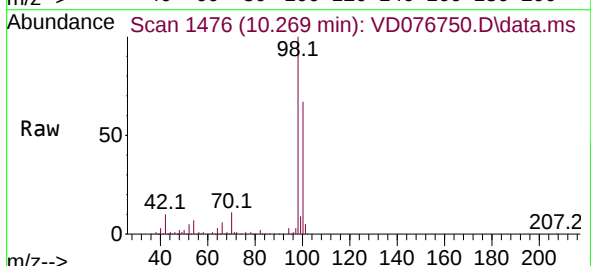
Tgt Ion: 88 Resp: 1298
Ion Ratio Lower Upper
88 100
43 42.0 19.0 28.6
58 38.4 43.5 65.3

Manual Integrations
APPROVED

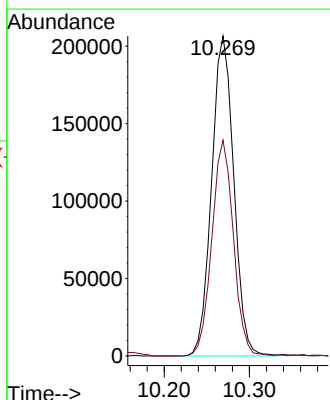
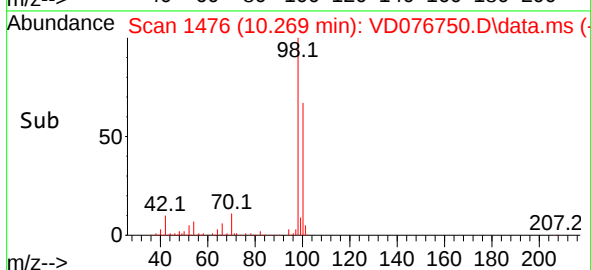
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

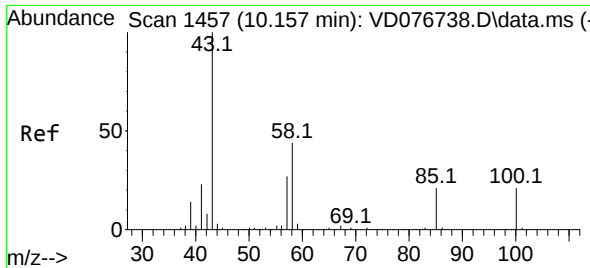


#50
Toluene-d8
Concen: 45.183 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09



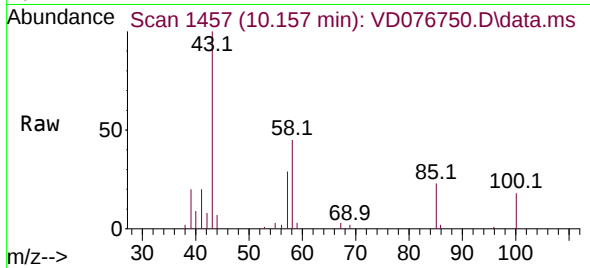
Tgt Ion: 98 Resp: 373077
Ion Ratio Lower Upper
98 100
100 65.9 50.3 75.5





#51
4-Methyl-2-Pentanone
Concen: 16.771 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

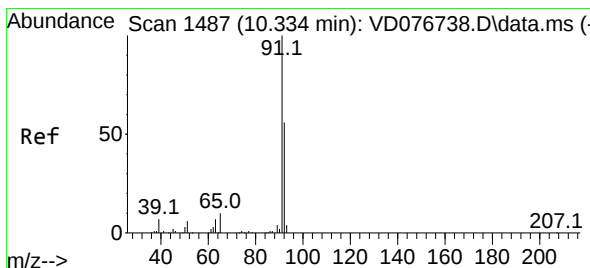
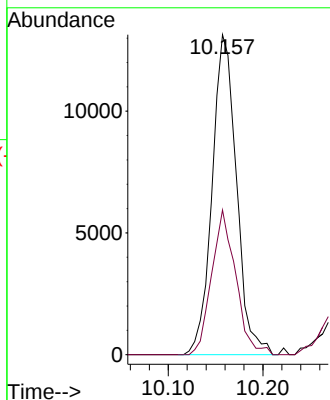
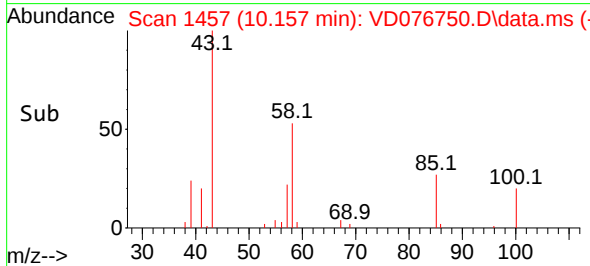
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



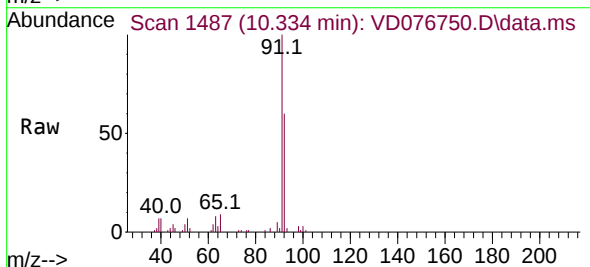
Tgt Ion: 43 Resp: 2350
Ion Ratio Lower Upper
43 100
58 44.8 38.9 58.3

Manual Integrations
APPROVED

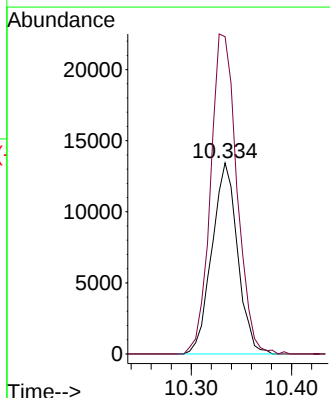
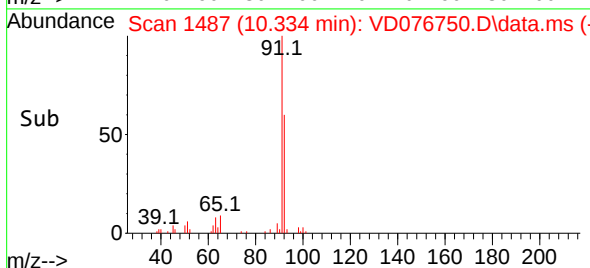
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

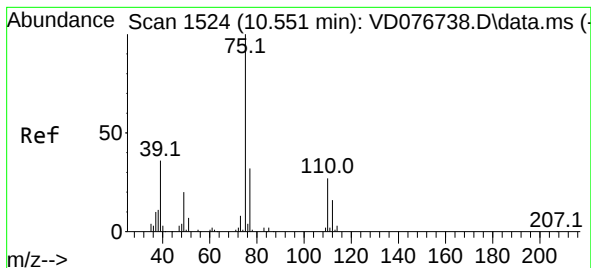


#52
Toluene
Concen: 3.813 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09



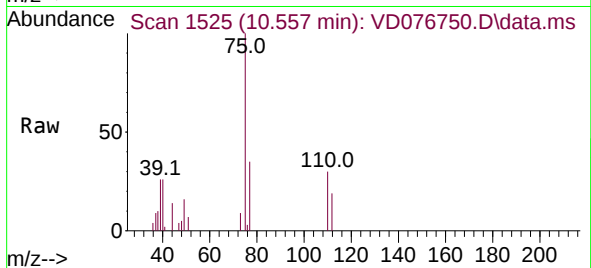
Tgt Ion: 92 Resp: 23834
Ion Ratio Lower Upper
92 100
91 172.4 143.0 214.4





#53
t-1,3-Dichloropropene
Concen: 3.323 ug/l
RT: 10.557 min Scan# 11130
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

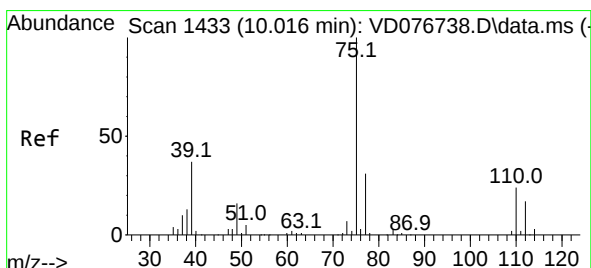
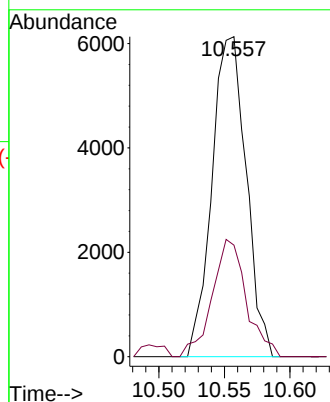
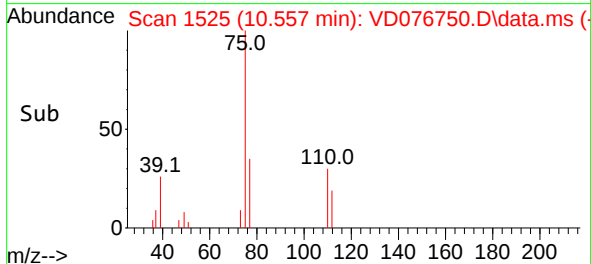
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 75 Resp: 11130
Ion Ratio Lower Upper
75 100
77 34.9 25.3 37.9

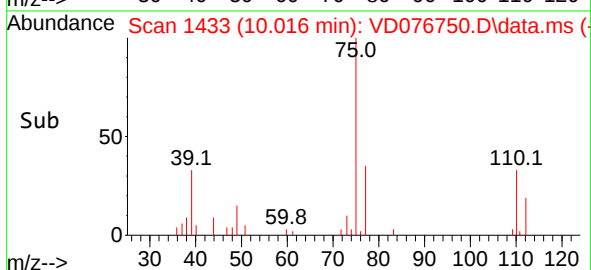
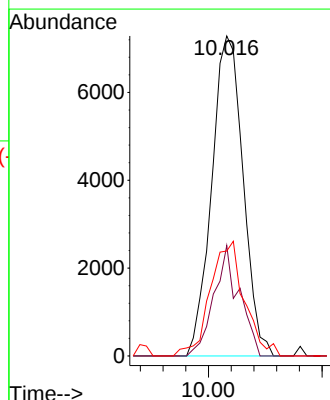
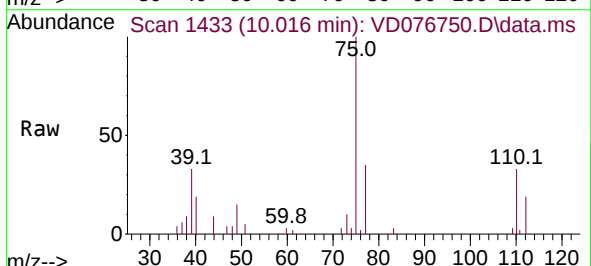
Manual Integrations
APPROVED

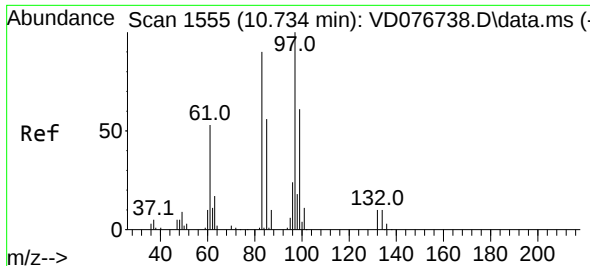
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#54
cis-1,3-Dichloropropene
Concen: 3.539 ug/l
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

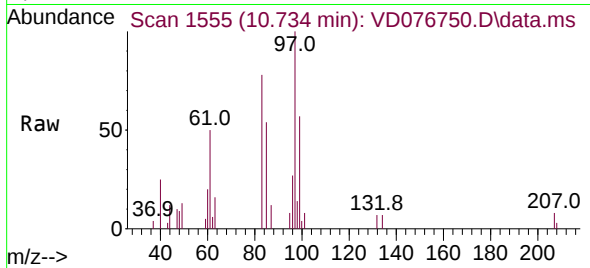
Tgt Ion: 75 Resp: 13968
Ion Ratio Lower Upper
75 100
77 34.5 25.5 38.3
39 32.8 22.1 33.1





#55
1,1,2-Trichloroethane
Concen: 3.905 ug/l
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

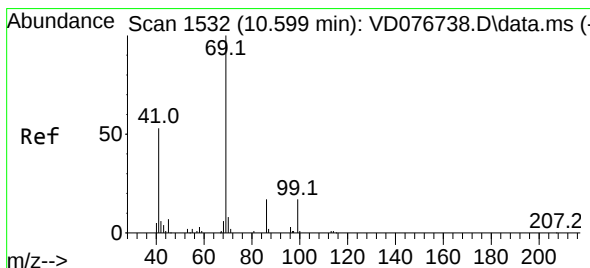
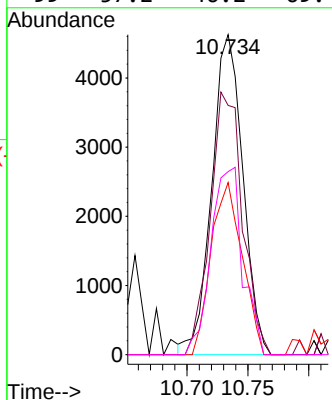
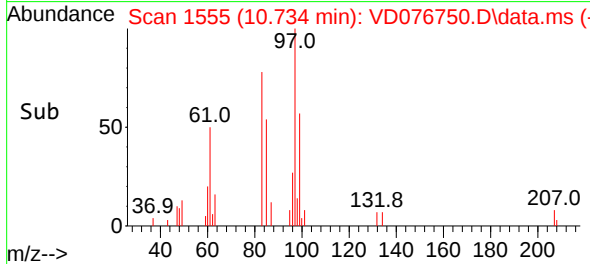
Instrument : MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



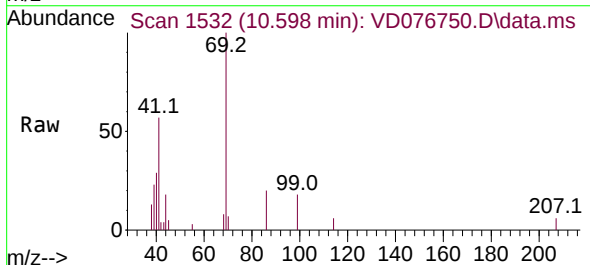
Tgt Ion:	97	Resp:	8200
Ion Ratio	100	Lower	Upper
97	100		
83	77.9	65.8	98.6
85	53.8	45.7	68.5
99	57.2	46.2	69.4

Manual Integrations
APPROVED

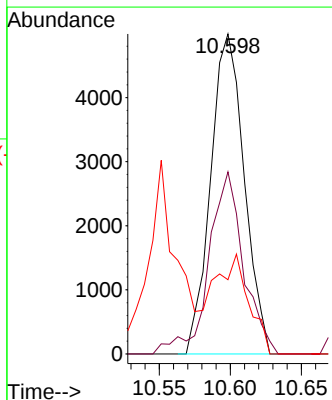
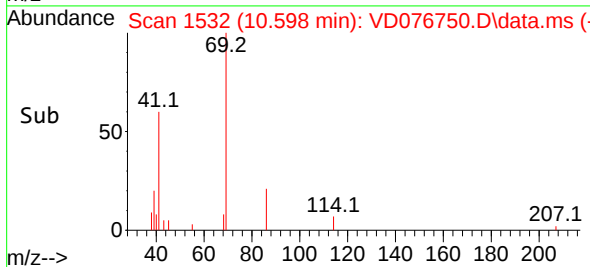
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

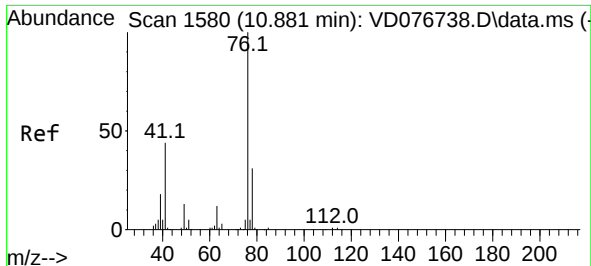


#56
Ethyl methacrylate
Concen: 3.388 ug/l
RT: 10.598 min Scan# 1532
Delta R.T. -0.001 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09



Tgt Ion:	69	Resp:	8211
Ion Ratio	100	Lower	Upper
69	100		
41	58.9	39.1	58.7#
39	31.0	20.0	30.0#





#57

1,3-Dichloropropane

Concen: 3.646 ug/l

RT: 10.881 min Scan# 11246

Delta R.T. -0.000 min

Lab File: VD076750.D

Acq: 17 Jul 2023 13:09

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 76 Resp: 1246

Ion Ratio Lower Upper

76 100

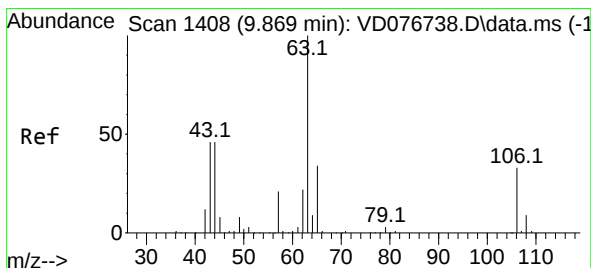
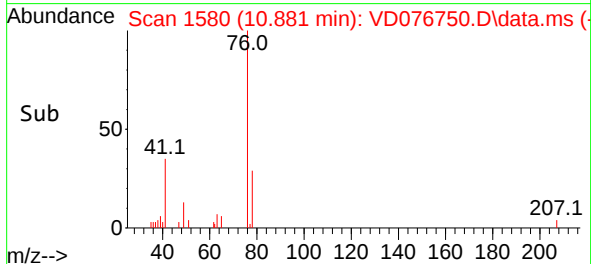
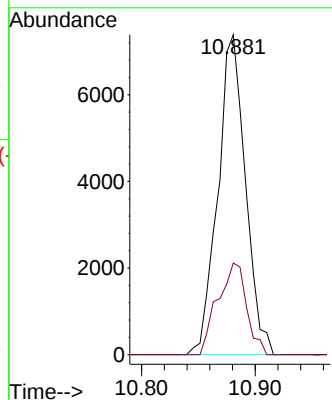
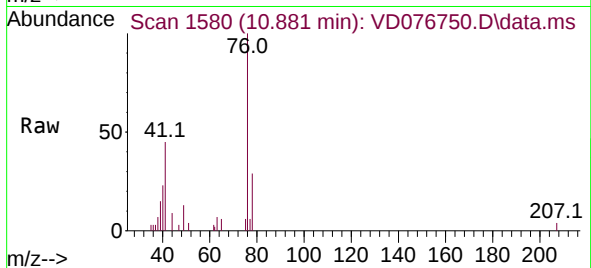
78 29.9 26.4 39.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#58

2-Chloroethyl Vinyl ether

Concen: 16.508 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD076750.D

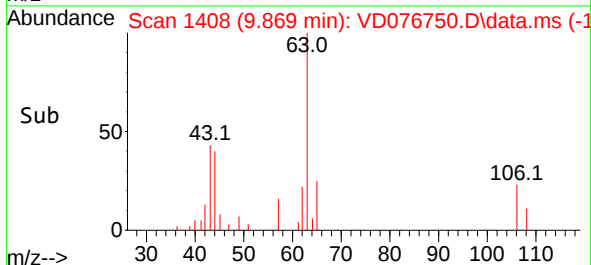
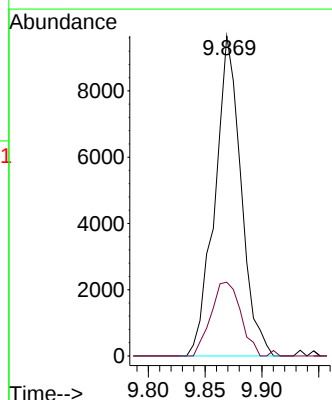
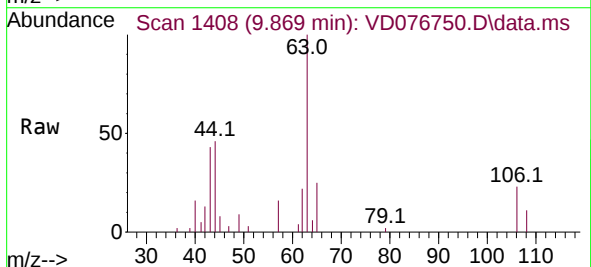
Acq: 17 Jul 2023 13:09

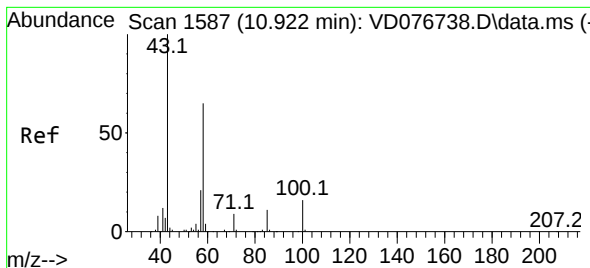
Tgt Ion: 63 Resp: 15486

Ion Ratio Lower Upper

63 100

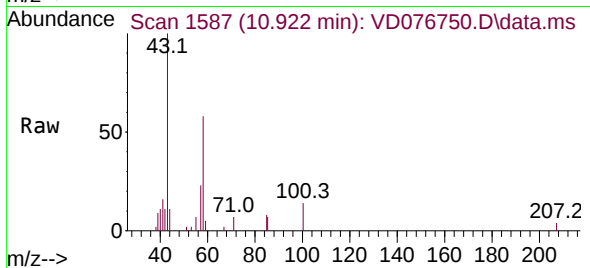
106 26.2 25.3 37.9





#59
2-Hexanone
Concen: 16.019 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

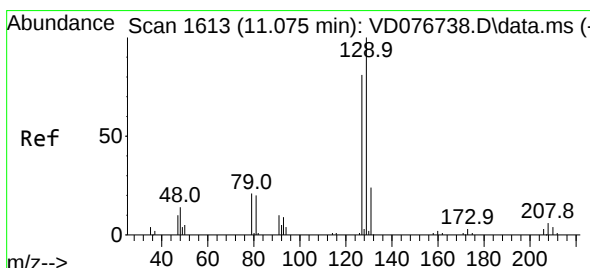
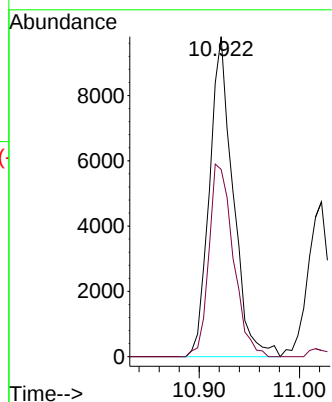
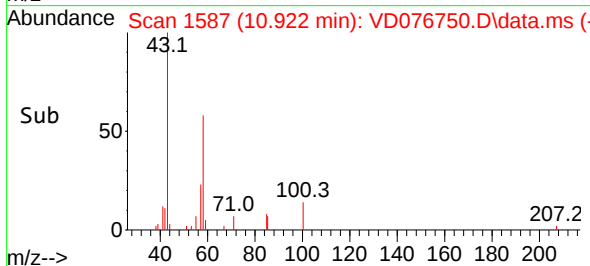
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 43 Resp: 16020
Ion Ratio Lower Upper
43 100
58 62.2 34.1 102.2

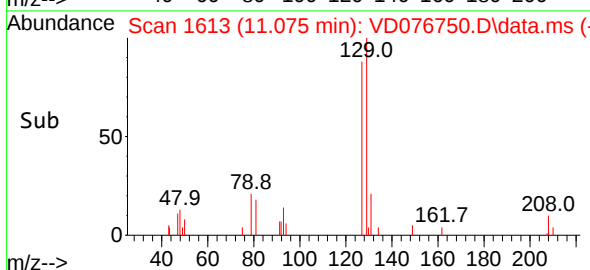
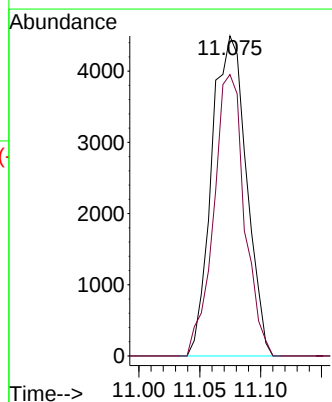
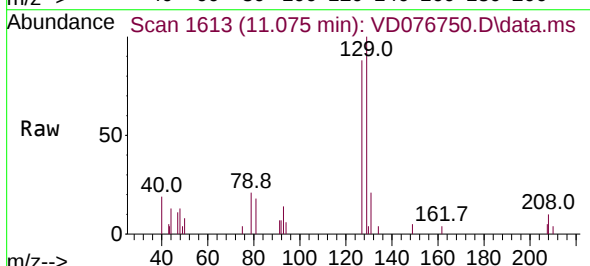
Manual Integrations
APPROVED

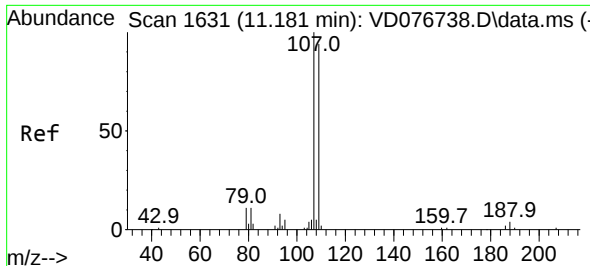
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#60
Dibromochloromethane
Concen: 3.657 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

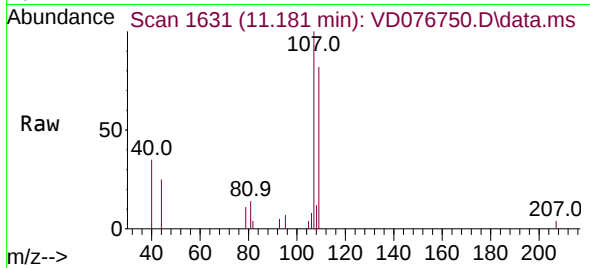
Tgt Ion:129 Resp: 8921
Ion Ratio Lower Upper
129 100
127 78.1 37.1 111.5





#61
1,2-Dibromoethane
Concen: 3.707 ug/l
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

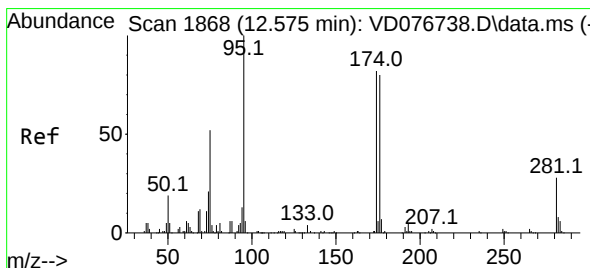
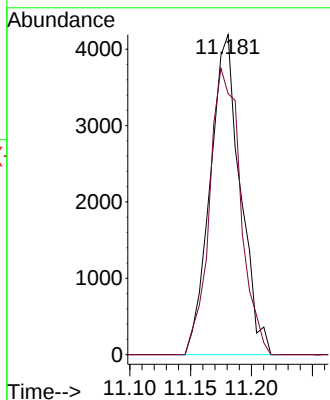
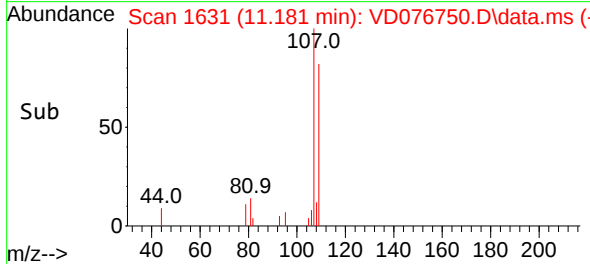
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



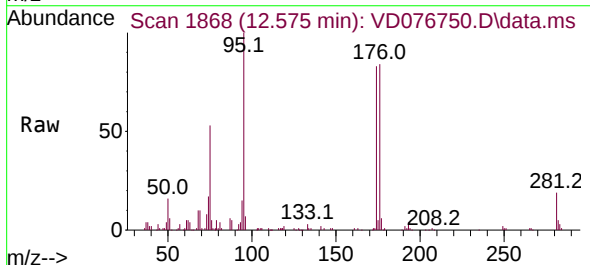
Tgt Ion:107 Resp: 7210
Ion Ratio Lower Upper
107 100
109 92.1 75.6 113.4

Manual Integrations
APPROVED

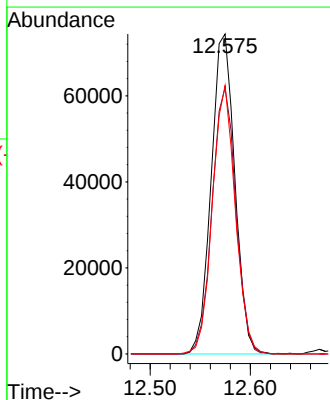
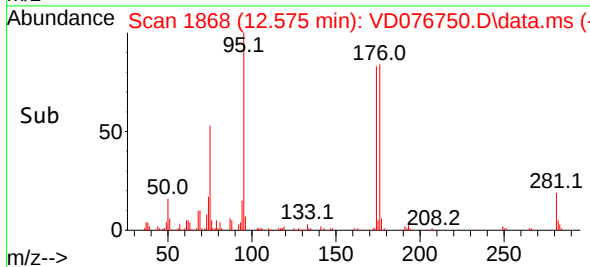
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

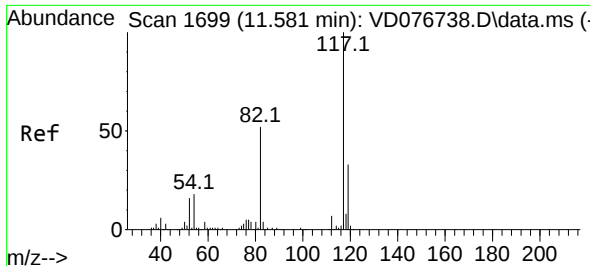


#62
4-Bromofluorobenzene
Concen: 45.631 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09



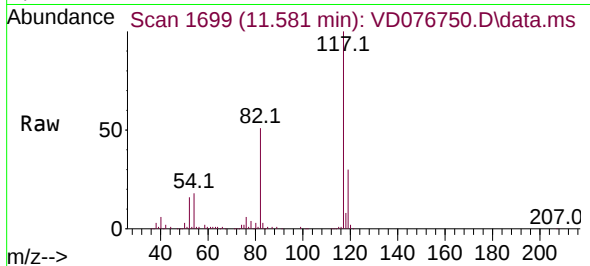
Tgt Ion: 95 Resp: 121888
Ion Ratio Lower Upper
95 100
174 83.6 0.0 201.8
176 81.3 0.0 191.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

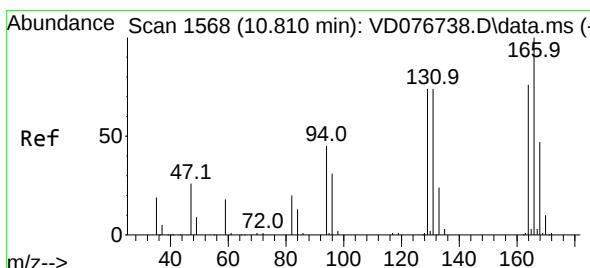
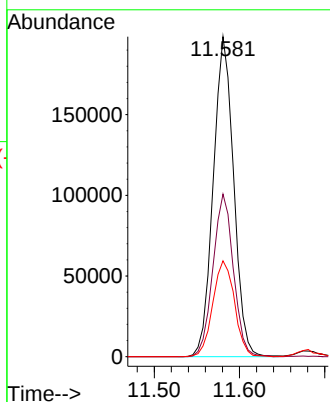
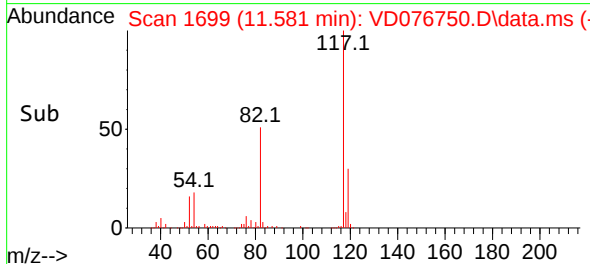
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



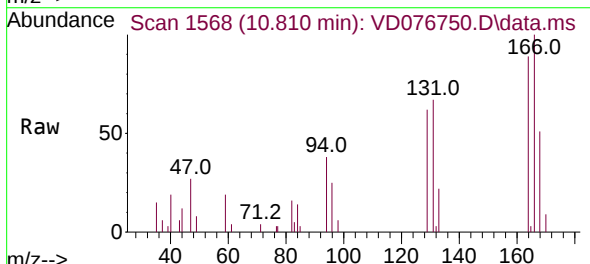
Tgt Ion:117 Resp: 331149
Ion Ratio Lower Upper
117 100
82 50.8 38.3 57.5
119 30.0 25.0 37.4

Manual Integrations
APPROVED

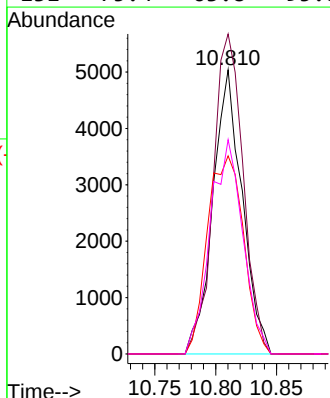
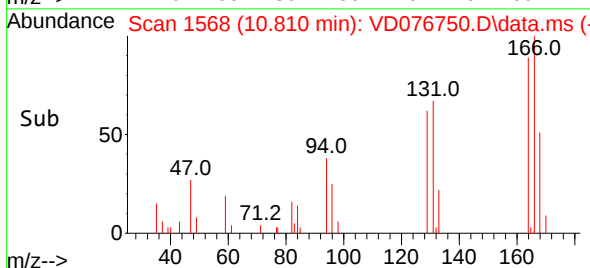
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

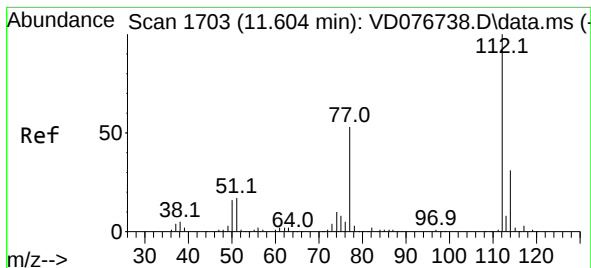


#64
Tetrachloroethene
Concen: 4.473 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09



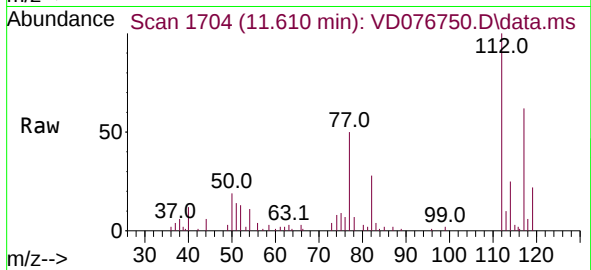
Tgt Ion:164 Resp: 8446
Ion Ratio Lower Upper
164 100
166 112.6 99.2 148.8
129 69.7 68.4 102.6
131 75.4 63.8 95.8





#65
Chlorobenzene
Concen: 4.066 ug/l
RT: 11.610 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

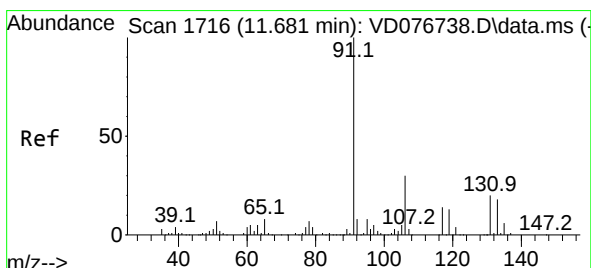
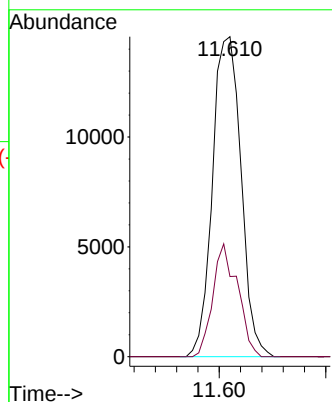
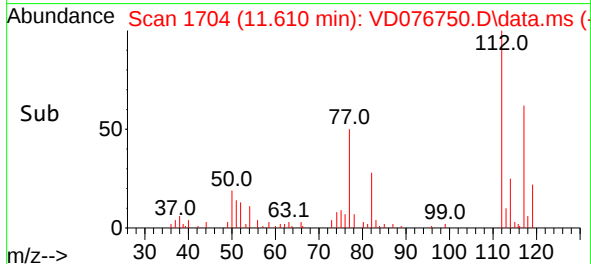
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion:112 Resp: 2707
Ion Ratio Lower Upper
112 100
114 25.1 25.1 37.7

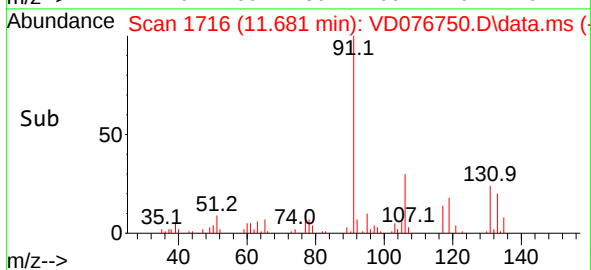
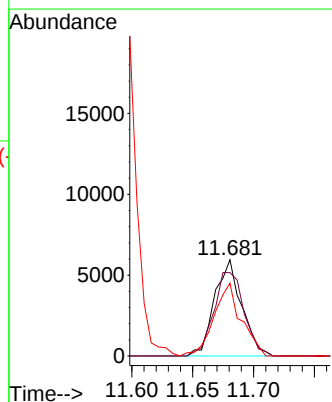
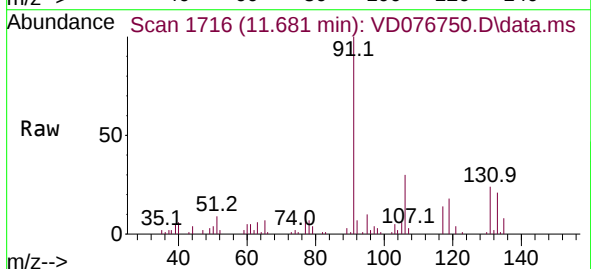
Manual Integrations
APPROVED

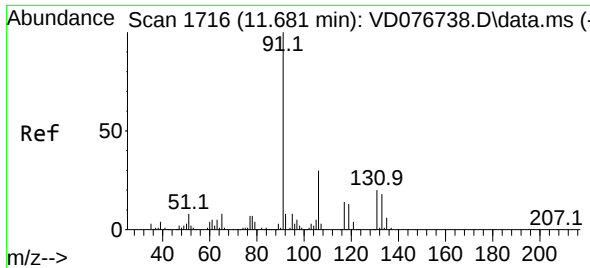
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 3.731 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion:131 Resp: 9252
Ion Ratio Lower Upper
131 100
133 96.7 48.5 145.5
119 75.9 35.6 106.9





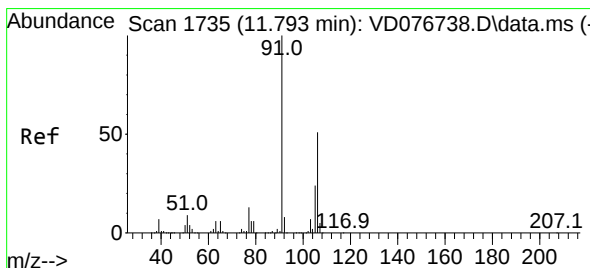
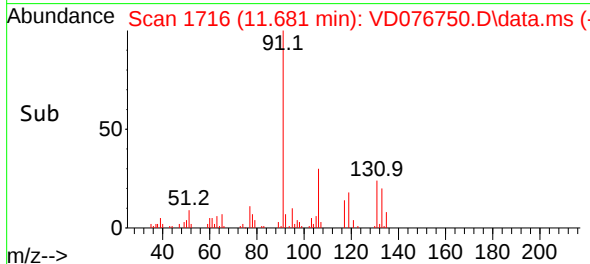
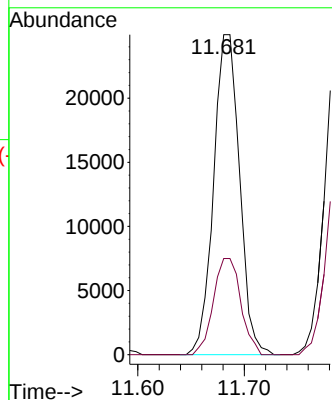
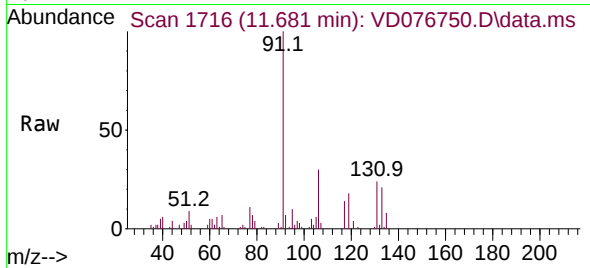
#67
Ethyl Benzene
Concen: 3.609 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Instrument : MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 91 Resp: 42210
Ion Ratio Lower Upper
91 100
106 30.1 26.5 39.7

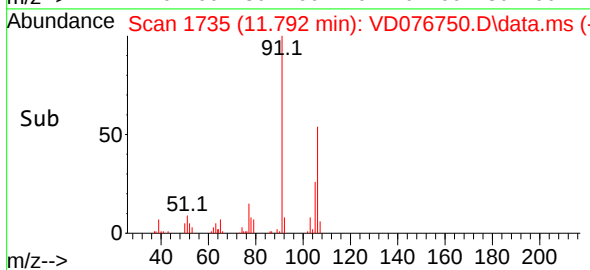
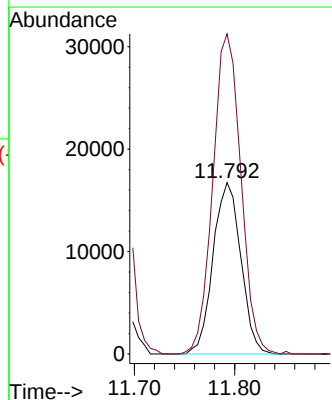
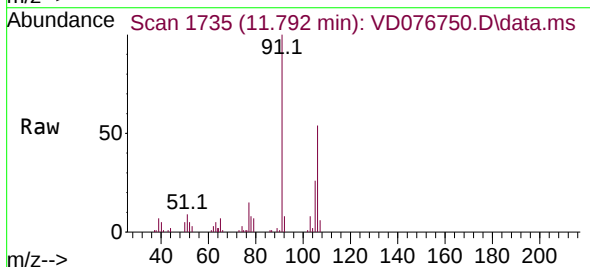
Manual Integrations
APPROVED

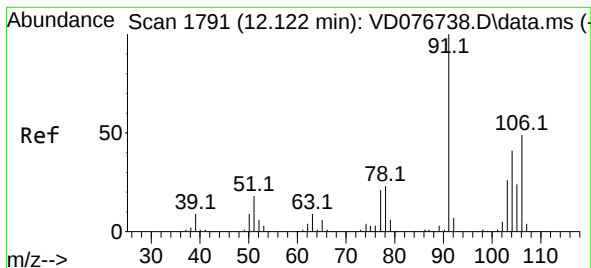
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#68
m/p-Xylenes
Concen: 7.162 ug/l
RT: 11.792 min Scan# 1735
Delta R.T. -0.001 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion:106 Resp: 32173
Ion Ratio Lower Upper
106 100
91 188.5 147.0 220.6





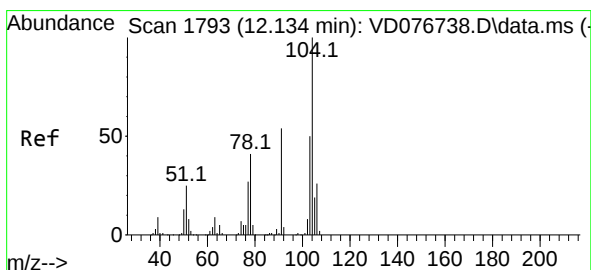
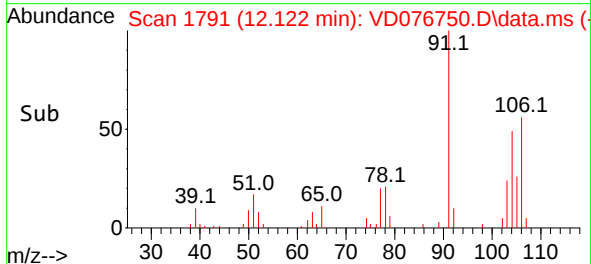
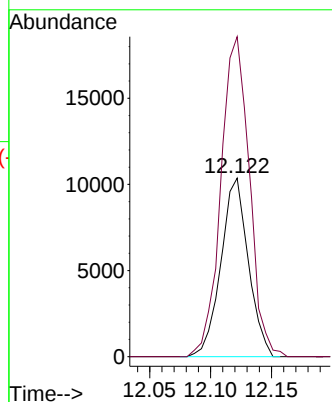
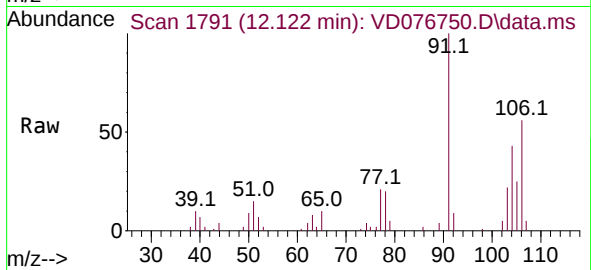
#69
o-Xylene
Concen: 3.740 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:106 Resp: 1624
Ion Ratio Lower Upper
106 100
91 186.3 97.9 293.6

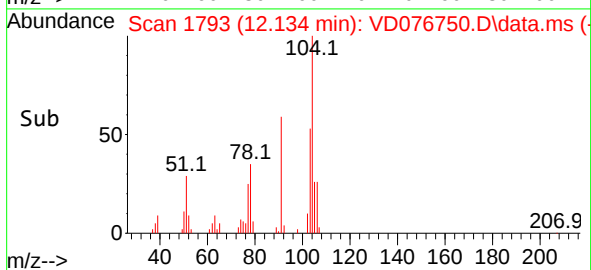
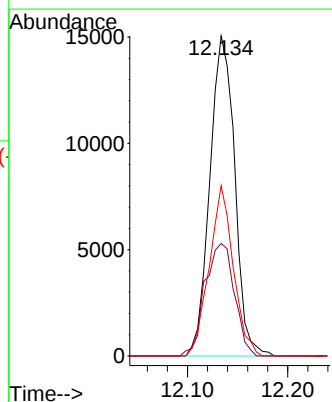
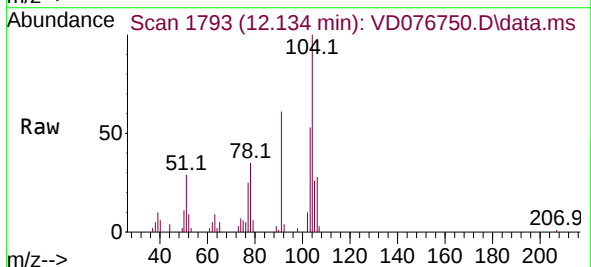
Manual Integrations
APPROVED

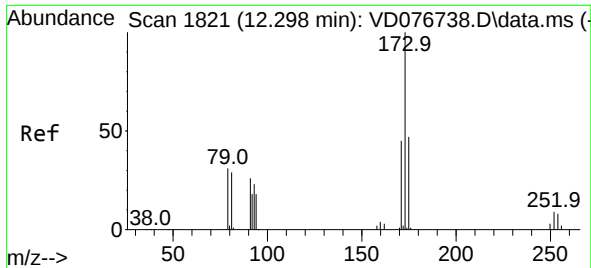
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#70
Styrene
Concen: 3.408 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

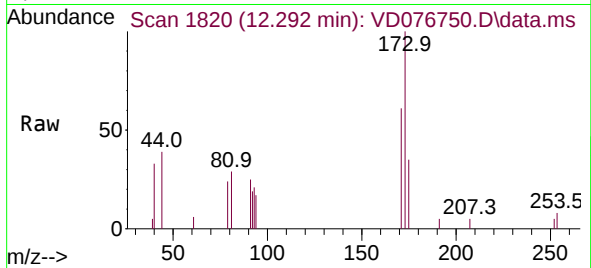
Tgt Ion:104 Resp: 25918
Ion Ratio Lower Upper
104 100
78 41.3 33.2 49.8
103 51.5 43.6 65.4





#71
Bromoform
Concen: 4.110 ug/l
RT: 12.292 min Scan# 1821
Delta R.T. -0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

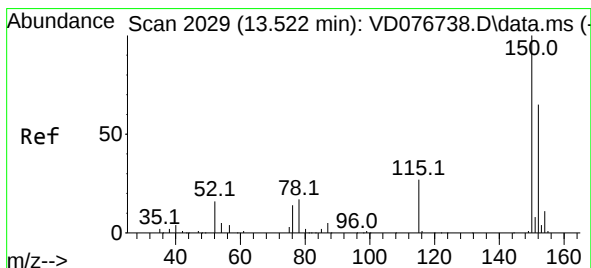
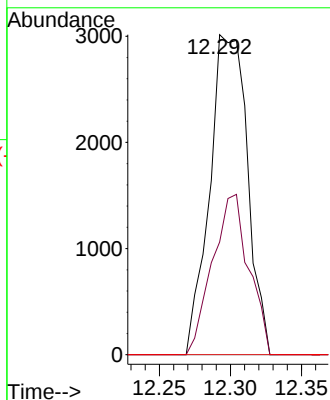
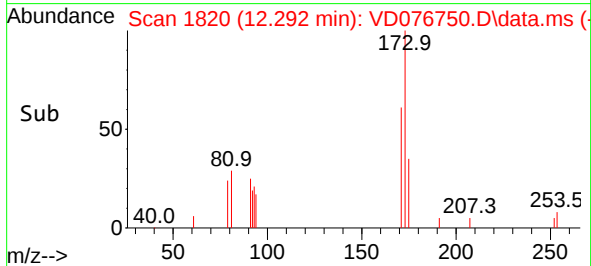
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion:173 Resp: 558
Ion Ratio Lower Upper
173 100
175 48.3 24.6 73.8
254 0.0 0.0 0.0

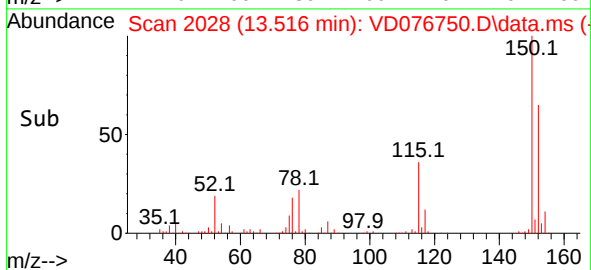
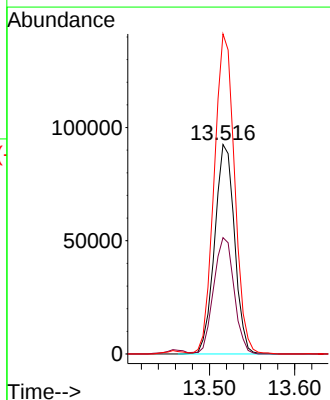
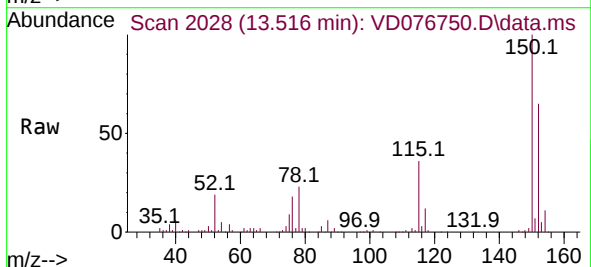
Manual Integrations
APPROVED

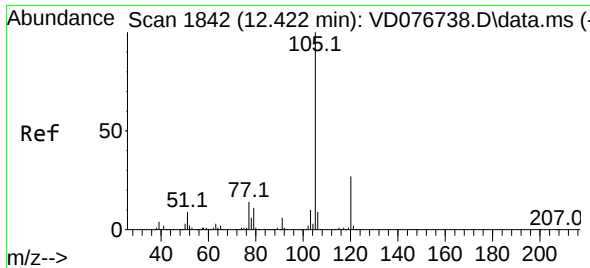
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion:152 Resp: 149978
Ion Ratio Lower Upper
152 100
115 57.2 27.1 81.3
150 156.5 0.0 353.6





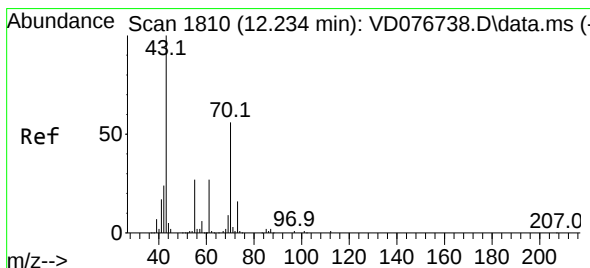
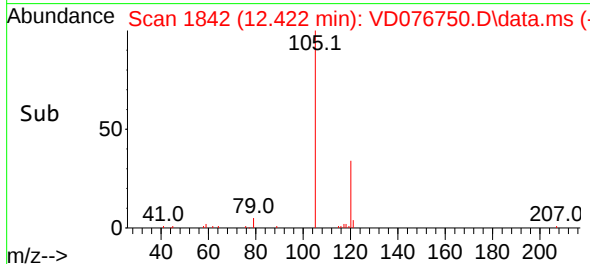
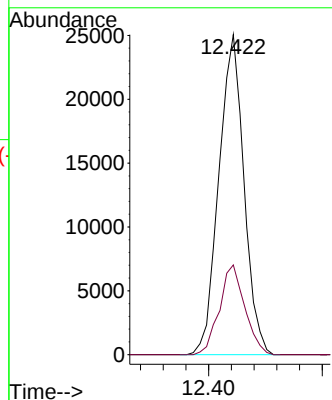
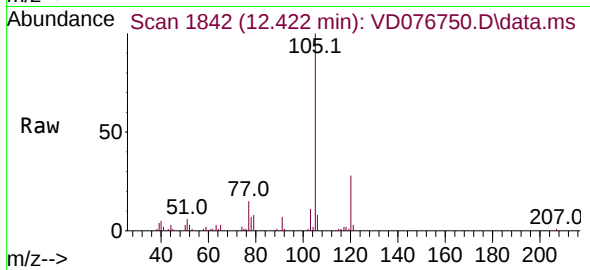
#73
Isopropylbenzene
Concen: 3.534 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Instrument : MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:105 Resp: 38450
Ion Ratio Lower Upper
105 100
120 28.3 14.3 42.9

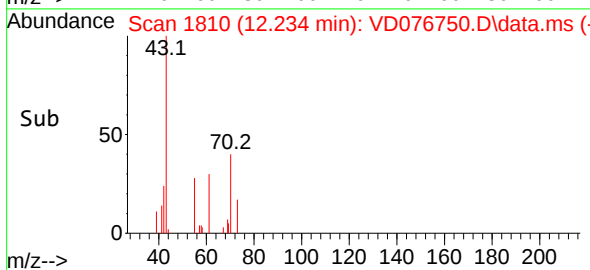
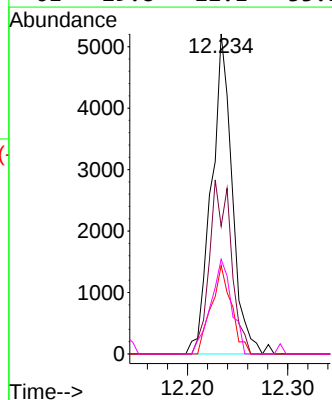
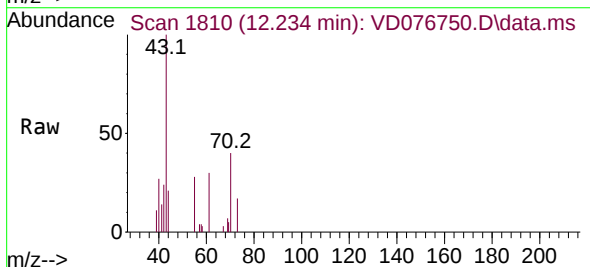
Manual Integrations
APPROVED

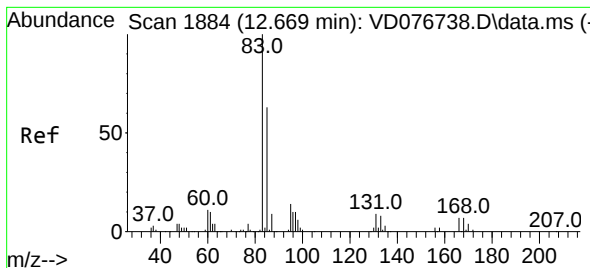
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#74
N-ethyl acetate
Concen: 3.280 ug/l
RT: 12.234 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 43 Resp: 7518
Ion Ratio Lower Upper
43 100
70 56.2 45.0 67.4
55 26.5 23.8 35.6
61 29.8 22.1 33.1





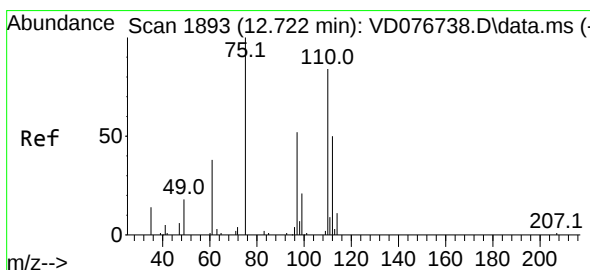
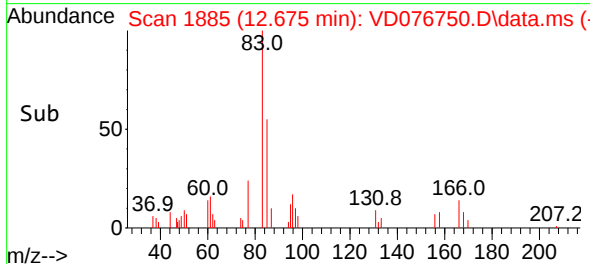
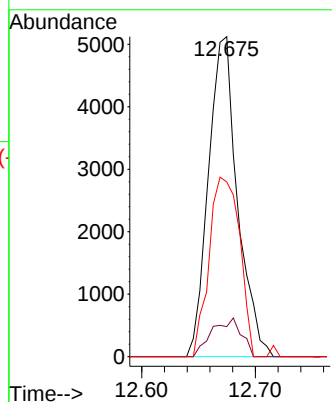
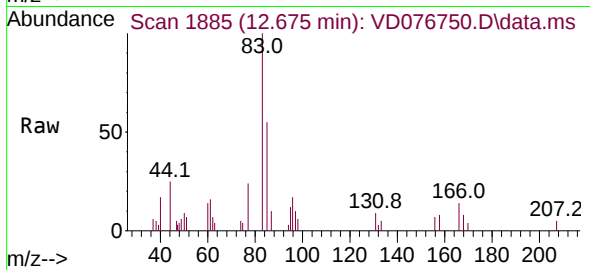
#75
1,1,2,2-Tetrachloroethane
Concen: 3.902 ug/l
RT: 12.675 min Scan# 1885
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Instrument : MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 83 Resp: 9110
Ion Ratio Lower Upper
83 100
131 12.2 5.1 15.3
85 58.7 32.6 97.8

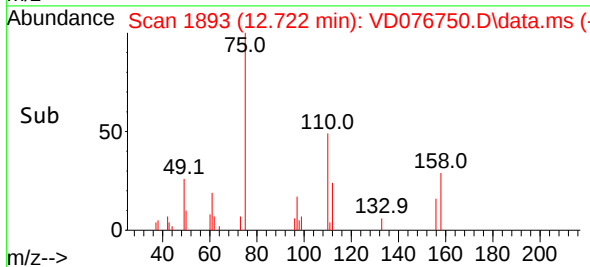
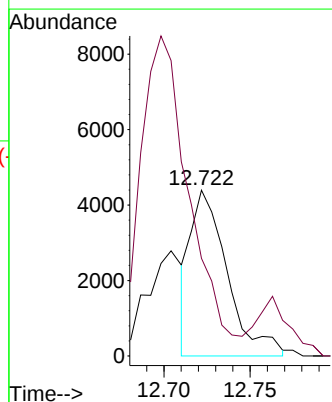
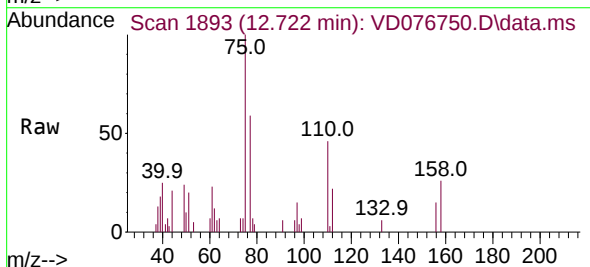
Manual Integrations
APPROVED

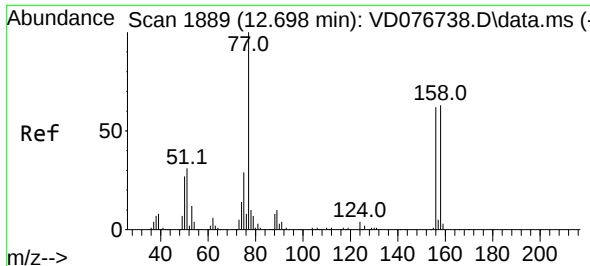
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#76
1,2,3-Trichloropropane
Concen: 4.561 ug/l m
RT: 12.722 min Scan# 1893
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 75 Resp: 6505
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





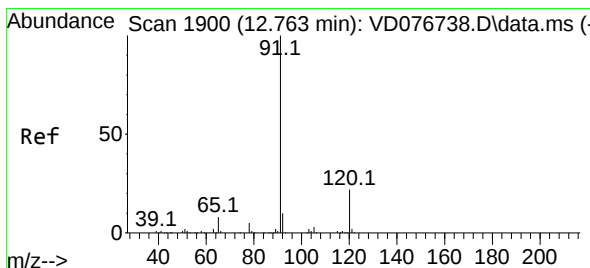
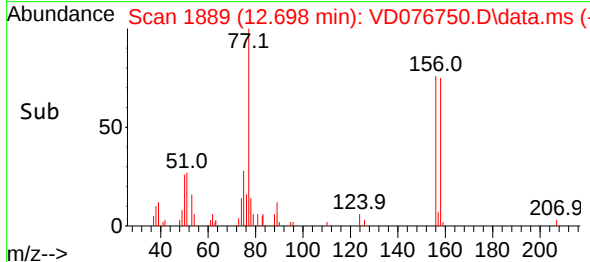
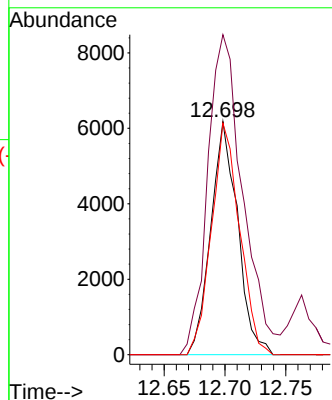
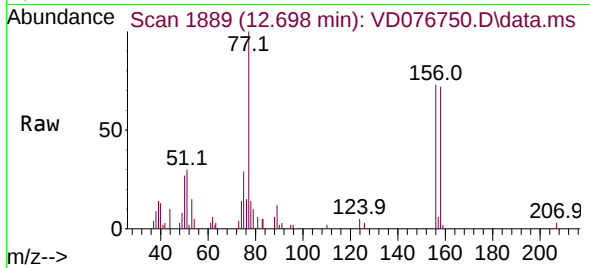
#77
Bromobenzene
Concen: 3.785 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:156 Resp: 950
Ion Ratio Lower Upper
156 100
77 179.4 76.8 230.4
158 103.8 48.6 145.9

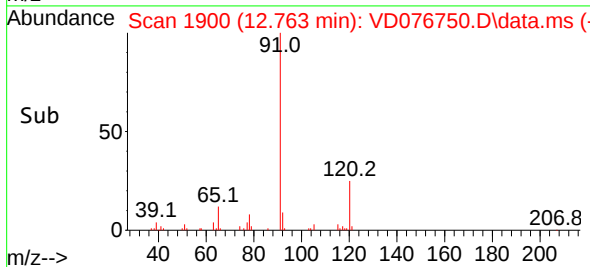
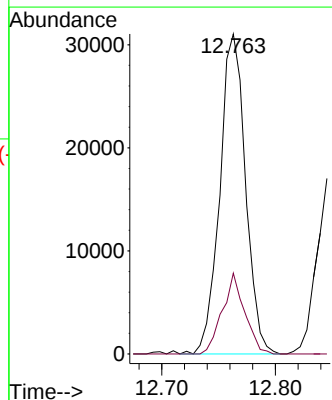
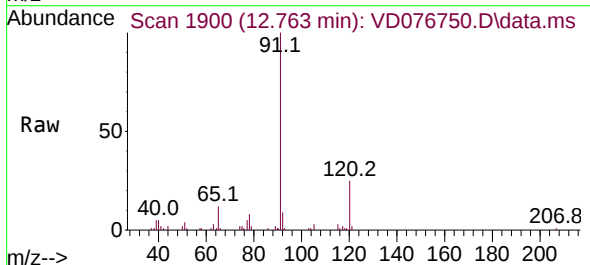
Manual Integrations
APPROVED

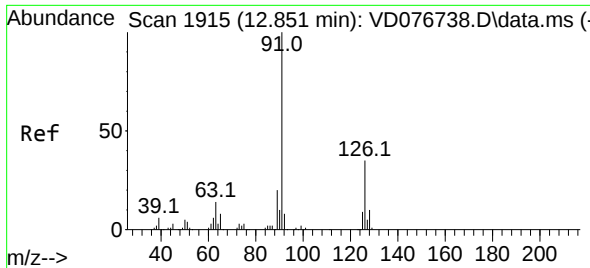
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#78
n-propylbenzene
Concen: 3.697 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 91 Resp: 48765
Ion Ratio Lower Upper
91 100
120 21.9 12.4 37.2





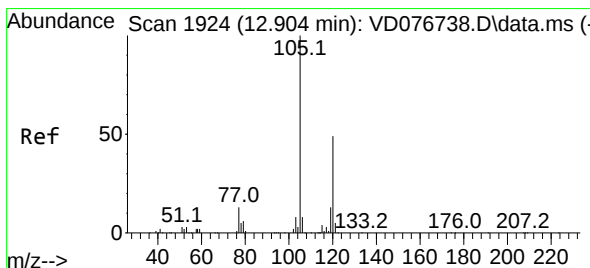
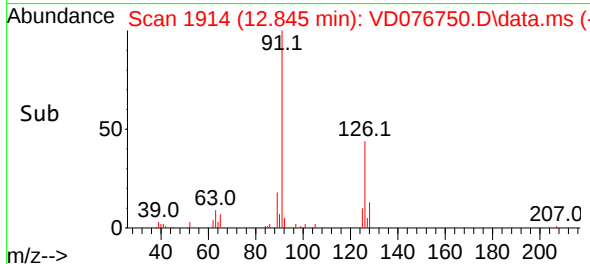
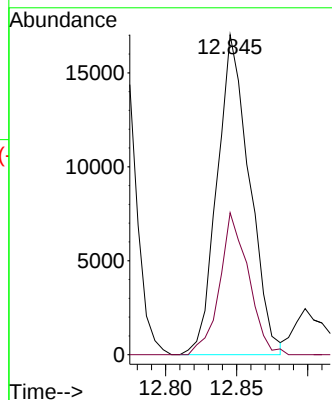
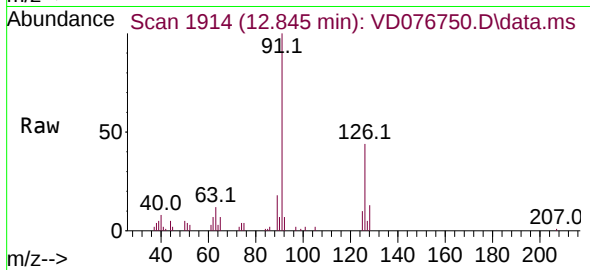
#79
2-Chlorotoluene
Concen: 3.736 ug/l
RT: 12.845 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 91 Resp: 27020
Ion Ratio Lower Upper
91 100
126 39.5 19.4 58.1

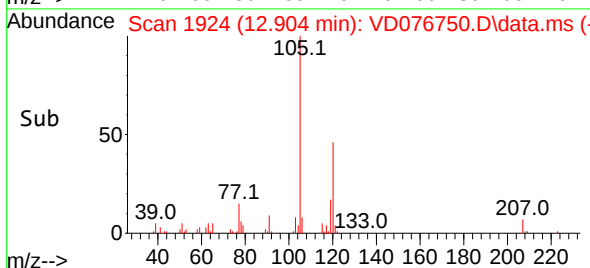
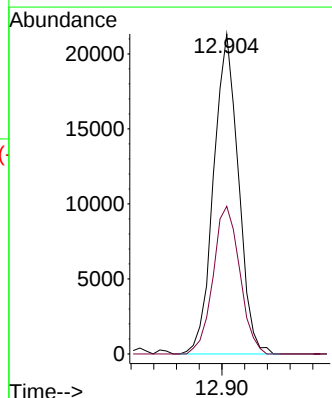
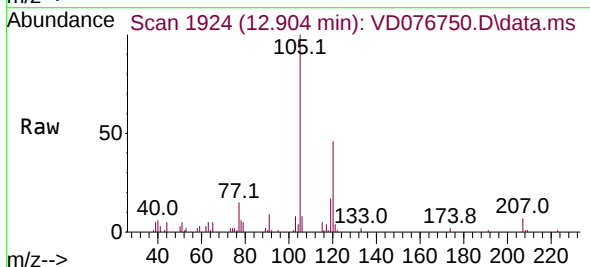
Manual Integrations
APPROVED

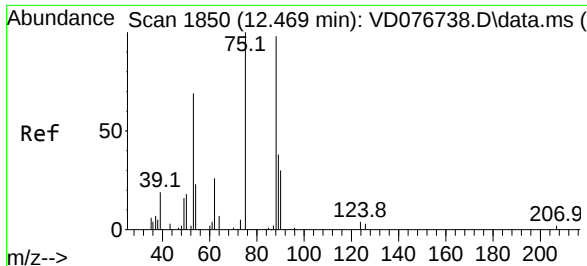
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#80
1,3,5-Trimethylbenzene
Concen: 3.673 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

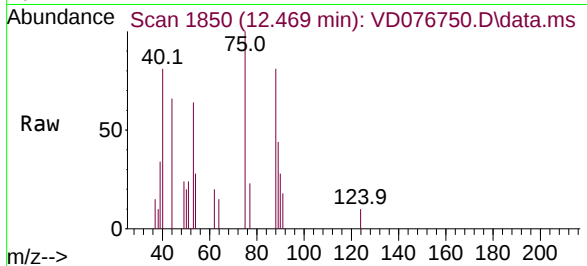
Tgt Ion:105 Resp: 32314
Ion Ratio Lower Upper
105 100
120 49.6 26.4 79.2





#81
trans-1,4-Dichloro-2-butene
Concen: 4.293 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

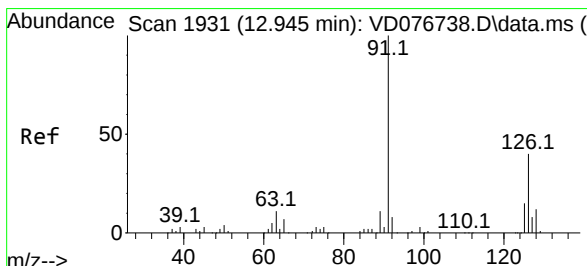
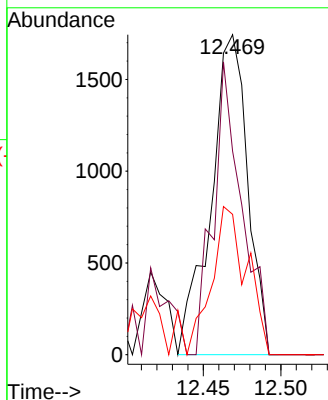
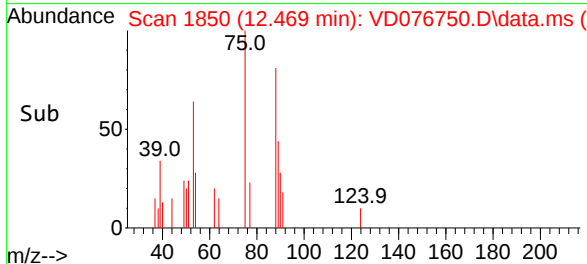
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



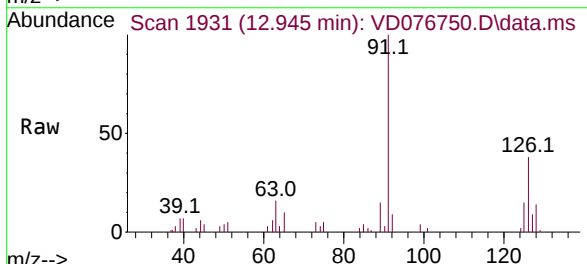
Tgt Ion: 75 Resp: 287
Ion Ratio Lower Upper
75 100
53 70.7 63.0 94.4
89 44.4 37.9 56.9

Manual Integrations
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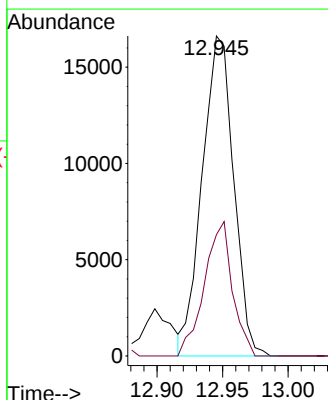
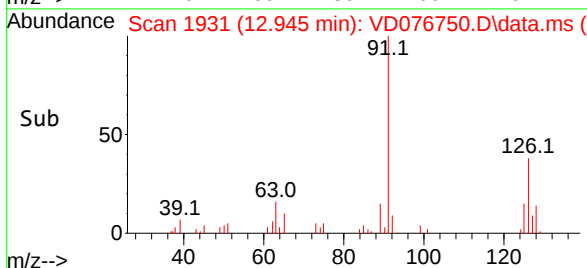
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

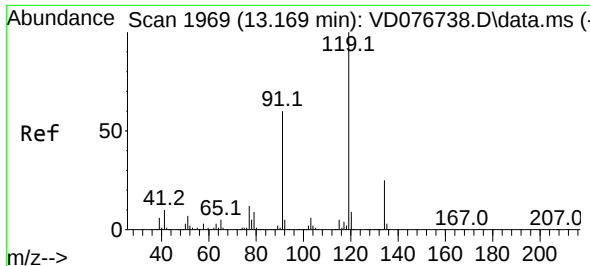


#82
4-Chlorotoluene
Concen: 3.677 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09



Tgt Ion: 91 Resp: 27786
Ion Ratio Lower Upper
91 100
126 37.4 19.4 58.4





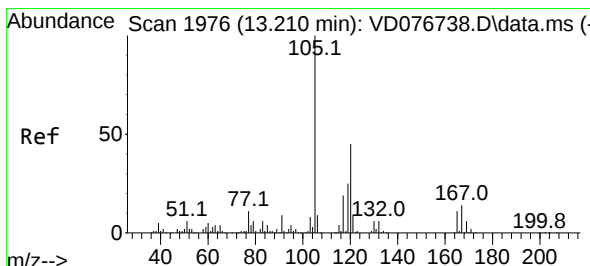
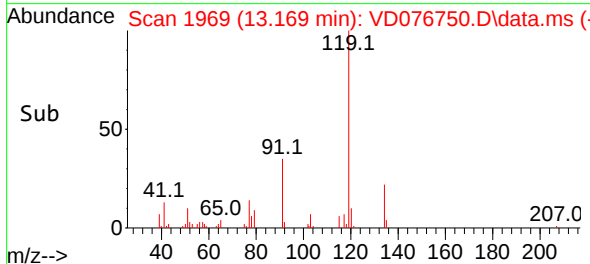
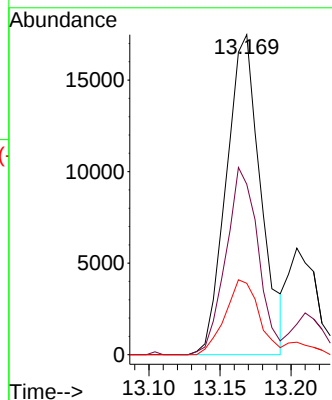
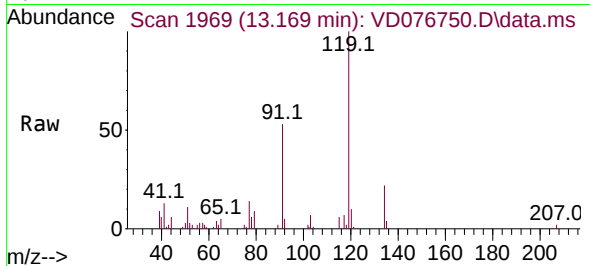
#83
tert-Butylbenzene
Concen: 3.799 ug/l
RT: 13.169 min Scan# 1969
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:119 Resp: 2943
Ion Ratio Lower Upper
119 100
91 55.2 29.3 87.8
134 23.1 14.1 42.3

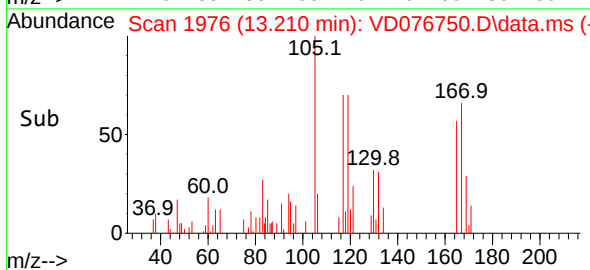
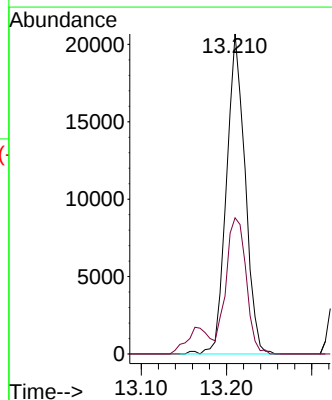
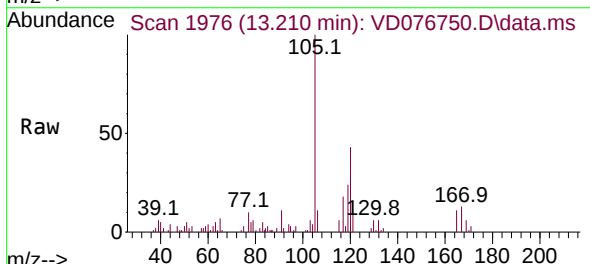
Manual Integrations
APPROVED

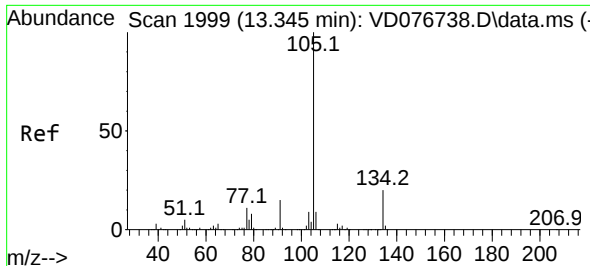
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#84
1,2,4-Trimethylbenzene
Concen: 3.479 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion:105 Resp: 31281
Ion Ratio Lower Upper
105 100
120 45.8 24.3 72.9





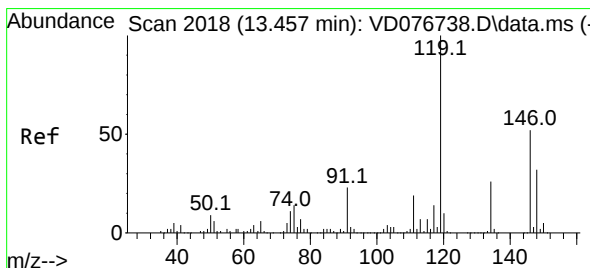
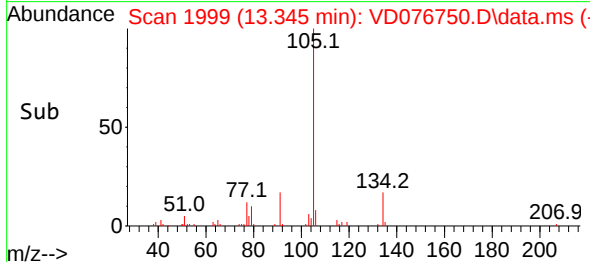
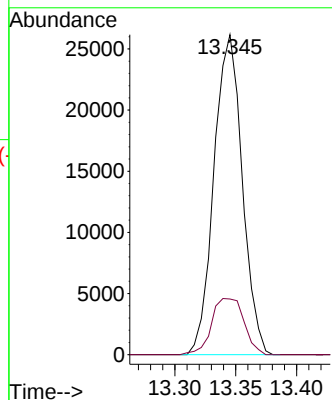
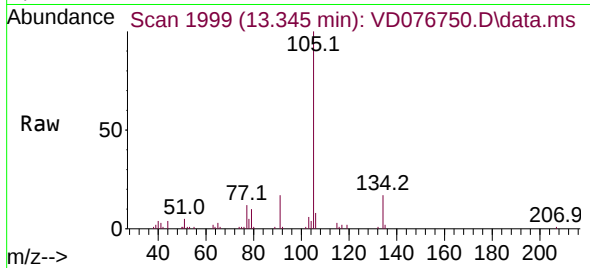
#85
 sec-Butylbenzene
 Concen: 3.574 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VD076750.D
 Acq: 17 Jul 2023 13:09

Instrument : MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:105 Resp: 42304
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.9 32.9

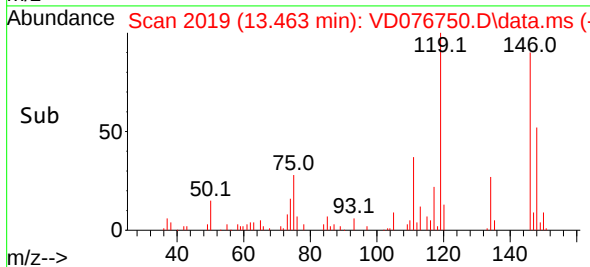
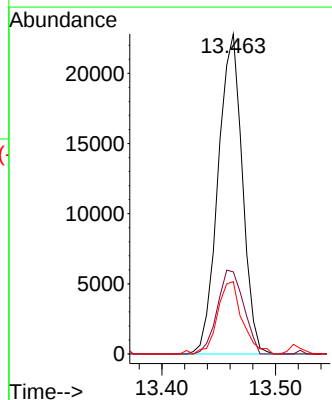
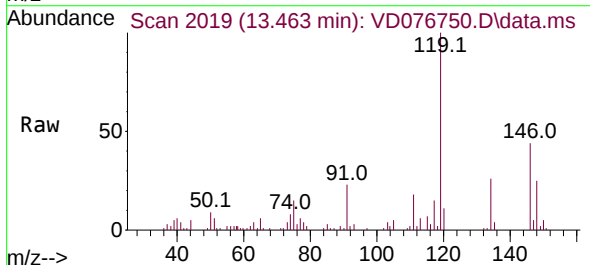
Manual Integrations
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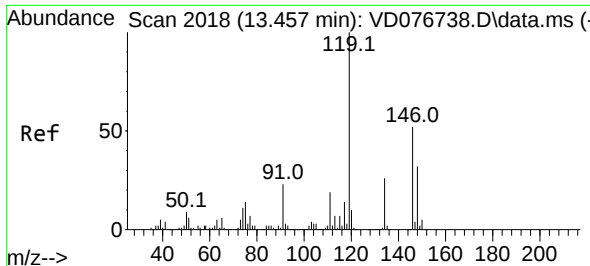
Reviewed By :John Carlone 07/18/2023
 Supervised By :Mahesh Dadoda 07/18/2023



#86
 p-Isopropyltoluene
 Concen: 3.451 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. 0.006 min
 Lab File: VD076750.D
 Acq: 17 Jul 2023 13:09

Tgt Ion:119 Resp: 33737
 Ion Ratio Lower Upper
 119 100
 134 28.4 14.2 42.6
 91 23.3 10.5 31.5





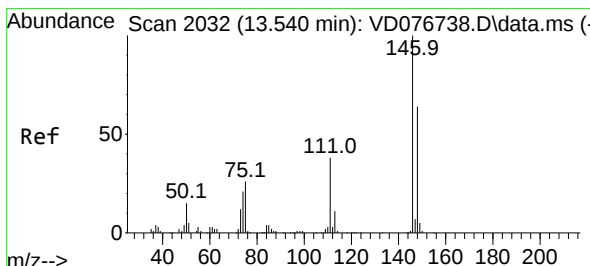
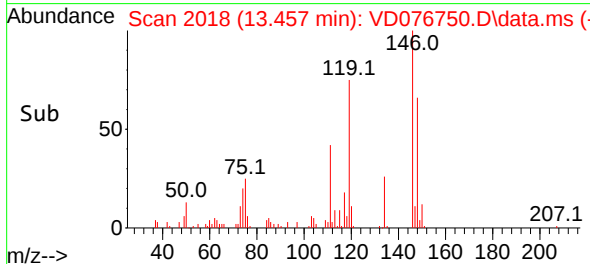
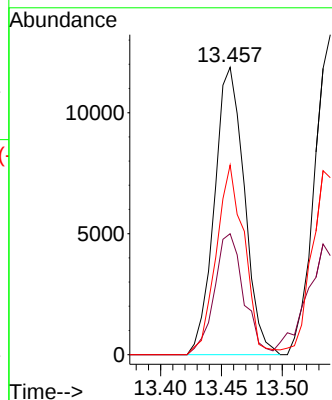
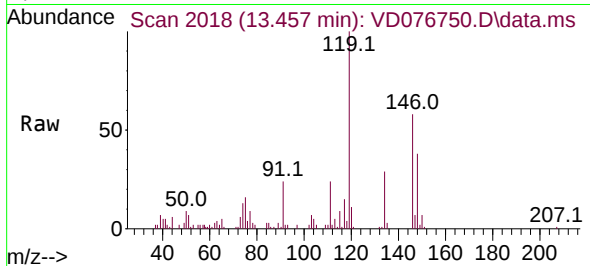
#87
1,3-Dichlorobenzene
Concen: 3.934 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:146 Resp: 2032
Ion Ratio Lower Upper
146 100
111 41.4 17.9 53.8
148 62.2 32.3 96.8

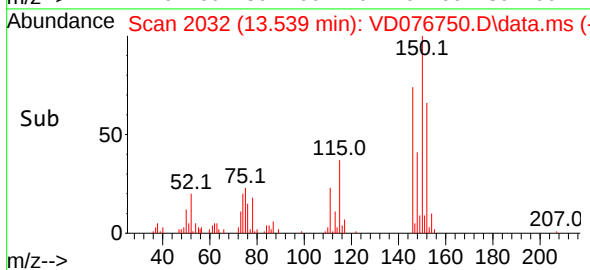
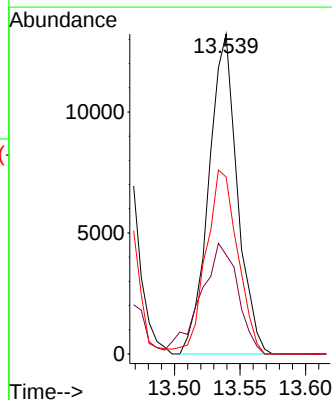
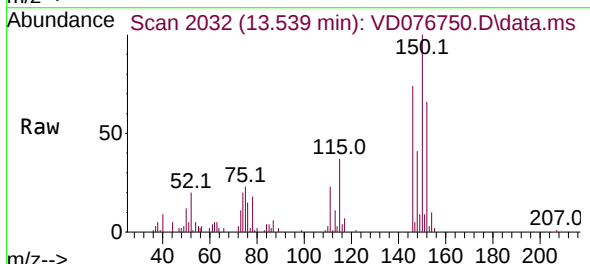
Manual Integrations
APPROVED

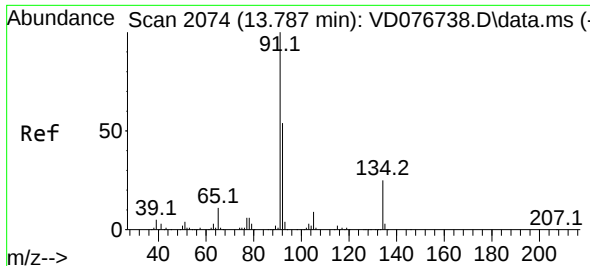
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#88
1,4-Dichlorobenzene
Concen: 3.961 ug/l
RT: 13.539 min Scan# 2032
Delta R.T. -0.001 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion:146 Resp: 20046
Ion Ratio Lower Upper
146 100
111 44.8 17.4 52.3
148 63.4 31.7 95.1





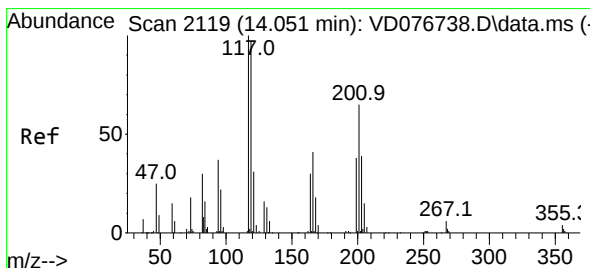
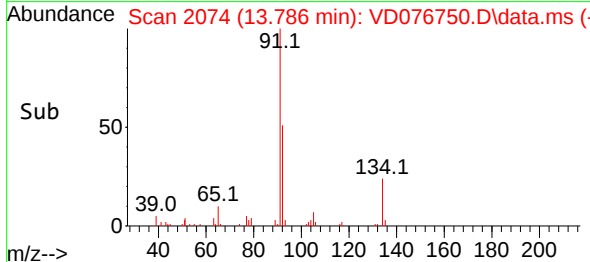
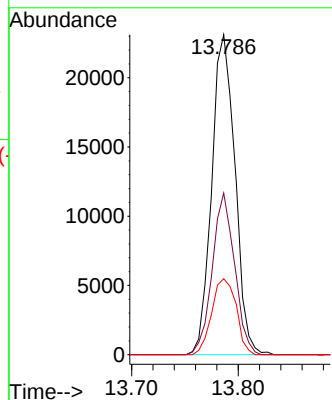
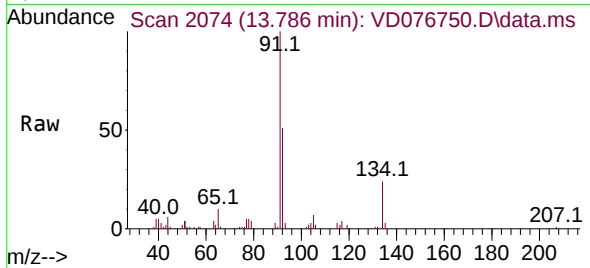
#89
n-Butylbenzene
Concen: 3.667 ug/l
RT: 13.786 min Scan# 2074
Delta R.T. -0.001 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Instrument : MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 91 Resp: 35070
Ion Ratio Lower Upper
91 100
92 48.5 26.5 79.5
134 24.9 13.8 41.3

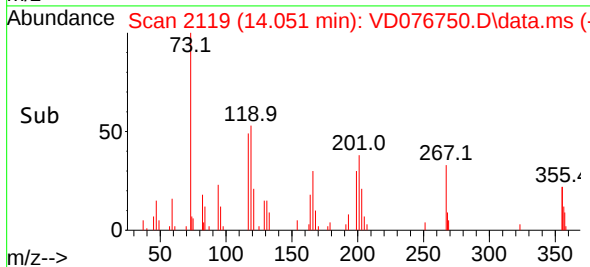
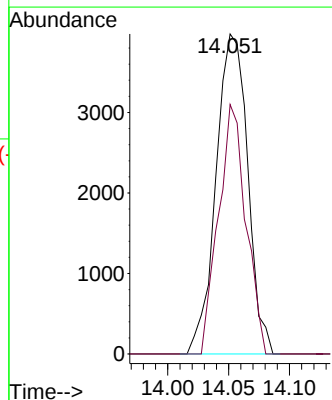
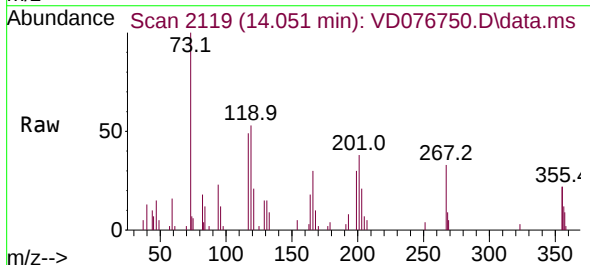
Manual Integrations
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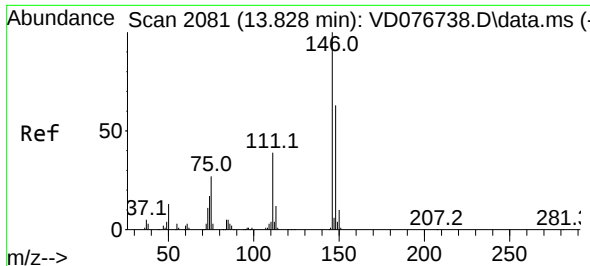
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#90
Hexachloroethane
Concen: 3.985 ug/l
RT: 14.051 min Scan# 2119
Delta R.T. 0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion:117 Resp: 7201
Ion Ratio Lower Upper
117 100
201 67.4 38.5 115.5





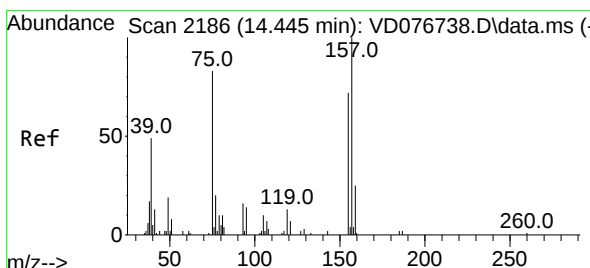
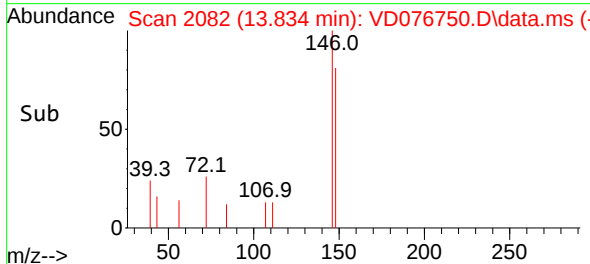
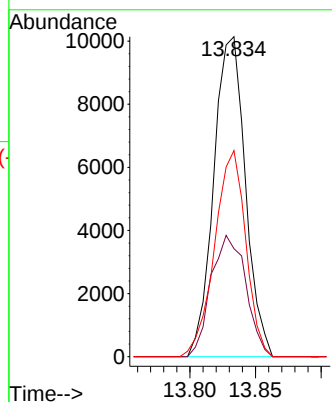
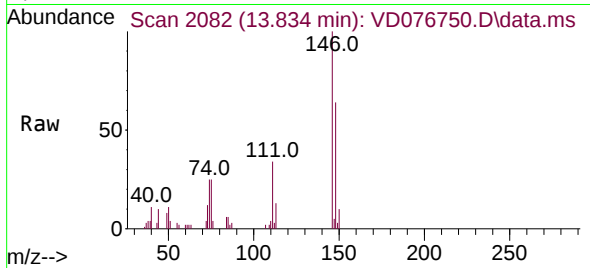
#91
1,2-Dichlorobenzene
Concen: 3.734 ug/l
RT: 13.834 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:146 Resp: 1699
Ion Ratio Lower Upper
146 100
111 41.7 18.3 54.8
148 63.3 31.6 94.7

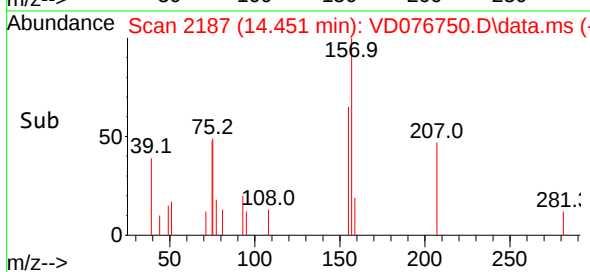
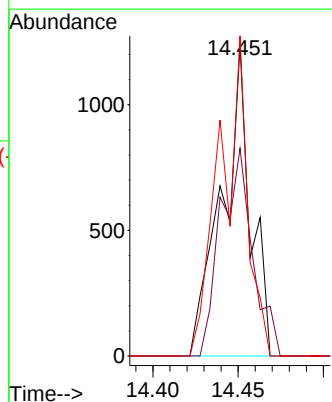
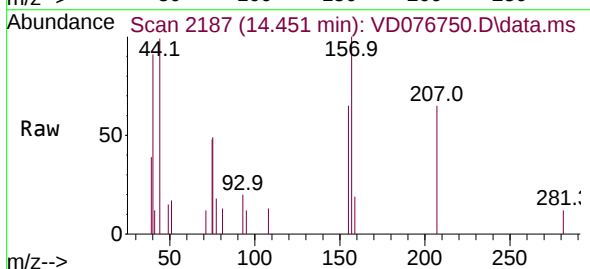
Manual Integrations
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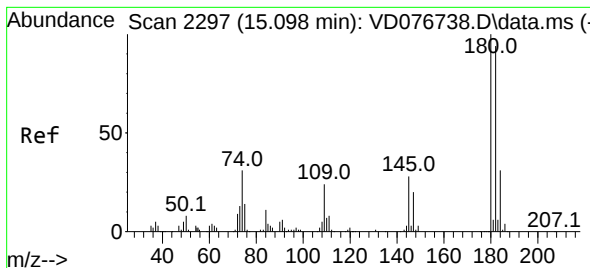
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.311 ug/l
RT: 14.451 min Scan# 2187
Delta R.T. 0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

Tgt Ion: 75 Resp: 1436
Ion Ratio Lower Upper
75 100
155 74.9 47.9 143.8
157 99.0 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 3.928 ug/l

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD076750.D

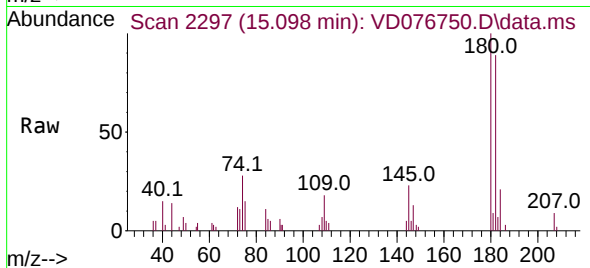
Acq: 17 Jul 2023 13:09

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023



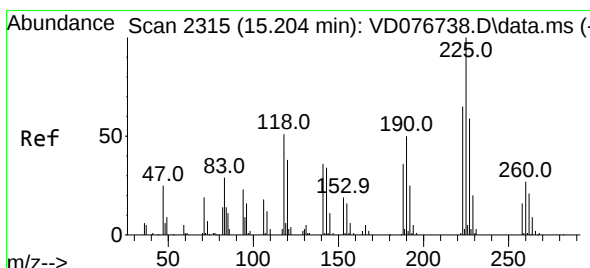
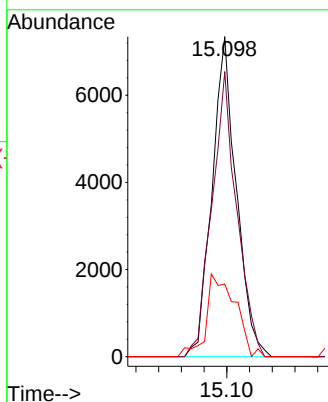
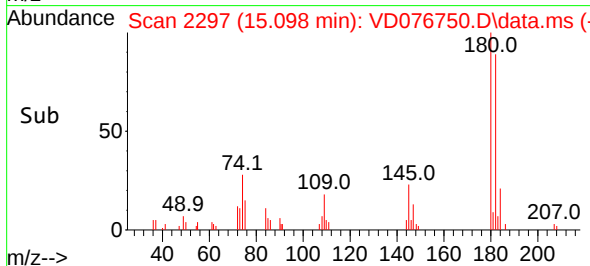
Tgt Ion:	180	Resp:	1091
Ion Ratio	Lower	Upper	
180	100		
182	91.1	48.5	145.6
145	30.6	14.2	42.6

Manual Integrations

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Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#94

Hexachlorobutadiene

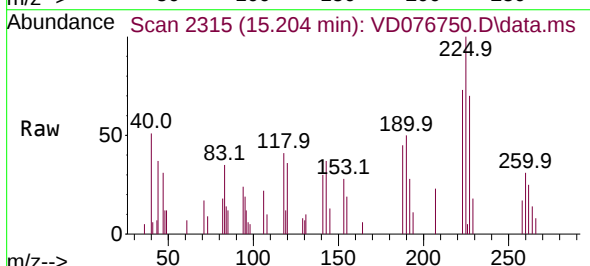
Concen: 4.069 ug/l

RT: 15.204 min Scan# 2315

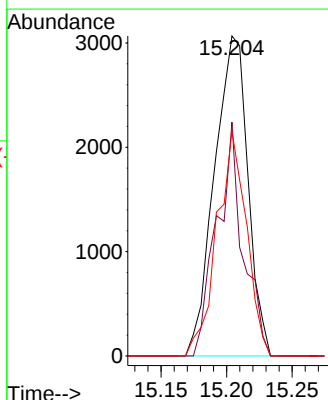
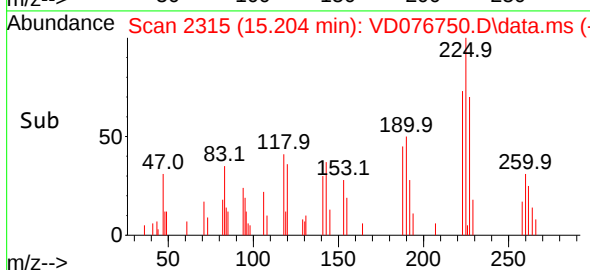
Delta R.T. 0.000 min

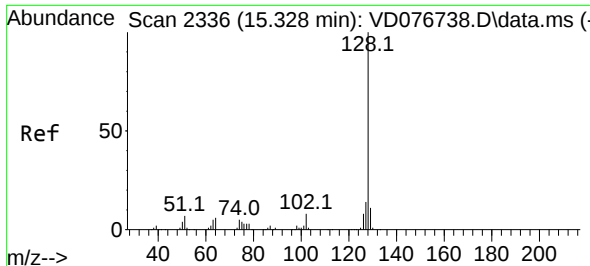
Lab File: VD076750.D

Acq: 17 Jul 2023 13:09



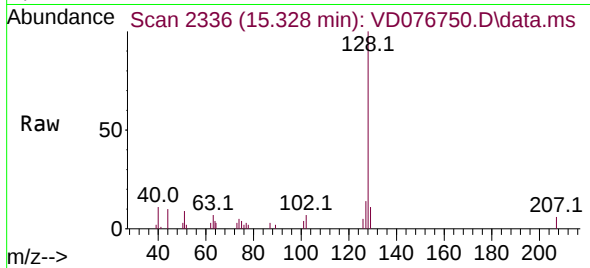
Tgt Ion:	225	Resp:	5438
Ion Ratio	Lower	Upper	
225	100		
223	57.3	31.6	94.8
227	62.1	31.7	95.1





#95
Naphthalene
Concen: 3.446 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09

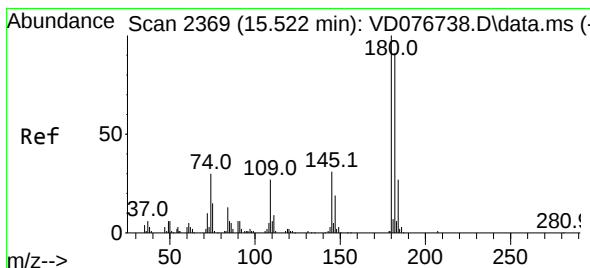
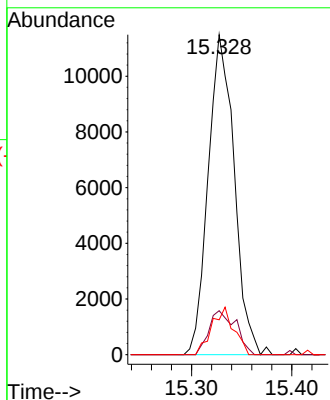
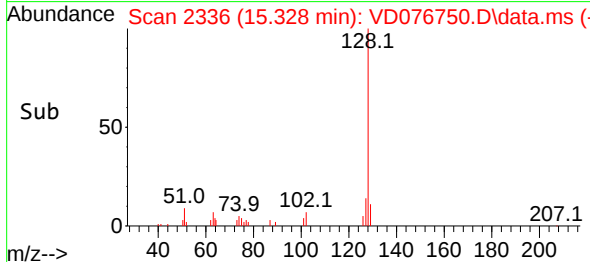
Instrument : MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



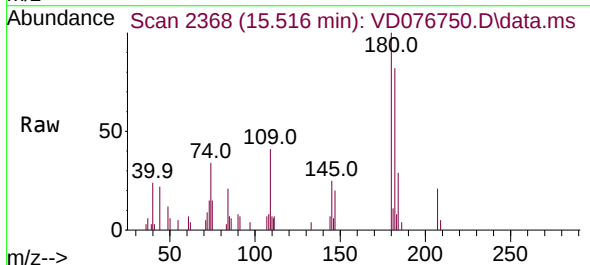
Tgt Ion:128 Resp: 20734
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 10.9 8.7 13.1

Manual Integrations
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Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#96
1,2,3-Trichlorobenzene
Concen: 3.867 ug/l
RT: 15.516 min Scan# 2368
Delta R.T. -0.006 min
Lab File: VD076750.D
Acq: 17 Jul 2023 13:09



Tgt Ion:180 Resp: 9643
Ion Ratio Lower Upper
180 100
182 92.1 47.3 141.9
145 35.3 15.1 45.3

