

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
 Data File : VY016024.D
 Acq On : 18 Oct 2023 16:54
 Operator : SY/MD
 Sample : 04699-01 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

Quant Time: Oct 19 04:40:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 04:37:27 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/19/2023
 Supervised By : Semsettin Yesilyurt 10/20/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	199198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	324410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	294761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	147371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	121383	53.614	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.220%	
35) Dibromofluoromethane	7.716	113	108588	50.854	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.700%	
50) Toluene-d8	10.179	98	386568	49.847	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.700%	
62) 4-Bromofluorobenzene	12.483	95	135133	48.835	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.680%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	3521	2.139	ug/l	96
3) Chloromethane	2.107	50	5024	2.417	ug/l	99
4) Vinyl Chloride	2.247	62	5337	2.288	ug/l	99
5) Bromomethane	2.656	94	4108	2.414	ug/l	94
6) Chloroethane	2.790	64	3396	2.264	ug/l	91
7) Trichlorofluoromethane	3.119	101	8654	2.437	ug/l	93
8) Diethyl Ether	3.527	74	3085	2.459	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.881	101	4507	2.207	ug/l	96
10) Methyl Iodide	4.082	142	6069	2.276	ug/l	96
11) Tert butyl alcohol	5.052	59	3121m	8.930	ug/l	
12) 1,1-Dichloroethene	3.863	96	4148	2.171	ug/l	87
13) Acrolein	3.741	56	4919	16.340	ug/l	98
14) Allyl chloride	4.472	41	6628	2.218	ug/l	92
15) Acrylonitrile	5.180	53	11362	15.183	ug/l	95
16) Acetone	3.979	43	13635	16.247	ug/l #	84
17) Carbon Disulfide	4.186	76	12177	2.175	ug/l	100
18) Methyl Acetate	4.485	43	8892	3.078	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	13669	2.217	ug/l	96
20) Methylene Chloride	4.716	84	32590	13.072	ug/l	88
21) trans-1,2-Dichloroethene	5.216	96	4858	2.183	ug/l	87
22) Diisopropyl ether	6.118	45	14009	2.153	ug/l #	93
23) Vinyl Acetate	6.064	43	45840	11.357	ug/l #	91
24) 1,1-Dichloroethane	6.015	63	8254	2.138	ug/l	98
25) 2-Butanone	7.002	43	17014	14.801	ug/l	100
26) 2,2-Dichloropropane	6.984	77	7523	2.166	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	5640	2.201	ug/l	91
28) Bromochloromethane	7.332	49	4257	2.579	ug/l #	93
29) Tetrahydrofuran	7.362	42	10927	15.704	ug/l	93
30) Chloroform	7.502	83	9430	2.278	ug/l	99
31) Cyclohexane	7.783	56	11124	3.139	ug/l #	57
32) 1,1,1-Trichloroethane	7.704	97	8034	2.170	ug/l	100
36) 1,1-Dichloropropene	7.923	75	6665	2.075	ug/l	99
37) Ethyl Acetate	7.076	43	8419	3.636	ug/l #	89
38) Carbon Tetrachloride	7.899	117	7666	2.245	ug/l #	90
39) Methylcyclohexane	9.185	83	7930	1.975	ug/l	95
40) Benzene	8.161	78	19317	2.133	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	2633m	2.192	ug/l	
42) 1,2-Dichloroethane	8.234	62	7085	2.429	ug/l	91
43) Isopropyl Acetate	8.277	43	10551	2.606	ug/l	98
44) Trichloroethene	8.941	130	5697	2.244	ug/l	93
45) 1,2-Dichloropropane	9.222	63	4690	2.070	ug/l	91
46) Dibromomethane	9.307	93	3664	2.436	ug/l	98
47) Bromodichloromethane	9.502	83	7203	2.185	ug/l	96
48) Methyl methacrylate	9.295	41	4232	2.296	ug/l #	87
49) 1,4-Dioxane	9.350	88	1620	67.630	ug/l #	51
51) 4-Methyl-2-Pentanone	10.075	43	31637	13.589	ug/l	93
52) Toluene	10.246	92	12661	2.156	ug/l	93
53) t-1,3-Dichloropropene	10.465	75	7335	2.054	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	7864	2.020	ug/l #	92
55) 1,1,2-Trichloroethane	10.648	97	5244	2.537	ug/l	95
56) Ethyl methacrylate	10.514	69	6437	2.131	ug/l	93
57) 1,3-Dichloropropane	10.794	76	8504	2.426	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	16368	11.283	ug/l	91
59) 2-Hexanone	10.837	43	25758	14.541	ug/l	94
60) Dibromochloromethane	10.983	129	5536	2.215	ug/l	92
61) 1,2-Dibromoethane	11.093	107	5020	2.387	ug/l	97
64) Tetrachloroethene	10.727	164	5201	2.276	ug/l	95
65) Chlorobenzene	11.520	112	13974	2.189	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	5110	2.124	ug/l	94
67) Ethyl Benzene	11.593	91	23448	2.076	ug/l	96
68) m/p-Xylenes	11.703	106	18113	4.112	ug/l	95
69) o-Xylene	12.032	106	8420	2.009	ug/l	98
70) Styrene	12.044	104	13605	1.905	ug/l	99
71) Bromoform	12.209	173	3783	2.234	ug/l #	99
73) Isopropylbenzene	12.331	105	21801	1.978	ug/l	99
74) N-amyl acetate	12.148	43	7533	2.163	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	7030	2.546	ug/l	92
76) 1,2,3-Trichloropropane	12.636	75	6303m	3.021	ug/l	
77) Bromobenzene	12.611	156	6042	2.258	ug/l	93
78) n-propylbenzene	12.672	91	27346	2.059	ug/l	99
79) 2-Chlorotoluene	12.757	91	16127	2.164	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	18166	1.989	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.380	75	2310	2.417	ug/l	94
82) 4-Chlorotoluene	12.855	91	16704	2.148	ug/l	97
83) tert-Butylbenzene	13.081	119	16375	2.045	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	18099	1.996	ug/l	98
85) sec-Butylbenzene	13.257	105	24037	2.010	ug/l	100
86) p-Isopropyltoluene	13.373	119	18768	1.878	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	11839	2.274	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	12271	2.341	ug/l	91
89) n-Butylbenzene	13.702	91	18858	2.027	ug/l	95
90) Hexachloroethane	13.965	117	4010	2.105	ug/l	96
91) 1,2-Dichlorobenzene	13.745	146	10914	2.283	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1591	3.027	ug/l	88
93) 1,2,4-Trichlorobenzene	15.013	180	7299	2.397	ug/l	99
94) Hexachlorobutadiene	15.117	225	3761	2.274	ug/l	96
95) Naphthalene	15.239	128	20125	2.693	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	7034	2.529	ug/l	98

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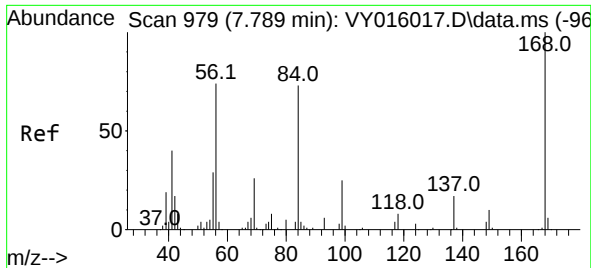
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

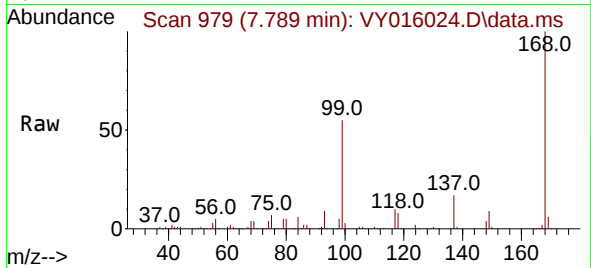
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY016024.D
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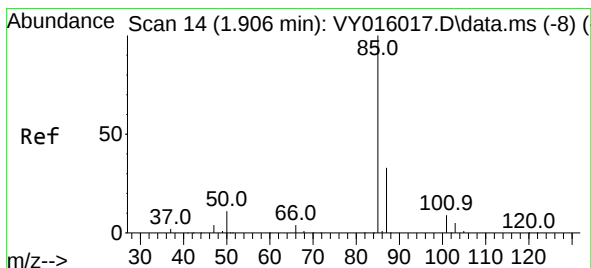
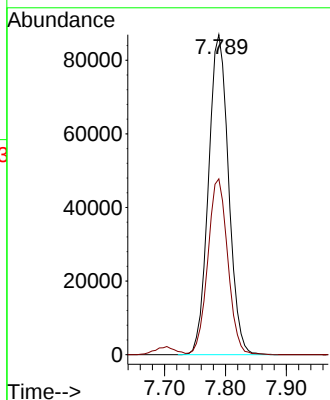
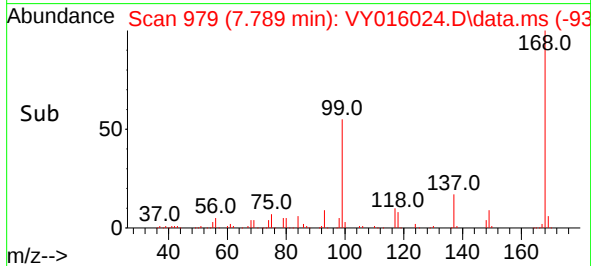
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Tgt Ion:168 Resp: 199198
Ion Ratio Lower Upper
168 100
99 54.9 43.4 65.0

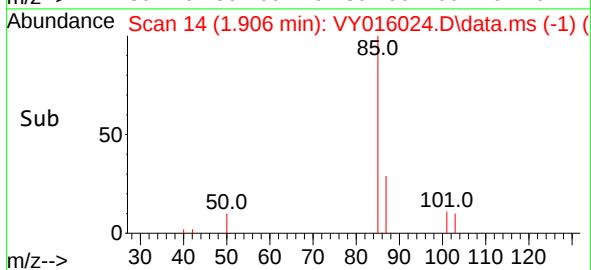
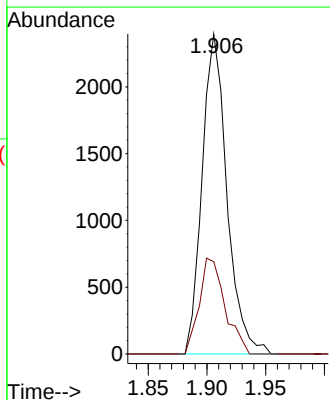
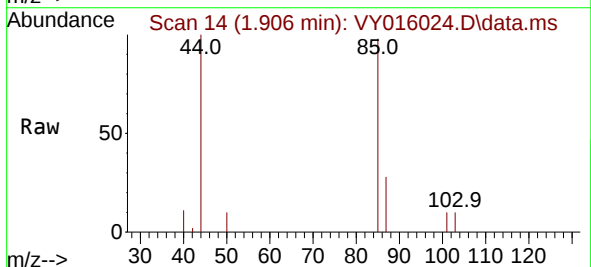
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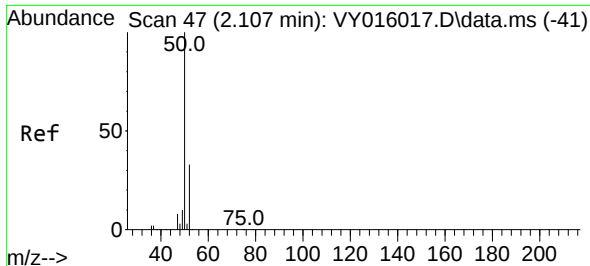
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#2
Dichlorodifluoromethane
Concen: 2.139 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

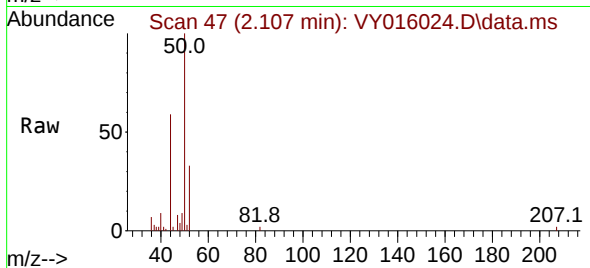
Tgt Ion: 85 Resp: 3521
Ion Ratio Lower Upper
85 100
87 28.8 15.6 46.8





#3
Chloromethane
Concen: 2.417 ug/l
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

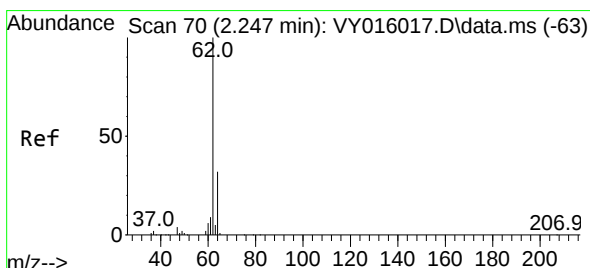
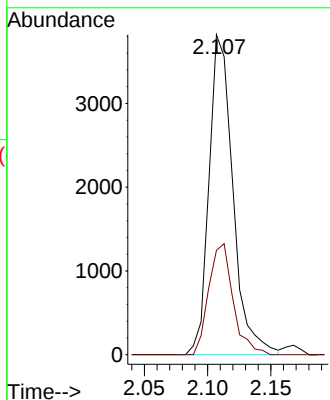
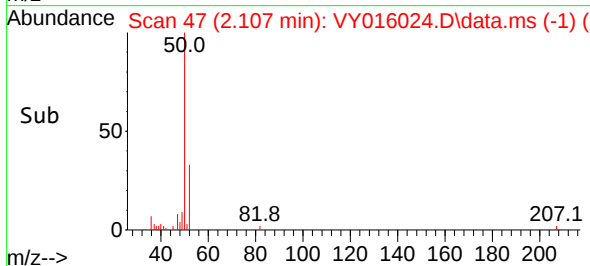
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Tgt Ion: 50 Resp: 5024
Ion Ratio Lower Upper
50 100
52 32.6 25.4 38.2

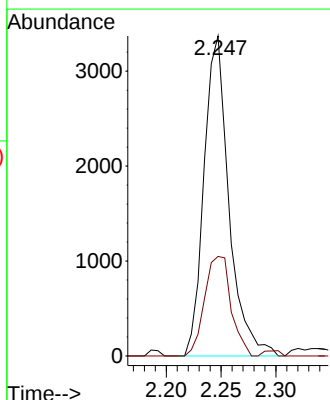
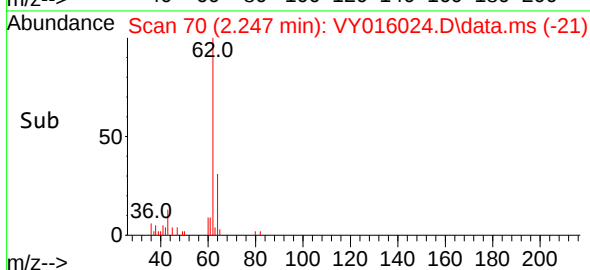
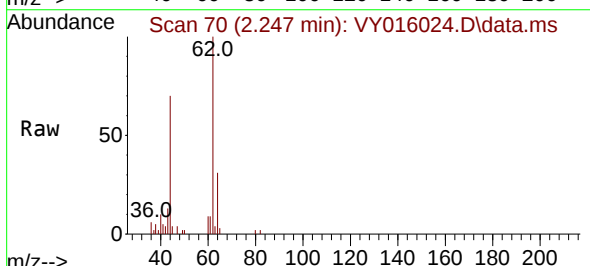
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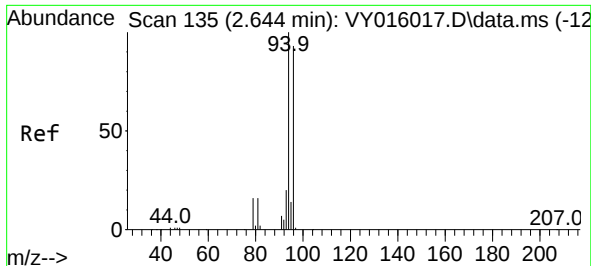
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#4
Vinyl Chloride
Concen: 2.288 ug/l
RT: 2.247 min Scan# 70
Delta R.T. -0.000 min
Lab File: VY016024.D
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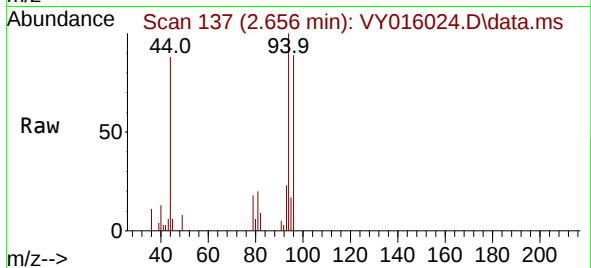
Tgt Ion: 62 Resp: 5337
Ion Ratio Lower Upper
62 100
64 31.1 24.3 36.5





#5
Bromomethane
Concen: 2.414 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

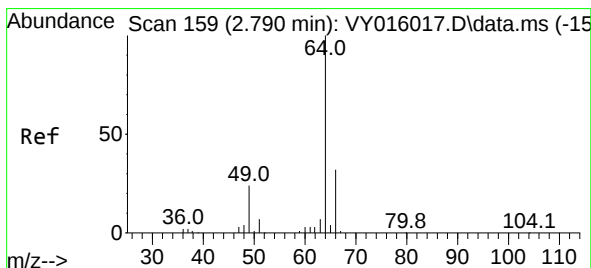
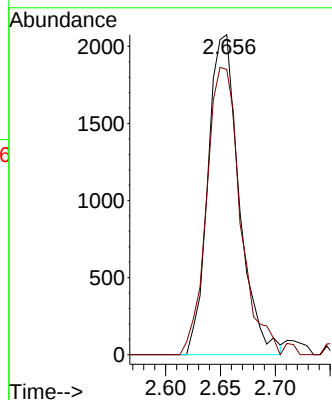
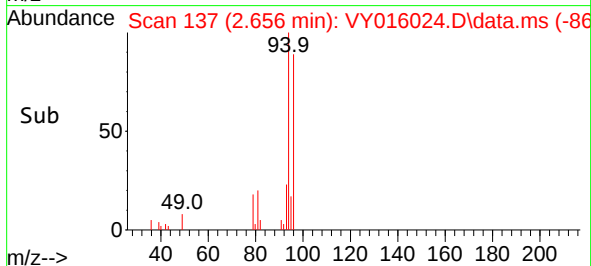
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Tgt Ion: 94 Resp: 4108
Ion Ratio Lower Upper
94 100
96 89.2 75.8 113.6

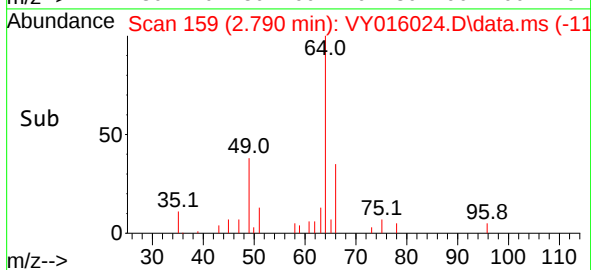
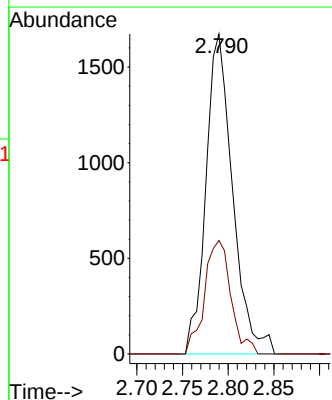
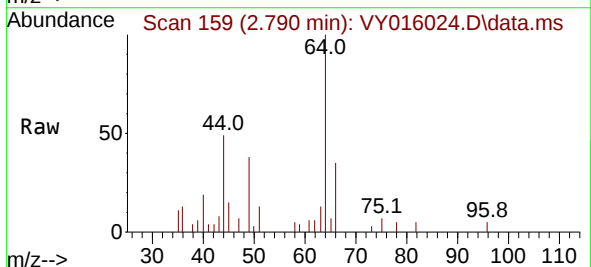
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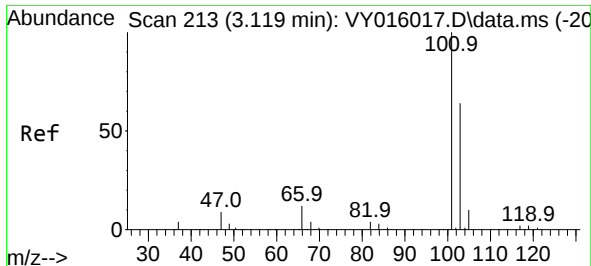
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#6
Chloroethane
Concen: 2.264 ug/l
RT: 2.790 min Scan# 159
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

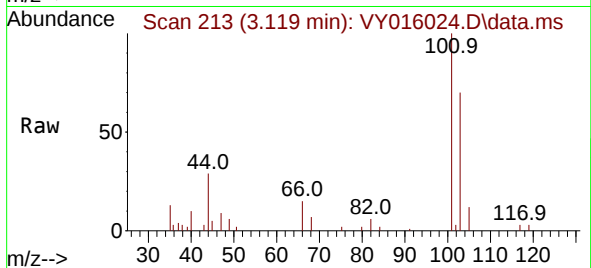
Tgt Ion: 64 Resp: 3396
Ion Ratio Lower Upper
64 100
66 35.4 24.4 36.6





#7
Trichlorofluoromethane
Concen: 2.437 ug/l
RT: 3.119 min Scan# 213
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

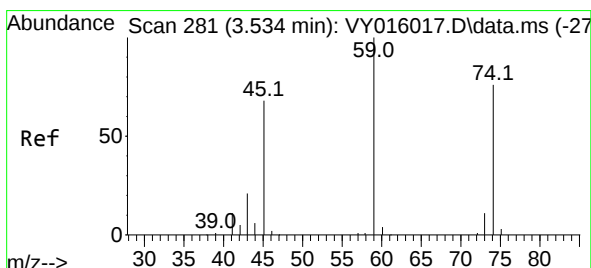
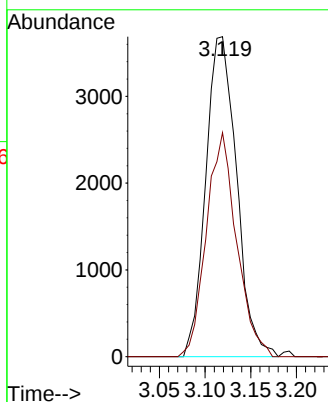
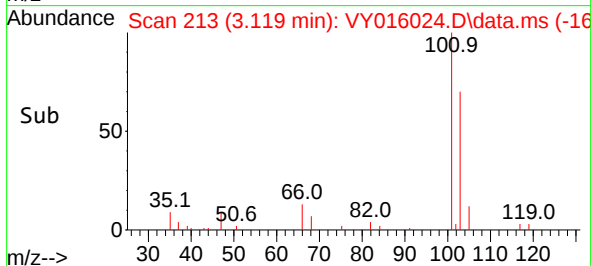
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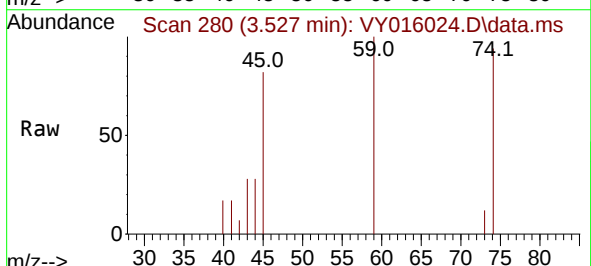
Tgt Ion:101 Resp: 8654
Ion Ratio Lower Upper
101 100
103 70.0 51.4 77.0

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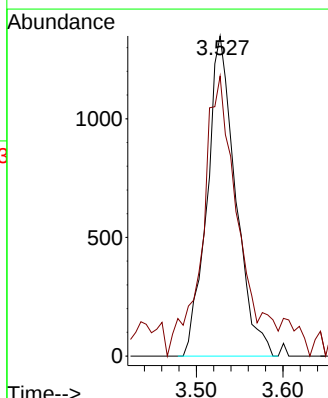
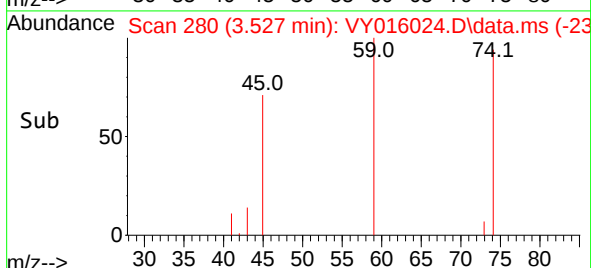
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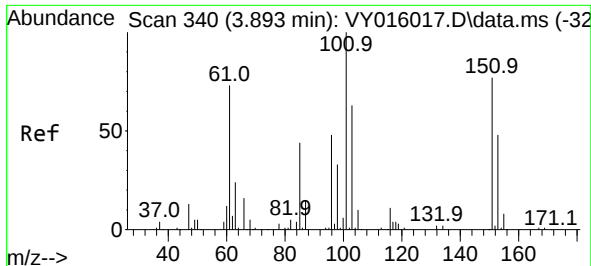


#8
Diethyl Ether
Concen: 2.459 ug/l
RT: 3.527 min Scan# 280
Delta R.T. -0.006 min
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Tgt Ion: 74 Resp: 3085
Ion Ratio Lower Upper
74 100
45 109.3 51.5 154.5





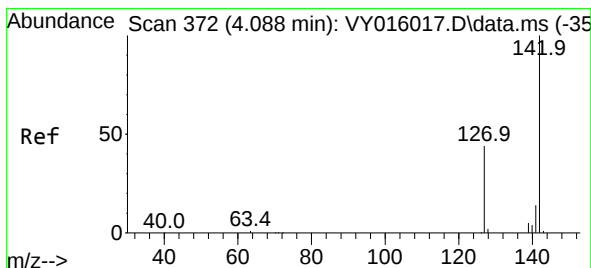
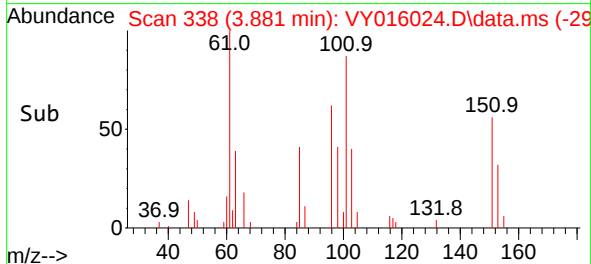
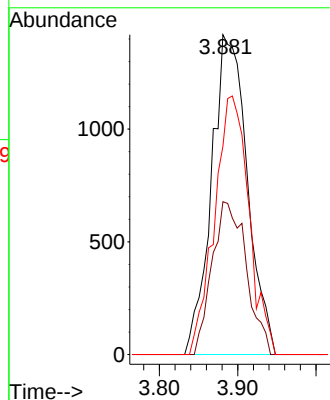
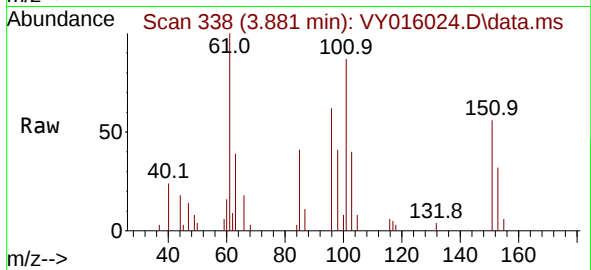
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.207 ug/l
RT: 3.881 min Scan# 311
Delta R.T. -0.012 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:101 Resp: 450
Ion Ratio Lower Upper
101 100
85 45.7 36.6 55.0
151 77.8 67.0 100.6

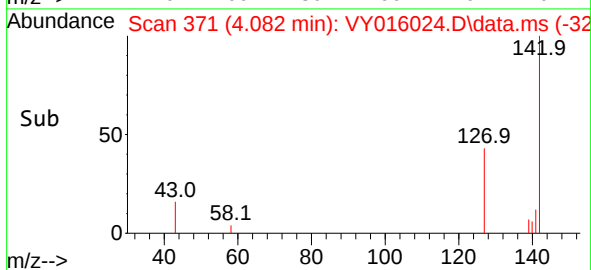
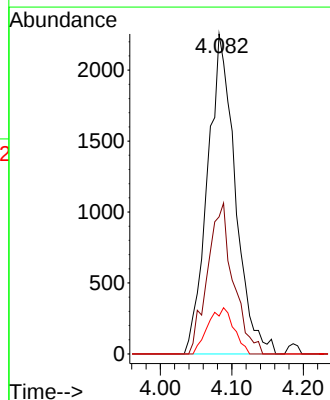
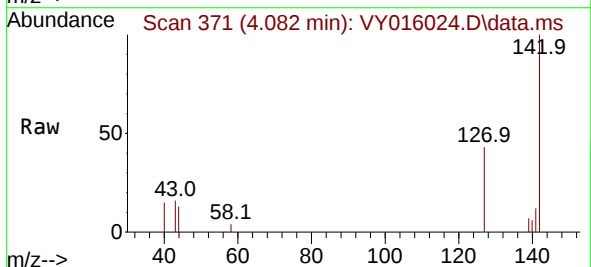
Manual Integrations
APPROVED

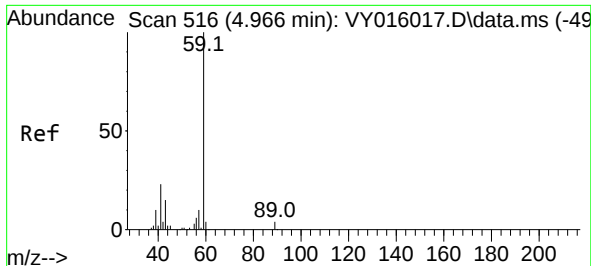
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#10
Methyl Iodide
Concen: 2.276 ug/l
RT: 4.082 min Scan# 371
Delta R.T. -0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

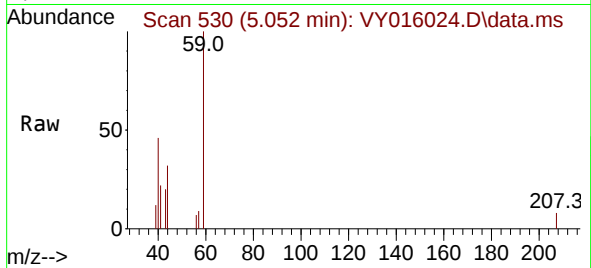
Tgt Ion:142 Resp: 6069
Ion Ratio Lower Upper
142 100
127 43.8 37.6 56.4
141 13.4 11.8 17.8





#11
Tert butyl alcohol
Concen: 8.930 ug/l m
RT: 5.052 min Scan# 516
Delta R.T. 0.085 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

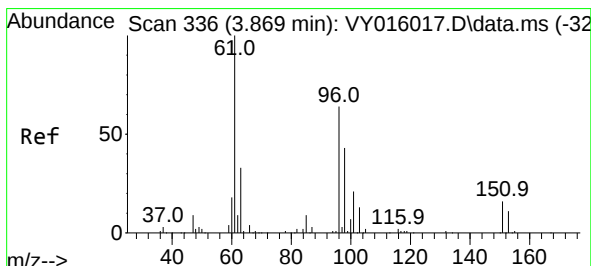
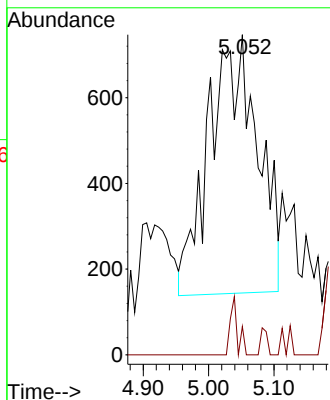
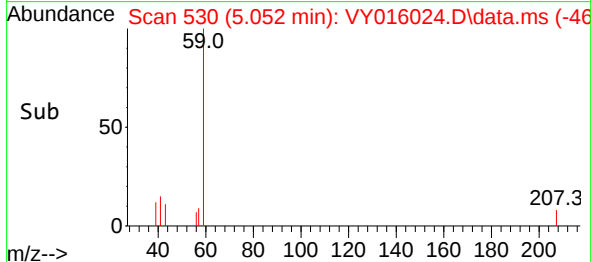
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 59 Resp: 312
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4

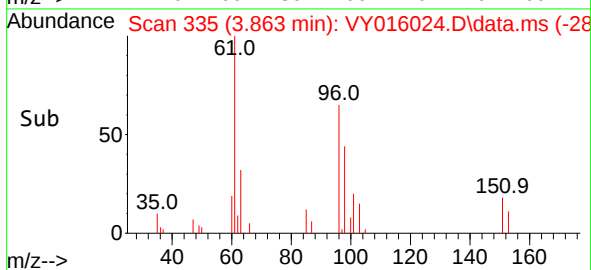
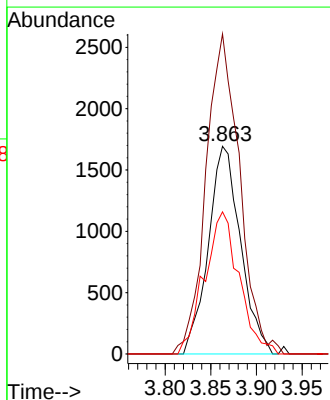
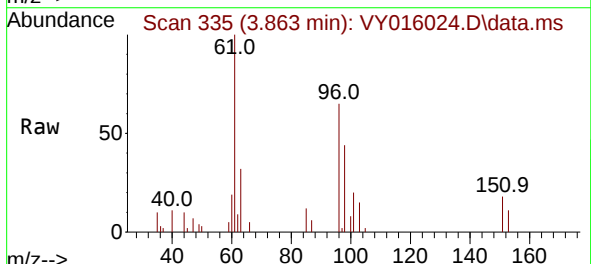
Manual Integrations
APPROVED

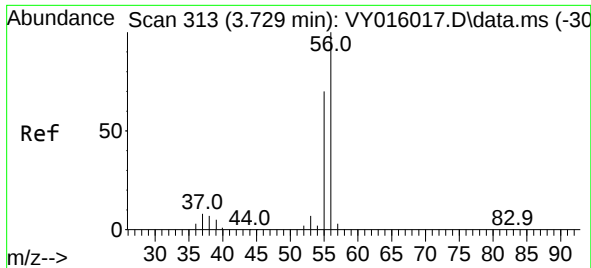
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#12
1,1-Dichloroethene
Concen: 2.171 ug/l
RT: 3.863 min Scan# 335
Delta R.T. -0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

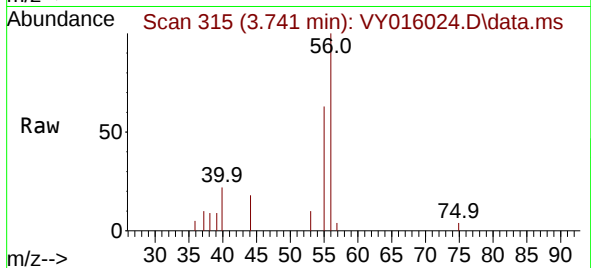
Tgt Ion: 96 Resp: 4148
Ion Ratio Lower Upper
96 100
61 150.1 136.4 204.6
98 68.4 49.4 74.2





#13
Acrolein
Concen: 16.340 ug/l
RT: 3.741 min Scan# 315
Delta R.T. 0.012 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

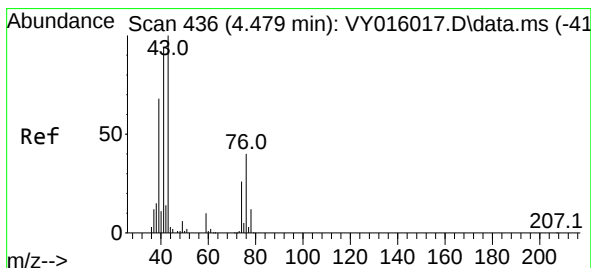
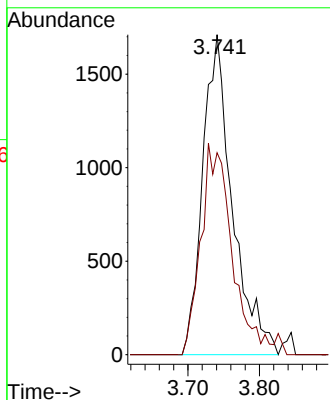
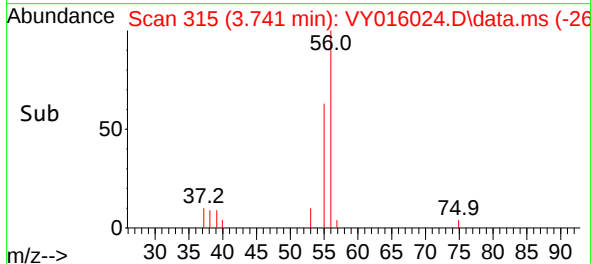
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 56 Resp: 4919
Ion Ratio Lower Upper
56 100
55 69.3 57.0 85.4

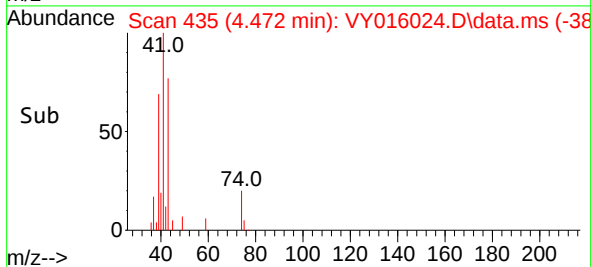
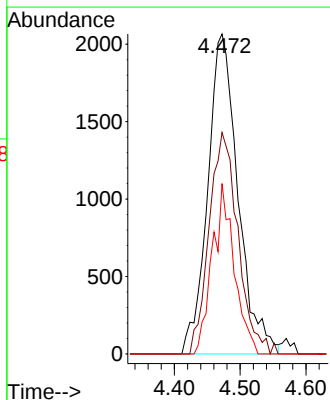
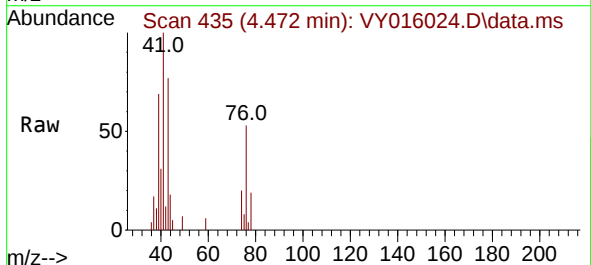
Manual Integrations
APPROVED

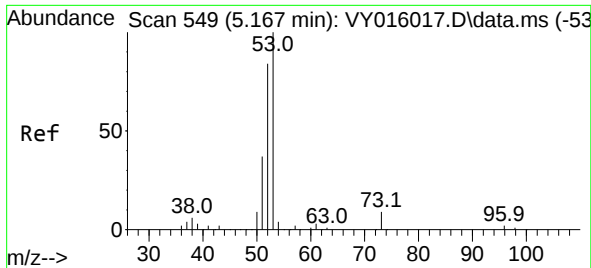
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#14
Allyl chloride
Concen: 2.218 ug/l
RT: 4.472 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Tgt Ion: 41 Resp: 6628
Ion Ratio Lower Upper
41 100
39 66.0 58.0 87.0
76 38.5 27.4 41.2





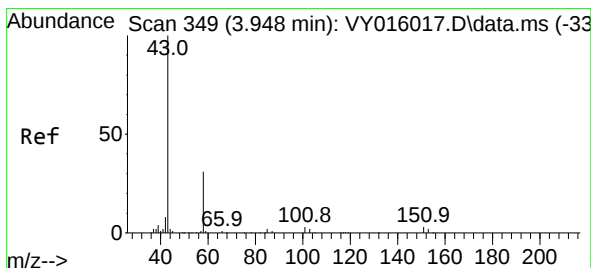
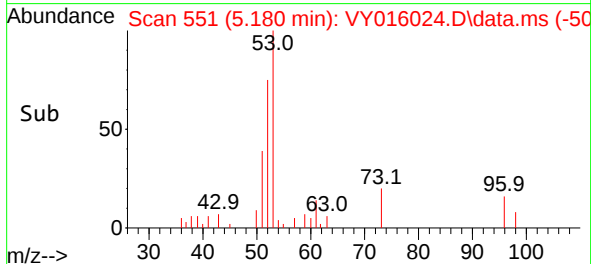
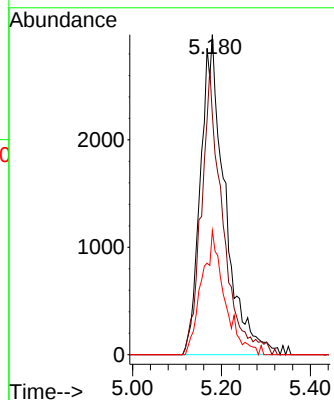
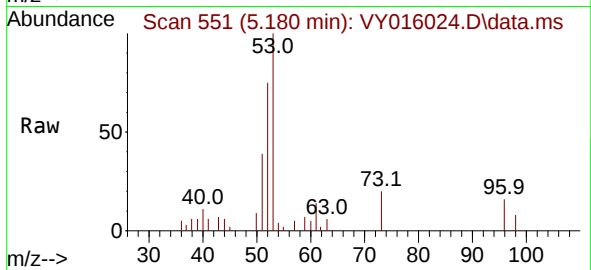
#15
Acrylonitrile
Concen: 15.183 ug/l
RT: 5.180 min Scan# 511
Delta R.T. 0.012 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 53 Resp: 11362
Ion Ratio Lower Upper
53 100
52 78.3 66.9 100.3
51 36.3 29.8 44.6

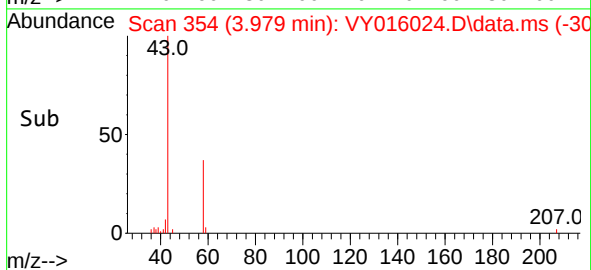
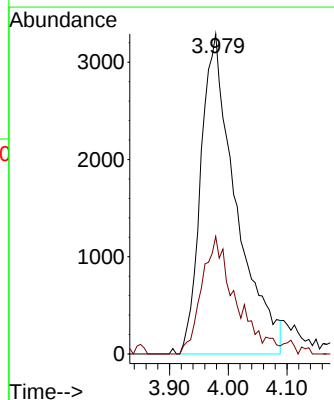
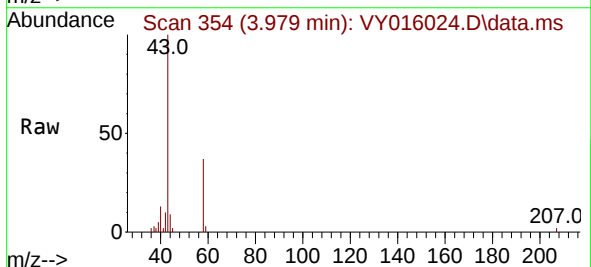
Manual Integrations
APPROVED

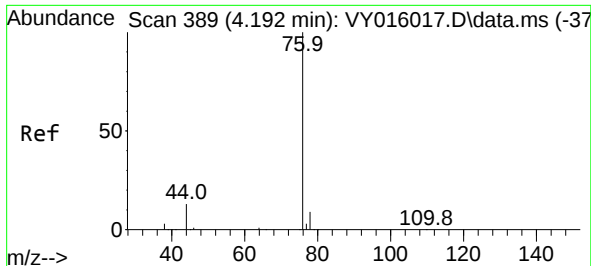
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#16
Acetone
Concen: 16.247 ug/l
RT: 3.979 min Scan# 354
Delta R.T. 0.030 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Tgt Ion: 43 Resp: 13635
Ion Ratio Lower Upper
43 100
58 36.7 22.7 34.1#





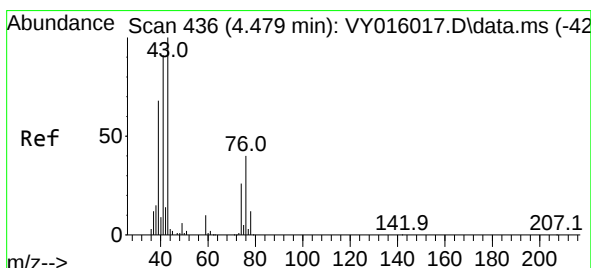
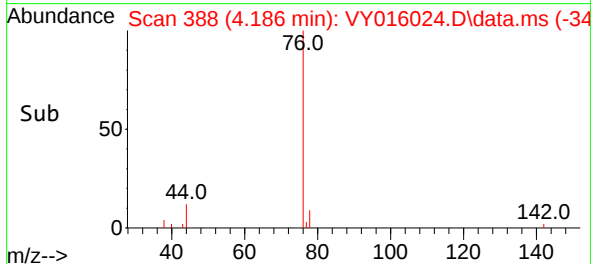
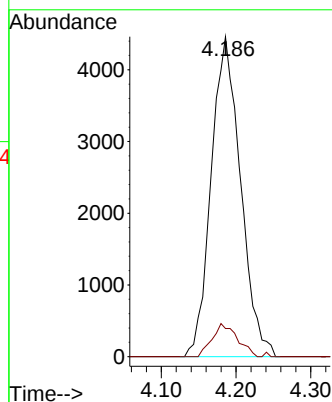
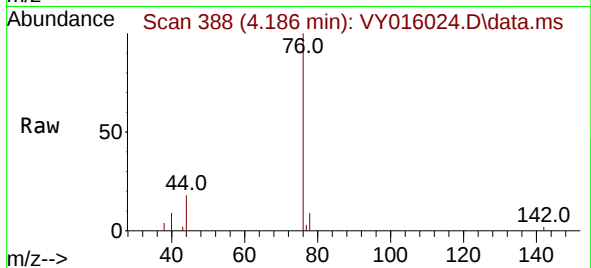
#17
Carbon Disulfide
Concen: 2.175 ug/l
RT: 4.186 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 76 Resp: 1217
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.4

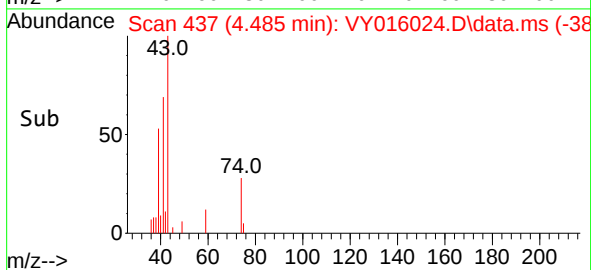
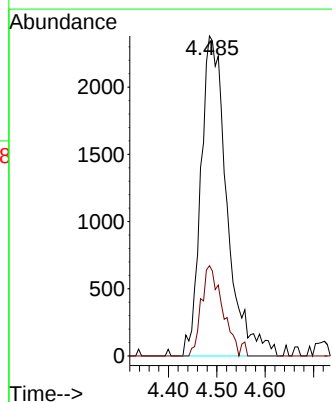
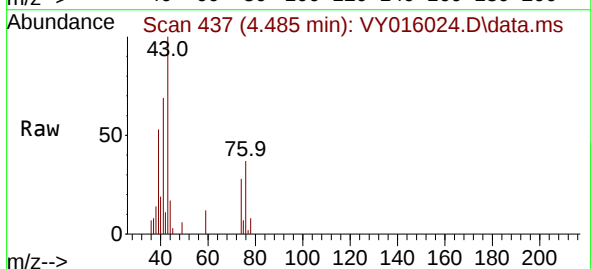
Manual Integrations
APPROVED

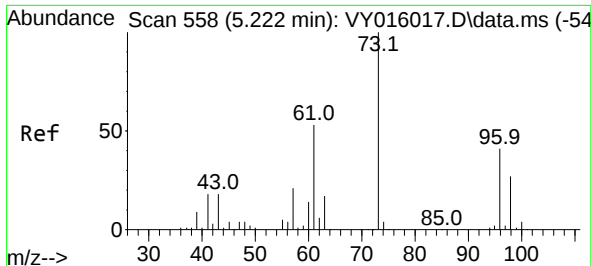
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#18
Methyl Acetate
Concen: 3.078 ug/l
RT: 4.485 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Tgt Ion: 43 Resp: 8892
Ion Ratio Lower Upper
43 100
74 22.7 17.4 26.0





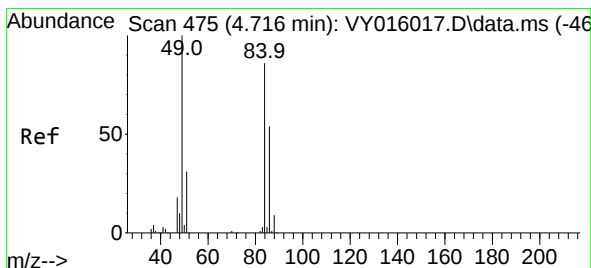
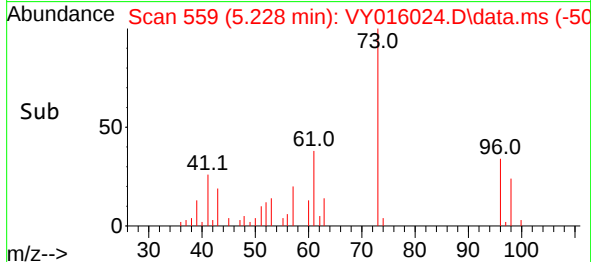
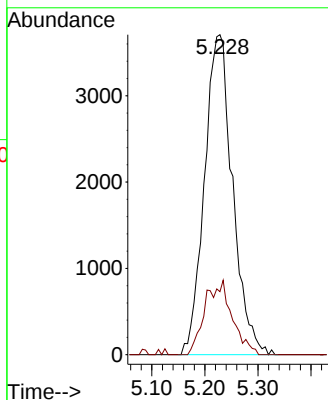
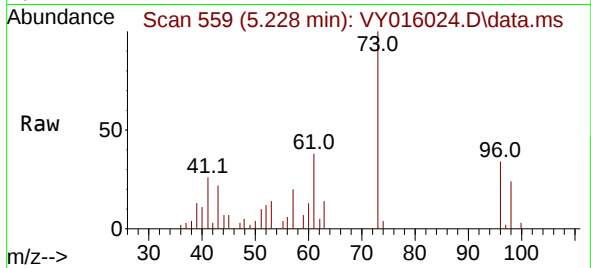
#19
Methyl tert-butyl Ether
Concen: 2.217 ug/l
RT: 5.228 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 73 Resp: 13669
Ion Ratio Lower Upper
73 100
57 19.7 17.3 25.9

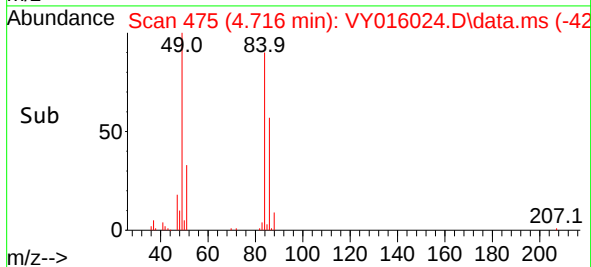
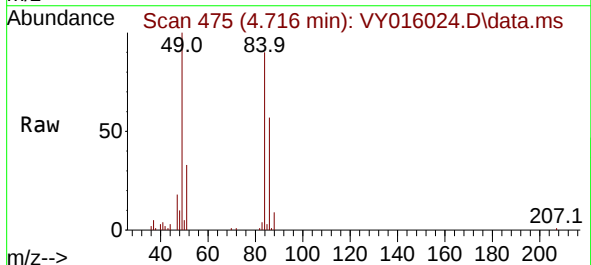
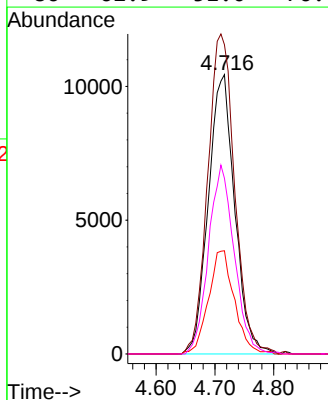
Manual Integrations
APPROVED

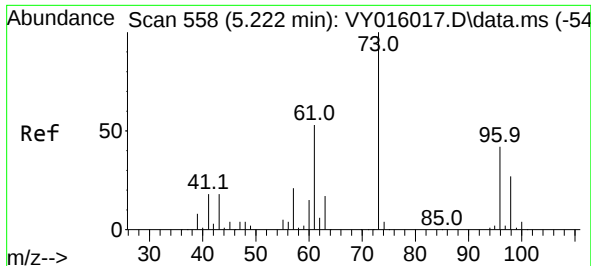
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#20
Methylene Chloride
Concen: 13.072 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Tgt Ion: 84 Resp: 32590
Ion Ratio Lower Upper
84 100
49 110.7 106.9 160.3
51 36.9 33.2 49.8
86 62.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 2.183 ug/l

RT: 5.216 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY016024.D

Acq: 18 Oct 2023 16:54

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 96 Resp: 485

Ion Ratio Lower Upper

96 100

61 122.2 110.2 165.4

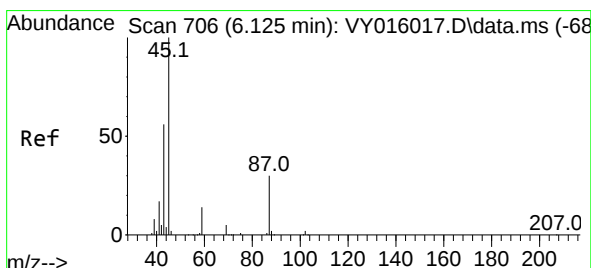
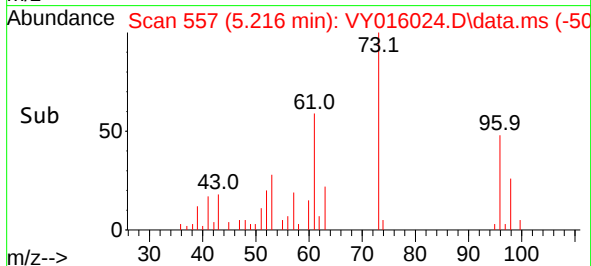
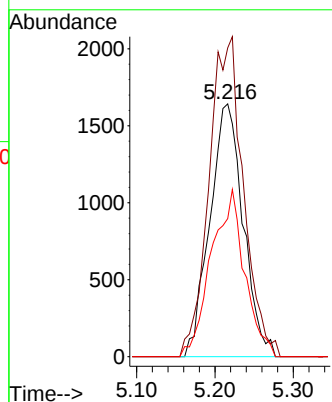
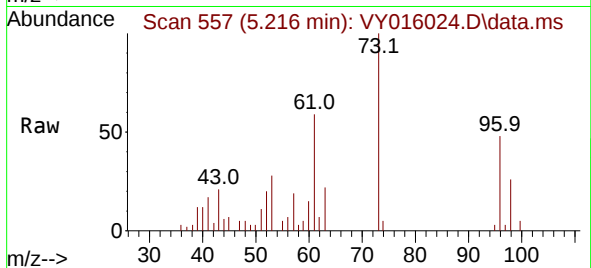
98 54.6 51.8 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#22

Diisopropyl ether

Concen: 2.153 ug/l

RT: 6.118 min Scan# 705

Delta R.T. -0.006 min

Lab File: VY016024.D

Acq: 18 Oct 2023 16:54

Tgt Ion: 45 Resp: 14009

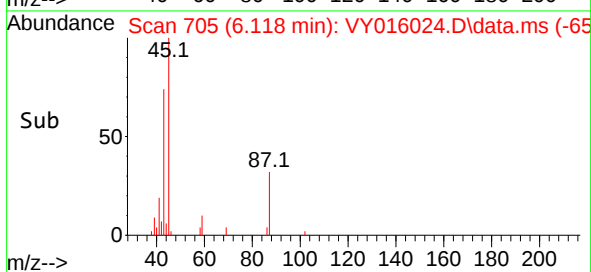
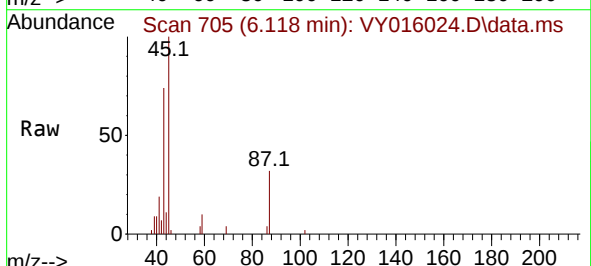
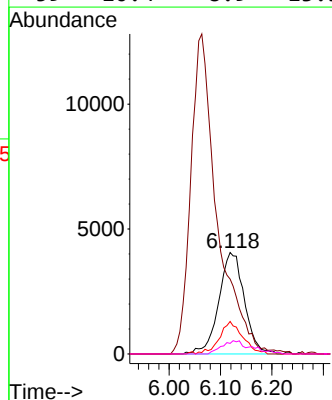
Ion Ratio Lower Upper

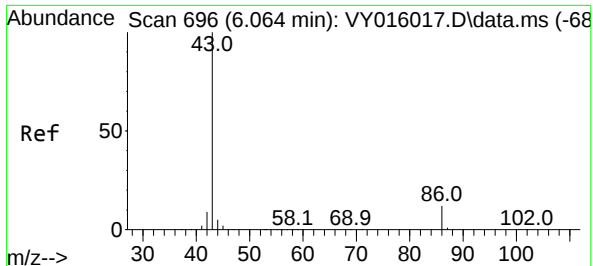
45 100

43 70.4 52.2 78.4

87 32.0 21.0 31.6#

59 10.4 8.9 13.3





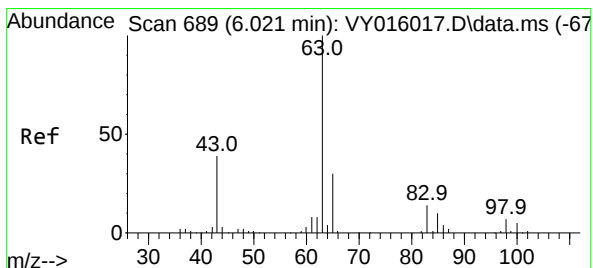
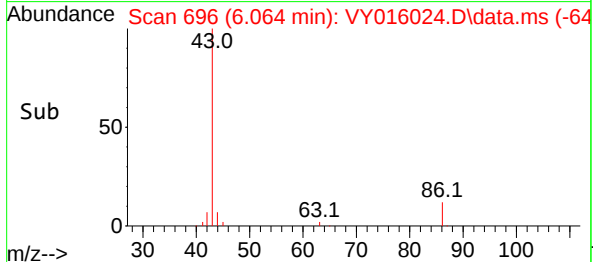
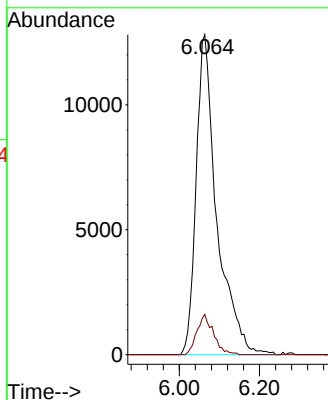
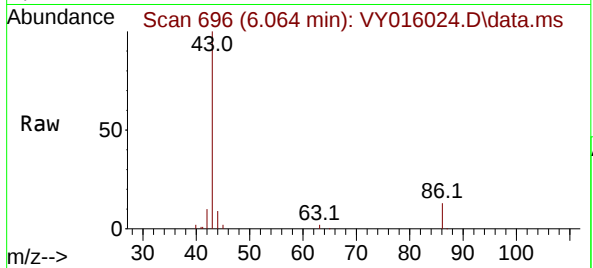
#23
 Vinyl Acetate
 Concen: 11.357 ug/l
 RT: 6.064 min Scan# 696
 Delta R.T. -0.000 min
 Lab File: VY016024.D
 Acq: 18 Oct 2023 16:54

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 43 Resp: 45840
 Ion Ratio Lower Upper
 43 100
 86 12.6 7.5 11.3

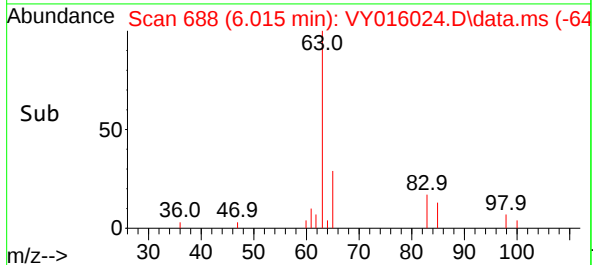
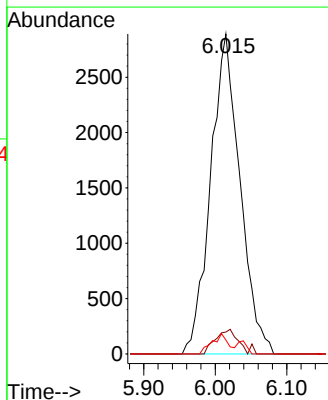
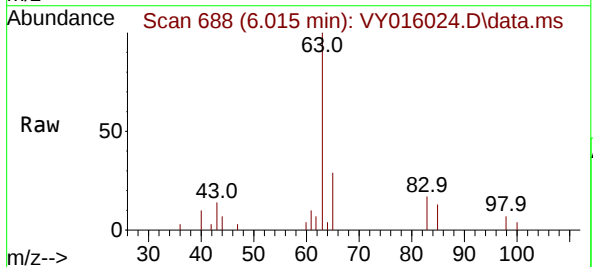
Manual Integrations
 APPROVED

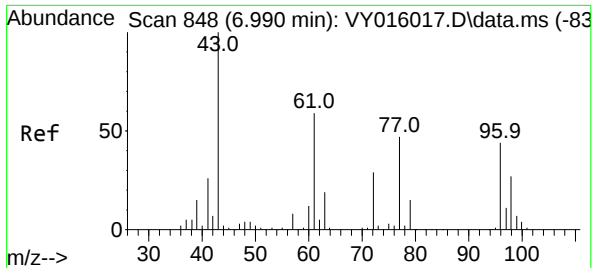
Reviewed By :John Carlone 10/19/2023
 Supervised By :Semsettin Yesilyurt 10/20/2023



#24
 1,1-Dichloroethane
 Concen: 2.138 ug/l
 RT: 6.015 min Scan# 688
 Delta R.T. -0.006 min
 Lab File: VY016024.D
 Acq: 18 Oct 2023 16:54

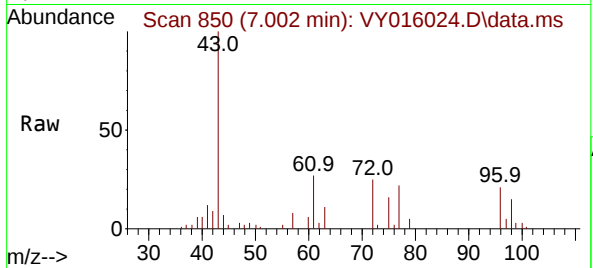
Tgt Ion: 63 Resp: 8254
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.1 9.4
 100 4.3 1.8 5.5





#25
2-Butanone
Concen: 14.801 ug/l
RT: 7.002 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

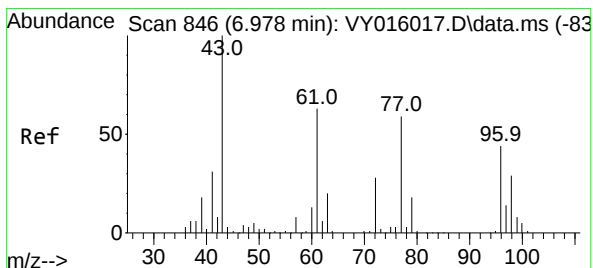
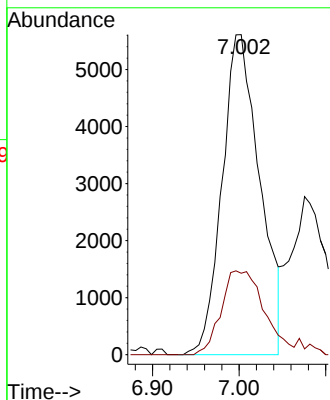
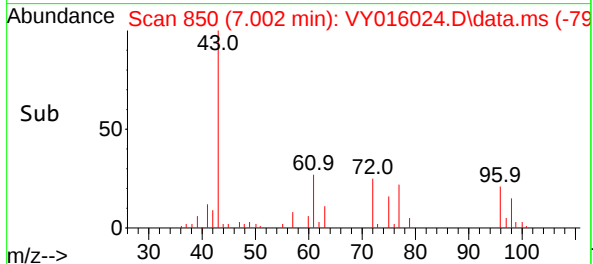
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 43 Resp: 17014
Ion Ratio Lower Upper
43 100
72 25.5 20.5 30.7

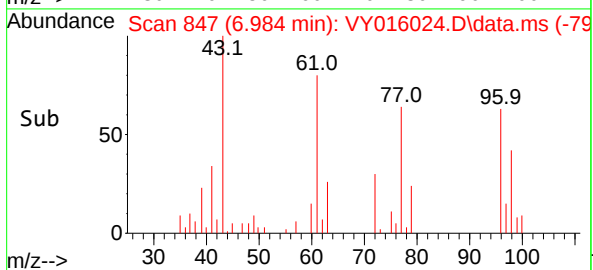
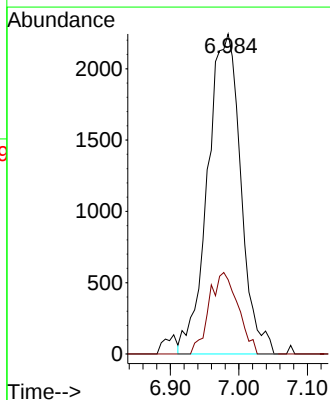
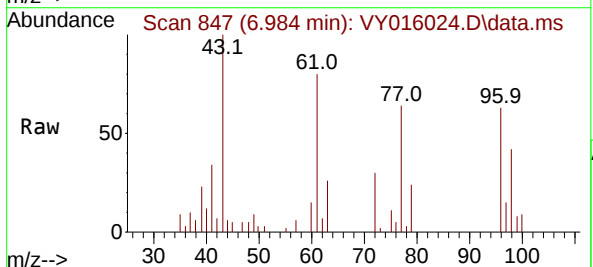
Manual Integrations
APPROVED

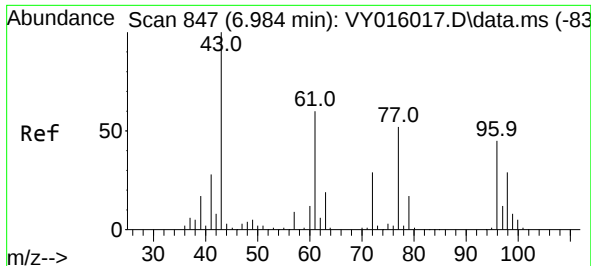
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#26
2,2-Dichloropropane
Concen: 2.166 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

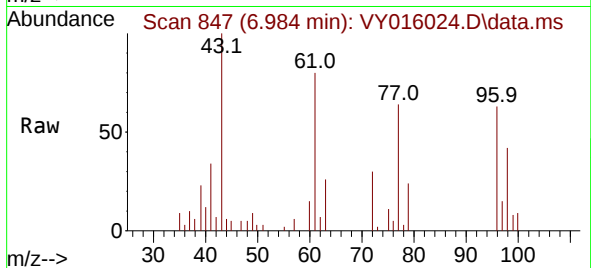
Tgt Ion: 77 Resp: 7523
Ion Ratio Lower Upper
77 100
97 22.2 10.9 32.9





#27
 cis-1,2-Dichloroethene
 Concen: 2.201 ug/l
 RT: 6.984 min Scan# 847
 Delta R.T. -0.000 min
 Lab File: VY016024.D
 Acq: 18 Oct 2023 16:54

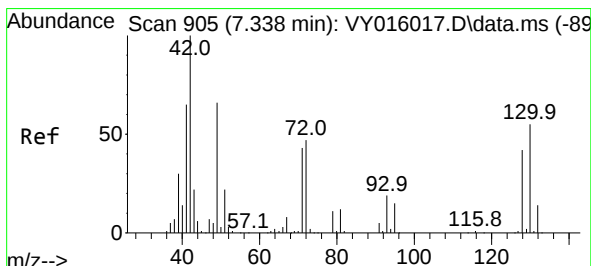
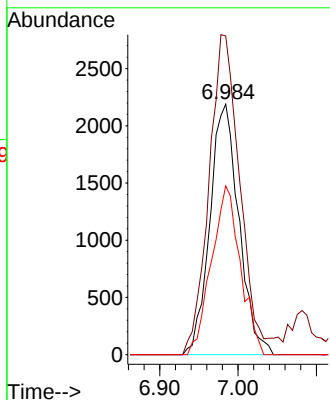
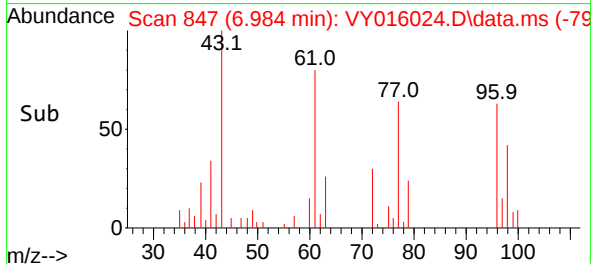
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 96 Resp: 5640
 Ion Ratio Lower Upper
 96 100
 61 136.2 0.0 301.4
 98 67.1 0.0 130.4

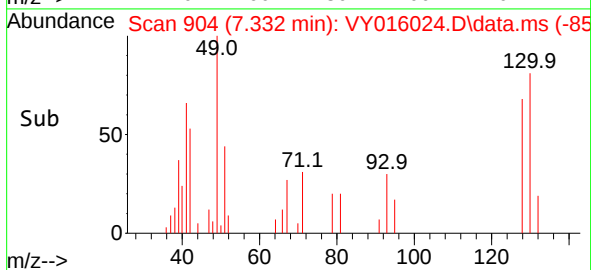
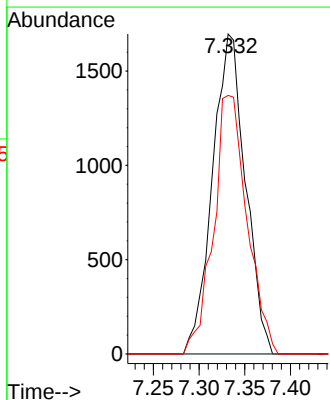
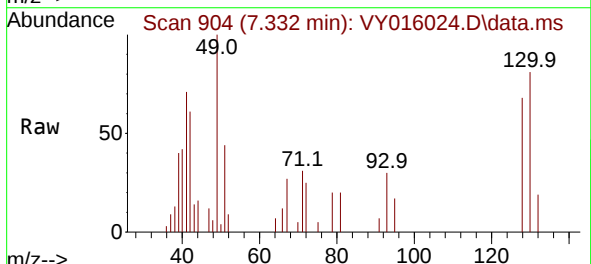
Manual Integrations
 APPROVED

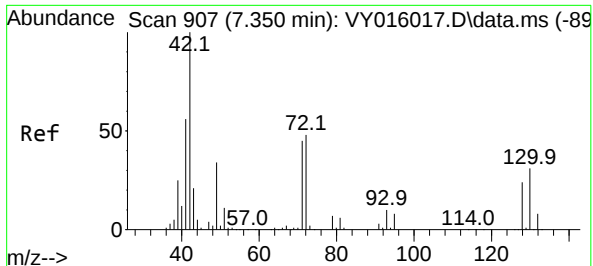
Reviewed By :John Carlone 10/19/2023
 Supervised By :Semsettin Yesilyurt 10/20/2023



#28
 Bromochloromethane
 Concen: 2.579 ug/l
 RT: 7.332 min Scan# 904
 Delta R.T. -0.006 min
 Lab File: VY016024.D
 Acq: 18 Oct 2023 16:54

Tgt Ion: 49 Resp: 4257
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.6
 130 82.1 60.7 91.1





#29

Tetrahydrofuran

Concen: 15.704 ug/l

RT: 7.362 min Scan# 909

Delta R.T. 0.012 min

Lab File: VY016024.D

Acq: 18 Oct 2023 16:54

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

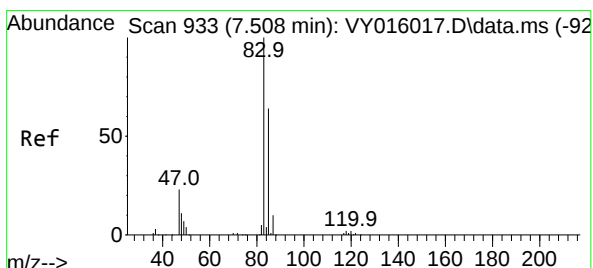
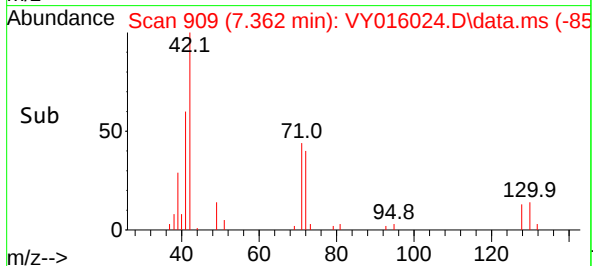
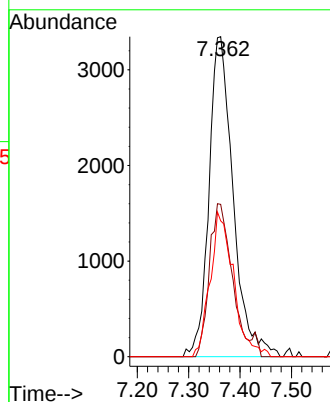
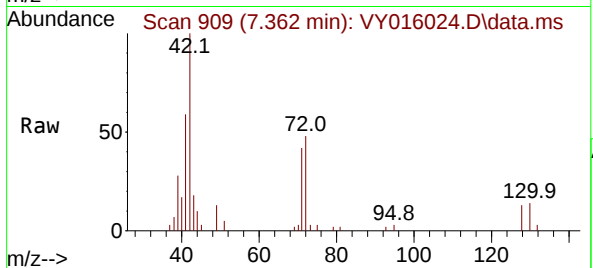
Tgt Ion: 42	Resp: 1092
Ion Ratio	Lower Upper
42	100
72	44.3 32.8 49.2
71	43.9 31.0 46.4

Manual Integrations

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Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#30

Chloroform

Concen: 2.278 ug/l

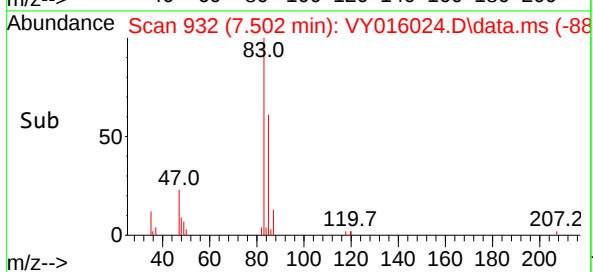
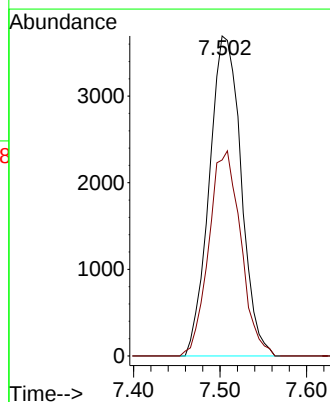
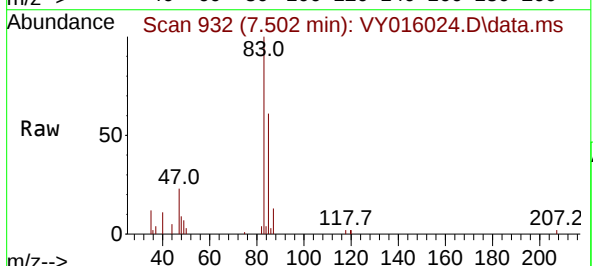
RT: 7.502 min Scan# 932

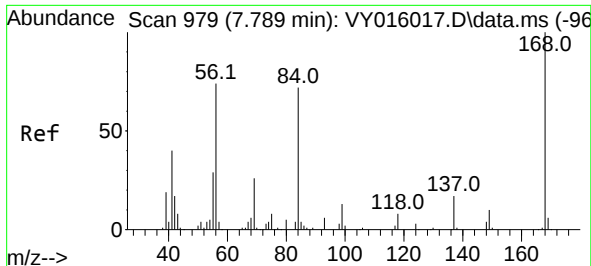
Delta R.T. -0.006 min

Lab File: VY016024.D

Acq: 18 Oct 2023 16:54

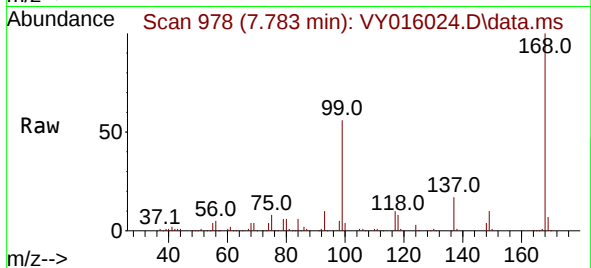
Tgt Ion: 83	Resp: 9430
Ion Ratio	Lower Upper
83	100
85	61.3 49.7 74.5





#31
Cyclohexane
Concen: 3.139 ug/l
RT: 7.783 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

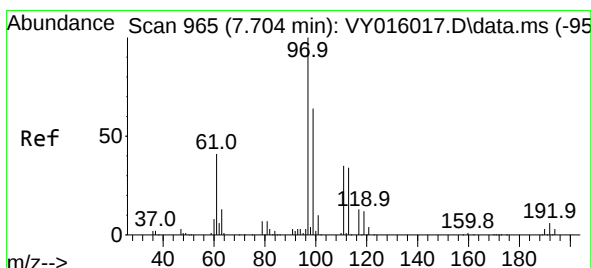
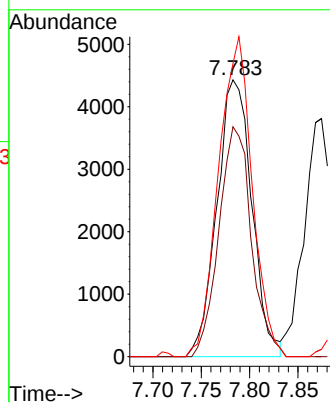
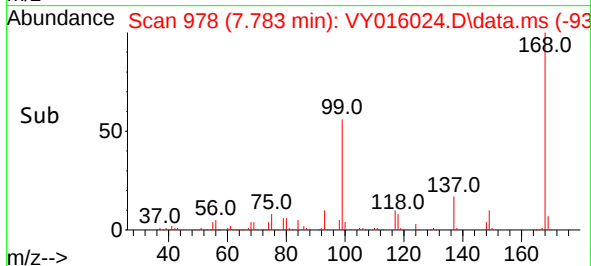
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 56 Resp: 11124
Ion Ratio Lower Upper
56 100
69 83.1 27.8 41.6
84 105.9 66.4 99.6

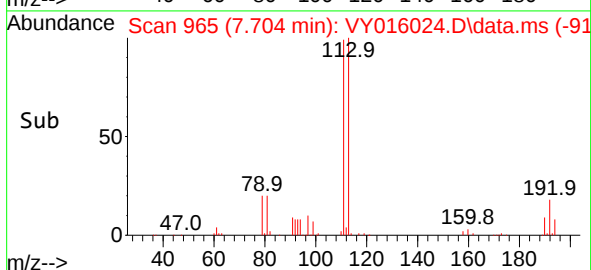
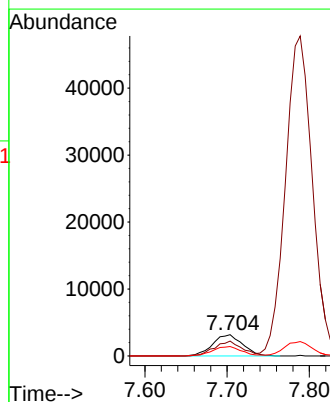
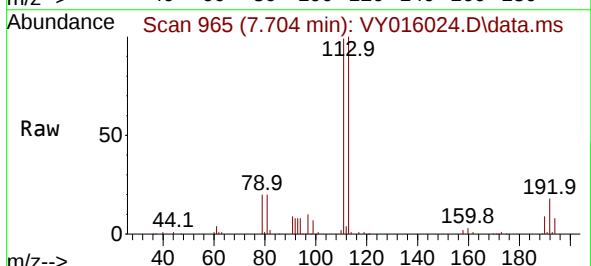
Manual Integrations
APPROVED

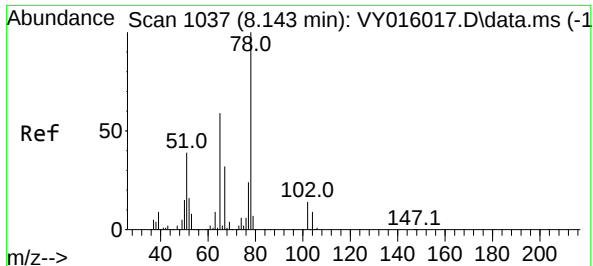
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#32
1,1,1-Trichloroethane
Concen: 2.170 ug/l
RT: 7.704 min Scan# 965
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Tgt Ion: 97 Resp: 8034
Ion Ratio Lower Upper
97 100
99 63.6 50.8 76.2
61 43.6 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 53.614 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY016024.D

Acq: 18 Oct 2023 16:54

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 65 Resp: 12138

Ion Ratio Lower Upper

65 100

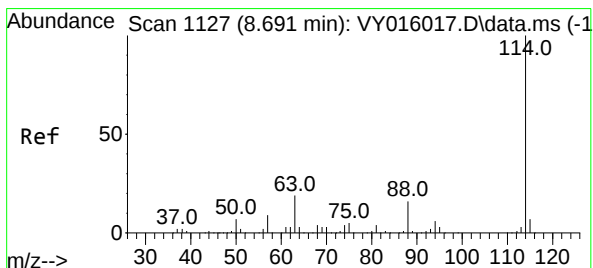
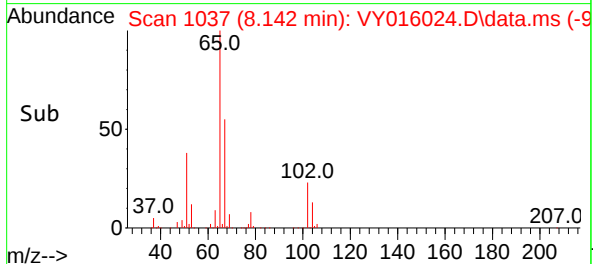
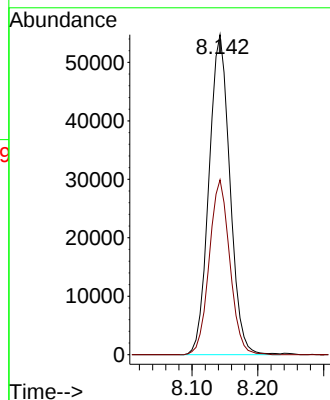
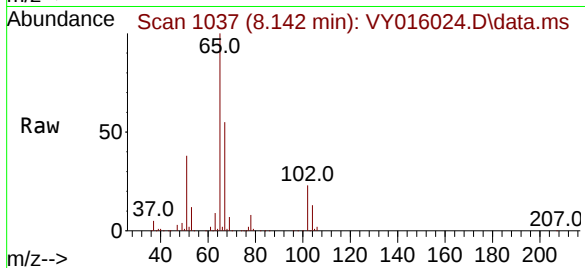
67 53.5 0.0 101.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY016024.D

Acq: 18 Oct 2023 16:54

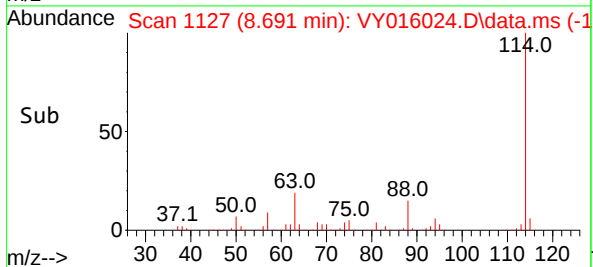
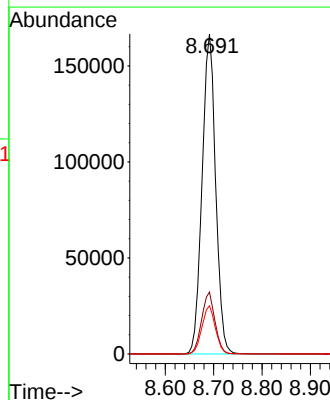
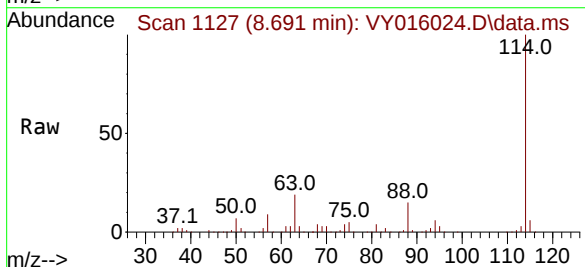
Tgt Ion:114 Resp: 324410

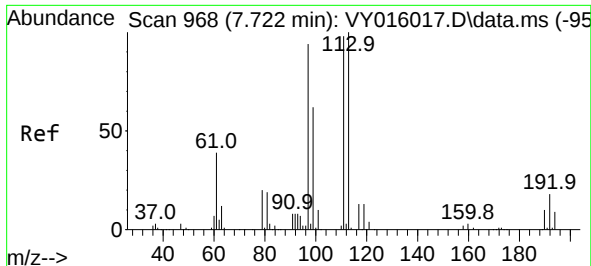
Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

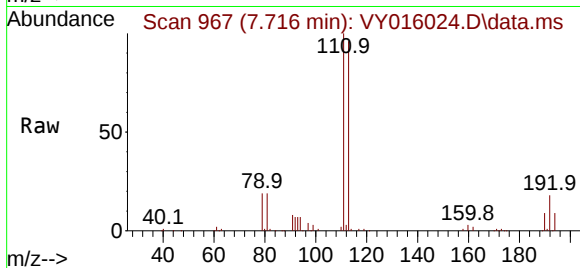
88 15.1 0.0 30.6





#35
Dibromofluoromethane
Concen: 50.854 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

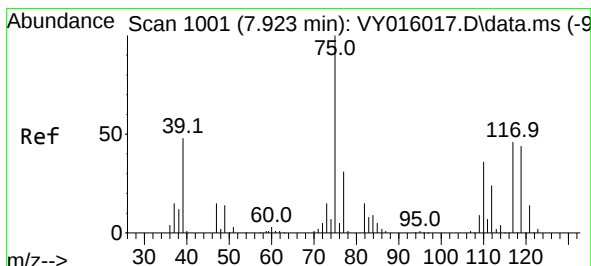
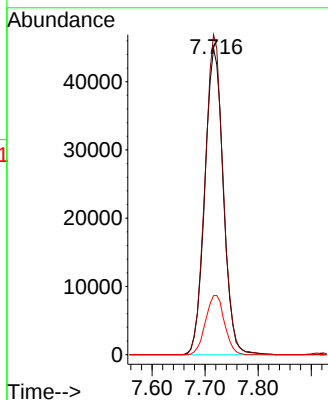
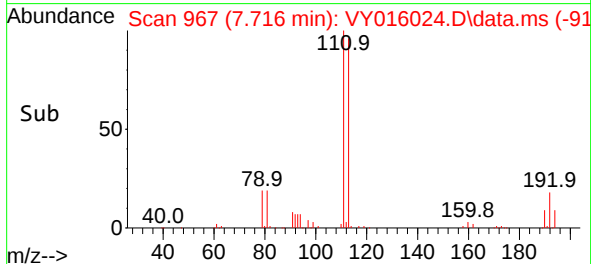
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



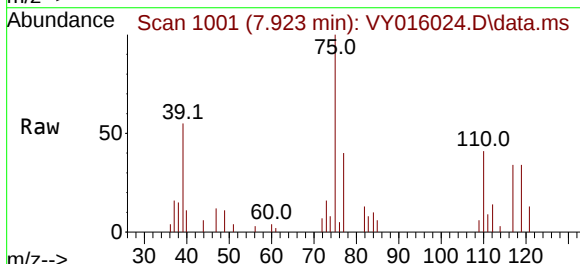
Tgt Ion:113 Resp: 108588
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 19.8 16.9 25.3

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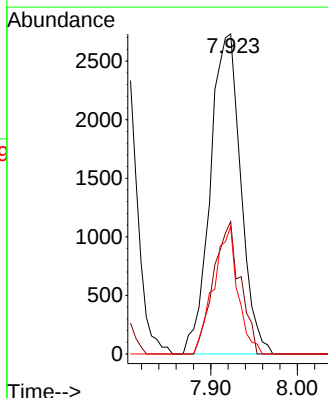
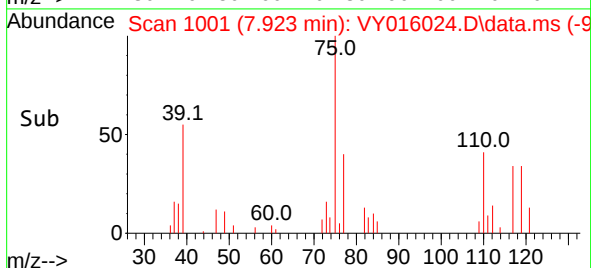
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023

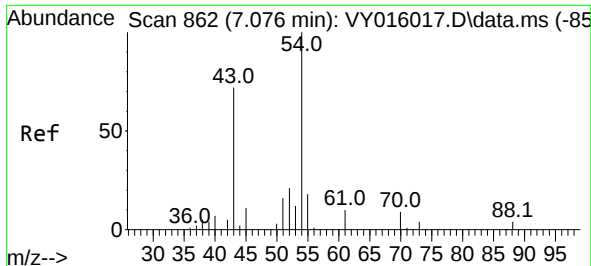


#36
1,1-Dichloropropene
Concen: 2.075 ug/l
RT: 7.923 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54



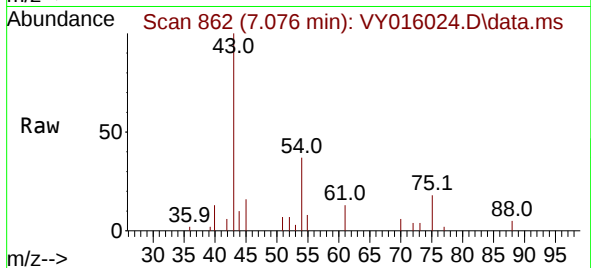
Tgt Ion: 75 Resp: 6665
Ion Ratio Lower Upper
75 100
110 36.1 17.8 53.5
77 31.8 24.4 36.6





#37
Ethyl Acetate
Concen: 3.636 ug/l
RT: 7.076 min Scan# 862
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

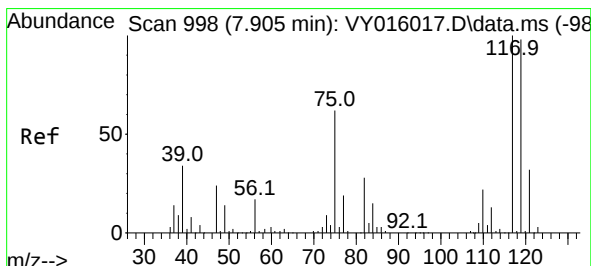
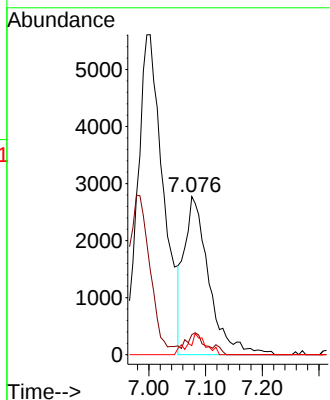
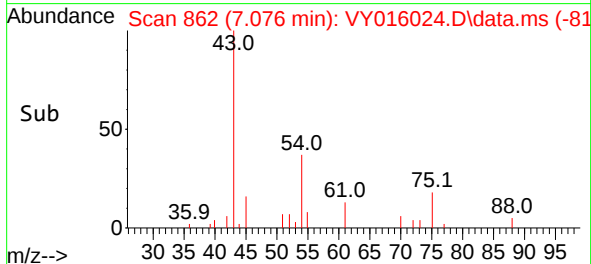
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



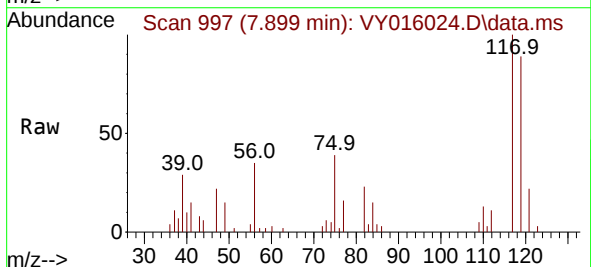
Tgt Ion: 43 Resp: 8419
Ion Ratio Lower Upper
43 100
61 5.7 10.1 15.1
70 9.4 7.1 10.7

Manual Integrations
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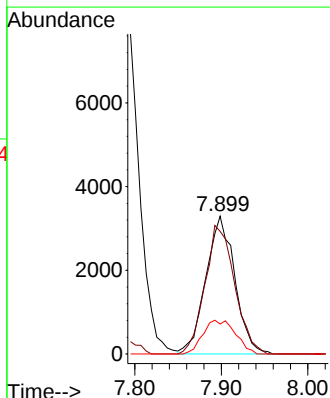
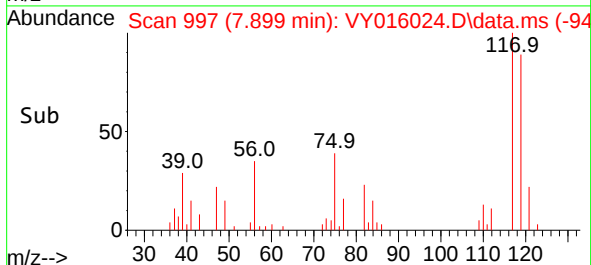
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023

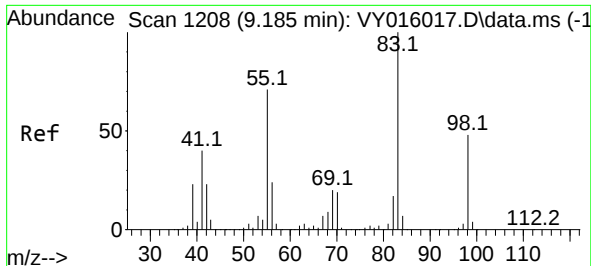


#38
Carbon Tetrachloride
Concen: 2.245 ug/l
RT: 7.899 min Scan# 997
Delta R.T. -0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54



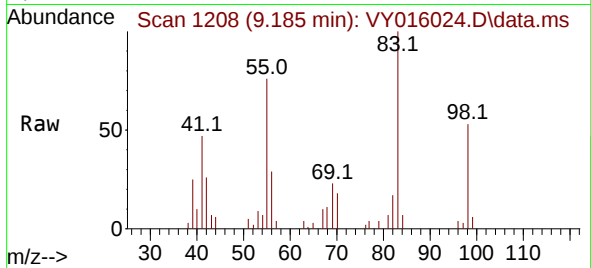
Tgt Ion:117 Resp: 7666
Ion Ratio Lower Upper
117 100
119 88.9 76.4 114.6
121 21.8 25.8 38.6#





#39
Methylcyclohexane
Concen: 1.975 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

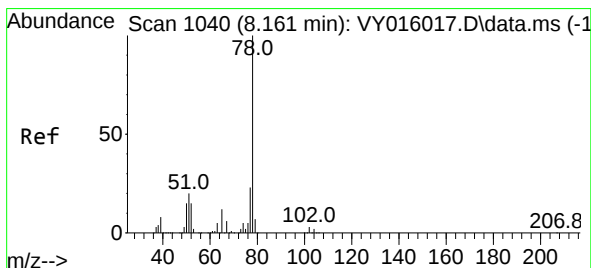
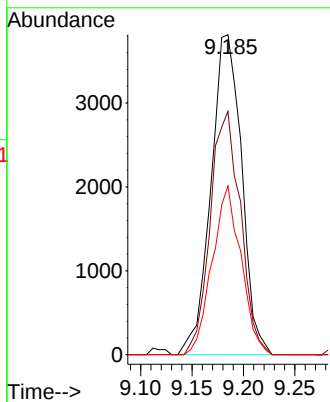
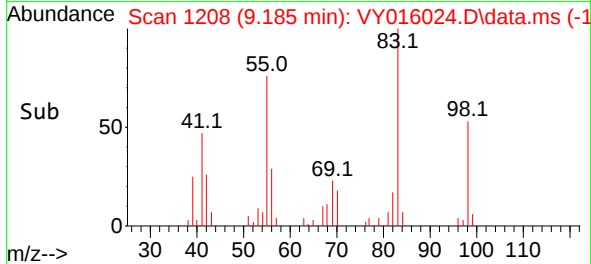
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 83 Resp: 7930
Ion Ratio Lower Upper
83 100
55 76.0 63.0 94.4
98 52.8 37.4 56.2

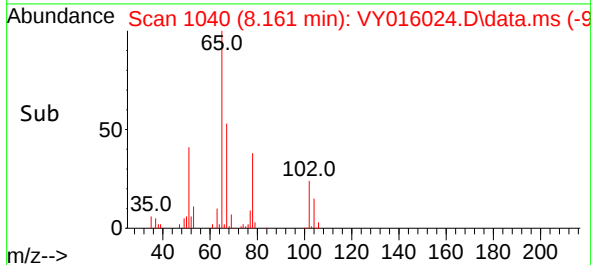
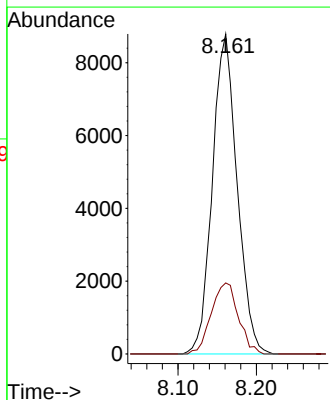
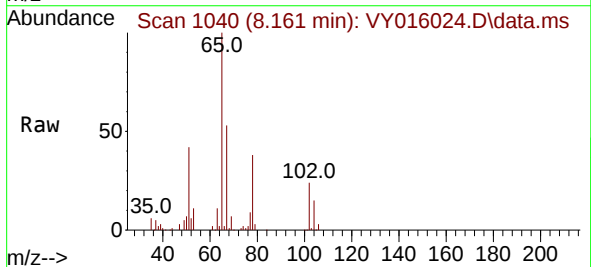
Manual Integrations
APPROVED

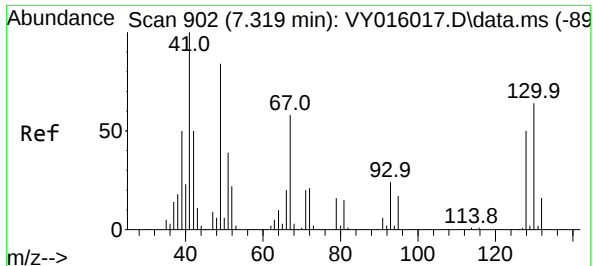
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#40
Benzene
Concen: 2.133 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

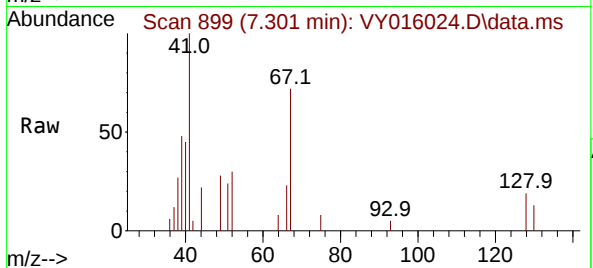
Tgt Ion: 78 Resp: 19317
Ion Ratio Lower Upper
78 100
77 22.2 19.0 28.6





#41
Methacrylonitrile
Concen: 2.192 ug/l m
RT: 7.301 min Scan# 899
Delta R.T. -0.018 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

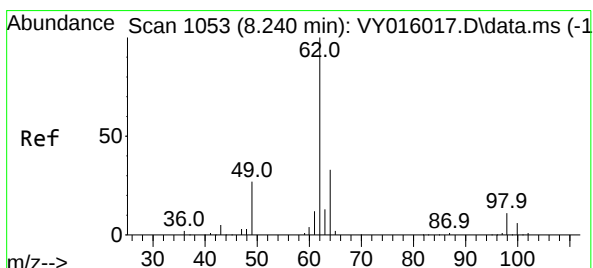
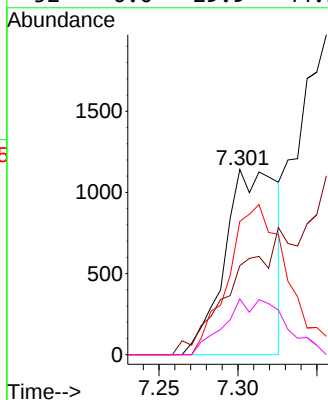
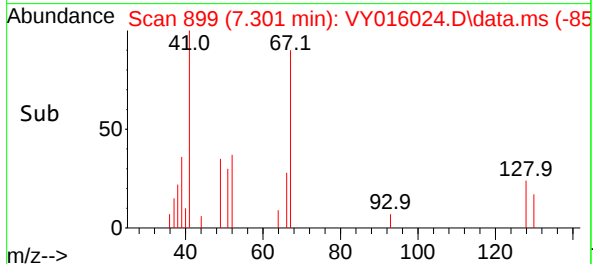
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 41 Resp: 263
Ion Ratio Lower Upper
41 100
39 191.5 52.1 78.1
67 0.0 66.2 99.2
52 0.0 29.9 44.9

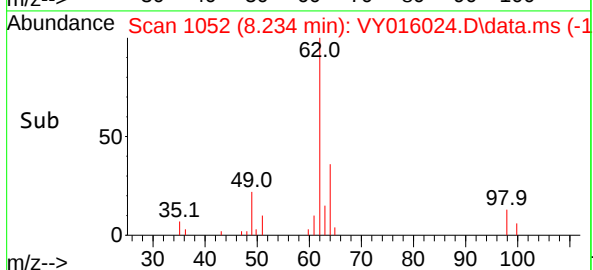
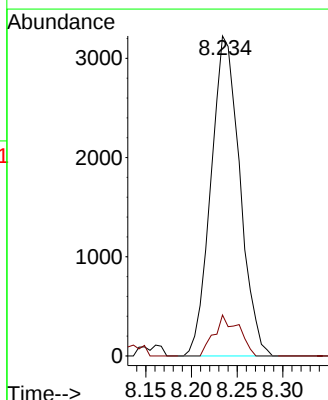
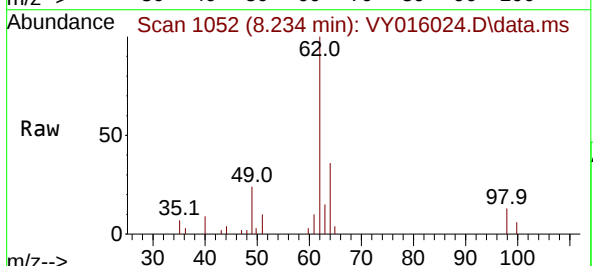
Manual Integrations
APPROVED

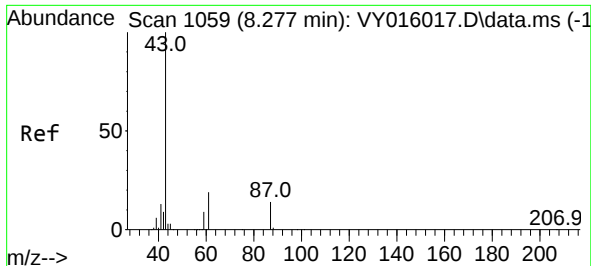
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#42
1,2-Dichloroethane
Concen: 2.429 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. -0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

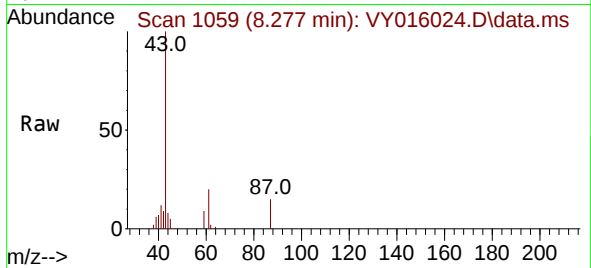
Tgt Ion: 62 Resp: 7085
Ion Ratio Lower Upper
62 100
98 10.9 0.0 15.8





#43
Isopropyl Acetate
Concen: 2.606 ug/l
RT: 8.277 min Scan# 1059
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

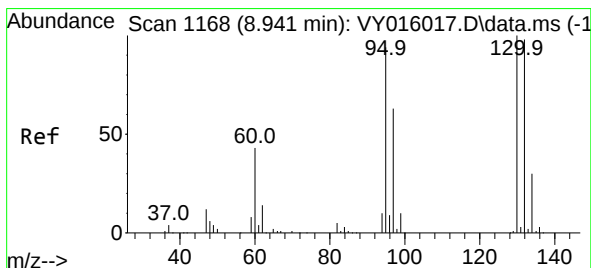
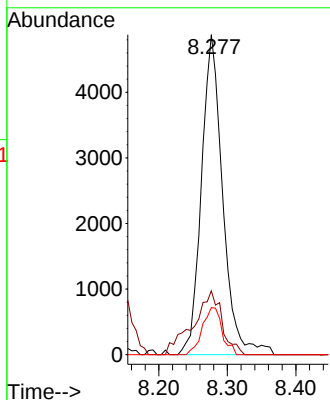
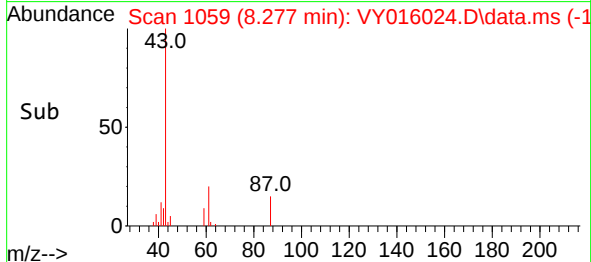
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 43 Resp: 1055
Ion Ratio Lower Upper
43 100
61 26.8 21.1 31.7
87 13.6 9.8 14.8

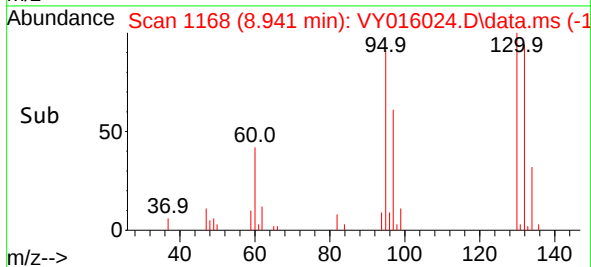
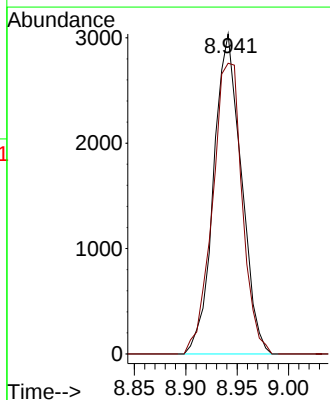
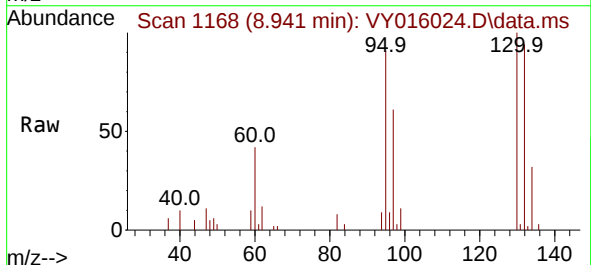
Manual Integrations
APPROVED

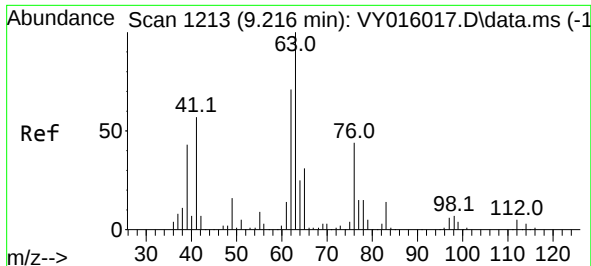
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#44
Trichloroethene
Concen: 2.244 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Tgt Ion:130 Resp: 5697
Ion Ratio Lower Upper
130 100
95 90.9 0.0 196.0





#45

1,2-Dichloropropane

Concen: 2.070 ug/l

RT: 9.222 min Scan# 1214

Delta R.T. 0.006 min

Lab File: VY016024.D

Acq: 18 Oct 2023 16:54

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 63 Resp: 4690

Ion Ratio Lower Upper

63 100

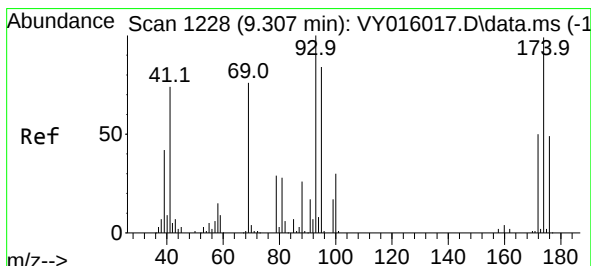
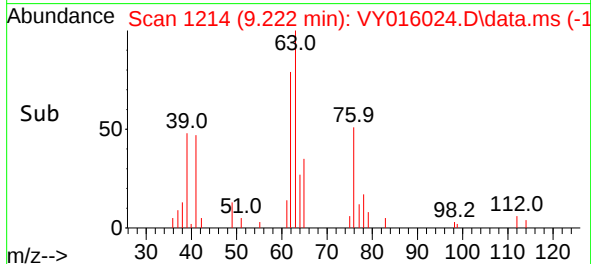
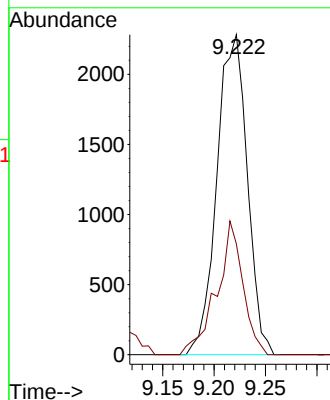
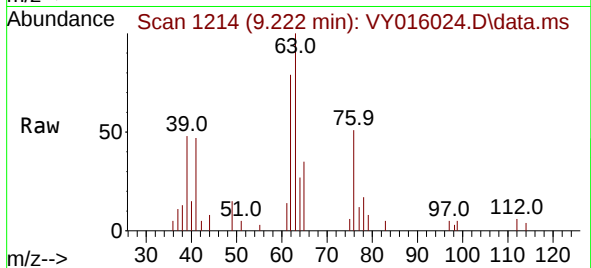
65 34.6 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#46

Dibromomethane

Concen: 2.436 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VY016024.D

Acq: 18 Oct 2023 16:54

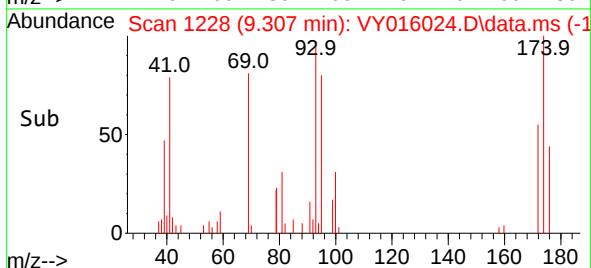
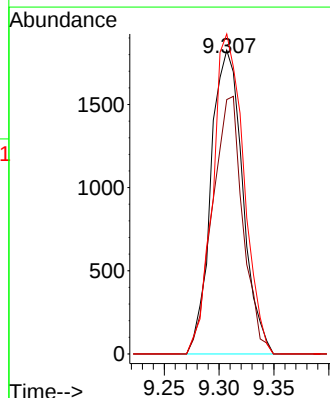
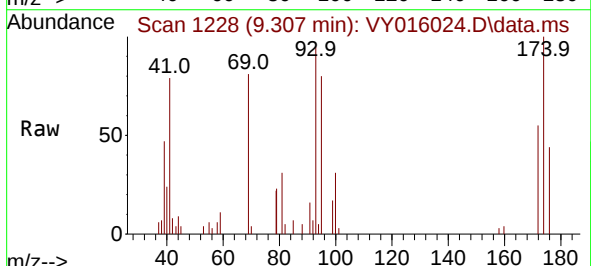
Tgt Ion: 93 Resp: 3664

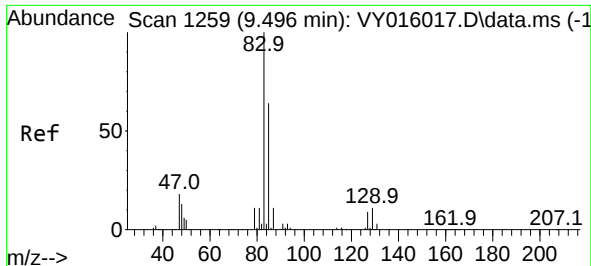
Ion Ratio Lower Upper

93 100

95 81.8 66.6 100.0

174 103.5 84.8 127.2





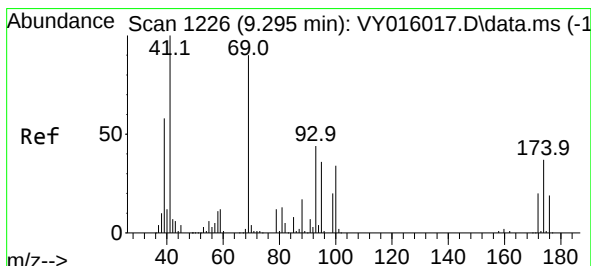
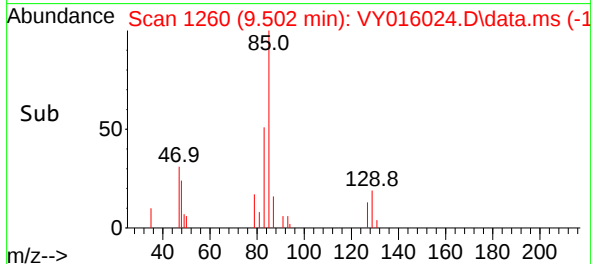
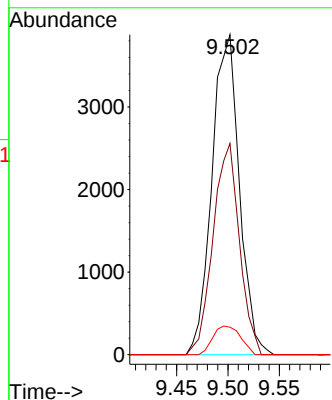
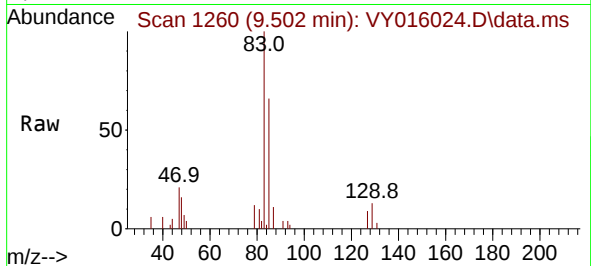
#47
Bromodichloromethane
Concen: 2.185 ug/l
RT: 9.502 min Scan# 1260
Delta R.T. 0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 83 Resp: 720
Ion Ratio Lower Upper
83 100
85 66.0 50.1 75.1
127 8.6 7.1 10.7

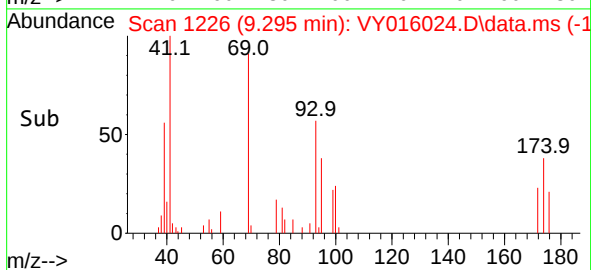
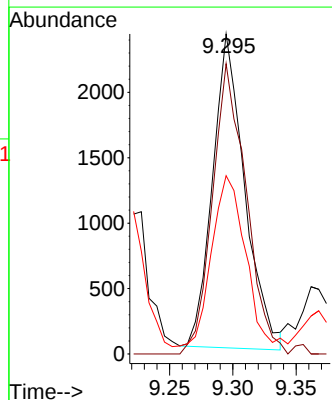
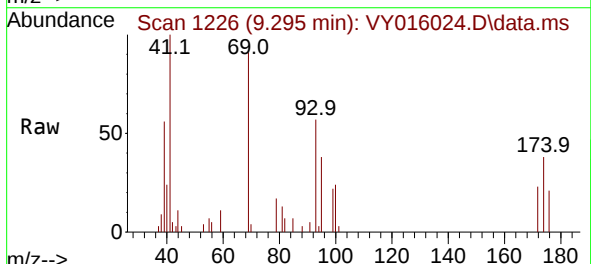
Manual Integrations
APPROVED

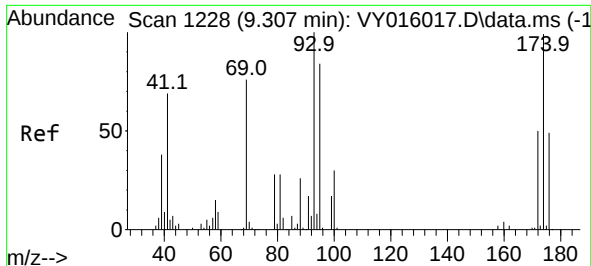
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#48
Methyl methacrylate
Concen: 2.296 ug/l
RT: 9.295 min Scan# 1226
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Tgt Ion: 41 Resp: 4232
Ion Ratio Lower Upper
41 100
69 96.9 64.5 96.7#
39 58.7 50.8 76.2





#49

1,4-Dioxane

Concen: 67.630 ug/l

RT: 9.350 min Scan# 1228

Delta R.T. 0.043 min

Lab File: VY016024.D

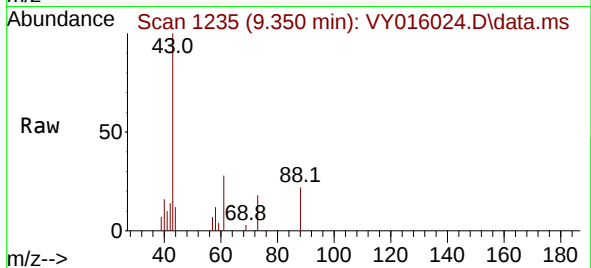
Acq: 18 Oct 2023 16:54

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



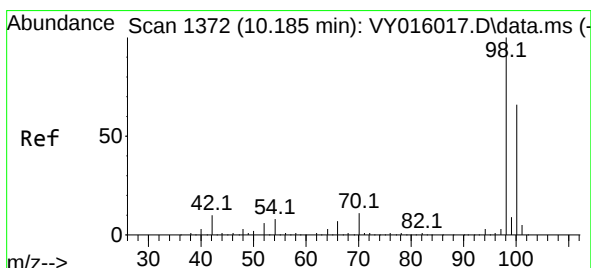
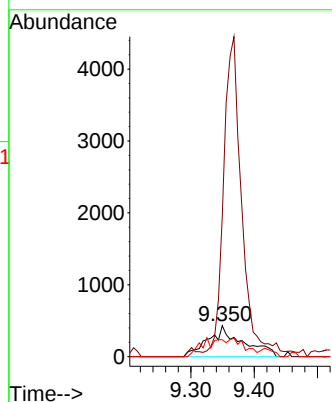
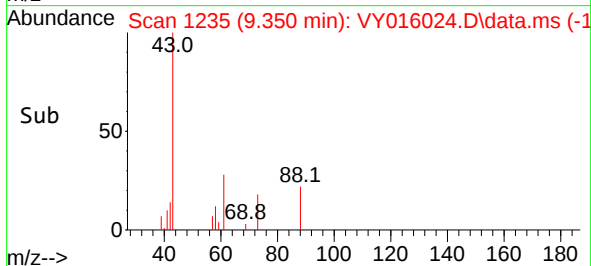
Tgt Ion:	88	Resp:	1620
Ion Ratio	Lower	Upper	
88	100		
43	0.0	0.0	0.0
58	9.0	30.9	46.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#50

Toluene-d8

Concen: 49.847 ug/l

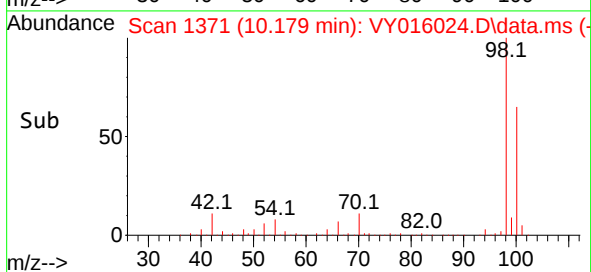
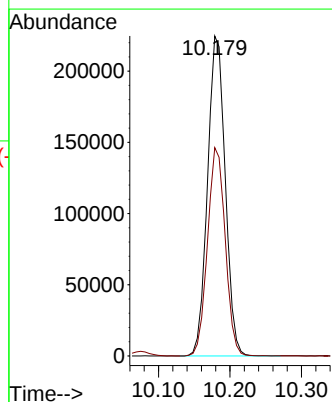
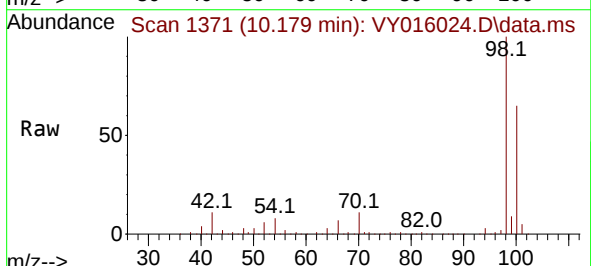
RT: 10.179 min Scan# 1371

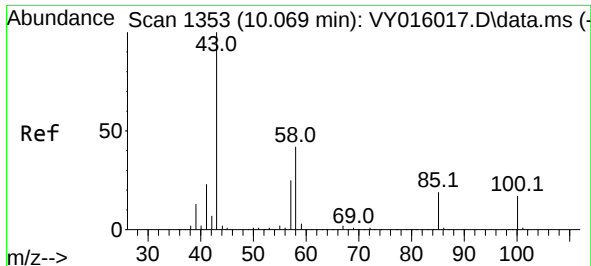
Delta R.T. -0.006 min

Lab File: VY016024.D

Acq: 18 Oct 2023 16:54

Tgt Ion:	98	Resp:	386568
Ion Ratio	Lower	Upper	
98	100		
100	65.2	50.1	75.1





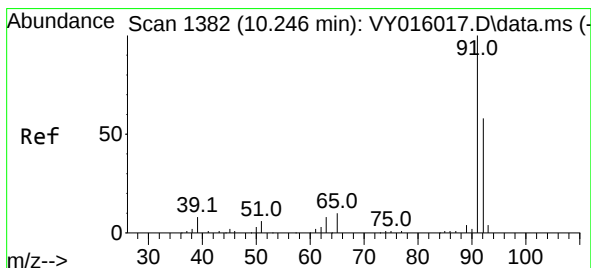
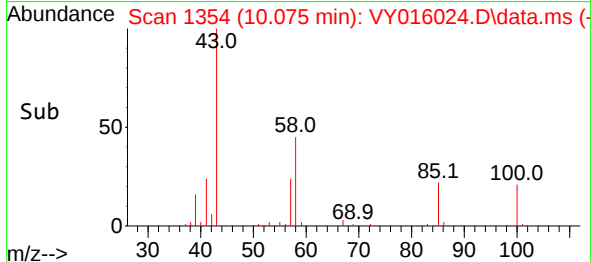
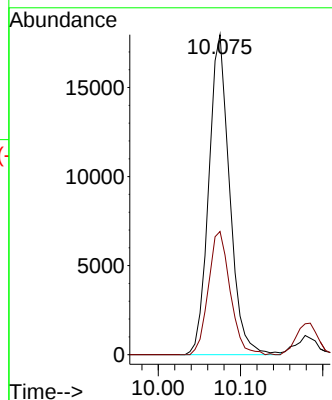
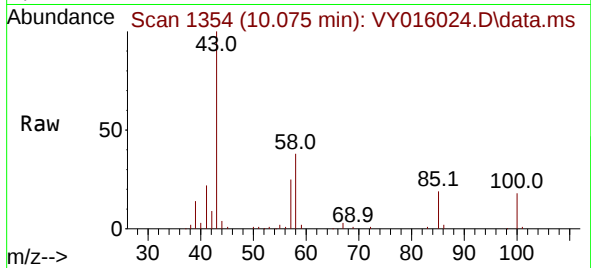
#51
4-Methyl-2-Pentanone
Concen: 13.589 ug/l
RT: 10.075 min Scan# 1353
Delta R.T. 0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 43 Resp: 3163
Ion Ratio Lower Upper
43 100
58 40.3 29.0 43.6

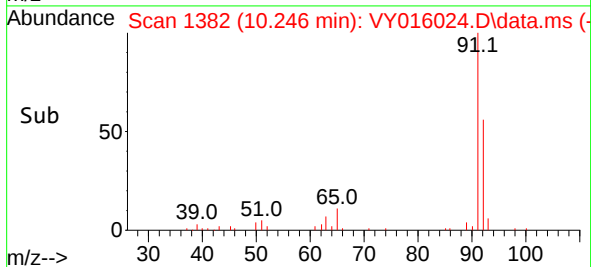
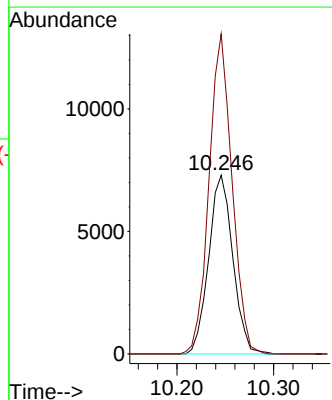
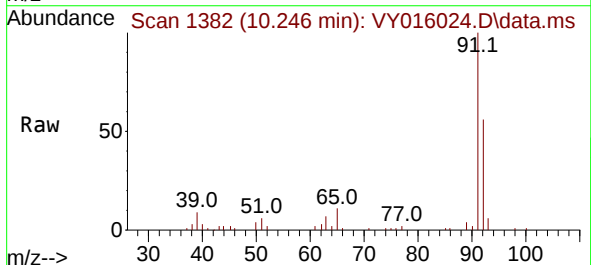
Manual Integrations
APPROVED

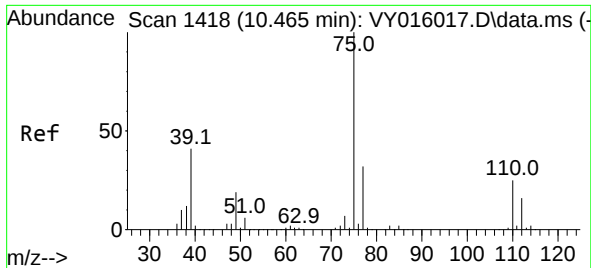
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#52
Toluene
Concen: 2.156 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

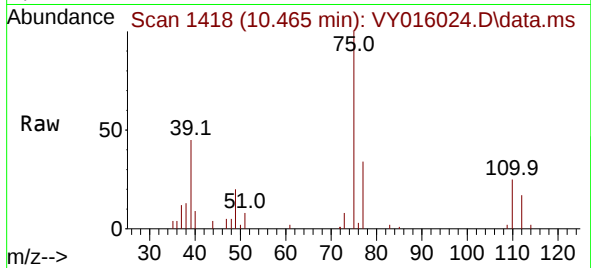
Tgt Ion: 92 Resp: 12661
Ion Ratio Lower Upper
92 100
91 170.4 143.8 215.6





#53
 t-1,3-Dichloropropene
 Concen: 2.054 ug/l
 RT: 10.465 min Scan# 1418
 Delta R.T. -0.000 min
 Lab File: VY016024.D
 Acq: 18 Oct 2023 16:54

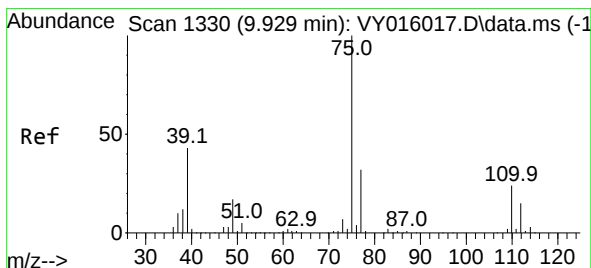
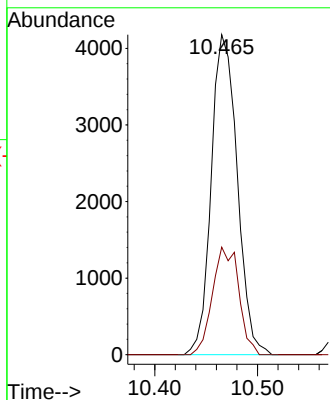
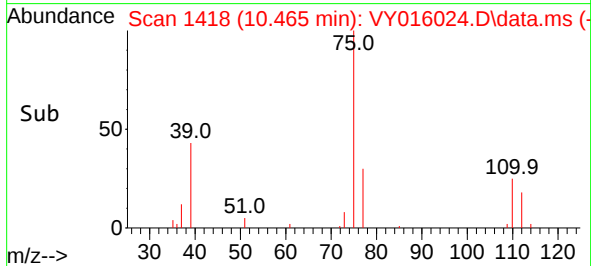
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 75 Resp: 7335
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.0 37.4

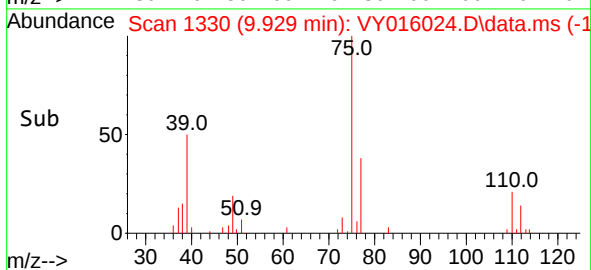
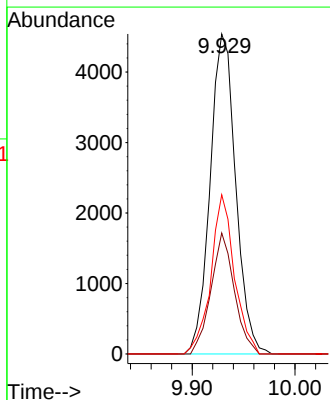
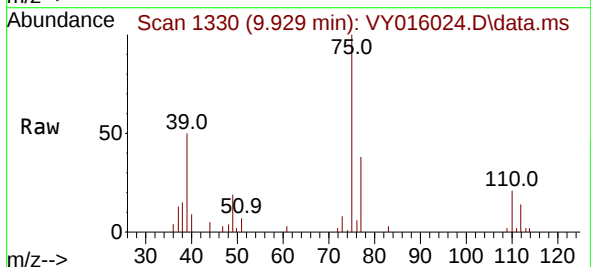
Manual Integrations
 APPROVED

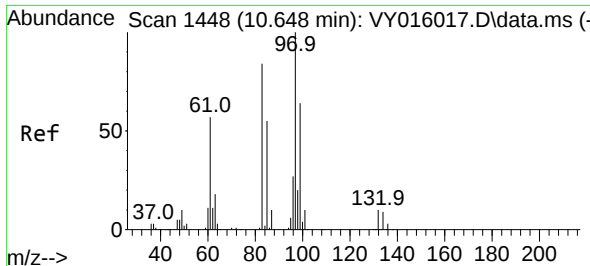
Reviewed By :John Carlone 10/19/2023
 Supervised By :Semsettin Yesilyurt 10/20/2023



#54
 cis-1,3-Dichloropropene
 Concen: 2.020 ug/l
 RT: 9.929 min Scan# 1330
 Delta R.T. -0.000 min
 Lab File: VY016024.D
 Acq: 18 Oct 2023 16:54

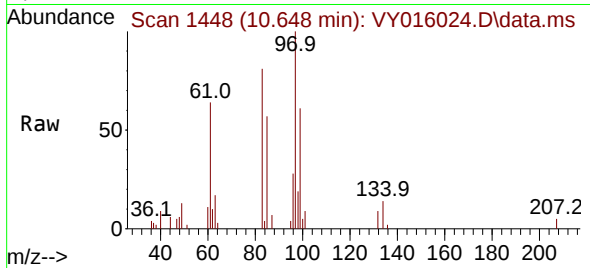
Tgt Ion: 75 Resp: 7864
 Ion Ratio Lower Upper
 75 100
 77 37.8 24.2 36.4#
 39 49.7 42.2 63.4





#55
1,1,2-Trichloroethane
Concen: 2.537 ug/l
RT: 10.648 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

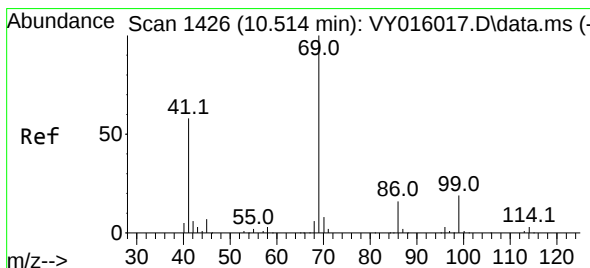
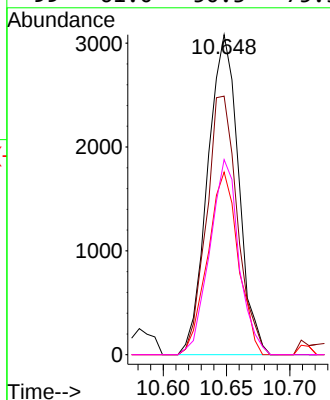
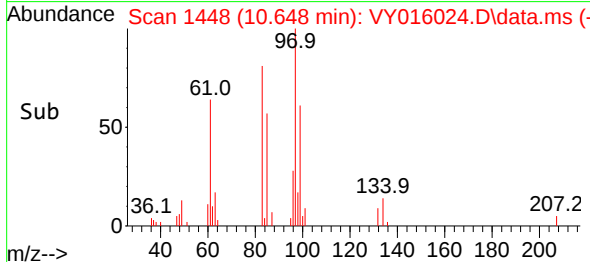
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.8	72.0	108.0
85	57.0	45.4	68.0
99	61.0	50.3	75.5

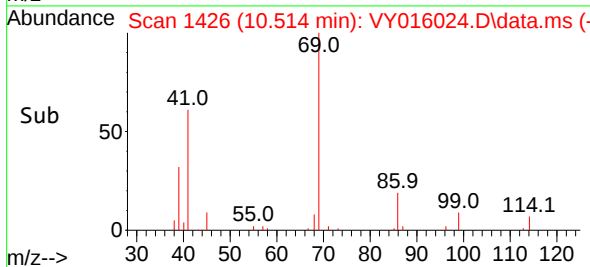
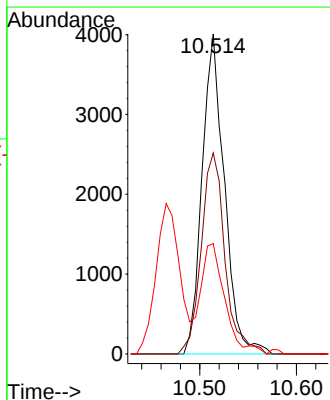
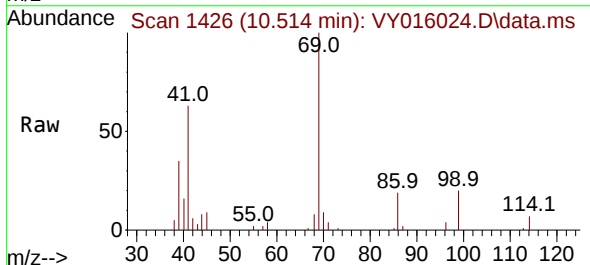
Manual Integrations
APPROVED

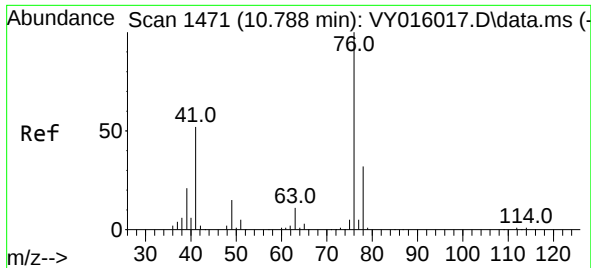
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#56
Ethyl methacrylate
Concen: 2.131 ug/l
RT: 10.514 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.7	57.6	86.4
39	37.7	34.1	51.1





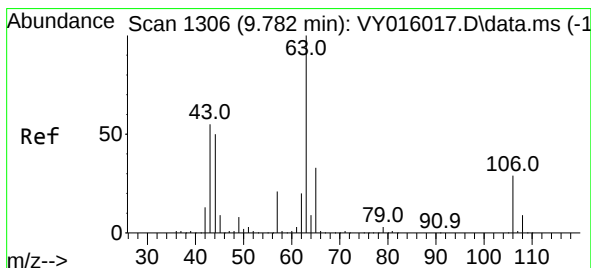
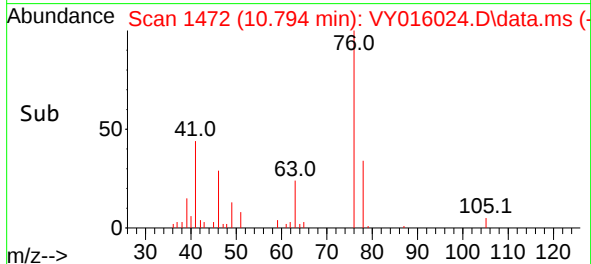
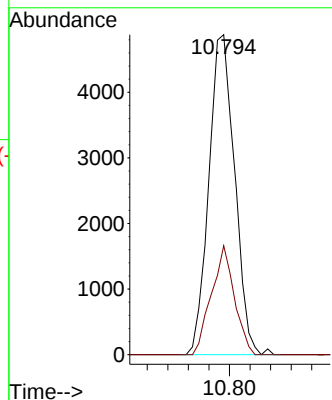
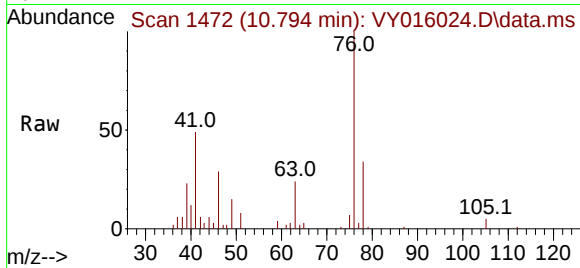
#57
1,3-Dichloropropane
Concen: 2.426 ug/l
RT: 10.794 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 76 Resp: 8504
Ion Ratio Lower Upper
76 100
78 30.3 25.3 37.9

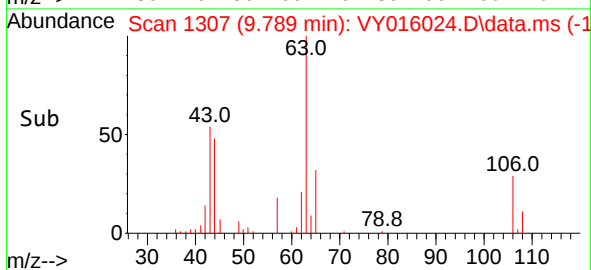
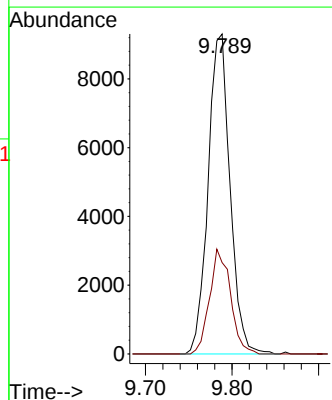
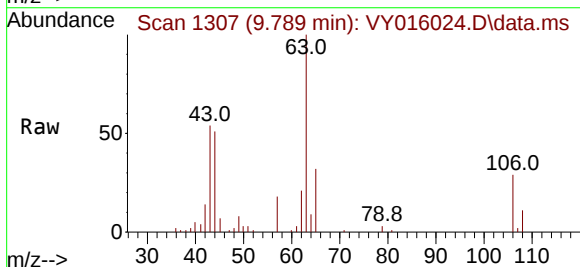
Manual Integrations
APPROVED

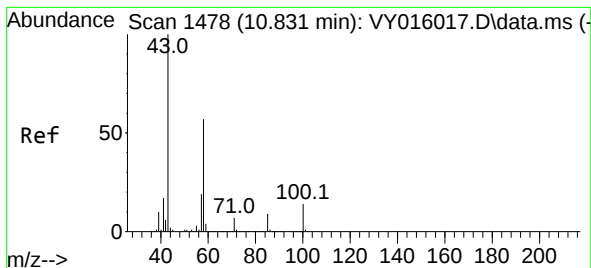
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#58
2-Chloroethyl Vinyl ether
Concen: 11.283 ug/l
RT: 9.789 min Scan# 1307
Delta R.T. 0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

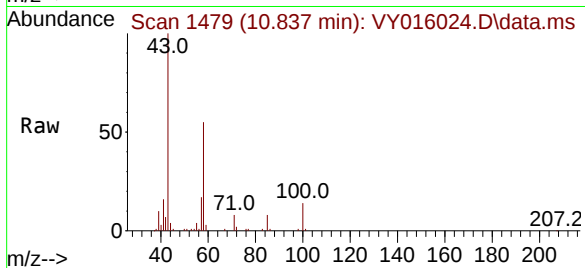
Tgt Ion: 63 Resp: 16368
Ion Ratio Lower Upper
63 100
106 31.3 21.2 31.8





#59
2-Hexanone
Concen: 14.541 ug/l
RT: 10.837 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

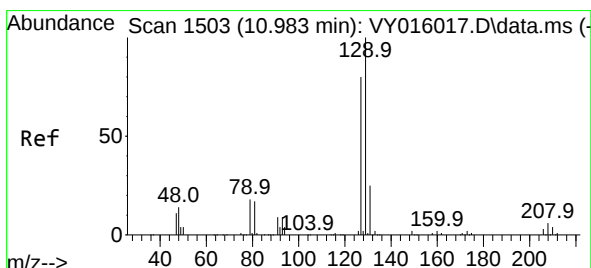
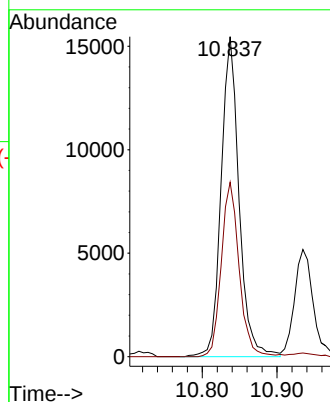
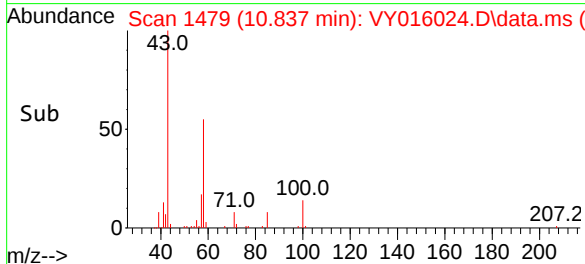
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 43 Resp: 25758
Ion Ratio Lower Upper
43 100
58 54.3 25.1 75.3

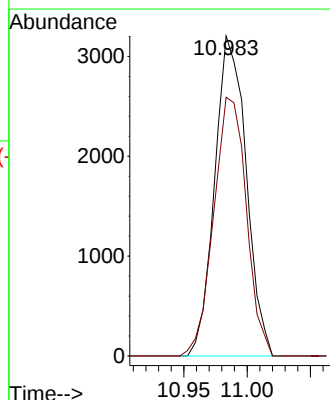
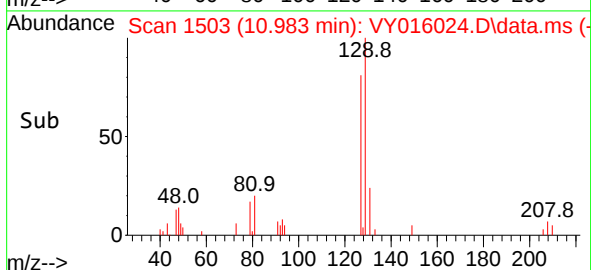
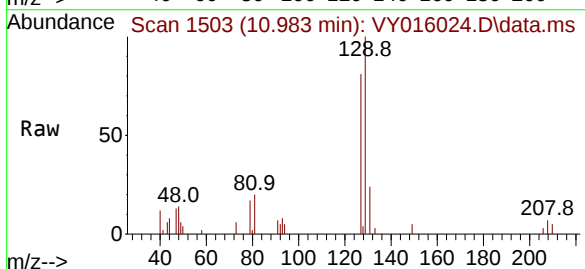
Manual Integrations
APPROVED

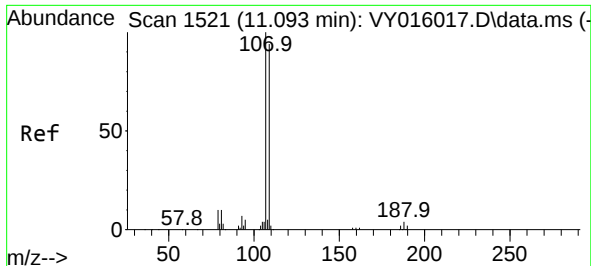
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#60
Dibromochloromethane
Concen: 2.215 ug/l
RT: 10.983 min Scan# 1503
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

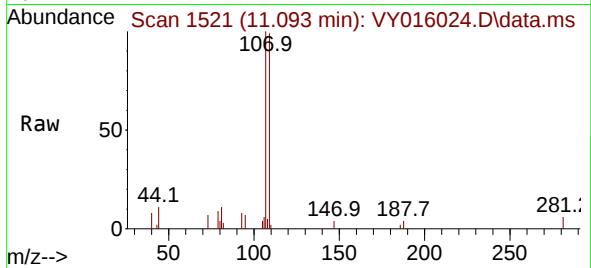
Tgt Ion:129 Resp: 5536
Ion Ratio Lower Upper
129 100
127 83.9 38.5 115.5





#61
1,2-Dibromoethane
Concen: 2.387 ug/l
RT: 11.093 min Scan# 1521
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

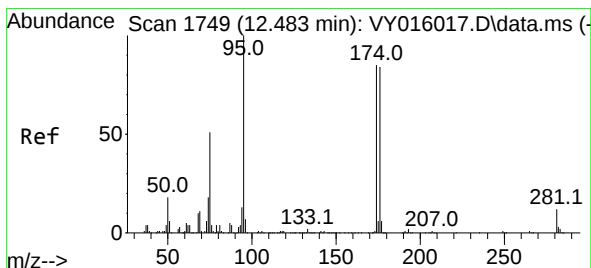
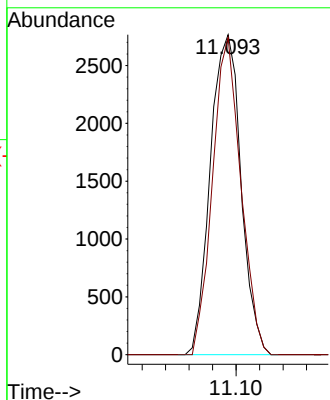
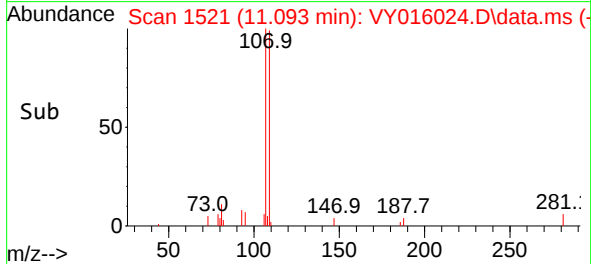
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



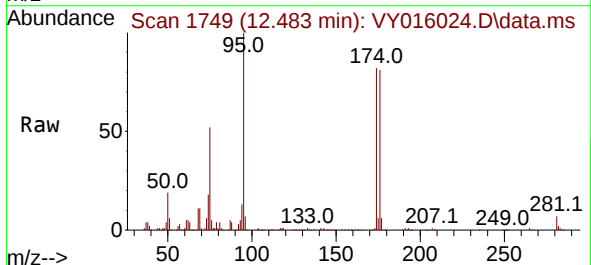
Tgt Ion:107 Resp: 5020
Ion Ratio Lower Upper
107 100
109 91.4 75.6 113.4

Manual Integrations
APPROVED

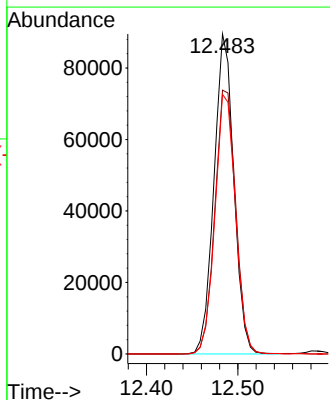
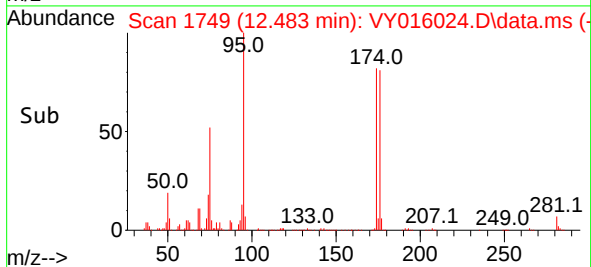
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023

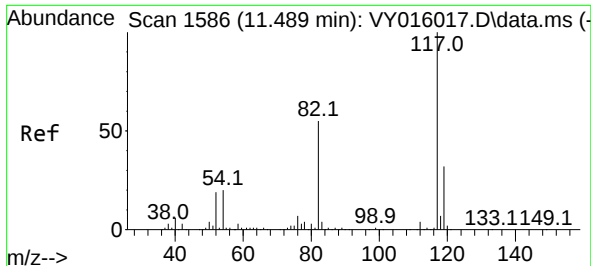


#62
4-Bromofluorobenzene
Concen: 48.835 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54



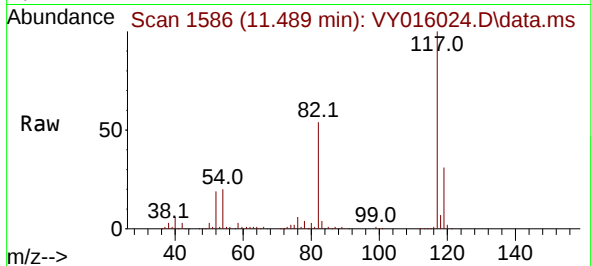
Tgt Ion: 95 Resp: 135133
Ion Ratio Lower Upper
95 100
174 87.0 0.0 178.2
176 84.2 0.0 173.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

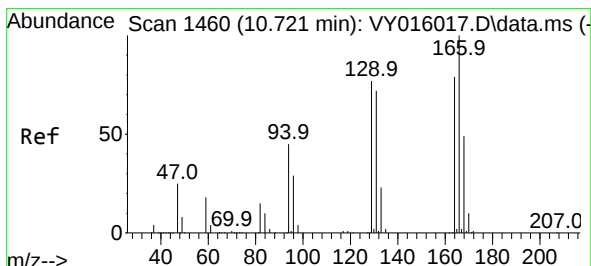
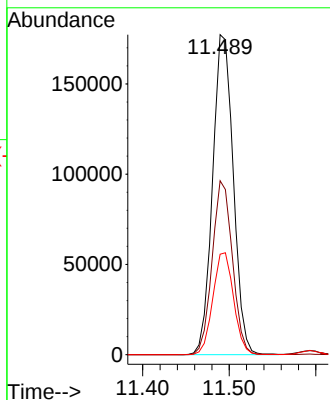
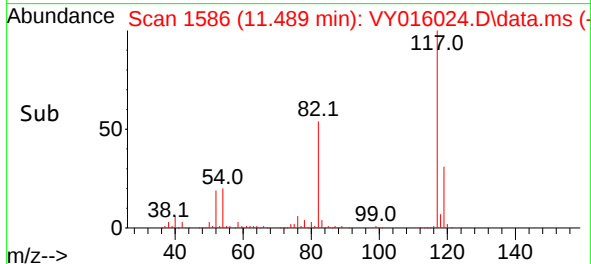
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:117 Resp: 29476
Ion Ratio Lower Upper
117 100
82 54.4 43.4 65.0
119 31.4 26.3 39.5

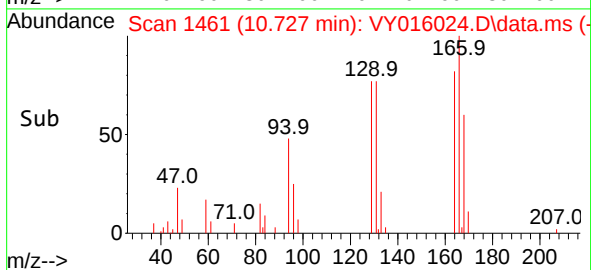
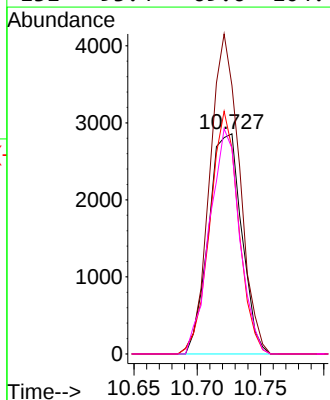
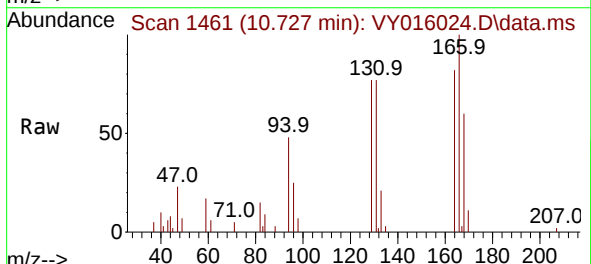
Manual Integrations
APPROVED

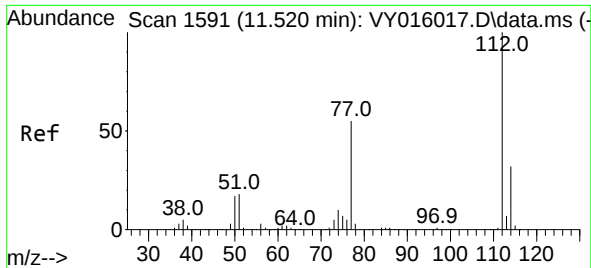
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#64
Tetrachloroethene
Concen: 2.276 ug/l
RT: 10.727 min Scan# 1461
Delta R.T. 0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

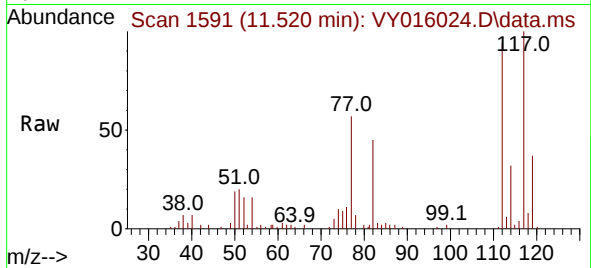
Tgt Ion:164 Resp: 5201
Ion Ratio Lower Upper
164 100
166 121.9 103.0 154.6
129 93.5 77.2 115.8
131 93.4 69.6 104.4





#65
Chlorobenzene
Concen: 2.189 ug/l
RT: 11.520 min Scan# 1159
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

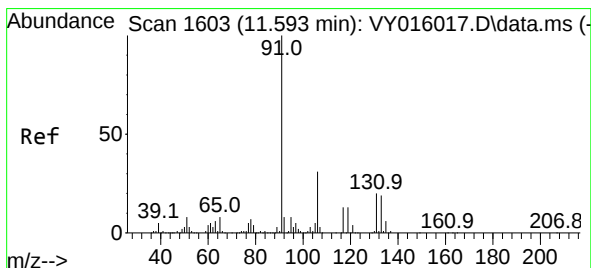
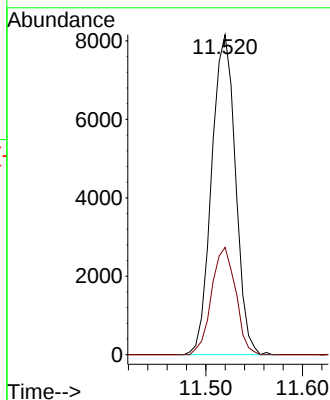
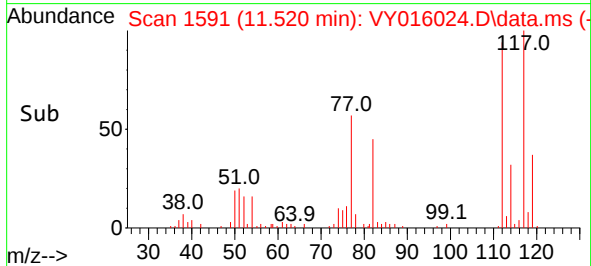
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:112 Resp: 13974
Ion Ratio Lower Upper
112 100
114 33.5 25.5 38.3

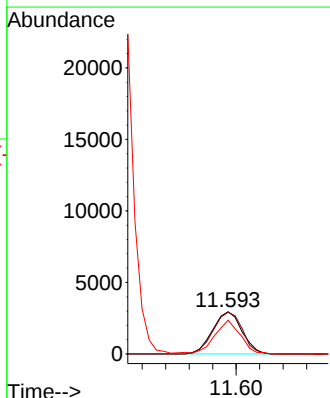
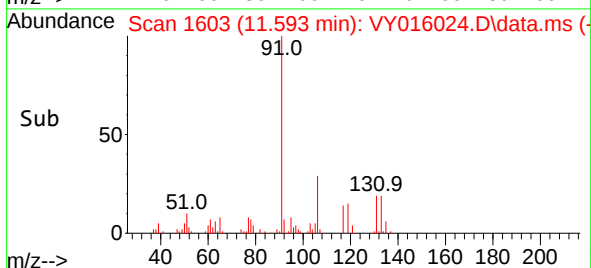
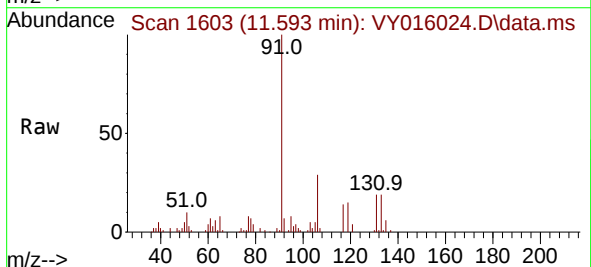
Manual Integrations
APPROVED

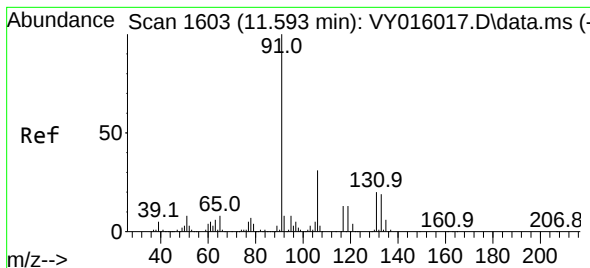
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 2.124 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Tgt Ion:131 Resp: 5110
Ion Ratio Lower Upper
131 100
133 98.8 47.5 142.6
119 70.5 31.6 94.7





#67

Ethyl Benzene

Concen: 2.076 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.000 min

Lab File: VY016024.D

Acq: 18 Oct 2023 16:54

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 91 Resp: 2344

Ion Ratio Lower Upper

91 100

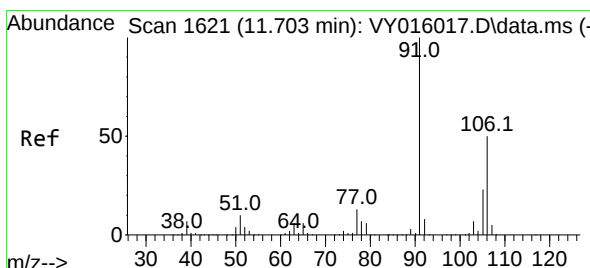
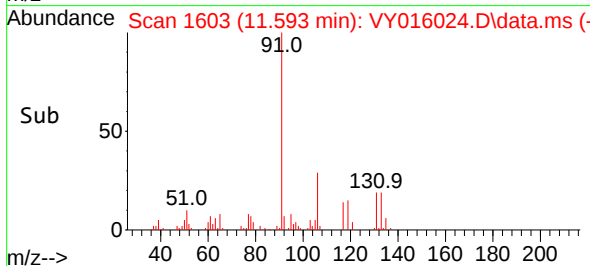
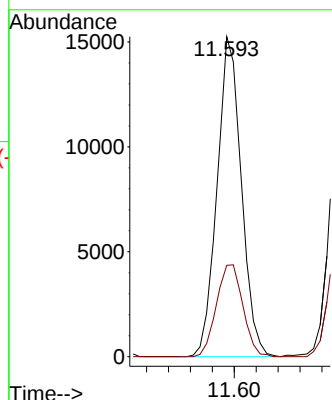
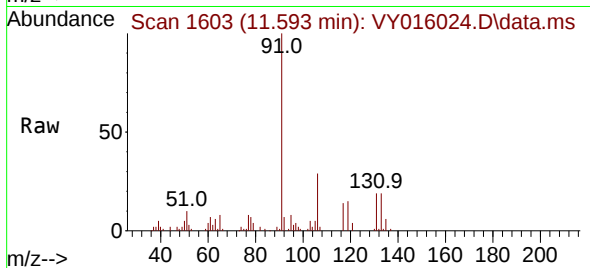
106 28.6 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#68

m/p-Xylenes

Concen: 4.112 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY016024.D

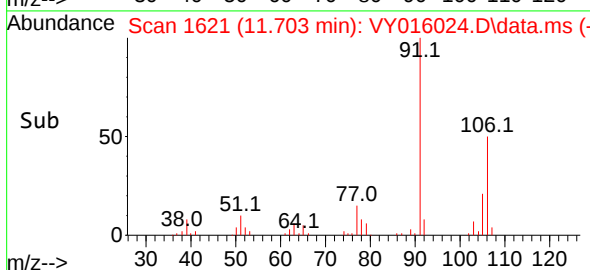
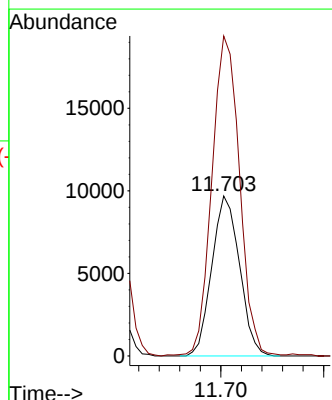
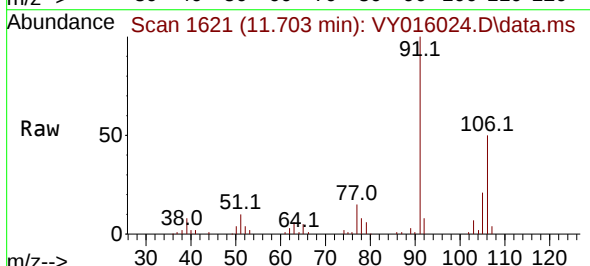
Acq: 18 Oct 2023 16:54

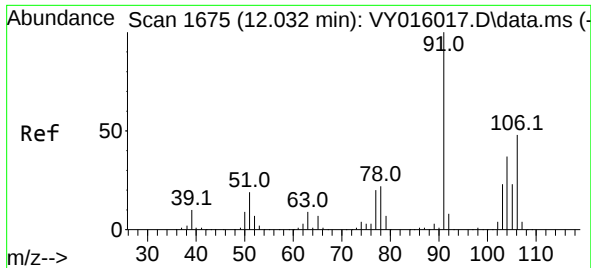
Tgt Ion:106 Resp: 18113

Ion Ratio Lower Upper

106 100

91 199.8 166.1 249.1





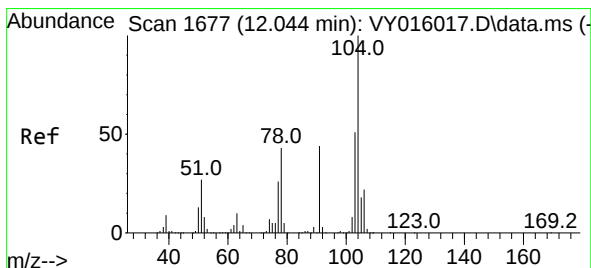
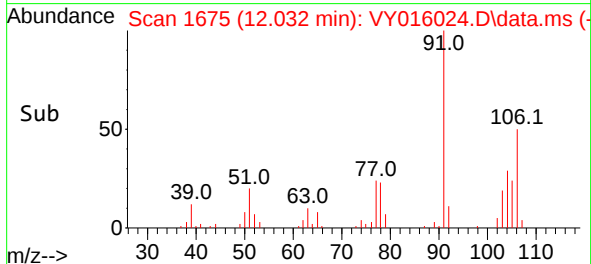
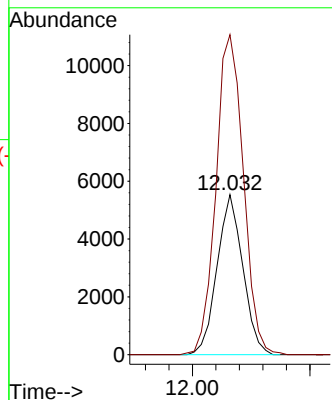
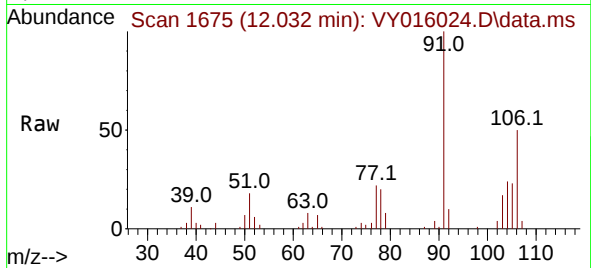
#69
o-Xylene
Concen: 2.009 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:106 Resp: 8420
Ion Ratio Lower Upper
106 100
91 213.3 108.1 324.3

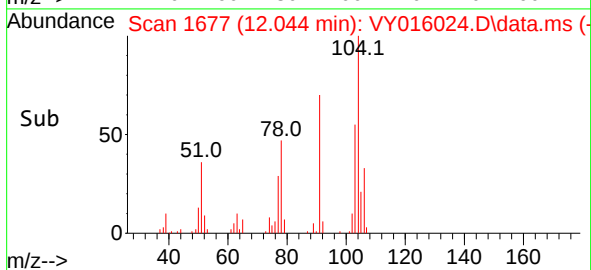
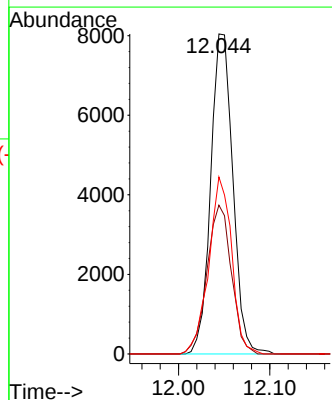
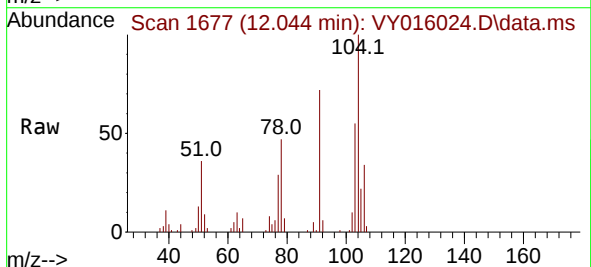
Manual Integrations
APPROVED

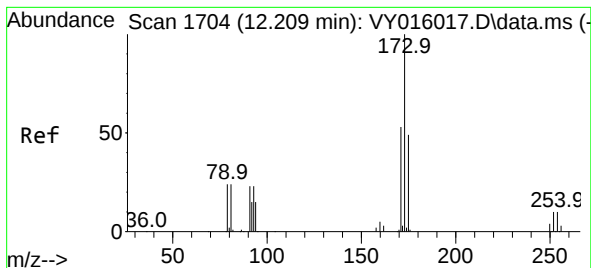
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#70
Styrene
Concen: 1.905 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Tgt Ion:104 Resp: 13605
Ion Ratio Lower Upper
104 100
78 51.1 41.5 62.3
103 57.1 44.6 67.0





#71

Bromoform

Concen: 2.234 ug/l

RT: 12.209 min Scan# 1704

Delta R.T. -0.000 min

Lab File: VY016024.D

Acq: 18 Oct 2023 16:54

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

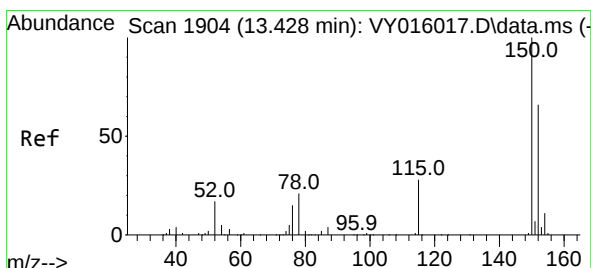
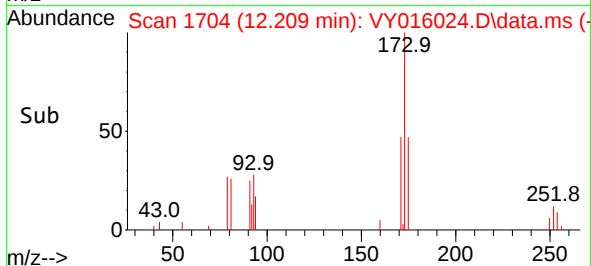
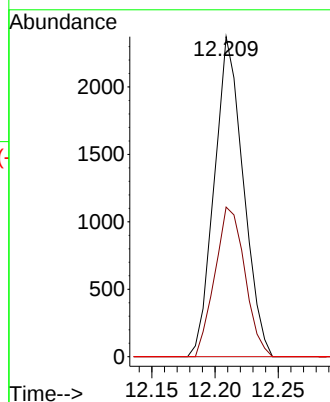
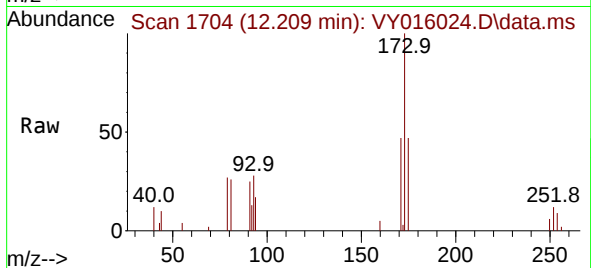
Tgt Ion:	173	Resp:	378
Ion Ratio	Lower	Upper	
173	100		
175	48.3	24.6	73.8
254	0.0	0.2	0.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

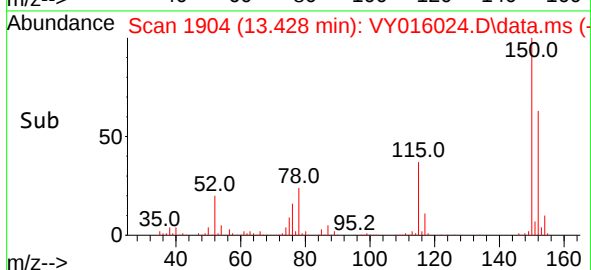
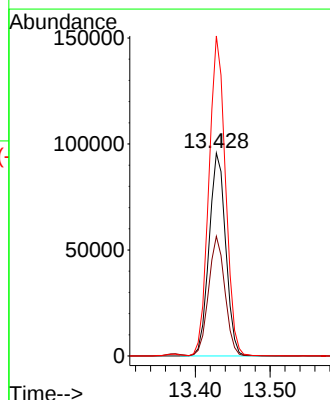
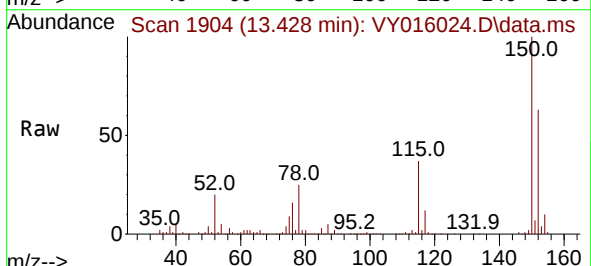
RT: 13.428 min Scan# 1904

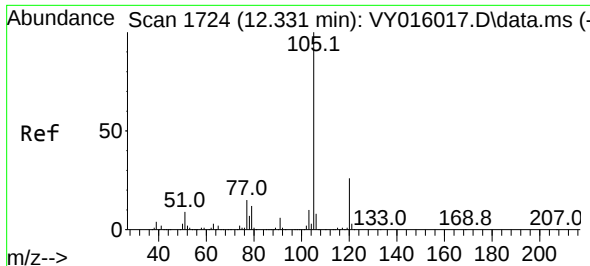
Delta R.T. -0.000 min

Lab File: VY016024.D

Acq: 18 Oct 2023 16:54

Tgt Ion:	152	Resp:	147371
Ion Ratio	Lower	Upper	
152	100		
115	58.2	28.8	86.5
150	157.2	0.0	348.8





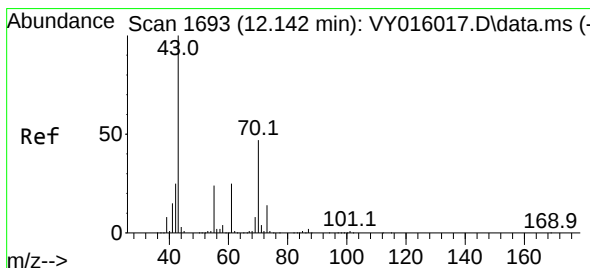
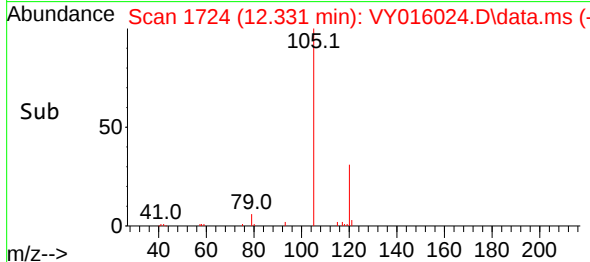
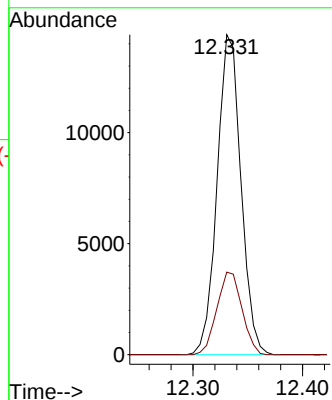
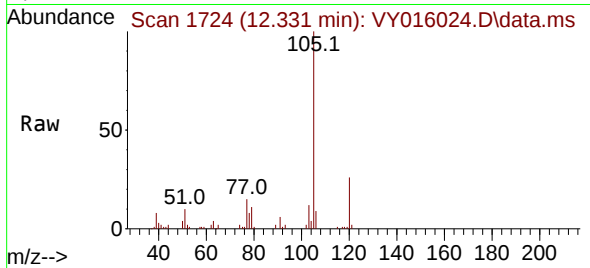
#73
Isopropylbenzene
Concen: 1.978 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:105 Resp: 2180
Ion Ratio Lower Upper
105 100
120 27.0 13.3 39.9

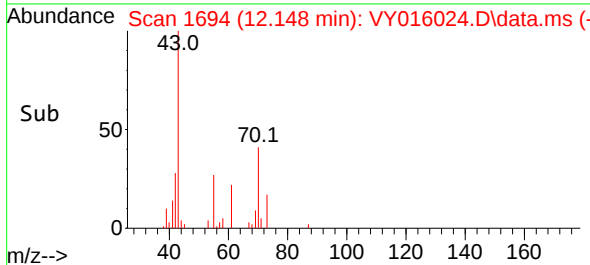
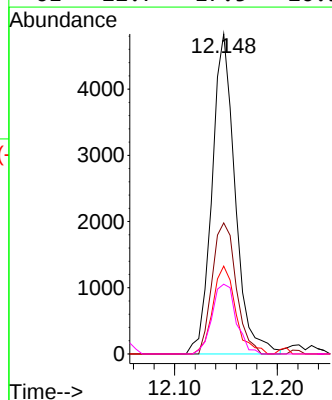
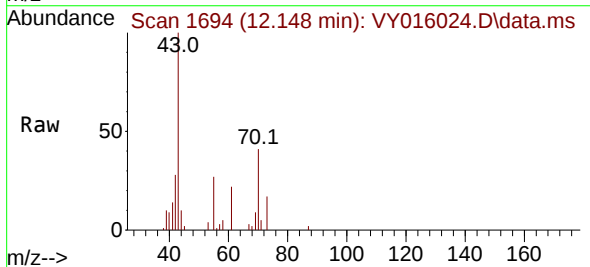
Manual Integrations
APPROVED

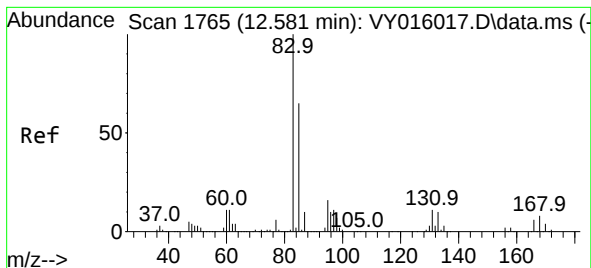
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#74
N-ethyl acetate
Concen: 2.163 ug/l
RT: 12.148 min Scan# 1694
Delta R.T. 0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Tgt Ion: 43 Resp: 7533
Ion Ratio Lower Upper
43 100
70 42.3 29.7 44.5
55 27.0 18.3 27.5
61 22.7 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 2.546 ug/l

RT: 12.587 min Scan# 1765

Delta R.T. 0.006 min

Lab File: VY016024.D

Acq: 18 Oct 2023 16:54

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

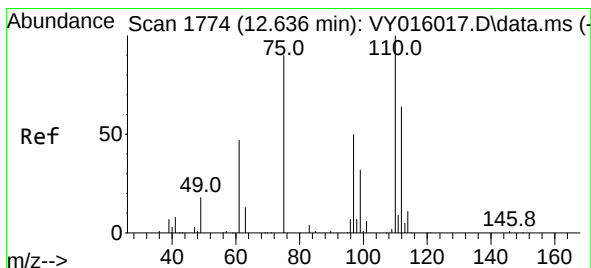
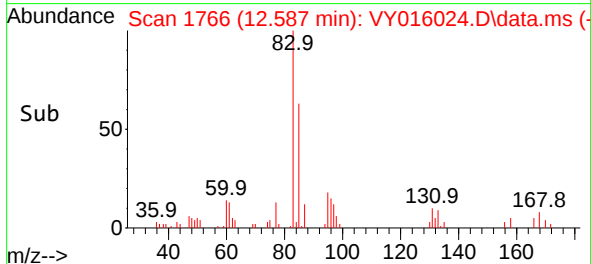
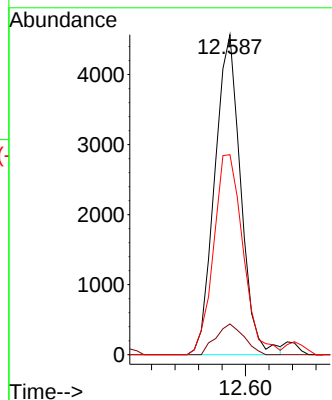
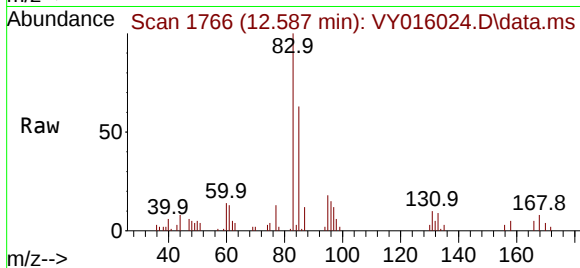
Tgt Ion:	83	Resp:	7030
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.4	16.2
85	70.9	31.8	95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#76

1,2,3-Trichloropropane

Concen: 3.021 ug/l m

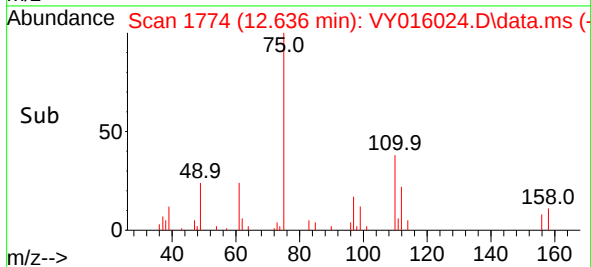
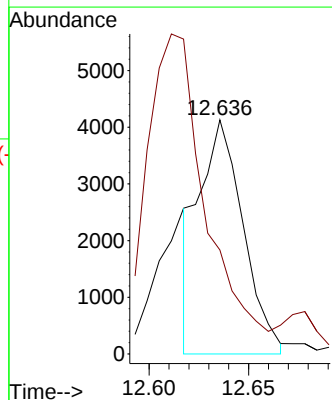
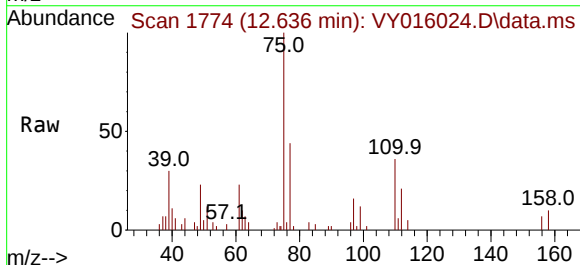
RT: 12.636 min Scan# 1774

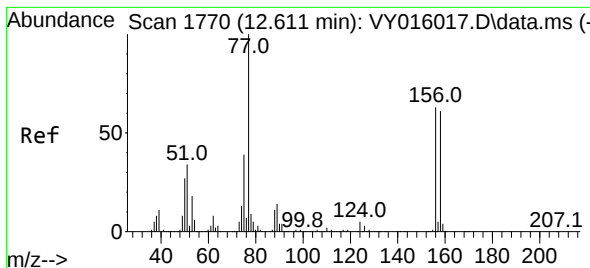
Delta R.T. -0.000 min

Lab File: VY016024.D

Acq: 18 Oct 2023 16:54

Tgt Ion:	75	Resp:	6303
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 2.258 ug/l

RT: 12.611 min Scan# 1770

Delta R.T. -0.000 min

Lab File: VY016024.D

Acq: 18 Oct 2023 16:54

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

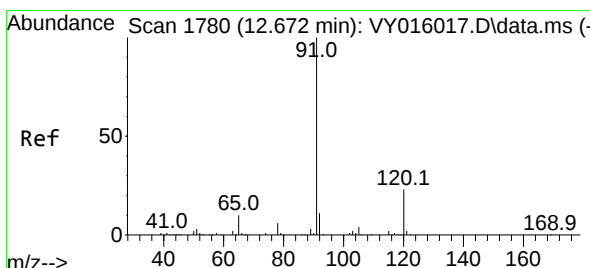
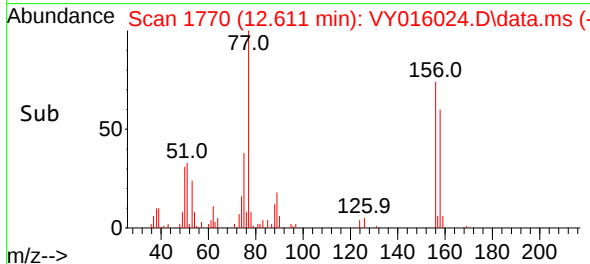
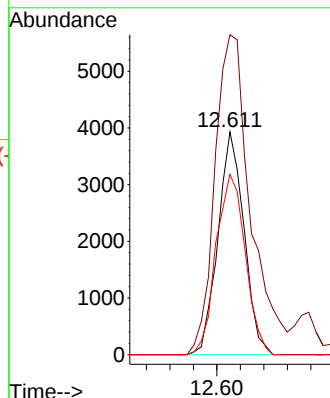
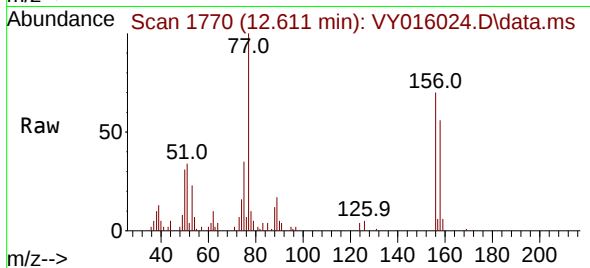
Tgt Ion:	156	Resp:	604
Ion Ratio	Lower	Upper	
156	100		
77	196.0	92.8	278.6
158	90.9	48.4	145.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#78

n-propylbenzene

Concen: 2.059 ug/l

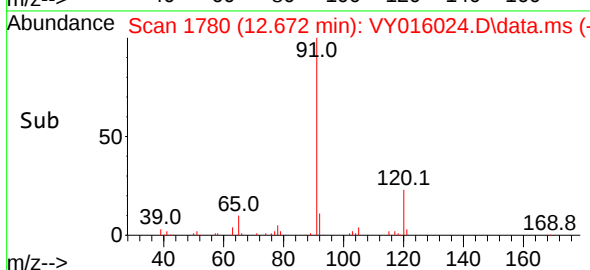
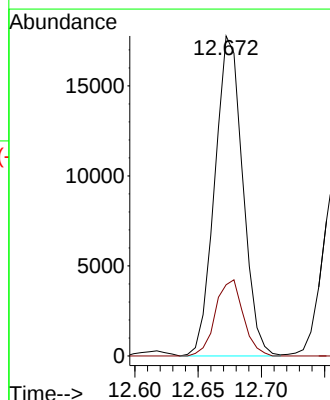
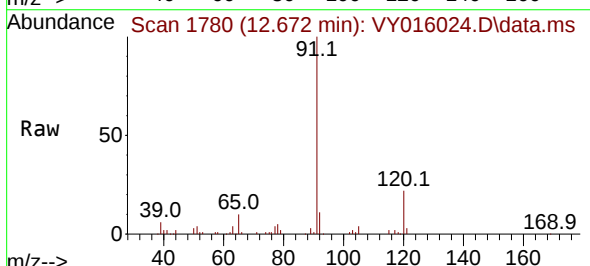
RT: 12.672 min Scan# 1780

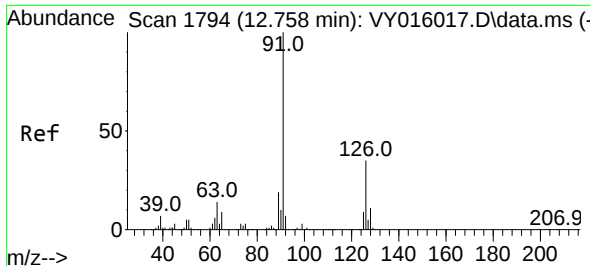
Delta R.T. -0.000 min

Lab File: VY016024.D

Acq: 18 Oct 2023 16:54

Tgt Ion:	91	Resp:	27346
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.5	34.4





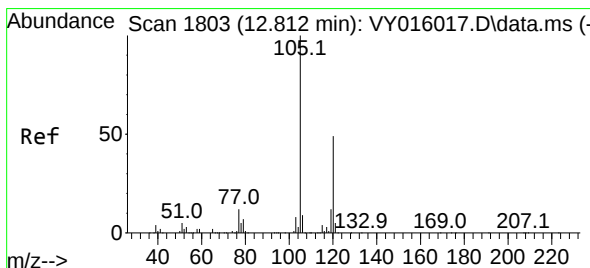
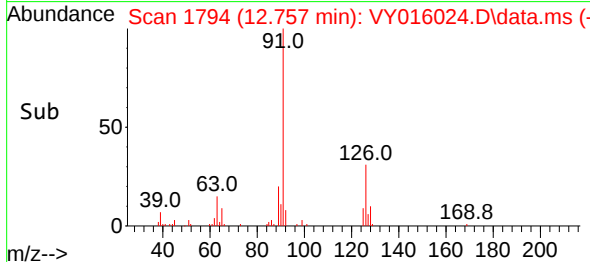
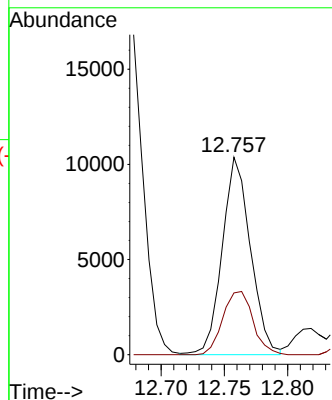
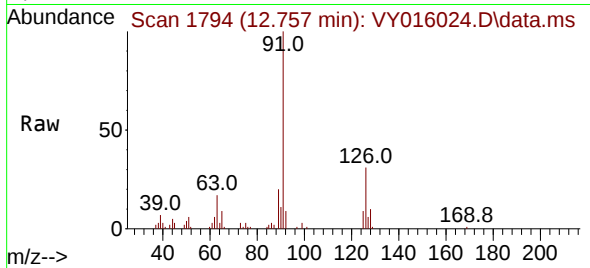
#79
2-Chlorotoluene
Concen: 2.164 ug/l
RT: 12.757 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 91 Resp: 1612
Ion Ratio Lower Upper
91 100
126 34.1 17.3 51.7

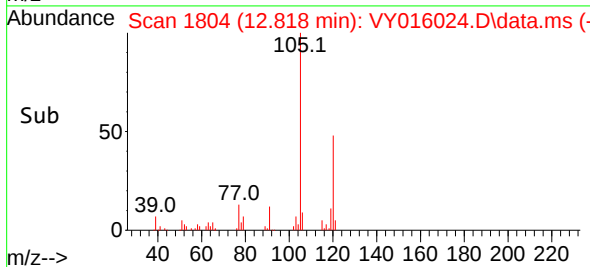
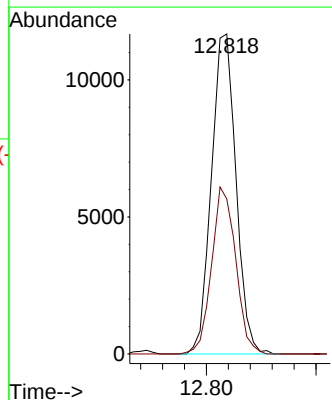
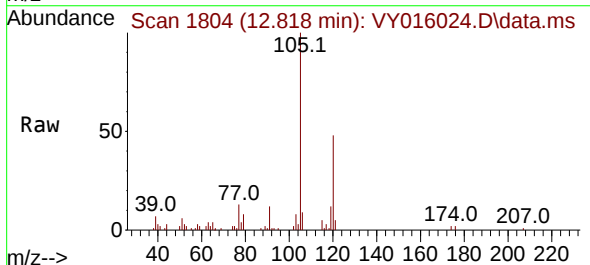
Manual Integrations
APPROVED

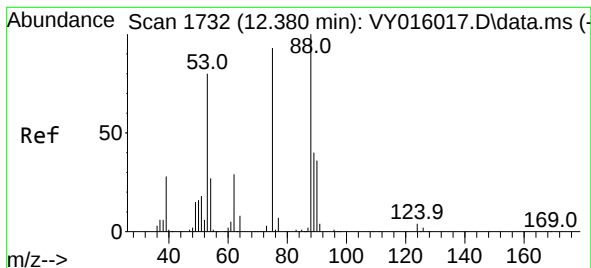
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#80
1,3,5-Trimethylbenzene
Concen: 1.989 ug/l
RT: 12.818 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

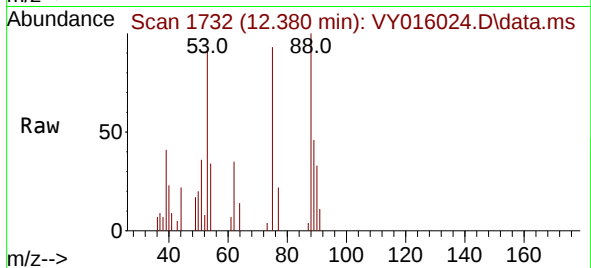
Tgt Ion:105 Resp: 18166
Ion Ratio Lower Upper
105 100
120 51.1 23.9 71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 2.417 ug/l
RT: 12.380 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

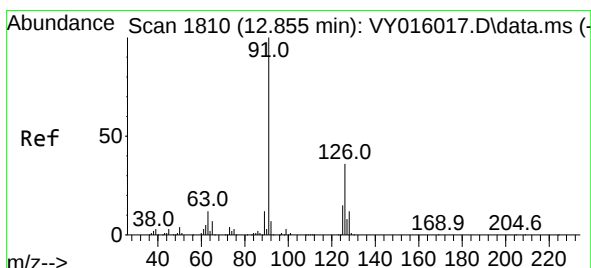
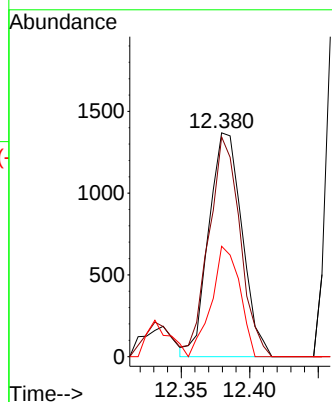
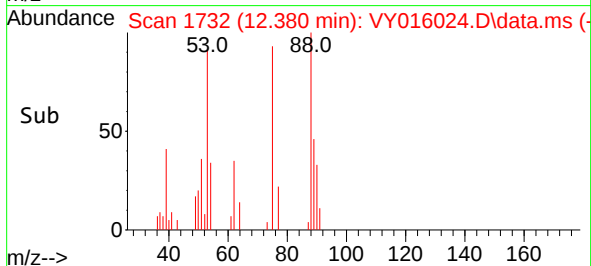
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 75 Resp: 2310
Ion Ratio Lower Upper
75 100
53 92.4 77.8 116.8
89 41.9 37.4 56.0

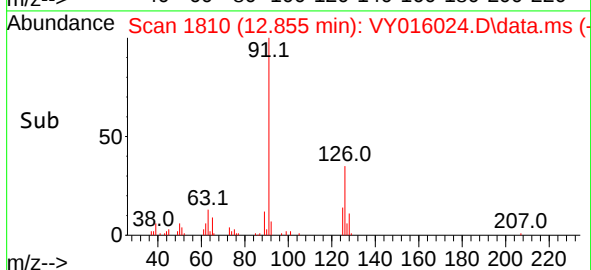
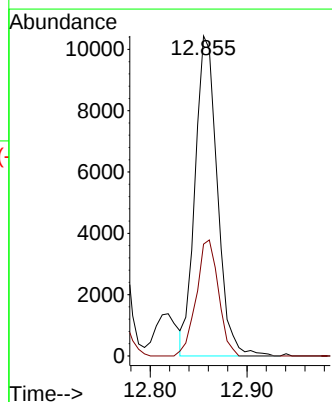
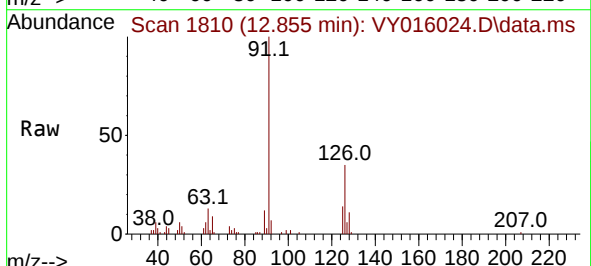
Manual Integrations
APPROVED

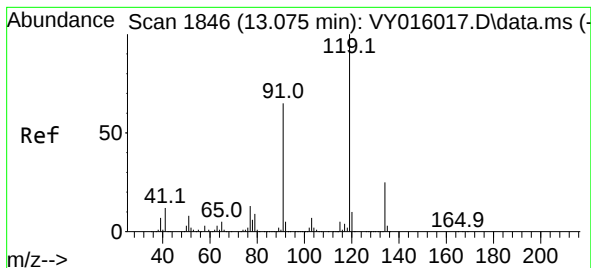
Reviewed By :John Carbone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#82
4-Chlorotoluene
Concen: 2.148 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Tgt Ion: 91 Resp: 16704
Ion Ratio Lower Upper
91 100
126 36.1 17.2 51.6





#83

tert-Butylbenzene

Concen: 2.045 ug/l

RT: 13.081 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VY016024.D

Acq: 18 Oct 2023 16:54

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

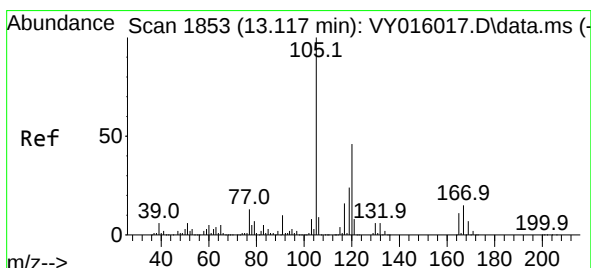
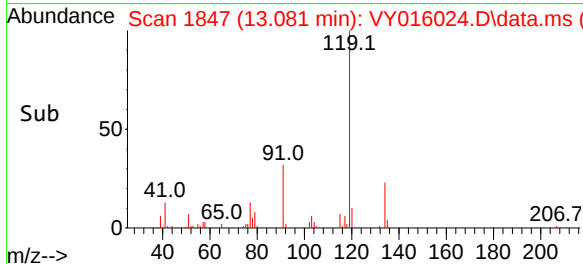
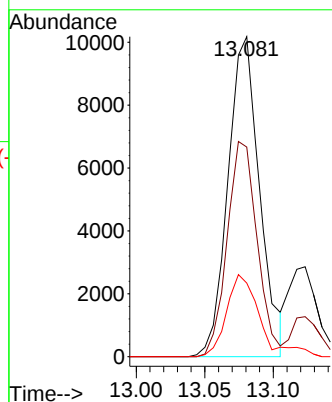
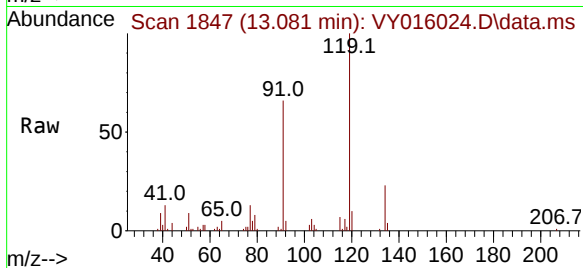
Tgt Ion:	119	Resp:	1637
Ion Ratio	Lower	Upper	
119	100		
91	63.7	32.9	98.6
134	25.6	13.0	38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#84

1,2,4-Trimethylbenzene

Concen: 1.996 ug/l

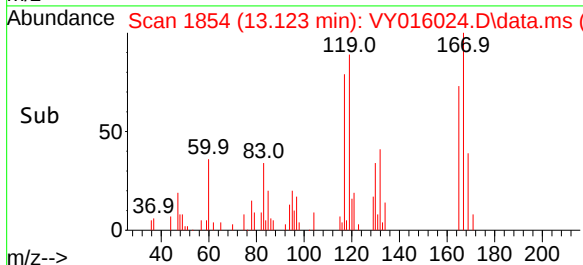
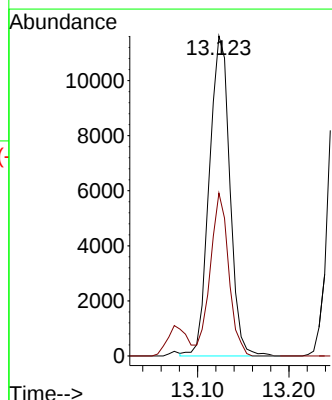
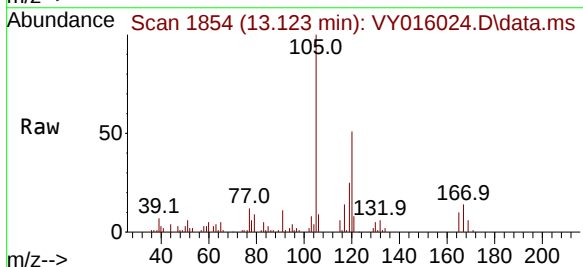
RT: 13.123 min Scan# 1854

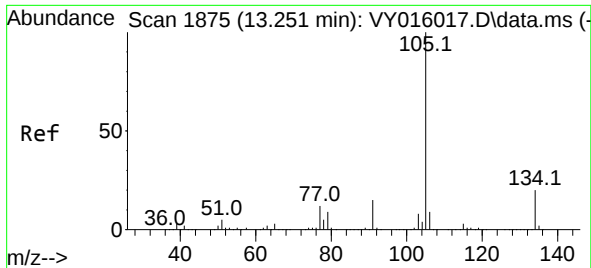
Delta R.T. 0.006 min

Lab File: VY016024.D

Acq: 18 Oct 2023 16:54

Tgt Ion:	105	Resp:	18099
Ion Ratio	Lower	Upper	
105	100		
120	45.5	22.2	66.6





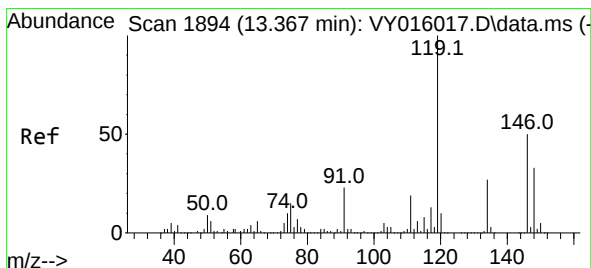
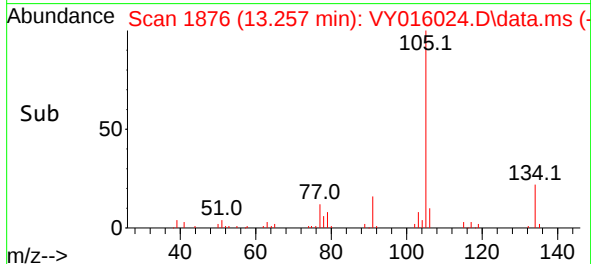
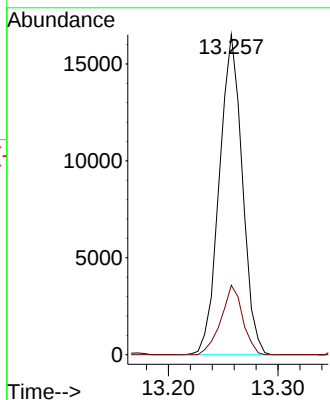
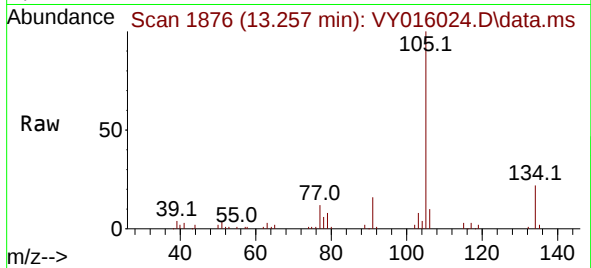
#85
 sec-Butylbenzene
 Concen: 2.010 ug/l
 RT: 13.257 min Scan# 1875
 Delta R.T. 0.006 min
 Lab File: VY016024.D
 Acq: 18 Oct 2023 16:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:105 Resp: 2403
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.2 30.6

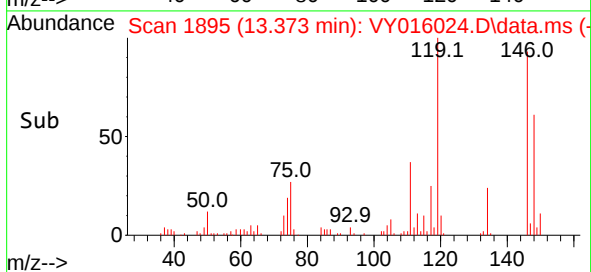
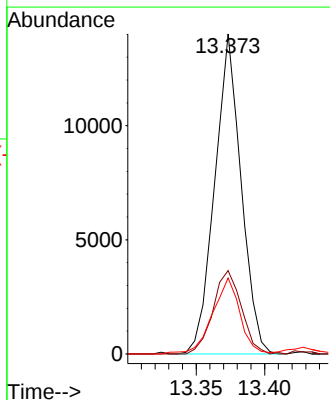
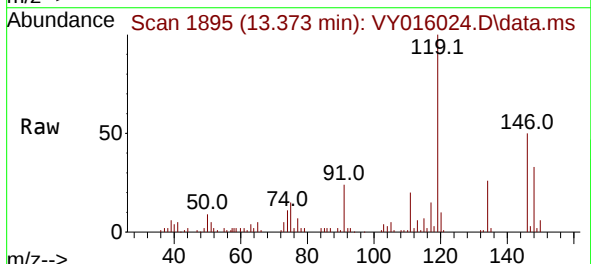
Manual Integrations
 APPROVED

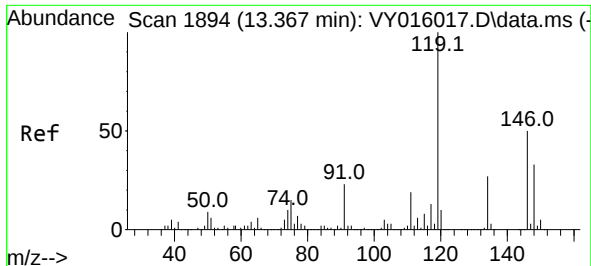
Reviewed By :John Carlone 10/19/2023
 Supervised By :Semsettin Yesilyurt 10/20/2023



#86
 p-Isopropyltoluene
 Concen: 1.878 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.006 min
 Lab File: VY016024.D
 Acq: 18 Oct 2023 16:54

Tgt Ion:119 Resp: 18768
 Ion Ratio Lower Upper
 119 100
 134 28.0 13.3 39.8
 91 24.6 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 2.274 ug/l

RT: 13.367 min Scan# 11839

Delta R.T. -0.000 min

Lab File: VY016024.D

Acq: 18 Oct 2023 16:54

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

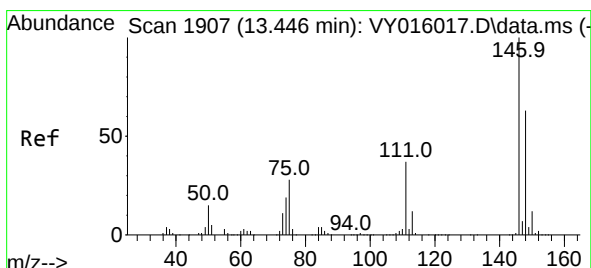
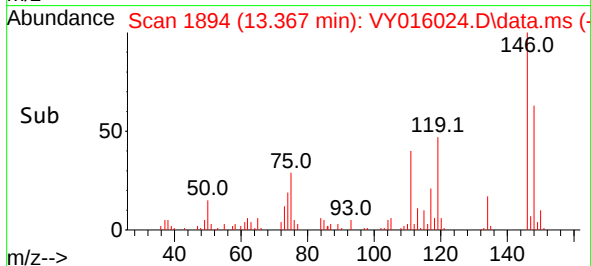
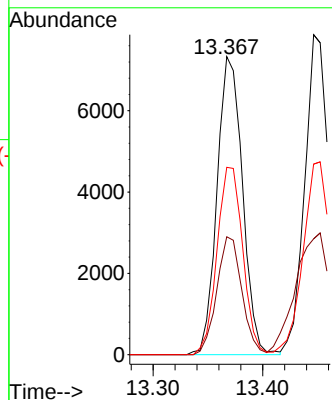
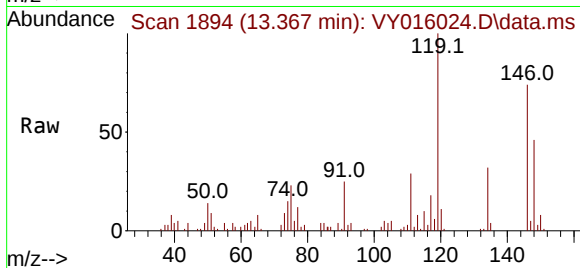
Tgt Ion:146	Resp:	11839
Ion Ratio	Lower	Upper
146	100	
111	39.0	19.4 58.2
148	63.8	31.9 95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#88

1,4-Dichlorobenzene

Concen: 2.341 ug/l

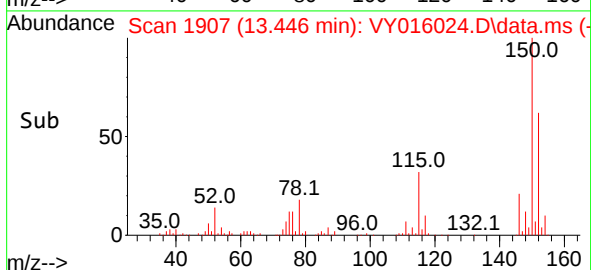
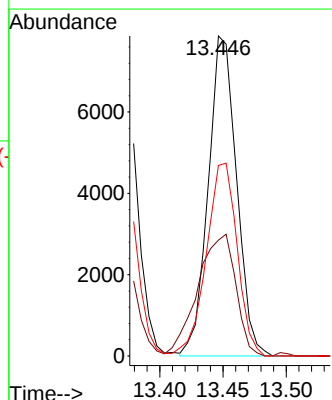
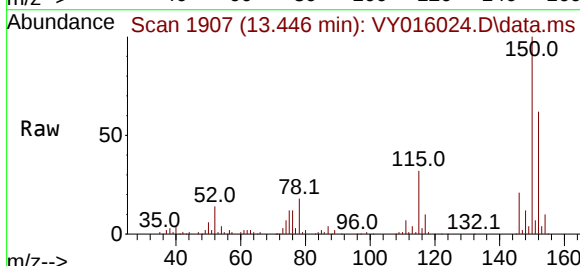
RT: 13.446 min Scan# 1907

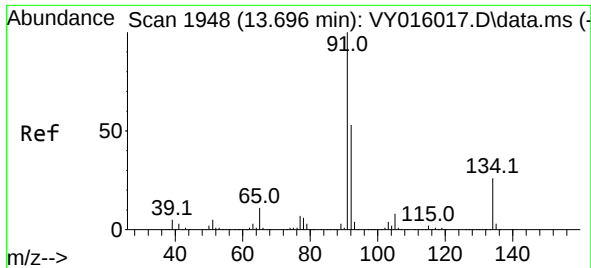
Delta R.T. -0.000 min

Lab File: VY016024.D

Acq: 18 Oct 2023 16:54

Tgt Ion:146	Resp:	12271
Ion Ratio	Lower	Upper
146	100	
111	51.0	18.9 56.7
148	65.4	32.1 96.5





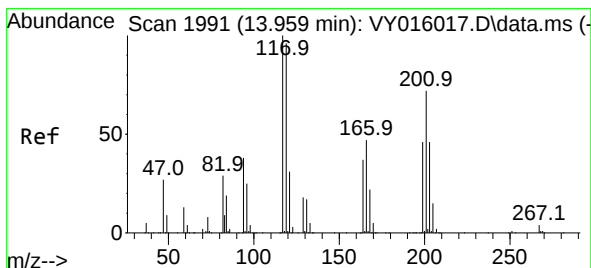
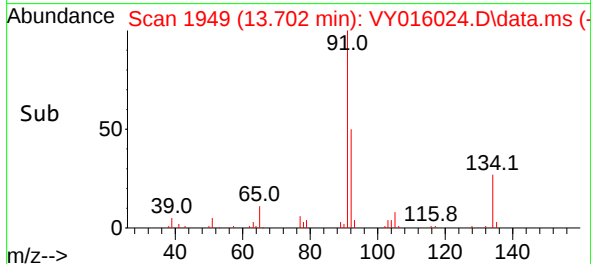
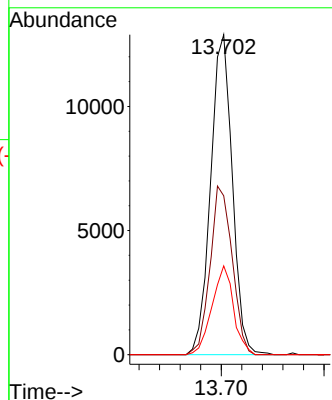
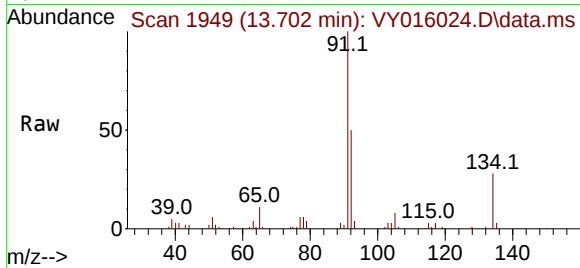
#89
n-Butylbenzene
Concen: 2.027 ug/l
RT: 13.702 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 91 Resp: 1885
Ion Ratio Lower Upper
91 100
92 53.7 25.4 76.0
134 27.6 12.6 37.6

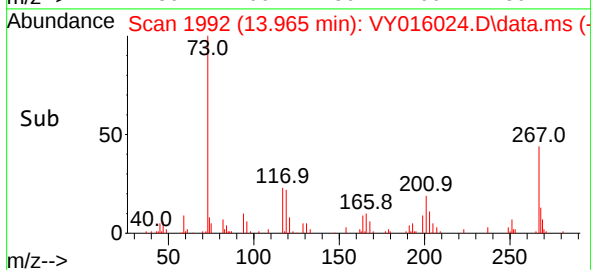
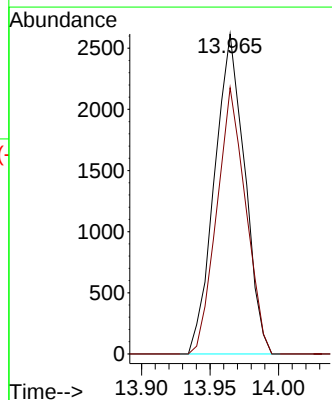
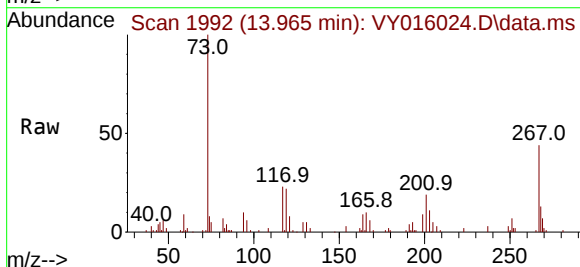
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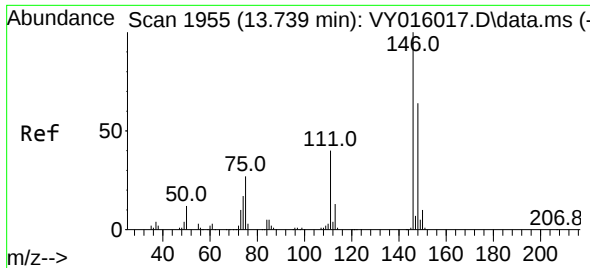
Reviewed By :John Carbone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#90
Hexachloroethane
Concen: 2.105 ug/l
RT: 13.965 min Scan# 1992
Delta R.T. 0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Tgt Ion:117 Resp: 4010
Ion Ratio Lower Upper
117 100
201 79.8 41.6 124.8





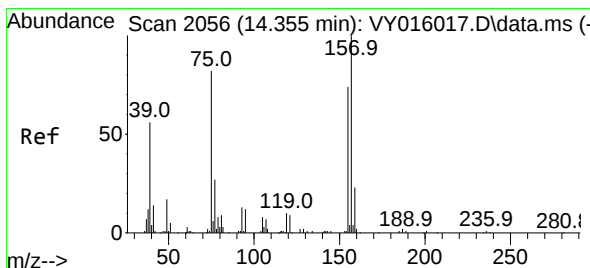
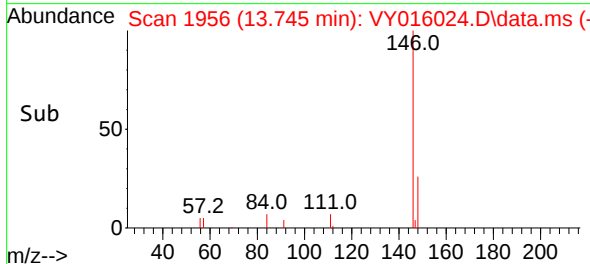
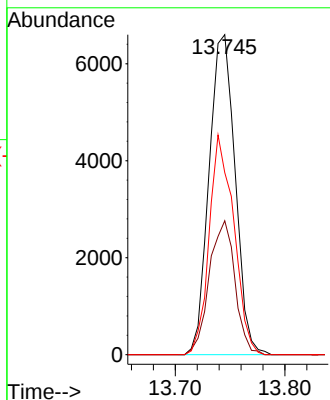
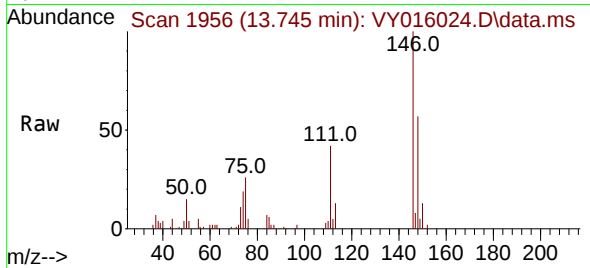
#91
1,2-Dichlorobenzene
Concen: 2.283 ug/l
RT: 13.745 min Scan# 1955
Delta R.T. 0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:146 Resp: 10914
Ion Ratio Lower Upper
146 100
111 41.3 19.7 59.0
148 64.8 32.0 96.2

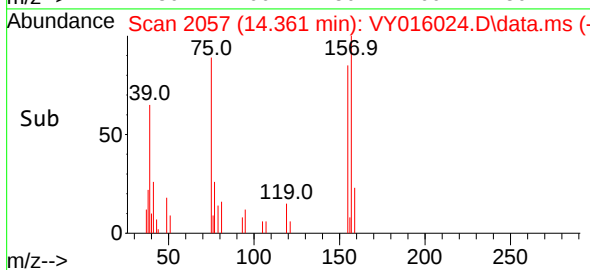
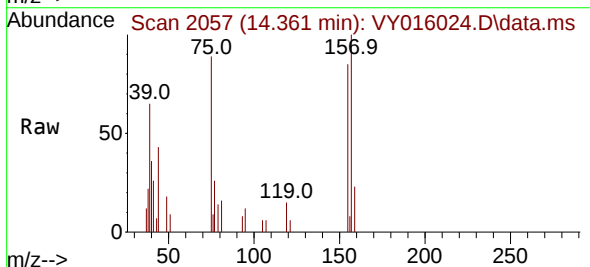
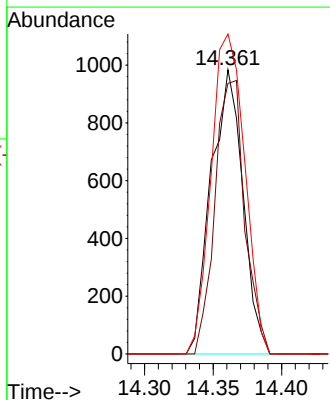
Manual Integrations
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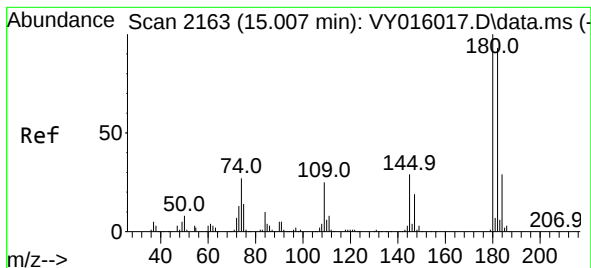
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.027 ug/l
RT: 14.361 min Scan# 2057
Delta R.T. 0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Tgt Ion: 75 Resp: 1591
Ion Ratio Lower Upper
75 100
155 90.3 41.5 124.6
157 119.2 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 2.397 ug/l

RT: 15.013 min Scan# 2164

Delta R.T. 0.006 min

Lab File: VY016024.D

Acq: 18 Oct 2023 16:54

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

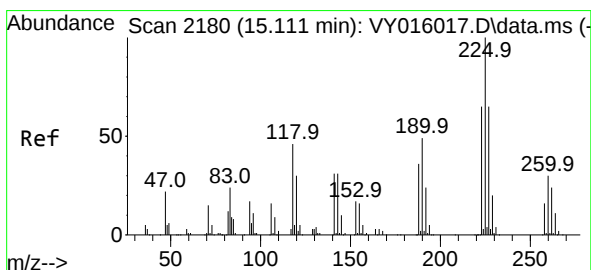
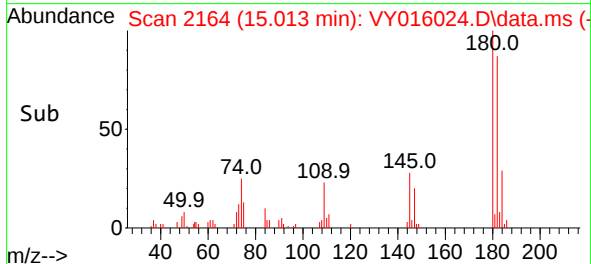
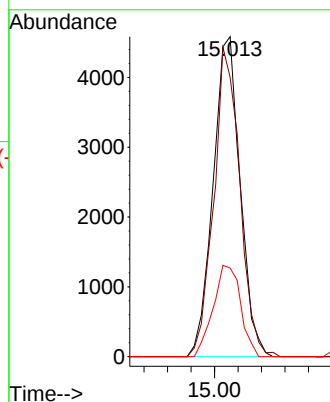
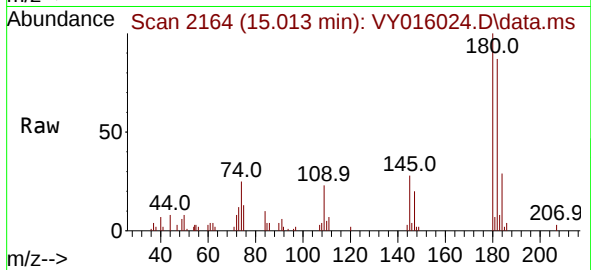
Tgt Ion:180	Resp:	7299
Ion Ratio	Lower	Upper
180	100	
182	93.2	47.0 141.2
145	28.9	14.5 43.5

Manual Integrations

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Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#94

Hexachlorobutadiene

Concen: 2.274 ug/l

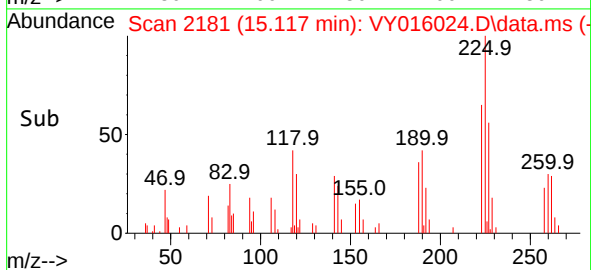
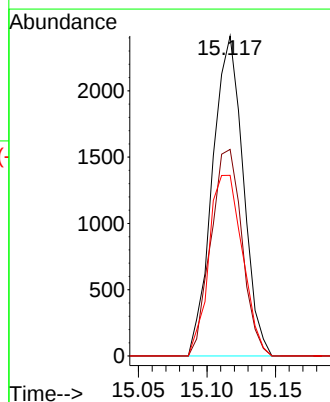
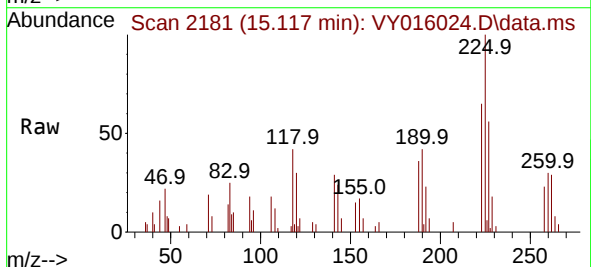
RT: 15.117 min Scan# 2181

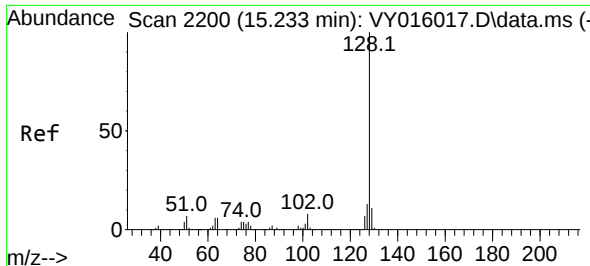
Delta R.T. 0.006 min

Lab File: VY016024.D

Acq: 18 Oct 2023 16:54

Tgt Ion:225	Resp:	3761
Ion Ratio	Lower	Upper
225	100	
223	65.5	31.9 95.9
227	61.8	33.0 98.9





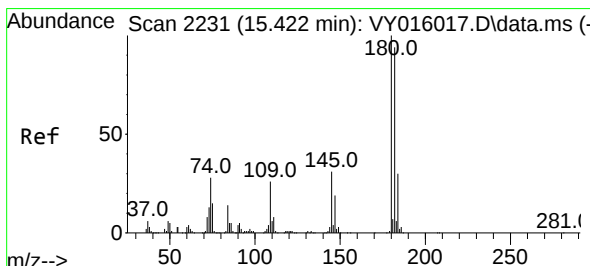
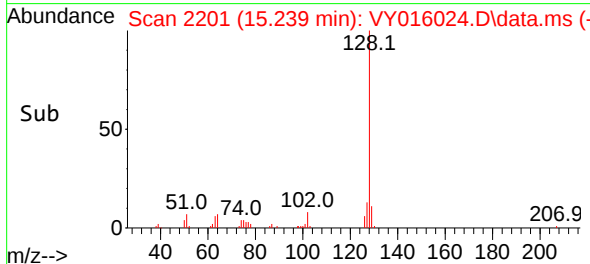
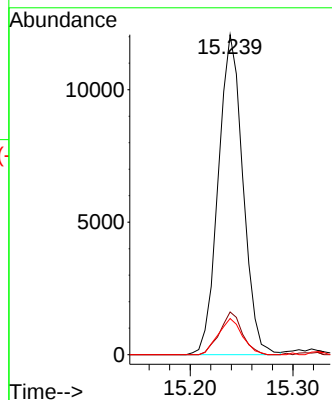
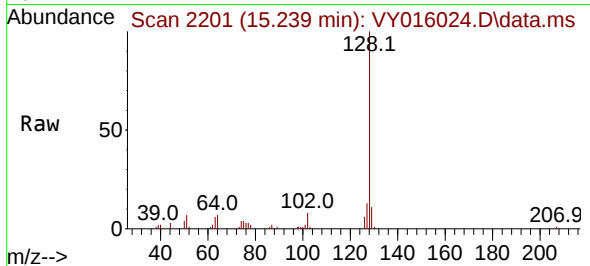
#95
Naphthalene
Concen: 2.693 ug/l
RT: 15.239 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:128 Resp: 2012
Ion Ratio Lower Upper
128 100
127 12.2 10.8 16.2
129 11.1 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#96
1,2,3-Trichlorobenzene
Concen: 2.529 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY016024.D
Acq: 18 Oct 2023 16:54

Tgt Ion:180 Resp: 7034
Ion Ratio Lower Upper
180 100
182 92.9 47.3 141.8
145 32.4 15.4 46.2

