

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
 Data File : VY016025.D
 Acq On : 18 Oct 2023 17:17
 Operator : SY/MD
 Sample : 04699-01 4.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Oct 19 04:41:02 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	7.795	168	198339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	319995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	287690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	146499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	112334	49.832	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.660%		
35) Dibromofluoromethane	7.722	113	100324	47.632	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.260%		
50) Toluene-d8	10.185	98	358490	46.864	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.720%		
62) 4-Bromofluorobenzene	12.483	95	127290	46.635	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.280%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	5971	3.643	ug/l	97
3) Chloromethane	2.113	50	8072	3.900	ug/l	97
4) Vinyl Chloride	2.247	62	8860	3.814	ug/l	95
5) Bromomethane	2.656	94	7110	4.196	ug/l	96
6) Chloroethane	2.790	64	5723	3.831	ug/l	97
7) Trichlorofluoromethane	3.125	101	15556	4.400	ug/l	92
8) Diethyl Ether	3.534	74	5204	4.167	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.887	101	8267	4.065	ug/l	92
10) Methyl Iodide	4.088	142	9906	3.731	ug/l	97
11) Tert butyl alcohol	5.027	59	7946m	22.834	ug/l	
12) 1,1-Dichloroethene	3.869	96	7496	3.940	ug/l	88
13) Acrolein	3.741	56	6640	22.152	ug/l	99
14) Allyl chloride	4.485	41	11190	3.761	ug/l	97
15) Acrylonitrile	5.186	53	17332	23.261	ug/l	98
16) Acetone	3.985	43	21894	26.201	ug/l	92
17) Carbon Disulfide	4.192	76	20880	3.746	ug/l	100
18) Methyl Acetate	4.491	43	14403	5.008	ug/l	97
19) Methyl tert-butyl Ether	5.228	73	24386	3.973	ug/l	97
20) Methylene Chloride	4.716	84	32503	13.093	ug/l	91
21) trans-1,2-Dichloroethene	5.222	96	8479	3.827	ug/l	91
22) Diisopropyl ether	6.131	45	24338	3.757	ug/l	97
23) Vinyl Acetate	6.070	43	77124	19.191	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	14438	3.757	ug/l	94
25) 2-Butanone	7.003	43	27533	24.055	ug/l	95
26) 2,2-Dichloropropane	6.984	77	12635	3.654	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	9892	3.876	ug/l	91
28) Bromochloromethane	7.332	49	6553	3.987	ug/l #	86
29) Tetrahydrofuran	7.368	42	16262	23.472	ug/l #	88
30) Chloroform	7.509	83	15895	3.857	ug/l	89
31) Cyclohexane	7.789	56	15355	4.352	ug/l #	77
32) 1,1,1-Trichloroethane	7.704	97	13542	3.673	ug/l	98
36) 1,1-Dichloropropene	7.923	75	11530	3.639	ug/l	99
37) Ethyl Acetate	7.088	43	9823	4.300	ug/l #	90
38) Carbon Tetrachloride	7.905	117	12376	3.675	ug/l	93
39) Methylcyclohexane	9.191	83	13530	3.417	ug/l	87
40) Benzene	8.161	78	33023	3.698	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	5280	4.456	ug/l #	88
42) 1,2-Dichloroethane	8.240	62	11481	3.991	ug/l	92
43) Isopropyl Acetate	8.277	43	16998	4.256	ug/l	98
44) Trichloroethene	8.947	130	9806	3.916	ug/l	98
45) 1,2-Dichloropropane	9.222	63	8420	3.767	ug/l	98
46) Dibromomethane	9.313	93	5930	3.996	ug/l	96
47) Bromodichloromethane	9.502	83	12144	3.734	ug/l	100
48) Methyl methacrylate	9.301	41	7292	4.011	ug/l	95
49) 1,4-Dioxane	9.362	88	2439m	103.225	ug/l	
51) 4-Methyl-2-Pentanone	10.075	43	51114	22.257	ug/l	94
52) Toluene	10.246	92	22105	3.816	ug/l	92
53) t-1,3-Dichloropropene	10.471	75	12857	3.649	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	14040	3.656	ug/l	90
55) 1,1,2-Trichloroethane	10.648	97	8348	4.095	ug/l	95
56) Ethyl methacrylate	10.514	69	10815	3.630	ug/l	89
57) 1,3-Dichloropropane	10.795	76	13658	3.949	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.789	63	30947	21.626	ug/l	95
59) 2-Hexanone	10.837	43	39209	22.440	ug/l	91
60) Dibromochloromethane	10.990	129	9722	3.943	ug/l	98
61) 1,2-Dibromoethane	11.093	107	8517	4.105	ug/l	98
64) Tetrachloroethene	10.721	164	8603	3.856	ug/l	95
65) Chlorobenzene	11.520	112	24091	3.867	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	8666	3.690	ug/l	98
67) Ethyl Benzene	11.593	91	40366	3.661	ug/l	98
68) m/p-Xylenes	11.709	106	30871	7.181	ug/l	97
69) o-Xylene	12.032	106	14440	3.531	ug/l	98
70) Styrene	12.050	104	24800	3.558	ug/l	95
71) Bromoform	12.209	173	6833	4.135	ug/l #	97
73) Isopropylbenzene	12.337	105	38122	3.479	ug/l	99
74) N-amyl acetate	12.148	43	12962	3.745	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	12254	4.465	ug/l	95
76) 1,2,3-Trichloropropane	12.636	75	10108m	4.873	ug/l	
77) Bromobenzene	12.611	156	10400	3.910	ug/l	96
78) n-propylbenzene	12.672	91	46687	3.537	ug/l	96
79) 2-Chlorotoluene	12.764	91	26728	3.608	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	32602	3.592	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	3495	3.678	ug/l	98
82) 4-Chlorotoluene	12.861	91	28578	3.696	ug/l	98
83) tert-Butylbenzene	13.081	119	28071	3.527	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	31818	3.530	ug/l	97
85) sec-Butylbenzene	13.258	105	42650	3.588	ug/l	99
86) p-Isopropyltoluene	13.373	119	34332	3.456	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	19441	3.757	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	20157	3.868	ug/l	95
89) n-Butylbenzene	13.696	91	32691	3.535	ug/l	97
90) Hexachloroethane	13.965	117	7153	3.777	ug/l	87
91) 1,2-Dichlorobenzene	13.745	146	18664	3.928	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.361	75	2318	4.437	ug/l	92
93) 1,2,4-Trichlorobenzene	15.013	180	11229	3.710	ug/l	98
94) Hexachlorobutadiene	15.117	225	6258	3.806	ug/l	98
95) Naphthalene	15.239	128	28512	3.838	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	10533	3.810	ug/l	99

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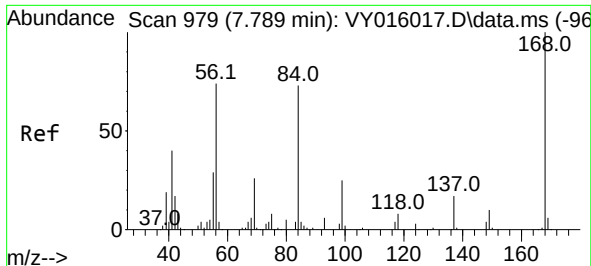
Manual Integrations
APPROVED

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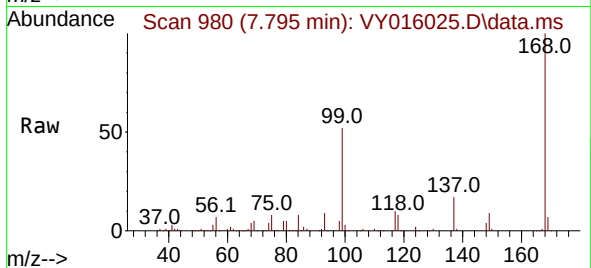
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016025.D
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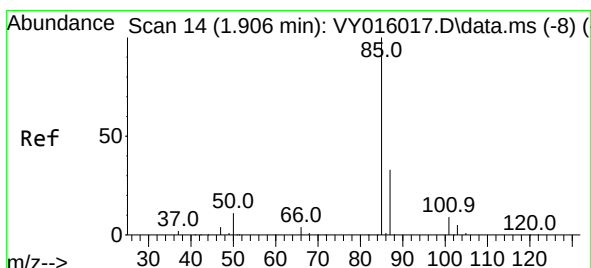
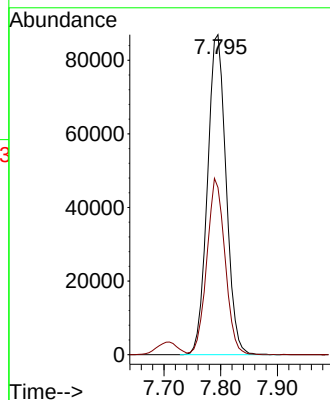
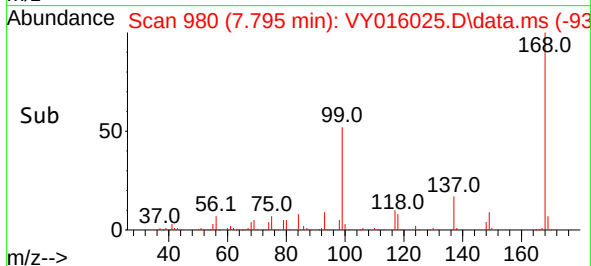
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:168 Resp: 198339
Ion Ratio Lower Upper
168 100
99 52.3 43.4 65.0

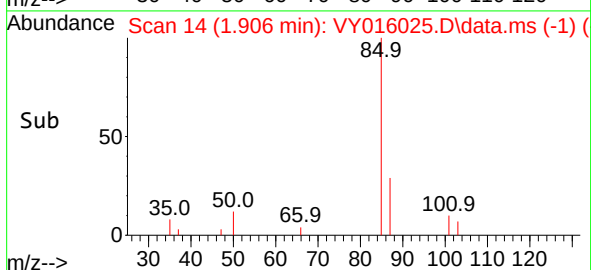
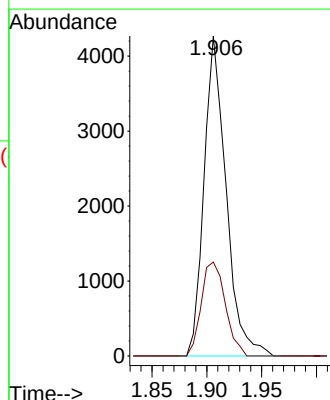
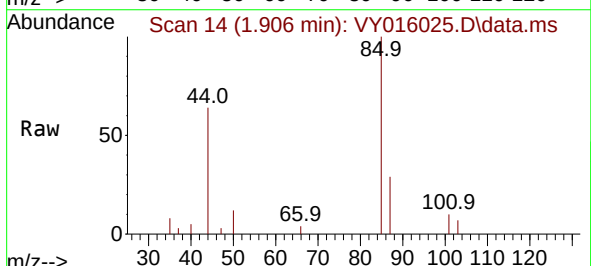
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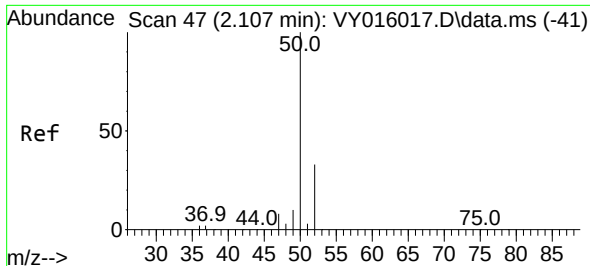
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#2
Dichlorodifluoromethane
Concen: 3.643 ug/l
RT: 1.906 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

Tgt Ion: 85 Resp: 5971
Ion Ratio Lower Upper
85 100
87 29.4 15.6 46.8





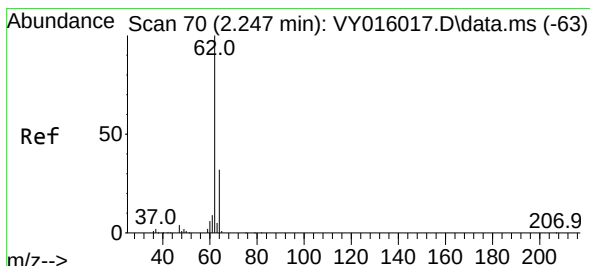
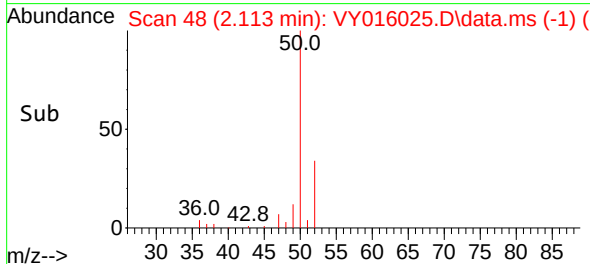
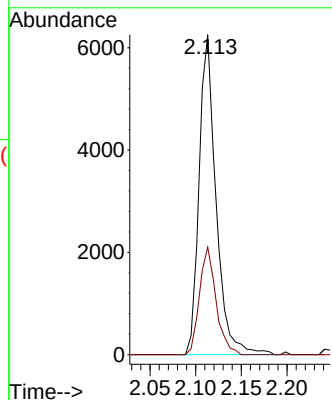
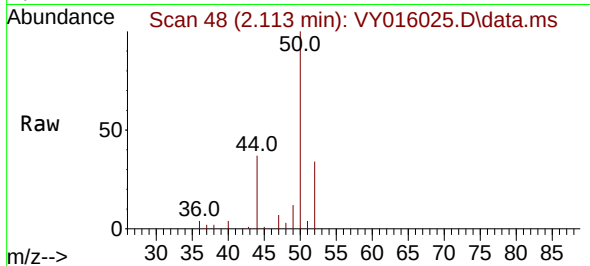
#3
Chloromethane
Concen: 3.900 ug/l
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

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Tgt Ion: 50 Resp: 8072
Ion Ratio Lower Upper
50 100
52 33.6 25.4 38.2

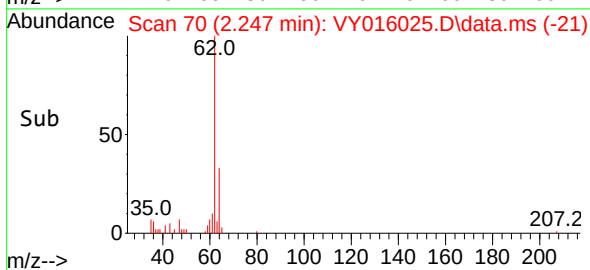
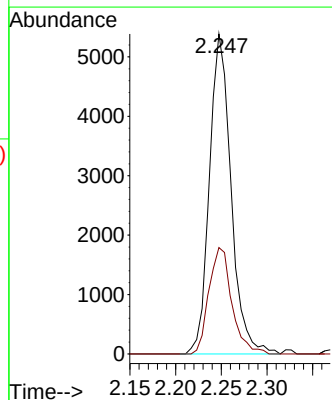
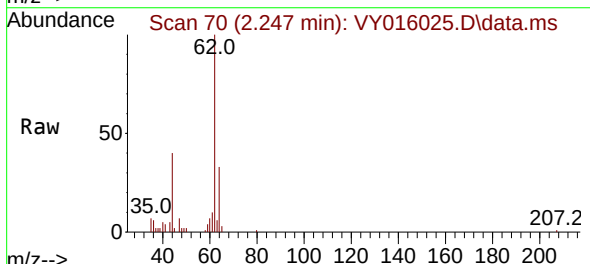
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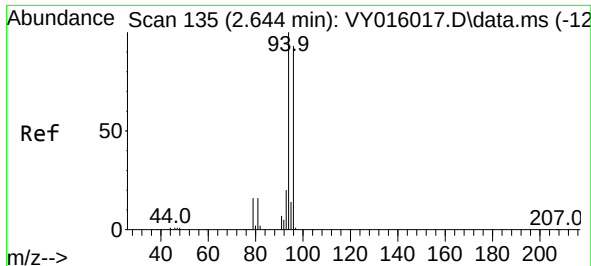
Reviewed By :John Carlone 10/19/2023
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#4
Vinyl Chloride
Concen: 3.814 ug/l
RT: 2.247 min Scan# 70
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

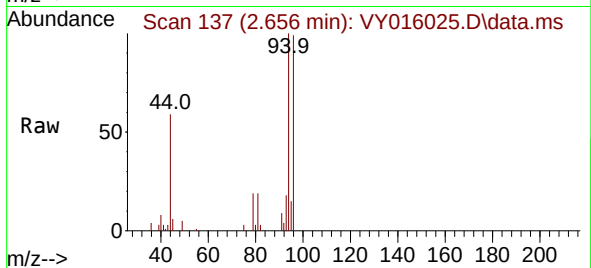
Tgt Ion: 62 Resp: 8860
Ion Ratio Lower Upper
62 100
64 33.2 24.3 36.5





#5
Bromomethane
Concen: 4.196 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016025.D
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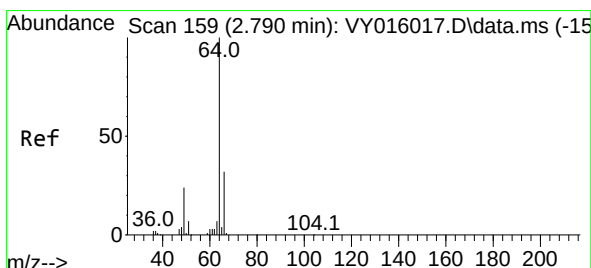
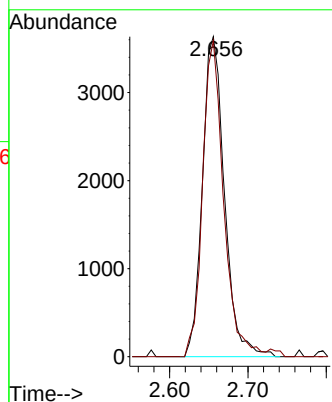
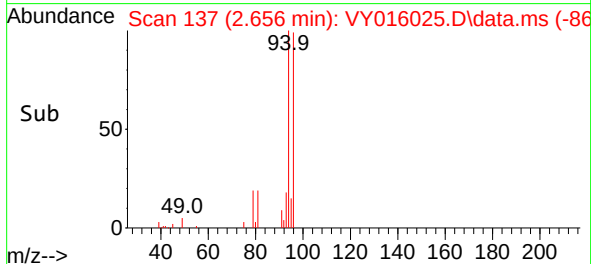
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Tgt Ion: 94 Resp: 7110
Ion Ratio Lower Upper
94 100
96 98.8 75.8 113.6

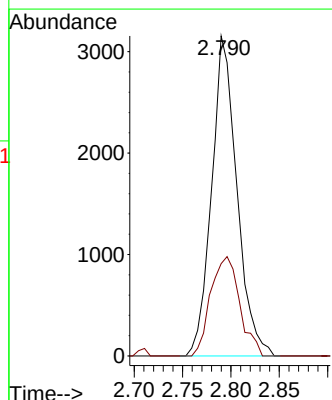
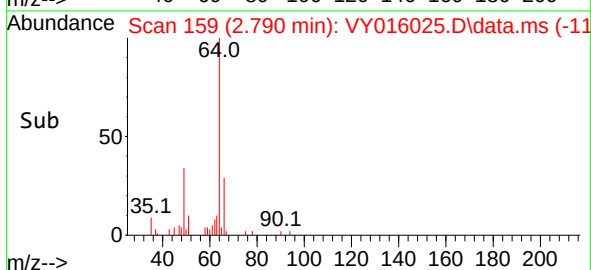
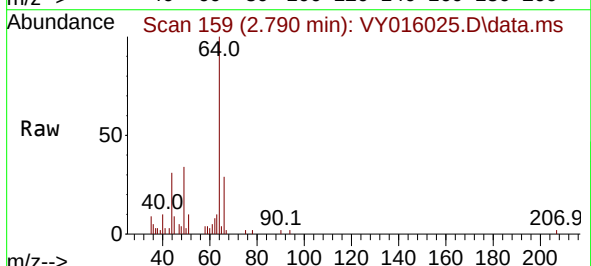
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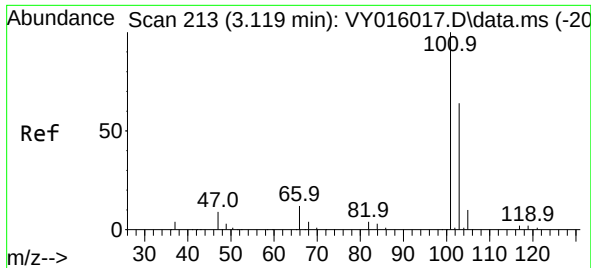
Reviewed By :John Carlone 10/19/2023
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#6
Chloroethane
Concen: 3.831 ug/l
RT: 2.790 min Scan# 159
Delta R.T. -0.000 min
Lab File: VY016025.D
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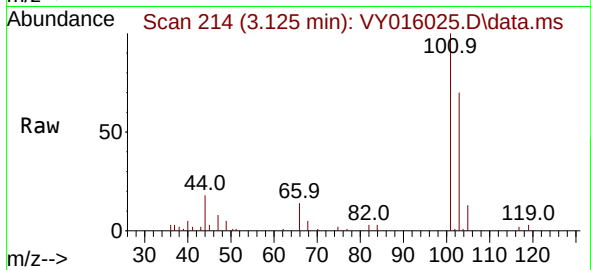
Tgt Ion: 64 Resp: 5723
Ion Ratio Lower Upper
64 100
66 28.8 24.4 36.6





#7
 Trichlorofluoromethane
 Concen: 4.400 ug/l
 RT: 3.125 min Scan# 213
 Delta R.T. 0.006 min
 Lab File: VY016025.D
 Acq: 18 Oct 2023 17:17

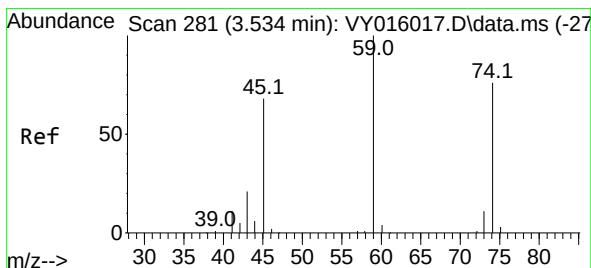
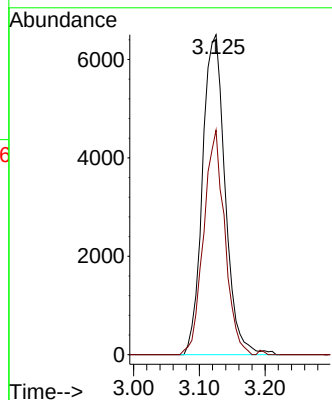
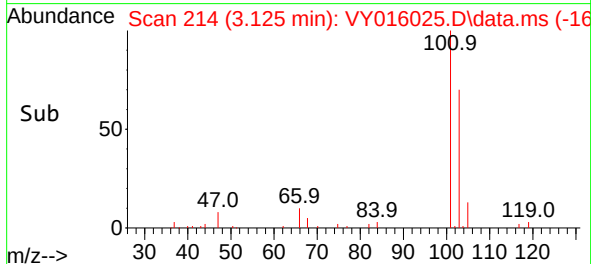
Instrument :
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 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:101 Resp: 1555
 Ion Ratio Lower Upper
 101 100
 103 70.2 51.4 77.0

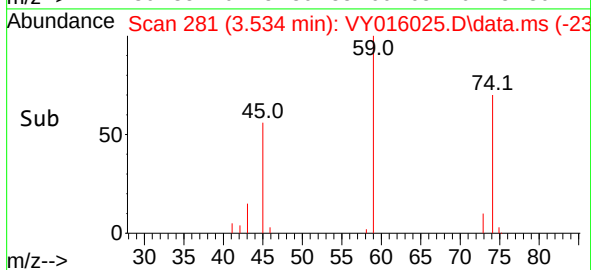
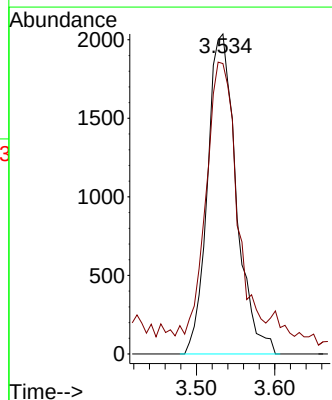
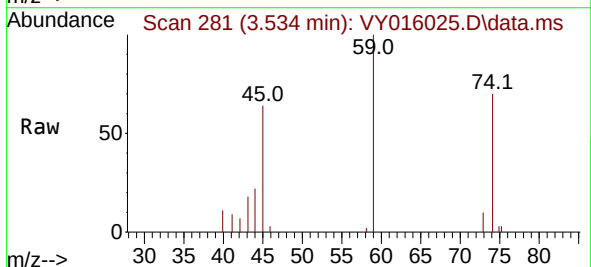
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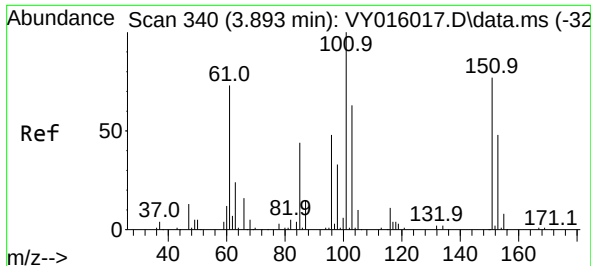
Reviewed By :John Carlone 10/19/2023
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#8
 Diethyl Ether
 Concen: 4.167 ug/l
 RT: 3.534 min Scan# 281
 Delta R.T. 0.000 min
 Lab File: VY016025.D
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Tgt Ion: 74 Resp: 5204
 Ion Ratio Lower Upper
 74 100
 45 89.7 51.5 154.5





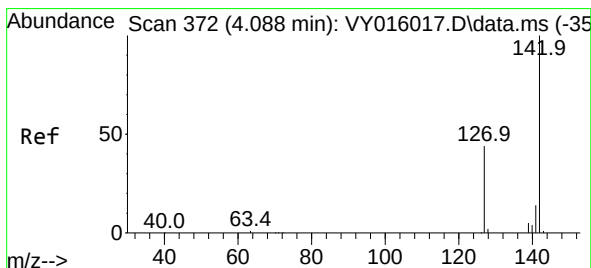
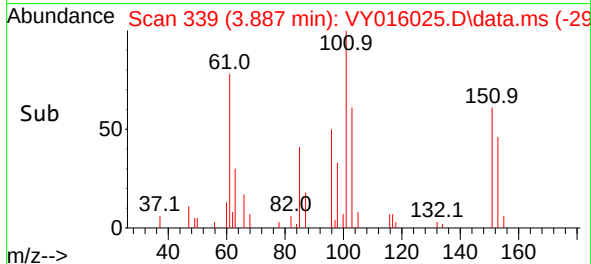
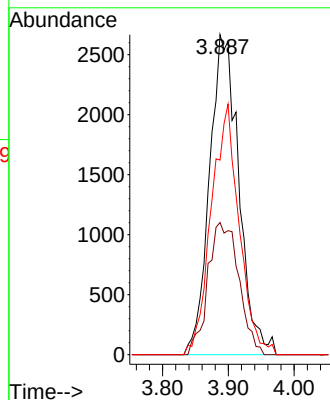
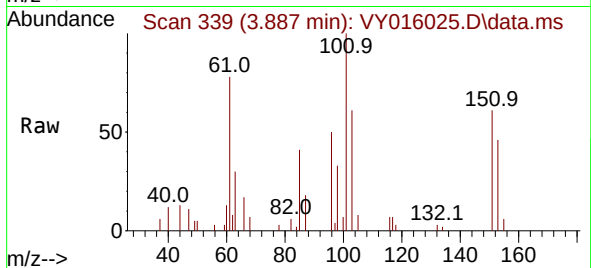
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.065 ug/l
RT: 3.887 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

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

Tgt Ion:101 Resp: 826
Ion Ratio Lower Upper
101 100
85 43.5 36.6 55.0
151 74.4 67.0 100.6

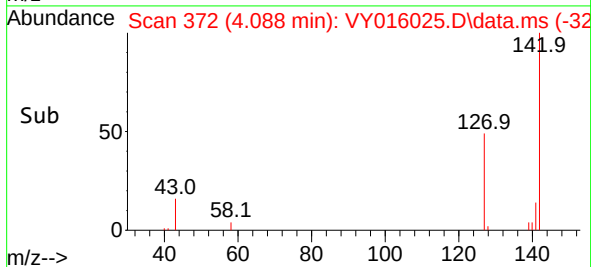
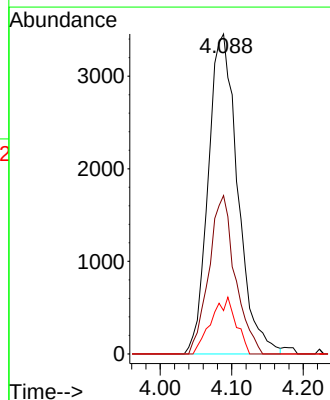
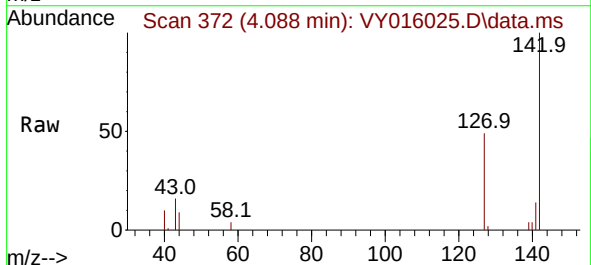
Manual Integrations
APPROVED

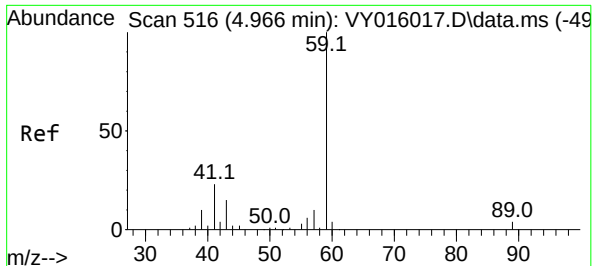
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#10
Methyl Iodide
Concen: 3.731 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

Tgt Ion:142 Resp: 9906
Ion Ratio Lower Upper
142 100
127 44.1 37.6 56.4
141 14.9 11.8 17.8





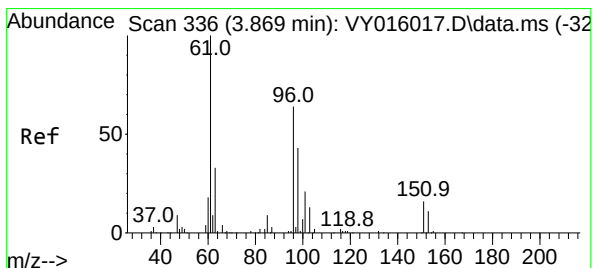
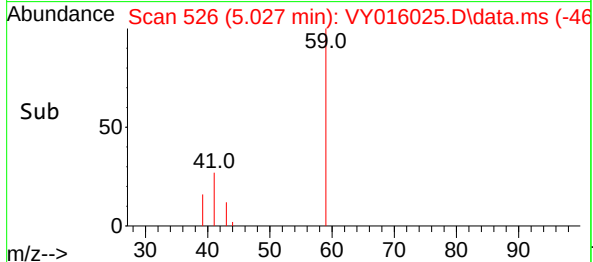
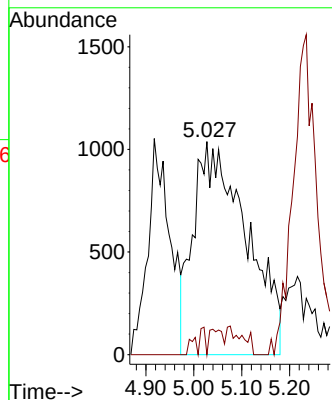
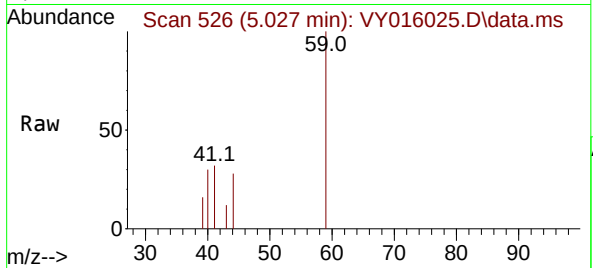
#11
Tert butyl alcohol
Concen: 22.834 ug/l m
RT: 5.027 min Scan# 516
Delta R.T. 0.061 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

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

Tgt Ion: 59 Resp: 7940
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4

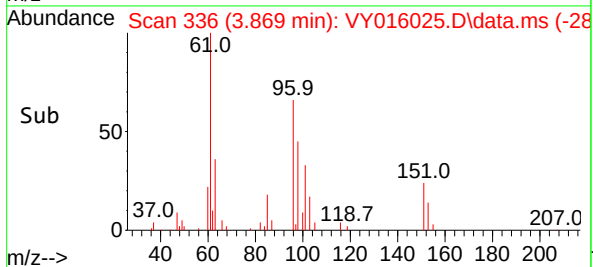
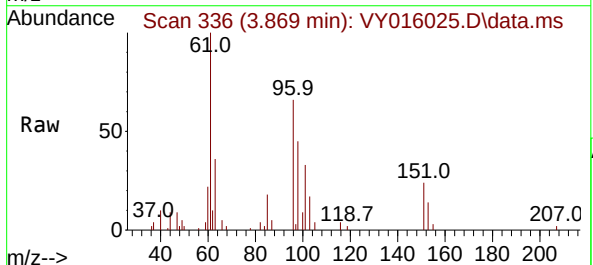
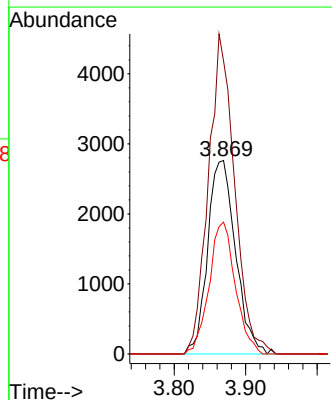
Manual Integrations
APPROVED

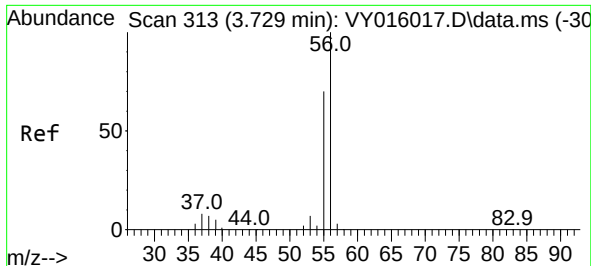
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#12
1,1-Dichloroethene
Concen: 3.940 ug/l
RT: 3.869 min Scan# 336
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

Tgt Ion: 96 Resp: 7496
Ion Ratio Lower Upper
96 100
61 151.4 136.4 204.6
98 68.1 49.4 74.2





#13

Acrolein

Concen: 22.152 ug/l

RT: 3.741 min Scan# 313

Delta R.T. 0.012 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 56 Resp: 6640

Ion Ratio Lower Upper

56 100

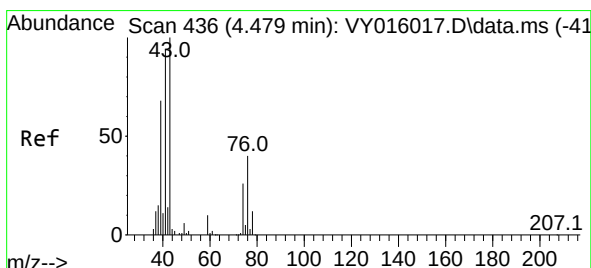
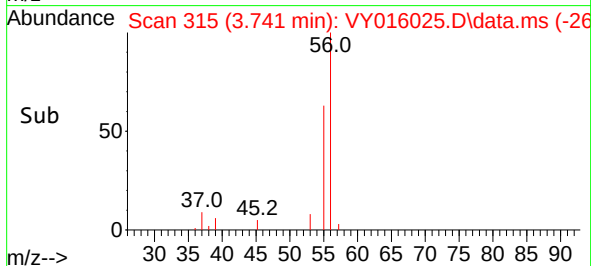
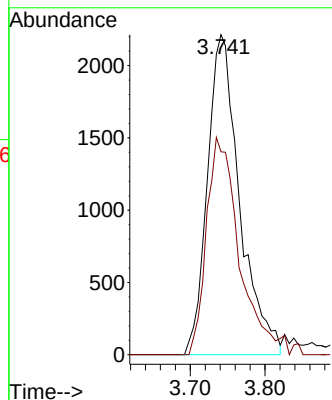
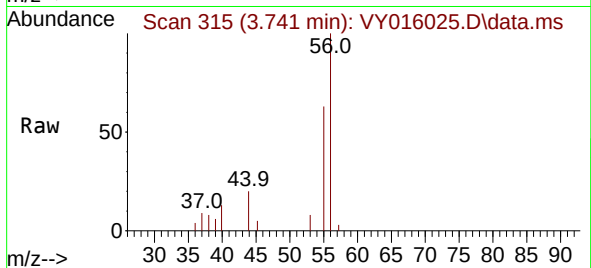
55 70.0 57.0 85.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#14

Allyl chloride

Concen: 3.761 ug/l

RT: 4.485 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

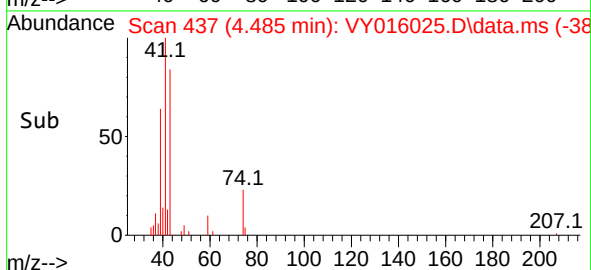
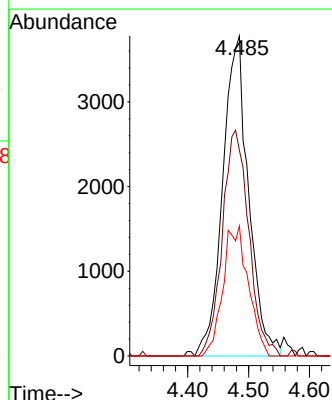
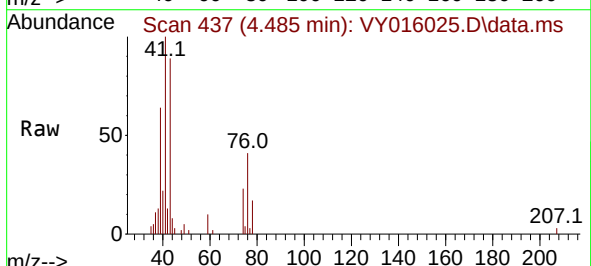
Tgt Ion: 41 Resp: 11190

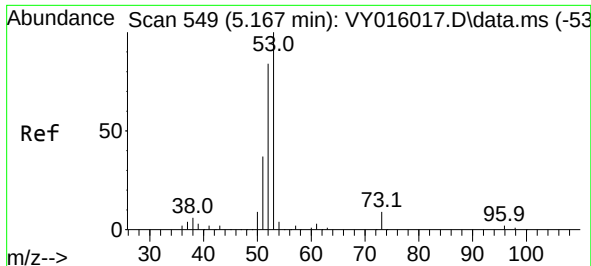
Ion Ratio Lower Upper

41 100

39 72.0 58.0 87.0

76 39.6 27.4 41.2





#15

Acrylonitrile

Concen: 23.261 ug/l

RT: 5.186 min Scan# 51

Delta R.T. 0.018 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

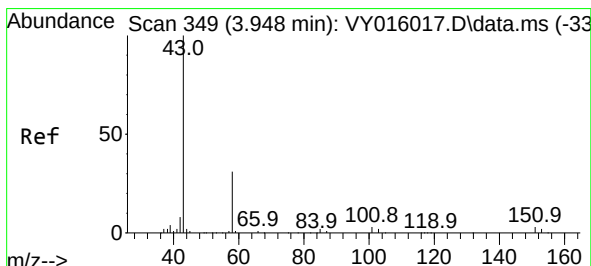
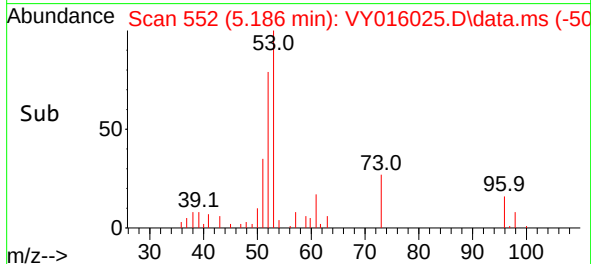
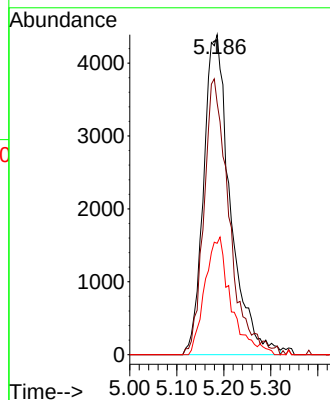
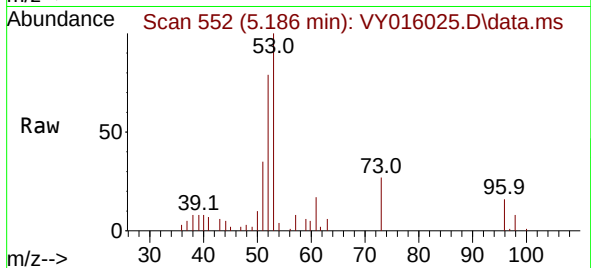
Tgt Ion:	53	Resp:	1733
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.9	100.3
51	36.1	29.8	44.6

Manual Integrations

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Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#16

Acetone

Concen: 26.201 ug/l

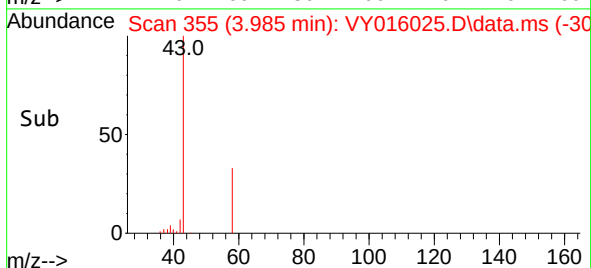
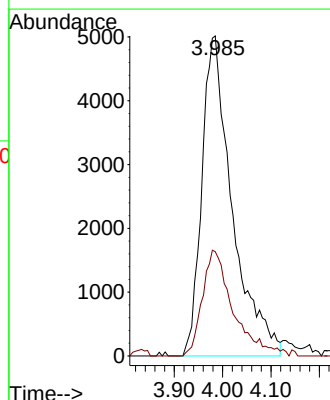
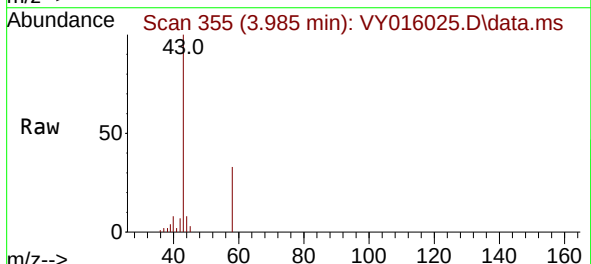
RT: 3.985 min Scan# 355

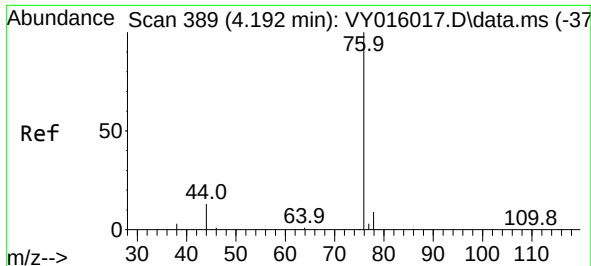
Delta R.T. 0.037 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

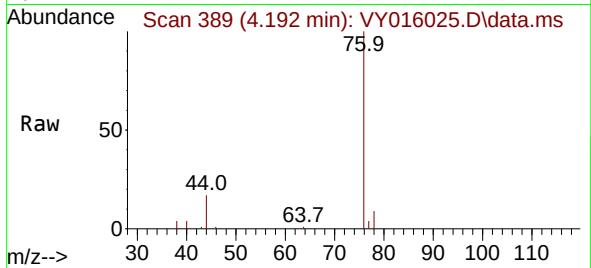
Tgt Ion:	43	Resp:	21894
Ion	Ratio	Lower	Upper
43	100		
58	32.6	22.7	34.1





#17
Carbon Disulfide
Concen: 3.746 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

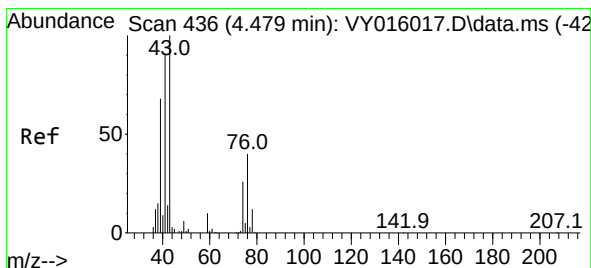
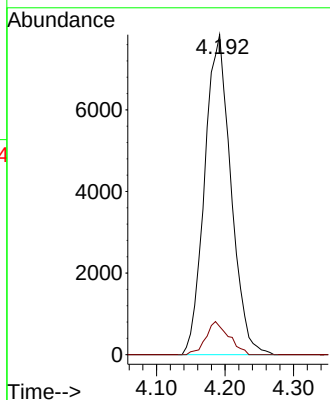
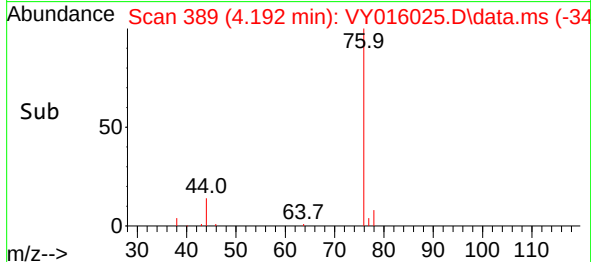
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



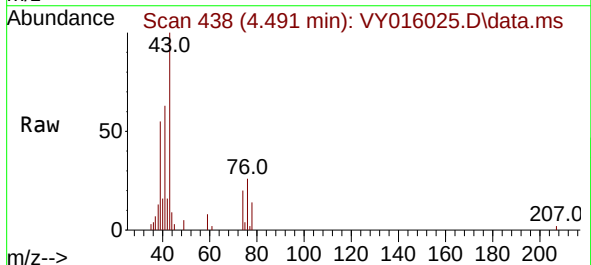
Tgt Ion: 76 Resp: 20880
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.4

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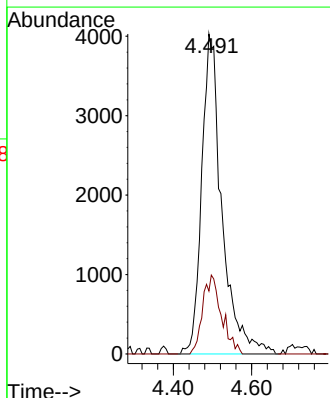
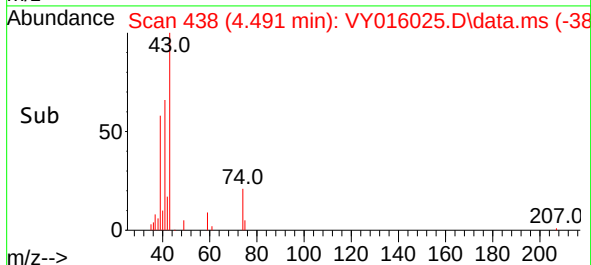
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023

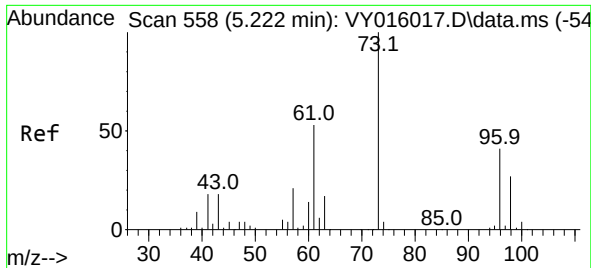


#18
Methyl Acetate
Concen: 5.008 ug/l
RT: 4.491 min Scan# 438
Delta R.T. 0.012 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17



Tgt Ion: 43 Resp: 14403
Ion Ratio Lower Upper
43 100
74 22.9 17.4 26.0





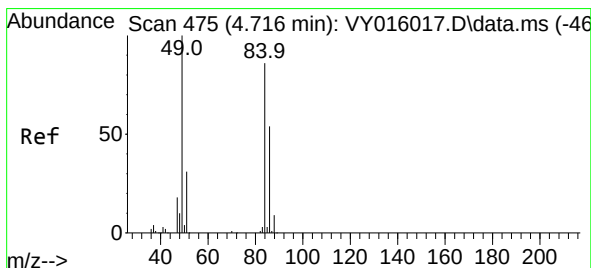
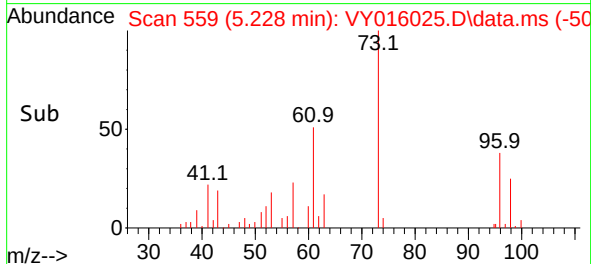
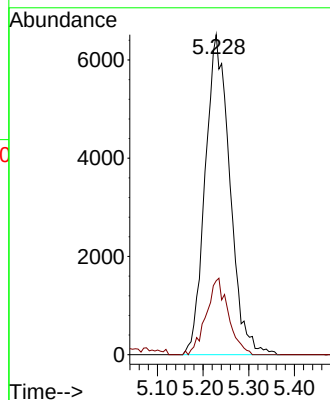
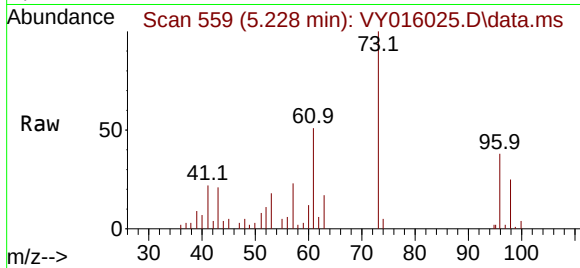
#19
Methyl tert-butyl Ether
Concen: 3.973 ug/l
RT: 5.228 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

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

Tgt Ion: 73 Resp: 24380
Ion Ratio Lower Upper
73 100
57 23.1 17.3 25.9

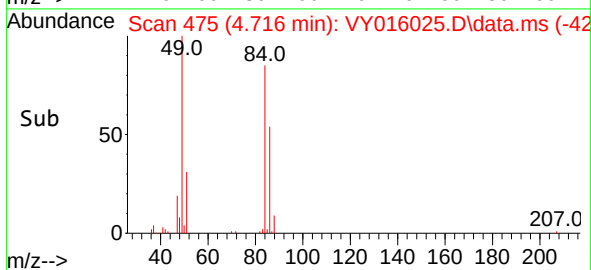
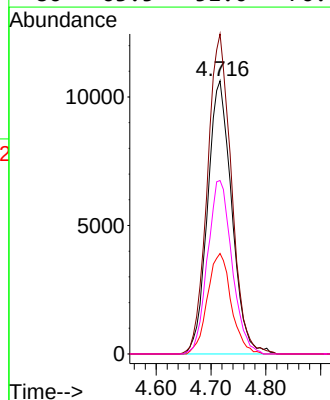
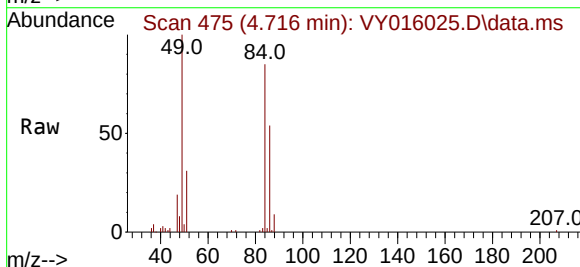
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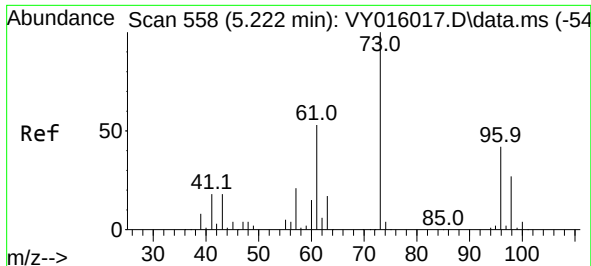
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#20
Methylene Chloride
Concen: 13.093 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

Tgt Ion: 84 Resp: 32503
Ion Ratio Lower Upper
84 100
49 117.2 106.9 160.3
51 36.8 33.2 49.8
86 63.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 3.827 ug/l

RT: 5.222 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY016025.D

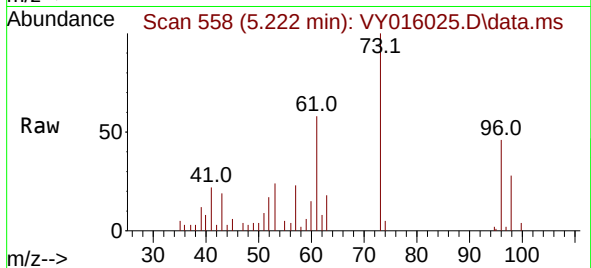
Acq: 18 Oct 2023 17:17

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 96 Resp: 8479

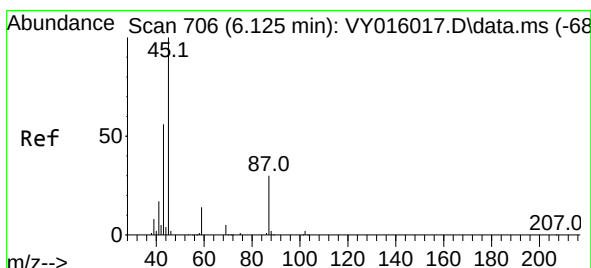
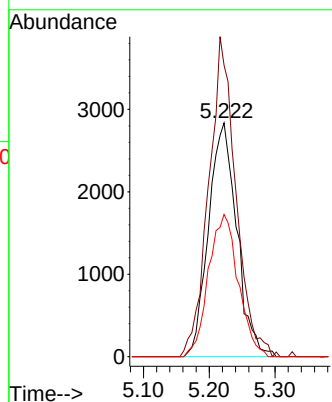
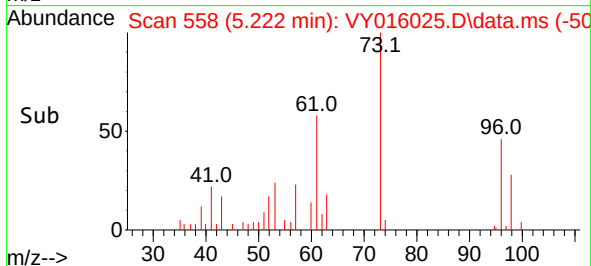
Ion	Ratio	Lower	Upper
96	100		
61	124.7	110.2	165.4
98	60.8	51.8	77.6

Manual Integrations

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Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#22

Diisopropyl ether

Concen: 3.757 ug/l

RT: 6.131 min Scan# 707

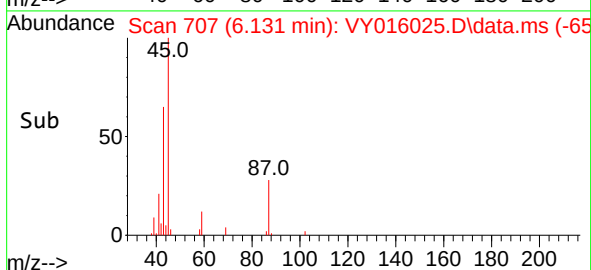
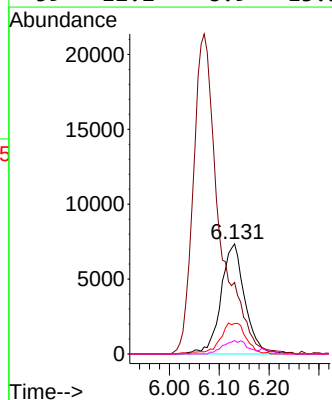
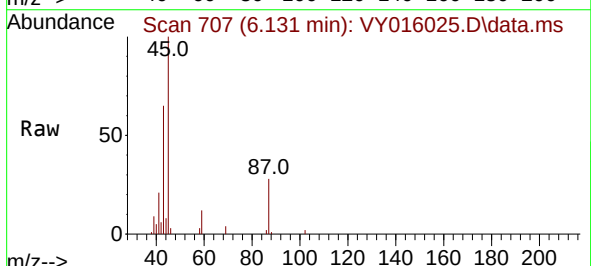
Delta R.T. 0.006 min

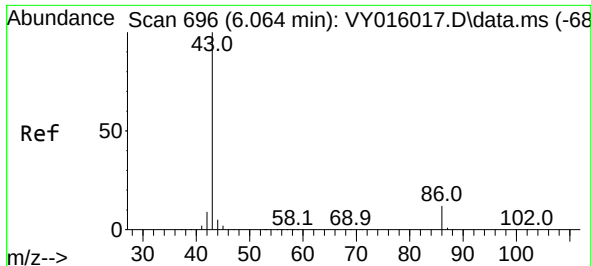
Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

Tgt Ion: 45 Resp: 24338

Ion	Ratio	Lower	Upper
45	100		
43	62.6	52.2	78.4
87	27.6	21.0	31.6
59	12.2	8.9	13.3





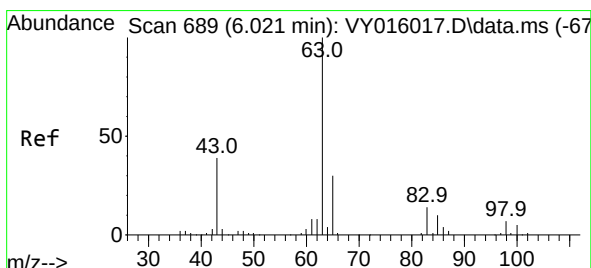
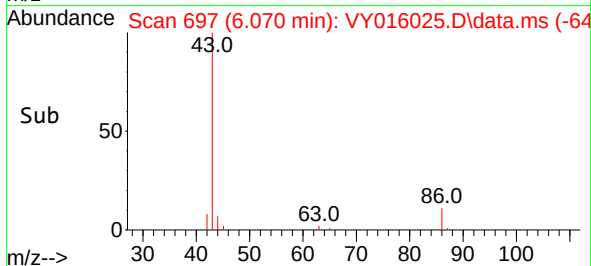
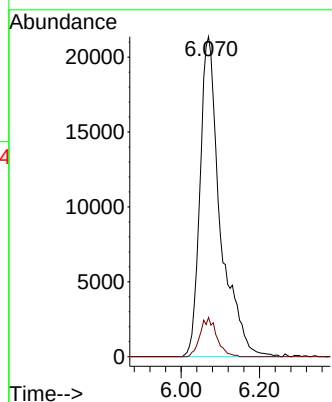
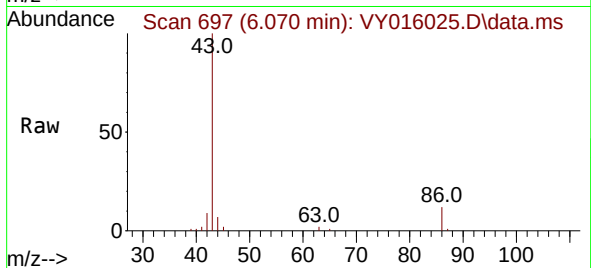
#23
 Vinyl Acetate
 Concen: 19.191 ug/l
 RT: 6.070 min Scan# 696
 Delta R.T. 0.006 min
 Lab File: VY016025.D
 Acq: 18 Oct 2023 17:17

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

Tgt Ion: 43 Resp: 77124
 Ion Ratio Lower Upper
 43 100
 86 12.2 7.5 11.3

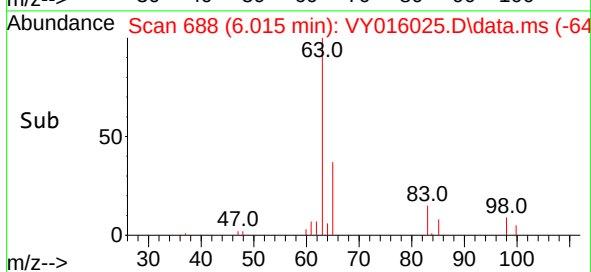
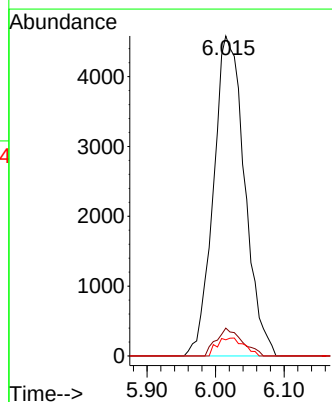
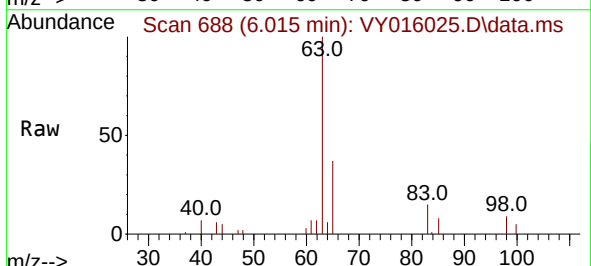
Manual Integrations
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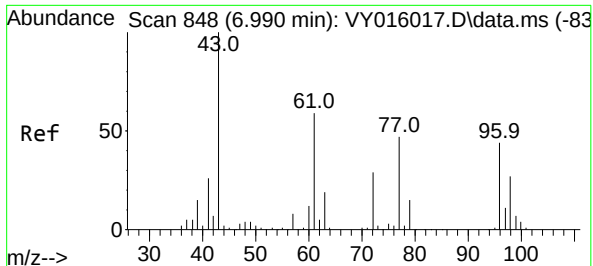
Reviewed By :John Carlone 10/19/2023
 Supervised By :Semsettin Yesilyurt 10/20/2023



#24
 1,1-Dichloroethane
 Concen: 3.757 ug/l
 RT: 6.015 min Scan# 688
 Delta R.T. -0.006 min
 Lab File: VY016025.D
 Acq: 18 Oct 2023 17:17

Tgt Ion: 63 Resp: 14438
 Ion Ratio Lower Upper
 63 100
 98 8.7 3.1 9.4
 100 5.1 1.8 5.5





#25

2-Butanone

Concen: 24.055 ug/l

RT: 7.003 min Scan# 848

Delta R.T. 0.012 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 43 Resp: 2753

Ion Ratio Lower Upper

43 100

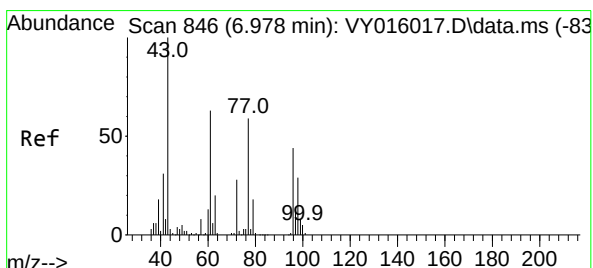
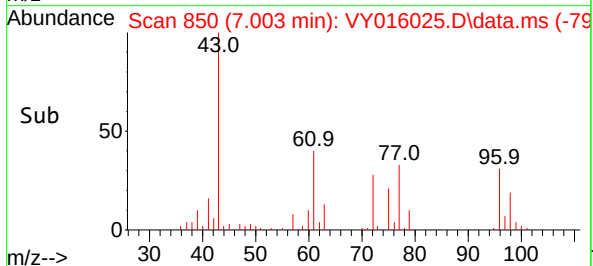
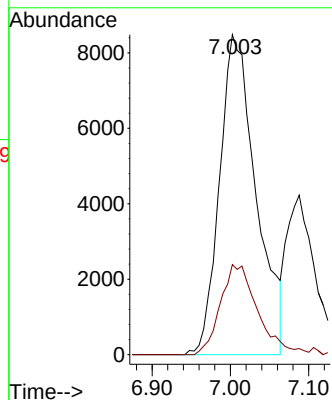
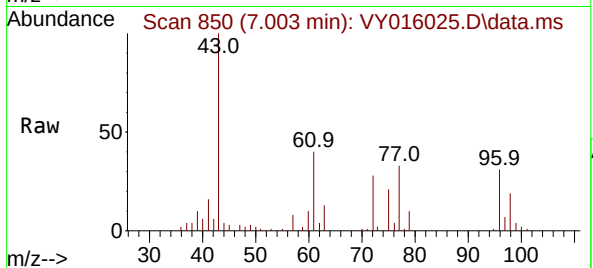
72 28.1 20.5 30.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#26

2,2-Dichloropropane

Concen: 3.654 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY016025.D

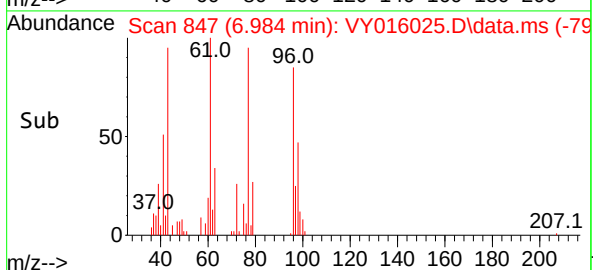
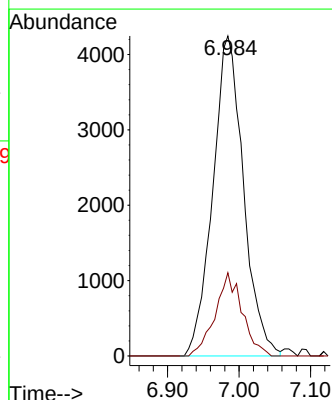
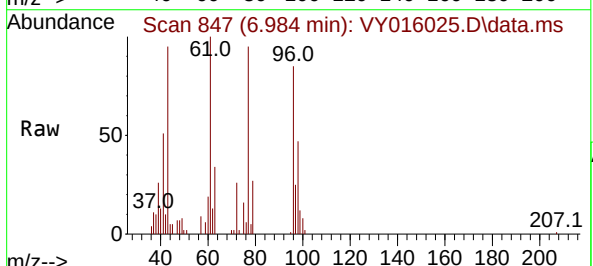
Acq: 18 Oct 2023 17:17

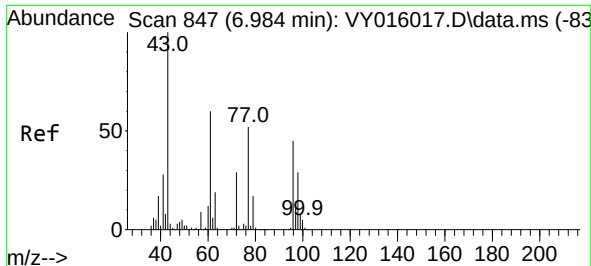
Tgt Ion: 77 Resp: 12635

Ion Ratio Lower Upper

77 100

97 23.0 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 3.876 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY016025.D

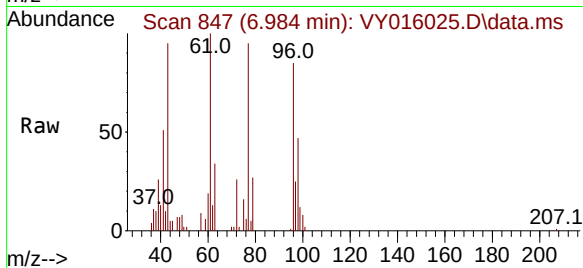
Acq: 18 Oct 2023 17:17

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



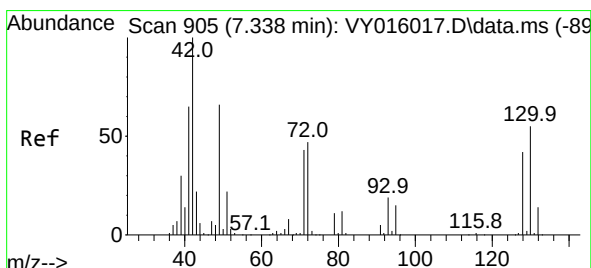
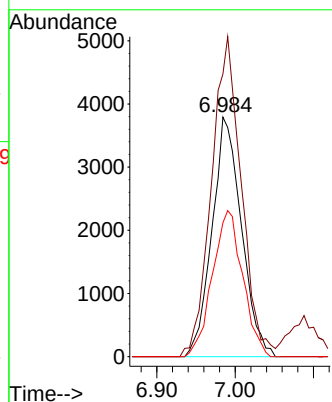
Tgt Ion:	96	Resp:	989
Ion	Ratio	Lower	Upper
96	100		
61	135.4	0.0	301.4
98	62.8	0.0	130.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#28

Bromochloromethane

Concen: 3.987 ug/l

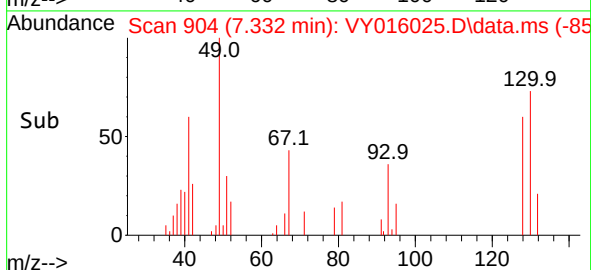
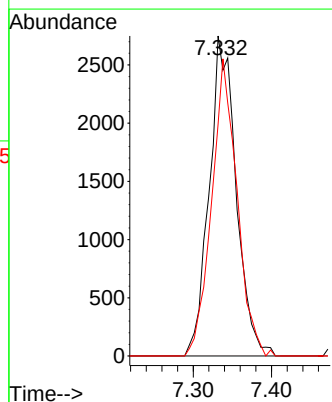
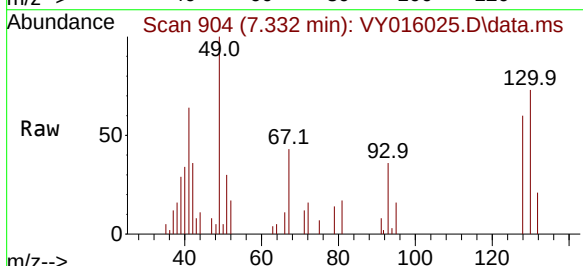
RT: 7.332 min Scan# 904

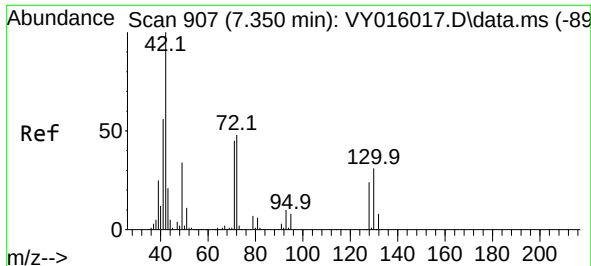
Delta R.T. -0.006 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

Tgt Ion:	49	Resp:	6553
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	87.7	60.7	91.1





#29

Tetrahydrofuran

Concen: 23.472 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.018 min

Lab File: VY016025.D

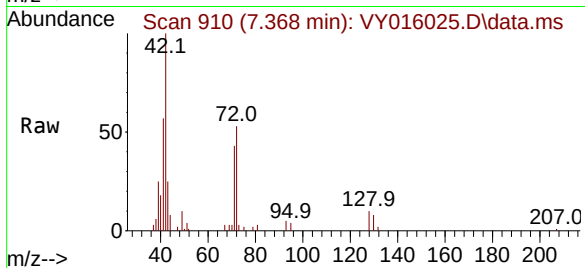
Acq: 18 Oct 2023 17:17

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



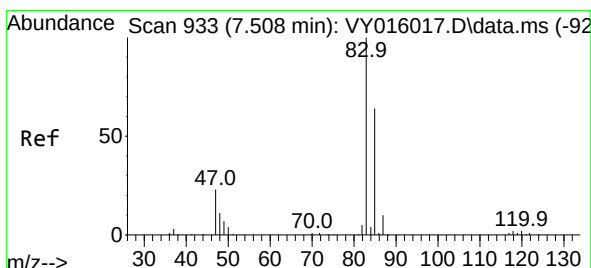
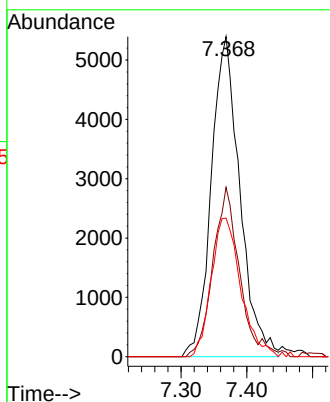
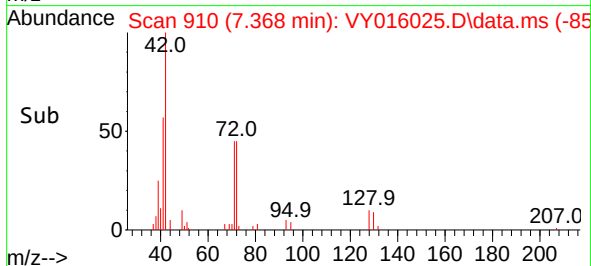
Tgt Ion:	42	Resp:	1626
Ion Ratio	Lower	Upper	
42	100		
72	49.5	32.8	49.2
71	44.8	31.0	46.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#30

Chloroform

Concen: 3.857 ug/l

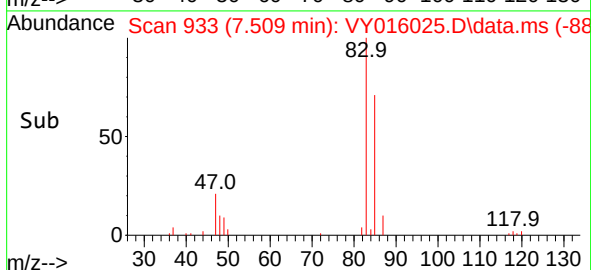
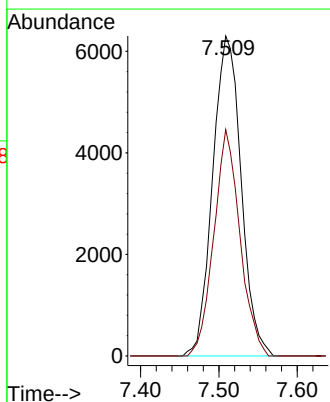
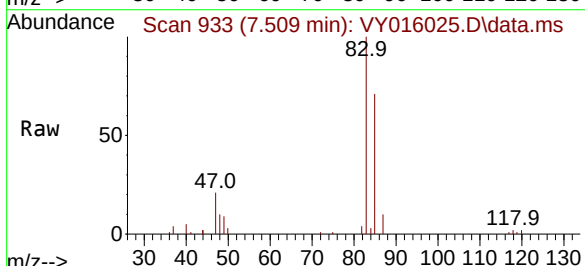
RT: 7.509 min Scan# 933

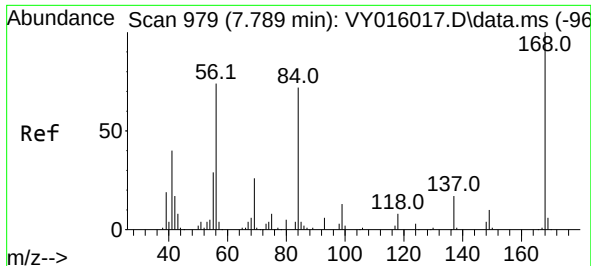
Delta R.T. 0.000 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

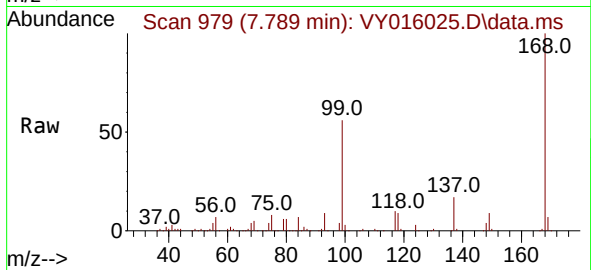
Tgt Ion:	83	Resp:	15895
Ion Ratio	Lower	Upper	
83	100		
85	70.7	49.7	74.5





#31
Cyclohexane
Concen: 4.352 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

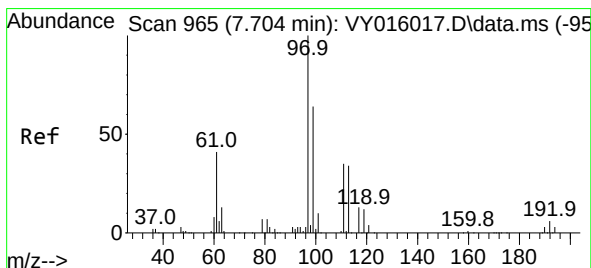
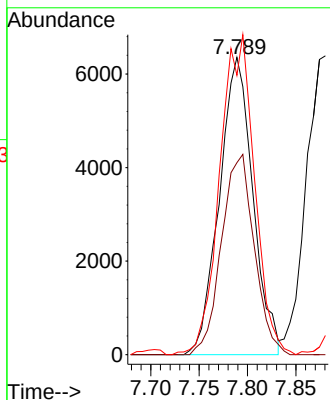
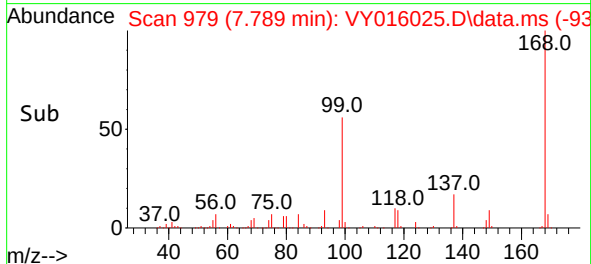
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 56 Resp: 1535
Ion Ratio Lower Upper
56 100
69 64.6 27.8 41.6
84 93.1 66.4 99.6

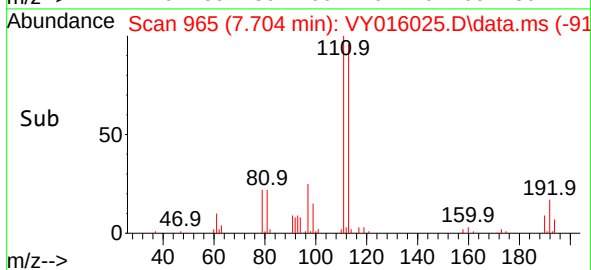
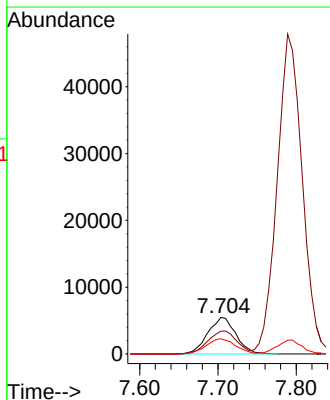
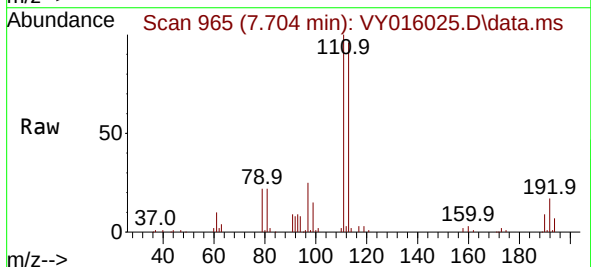
Manual Integrations
APPROVED

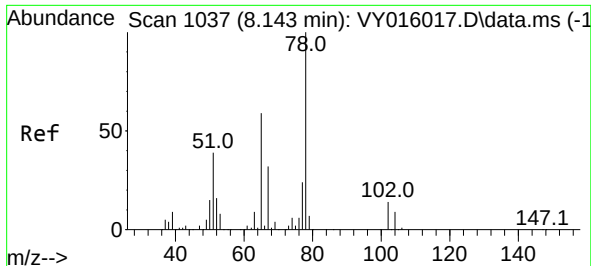
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#32
1,1,1-Trichloroethane
Concen: 3.673 ug/l
RT: 7.704 min Scan# 965
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

Tgt Ion: 97 Resp: 13542
Ion Ratio Lower Upper
97 100
99 65.1 50.8 76.2
61 43.3 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 49.832 ug/l

RT: 8.149 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 65 Resp: 112334

Ion Ratio Lower Upper

65 100

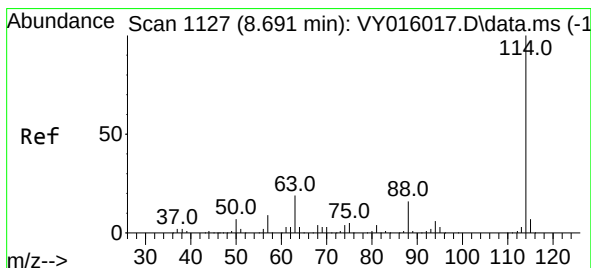
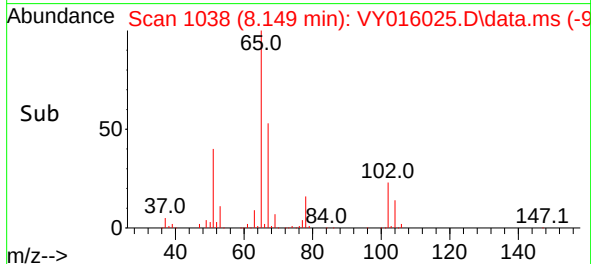
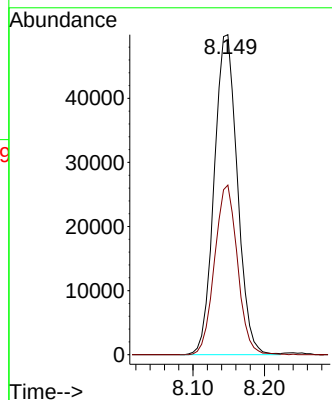
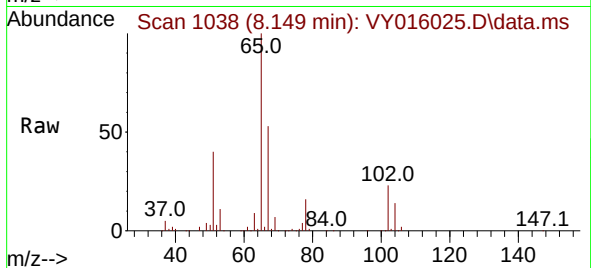
67 52.4 0.0 101.8

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: VY016025.D

Acq: 18 Oct 2023 17:17

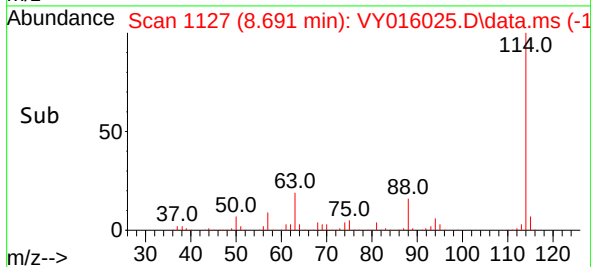
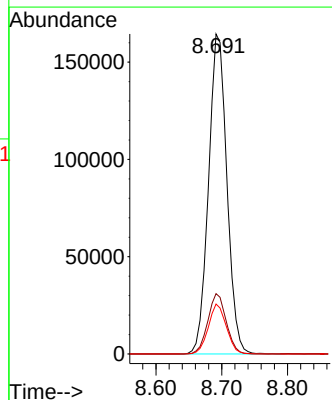
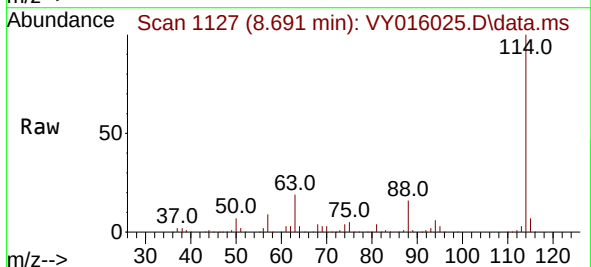
Tgt Ion:114 Resp: 319995

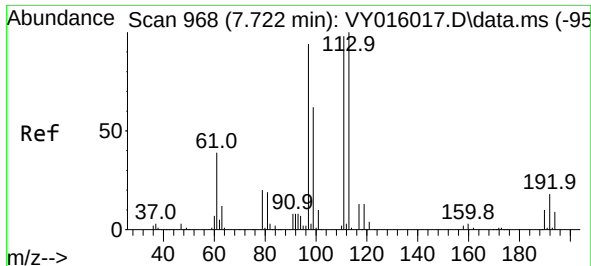
Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

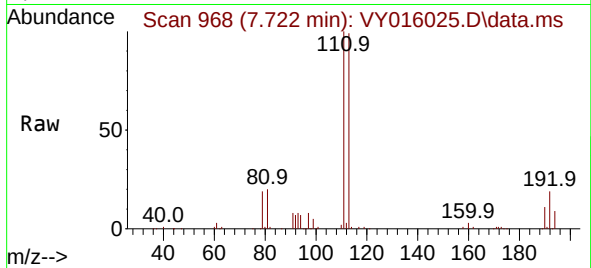
88 15.6 0.0 30.6





#35
Dibromofluoromethane
Concen: 47.632 ug/l
RT: 7.722 min Scan# 901
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

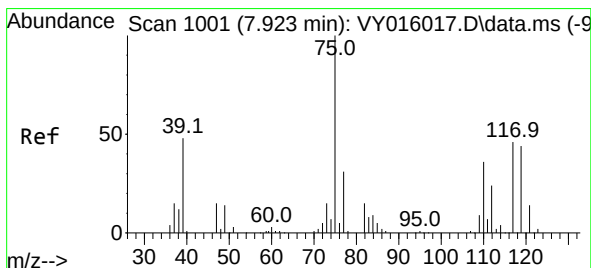
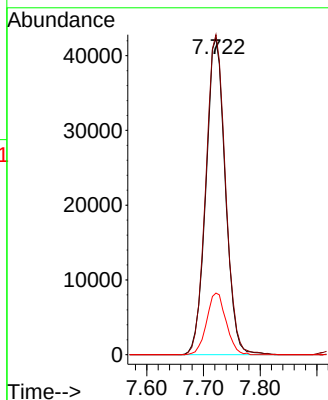
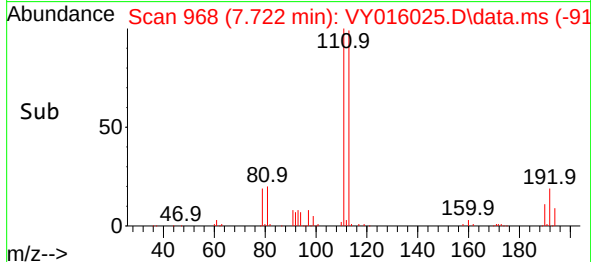
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



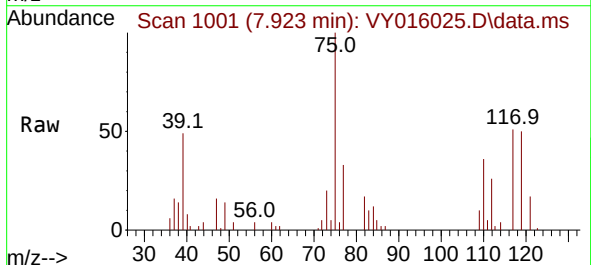
Tgt Ion:113 Resp: 100324
Ion Ratio Lower Upper
113 100
111 102.5 81.3 121.9
192 19.5 16.9 25.3

Manual Integrations
APPROVED

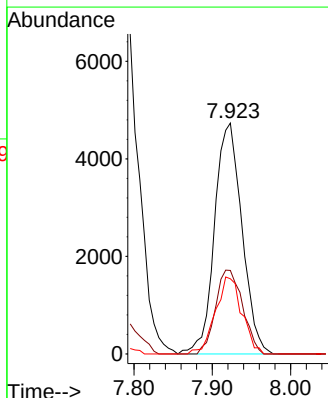
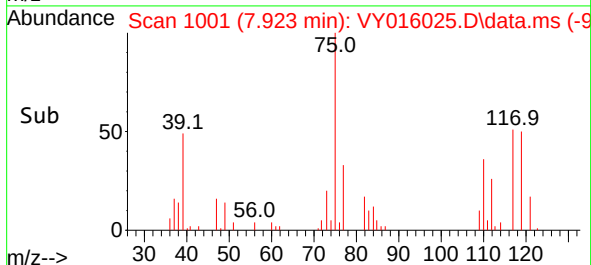
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023

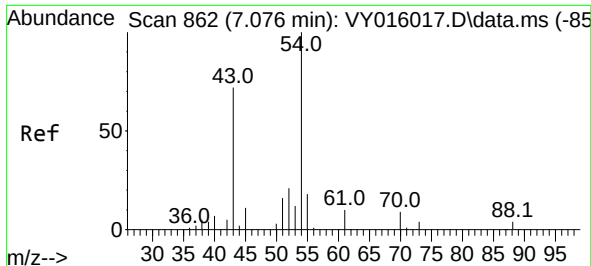


#36
1,1-Dichloropropene
Concen: 3.639 ug/l
RT: 7.923 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17



Tgt Ion: 75 Resp: 11530
Ion Ratio Lower Upper
75 100
110 35.8 17.8 53.5
77 32.1 24.4 36.6





#37

Ethyl Acetate

Concen: 4.300 ug/l

RT: 7.088 min Scan# 864

Delta R.T. 0.012 min

Lab File: VY016025.D

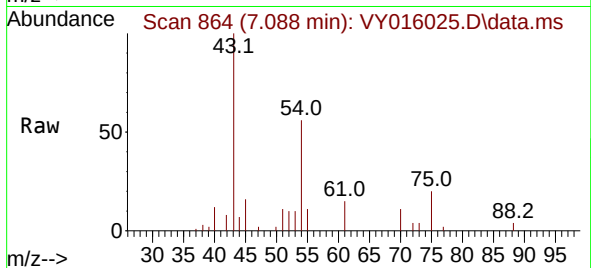
Acq: 18 Oct 2023 17:17

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



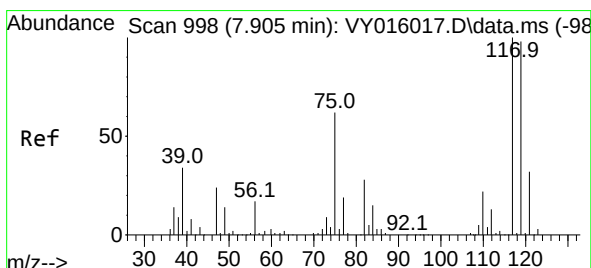
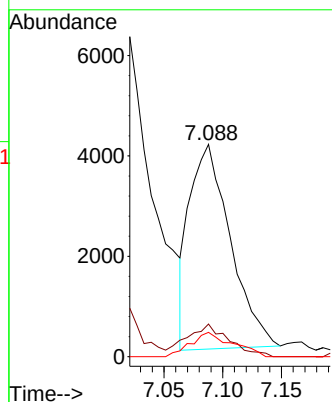
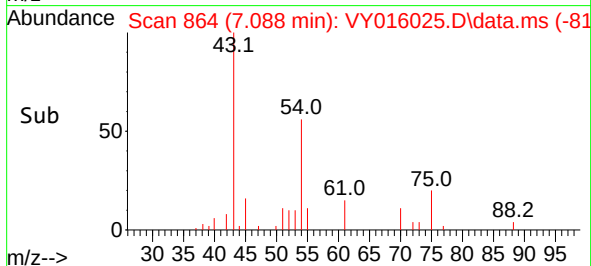
Tgt Ion:	43	Resp:	982
Ion	Ratio	Lower	Upper
43	100		
61	16.5	10.1	15.1
70	12.2	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#38

Carbon Tetrachloride

Concen: 3.675 ug/l

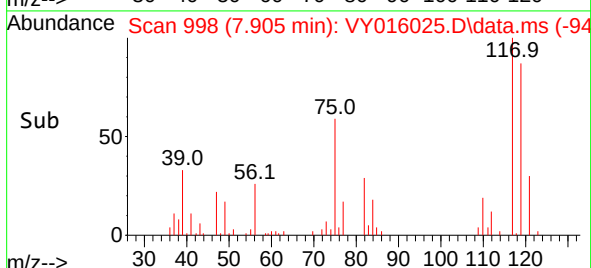
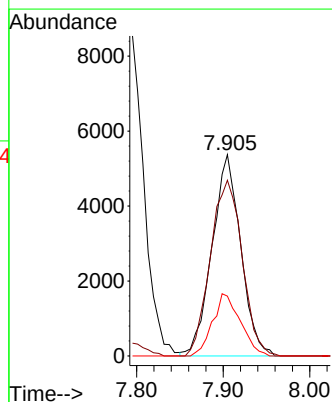
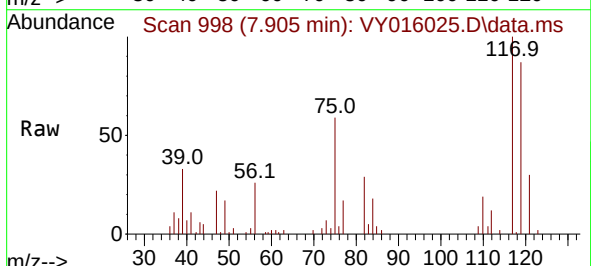
RT: 7.905 min Scan# 998

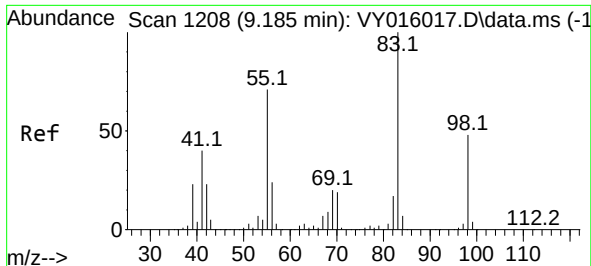
Delta R.T. 0.000 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

Tgt Ion:	117	Resp:	12376
Ion	Ratio	Lower	Upper
117	100		
119	87.2	76.4	114.6
121	29.7	25.8	38.6





#39

Methylcyclohexane

Concen: 3.417 ug/l

RT: 9.191 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 83 Resp: 13530

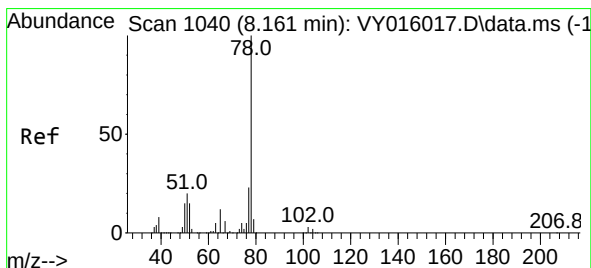
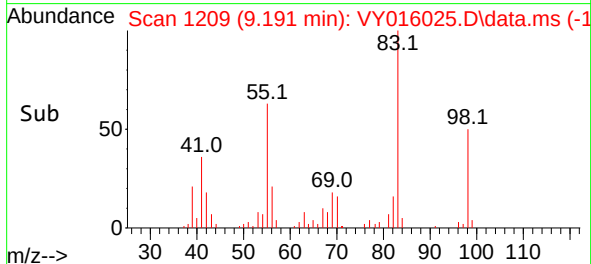
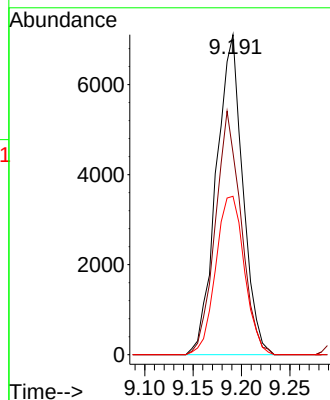
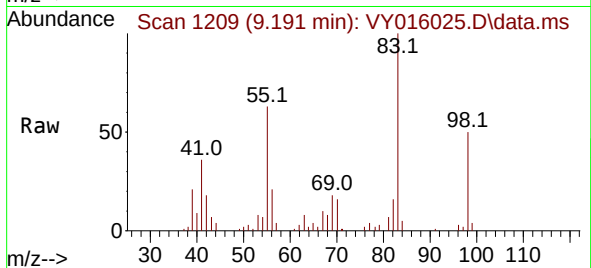
Ion	Ratio	Lower	Upper
83	100		
55	63.1	63.0	94.4
98	49.5	37.4	56.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#40

Benzene

Concen: 3.698 ug/l

RT: 8.161 min Scan# 1040

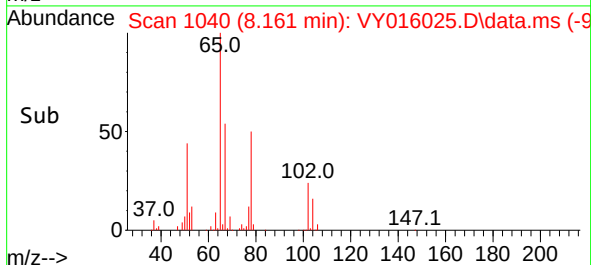
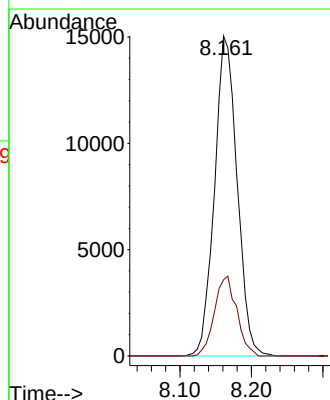
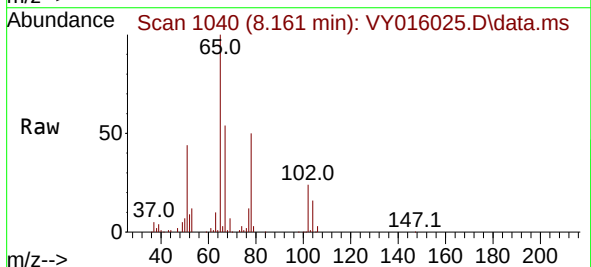
Delta R.T. 0.000 min

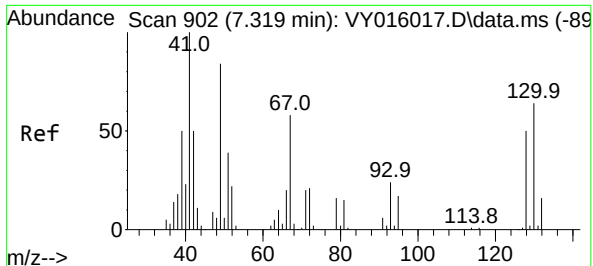
Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

Tgt Ion: 78 Resp: 33023

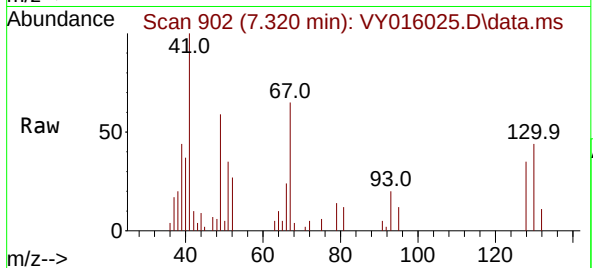
Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





#41
Methacrylonitrile
Concen: 4.456 ug/l
RT: 7.320 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

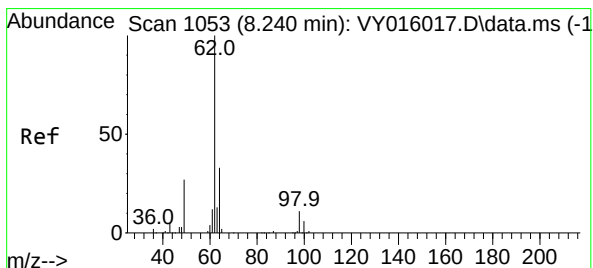
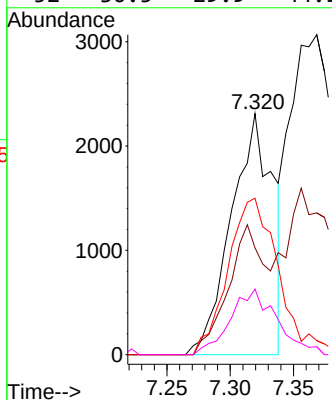
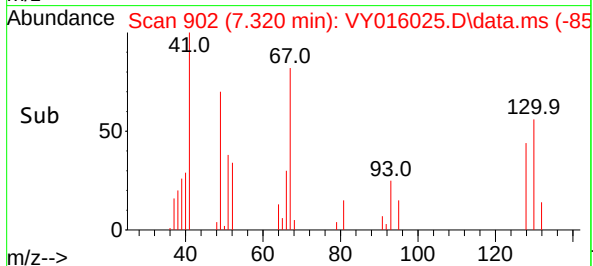
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 41 Resp: 5280
Ion Ratio Lower Upper
41 100
39 48.0 52.1 78.1
67 79.2 66.2 99.2
52 30.5 29.9 44.9

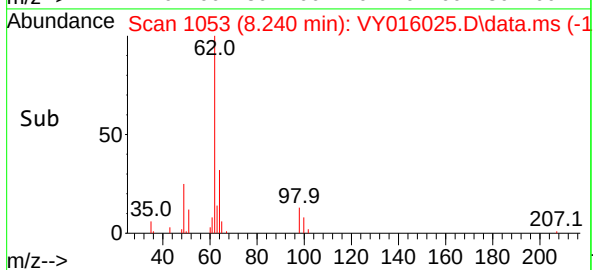
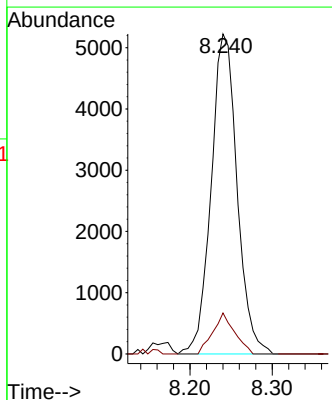
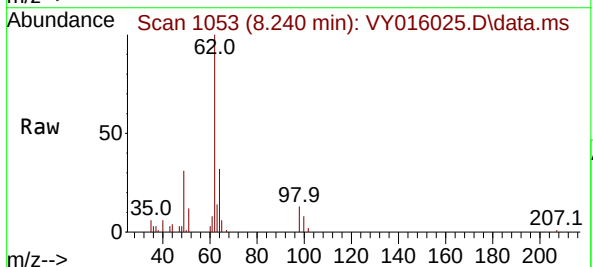
Manual Integrations
APPROVED

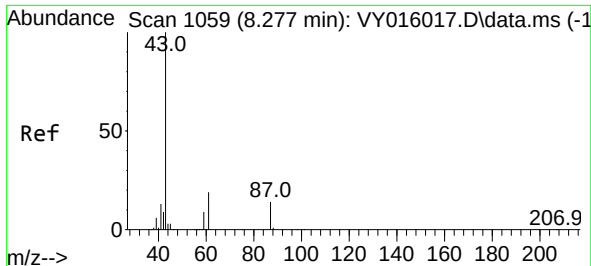
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#42
1,2-Dichloroethane
Concen: 3.991 ug/l
RT: 8.240 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

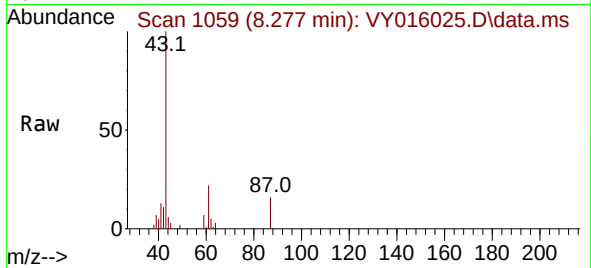
Tgt Ion: 62 Resp: 11481
Ion Ratio Lower Upper
62 100
98 10.7 0.0 15.8





#43
Isopropyl Acetate
Concen: 4.256 ug/l
RT: 8.277 min Scan# 1059
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

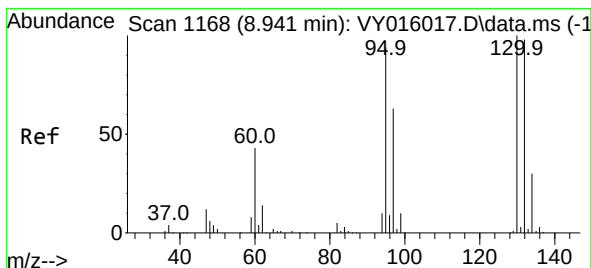
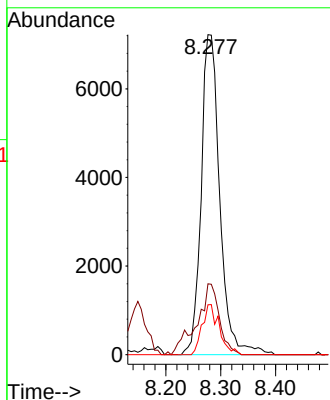
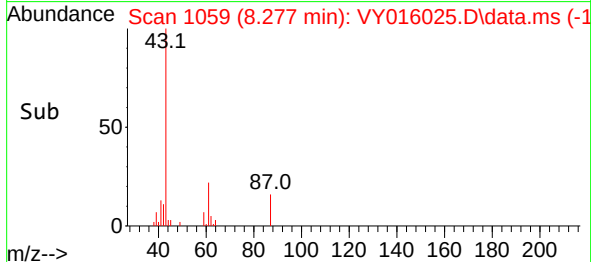
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 43 Resp: 16998
Ion Ratio Lower Upper
43 100
61 27.0 21.1 31.7
87 14.4 9.8 14.8

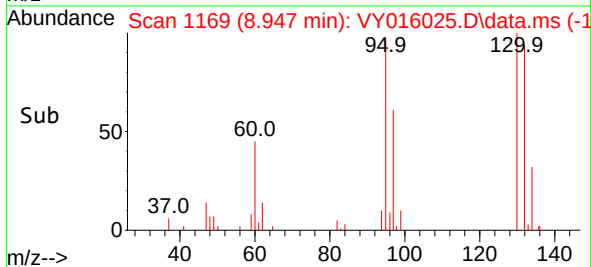
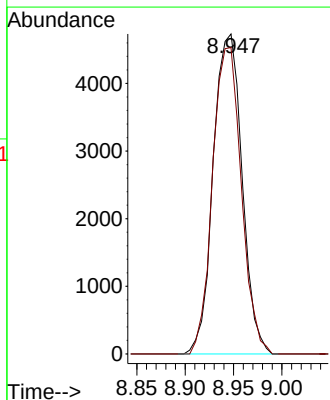
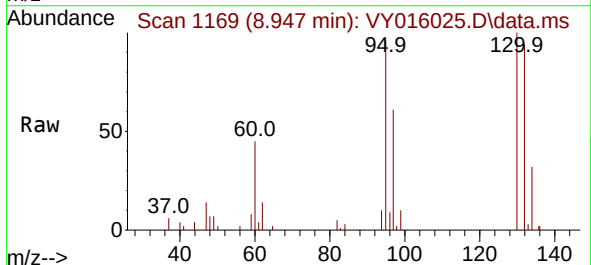
Manual Integrations
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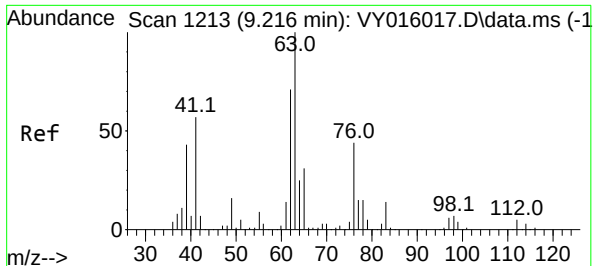
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#44
Trichloroethene
Concen: 3.916 ug/l
RT: 8.947 min Scan# 1169
Delta R.T. 0.006 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

Tgt Ion:130 Resp: 9806
Ion Ratio Lower Upper
130 100
95 95.8 0.0 196.0





#45

1,2-Dichloropropane

Concen: 3.767 ug/l

RT: 9.222 min Scan# 1214

Delta R.T. 0.006 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 63 Resp: 8420

Ion Ratio Lower Upper

63 100

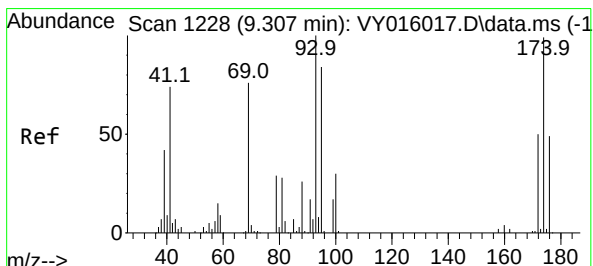
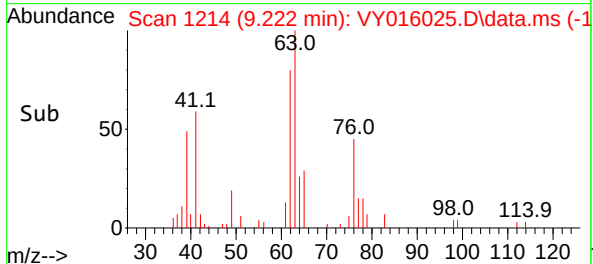
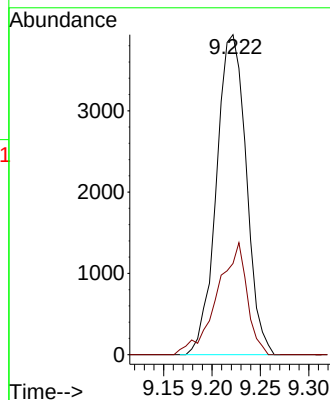
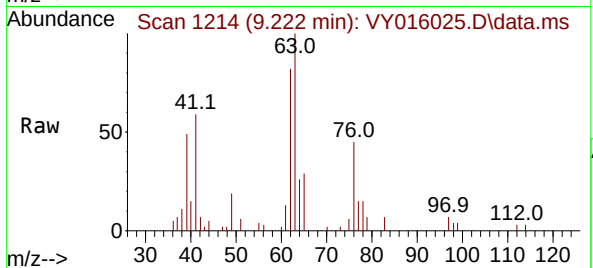
65 28.5 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#46

Dibromomethane

Concen: 3.996 ug/l

RT: 9.313 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

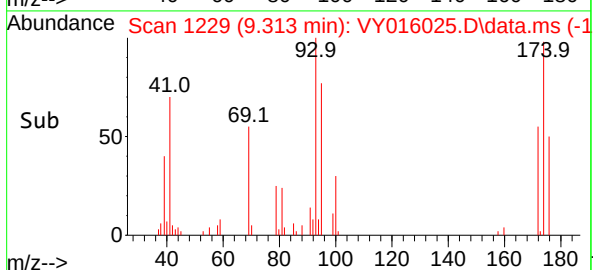
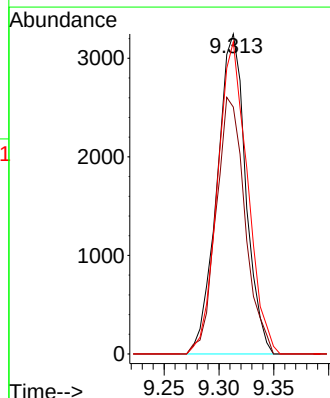
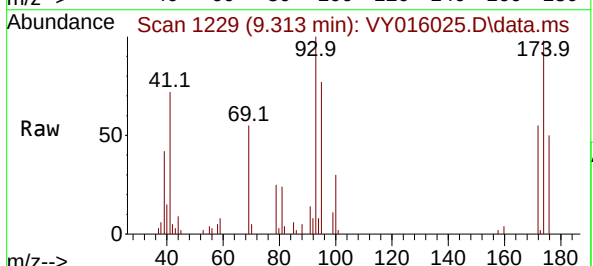
Tgt Ion: 93 Resp: 5930

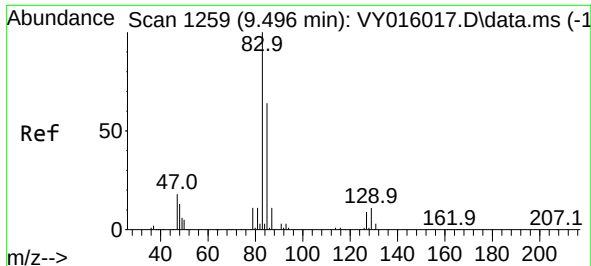
Ion Ratio Lower Upper

93 100

95 80.9 66.6 100.0

174 101.4 84.8 127.2





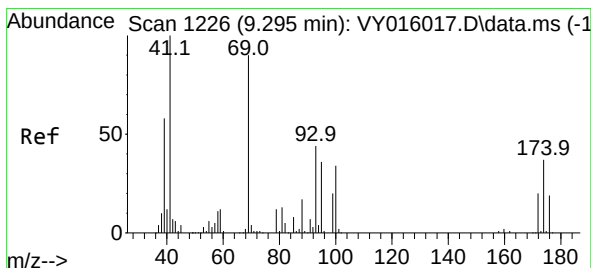
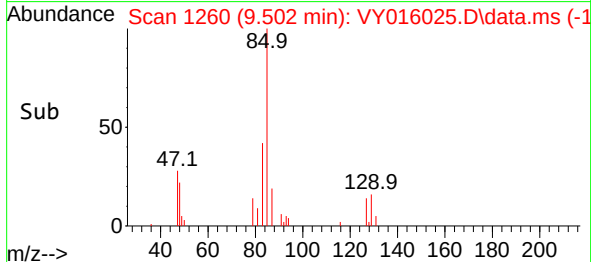
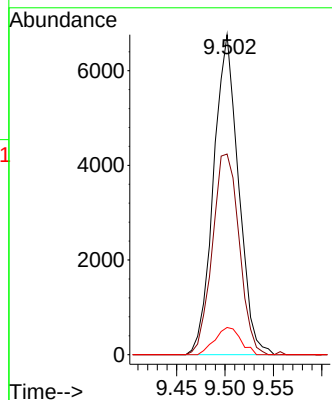
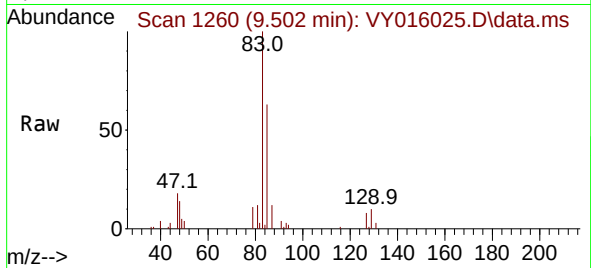
#47
Bromodichloromethane
Concen: 3.734 ug/l
RT: 9.502 min Scan# 1214
Delta R.T. 0.006 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

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

Tgt Ion: 83 Resp: 1214
Ion Ratio Lower Upper
83 100
85 62.7 50.1 75.1
127 8.5 7.1 10.7

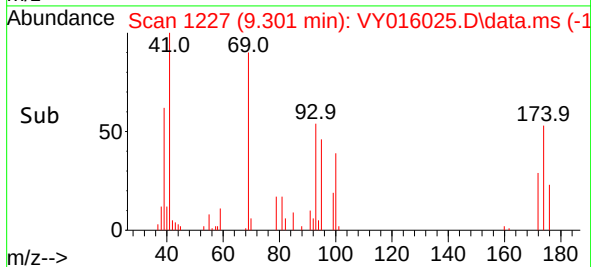
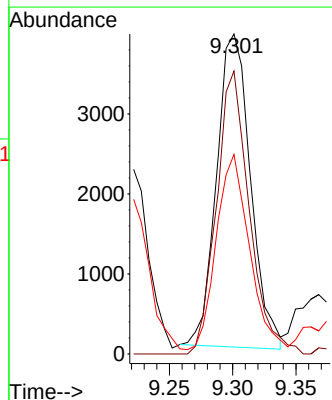
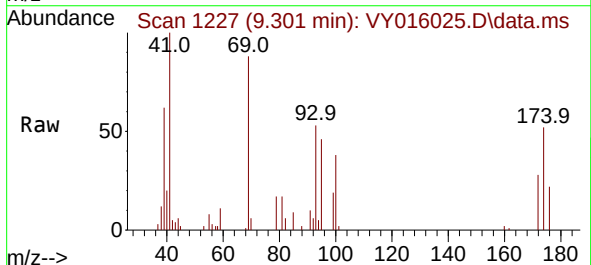
Manual Integrations
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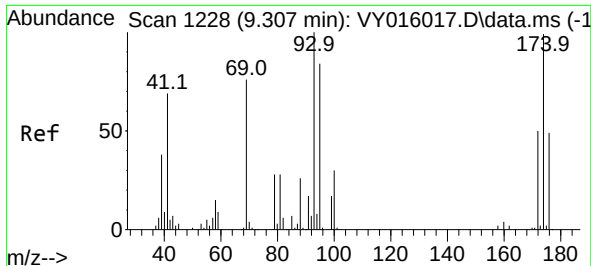
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#48
Methyl methacrylate
Concen: 4.011 ug/l
RT: 9.301 min Scan# 1227
Delta R.T. 0.006 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

Tgt Ion: 41 Resp: 7292
Ion Ratio Lower Upper
41 100
69 87.6 64.5 96.7
39 63.9 50.8 76.2





#49

1,4-Dioxane

Concen: 103.225 ug/l m

RT: 9.362 min Scan# 1237

Delta R.T. 0.055 min

Lab File: VY016025.D

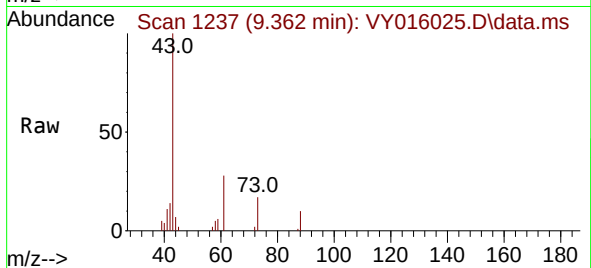
Acq: 18 Oct 2023 17:17

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



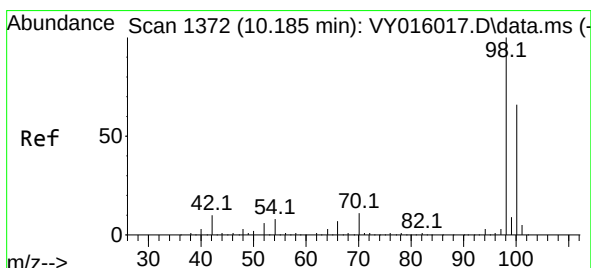
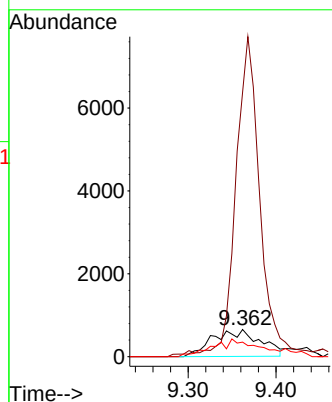
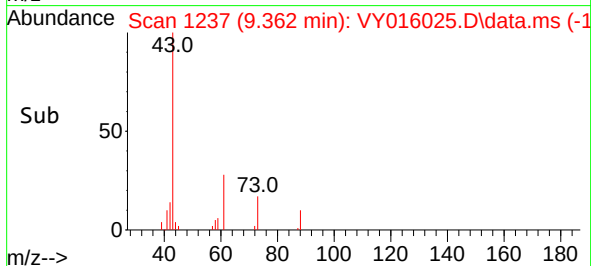
Tgt Ion:	88	Resp:	2439
Ion Ratio	Lower	Upper	
88	100		
43	0.0	0.0	0.0
58	61.9	30.9	46.3

Manual Integrations

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Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#50

Toluene-d8

Concen: 46.864 ug/l

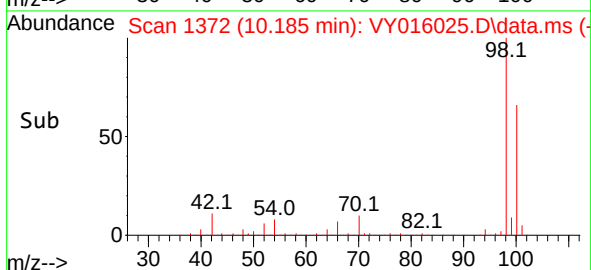
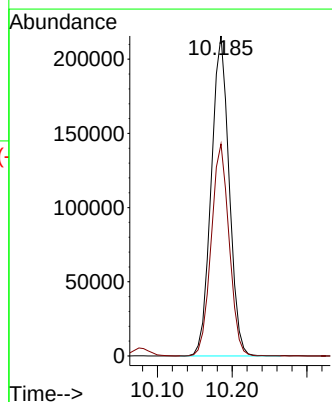
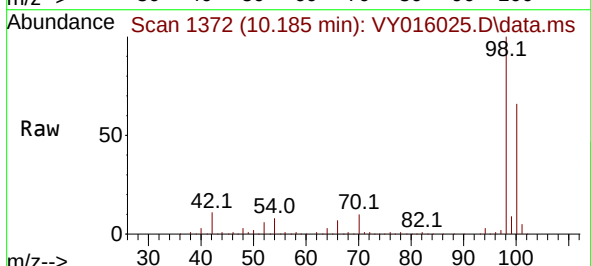
RT: 10.185 min Scan# 1372

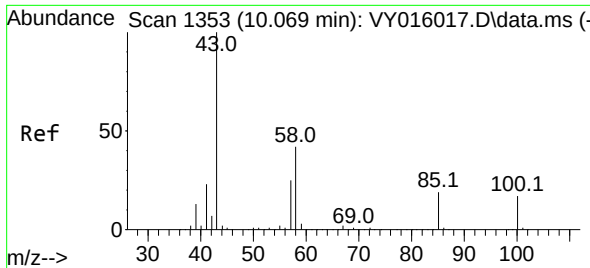
Delta R.T. -0.000 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

Tgt Ion:	98	Resp:	358490
Ion Ratio	Lower	Upper	
98	100		
100	66.2	50.1	75.1





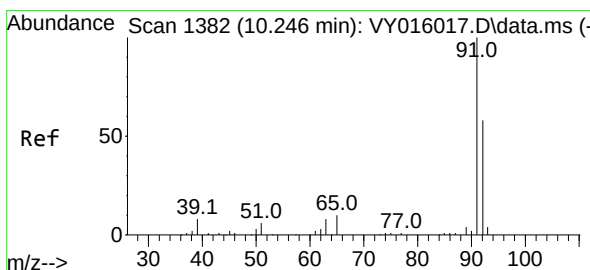
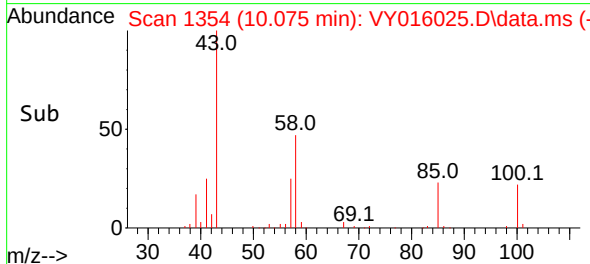
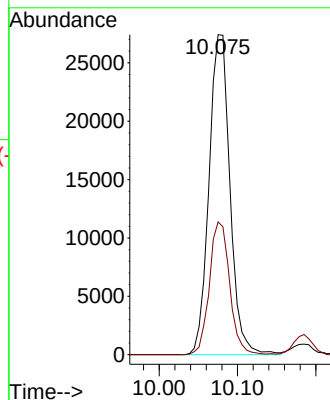
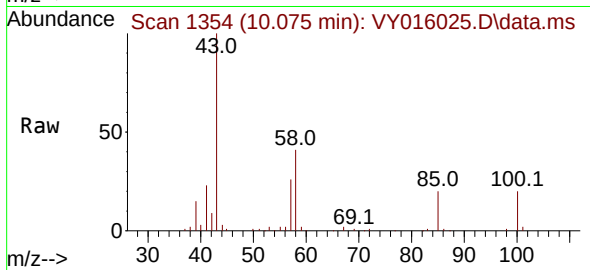
#51
4-Methyl-2-Pentanone
Concen: 22.257 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.006 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

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

Tgt Ion: 43 Resp: 51114
Ion Ratio Lower Upper
43 100
58 40.0 29.0 43.6

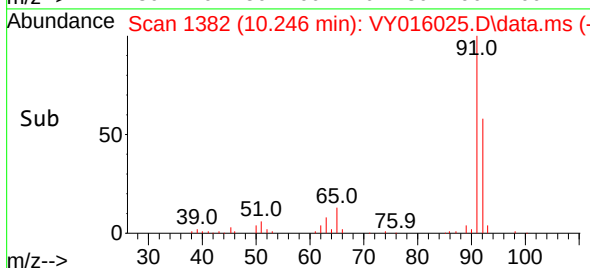
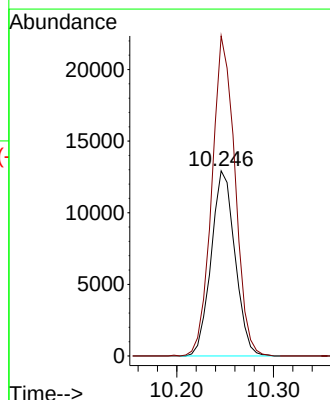
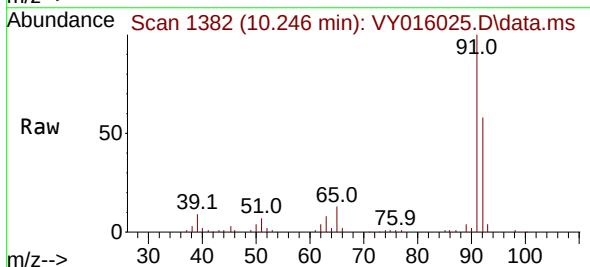
Manual Integrations
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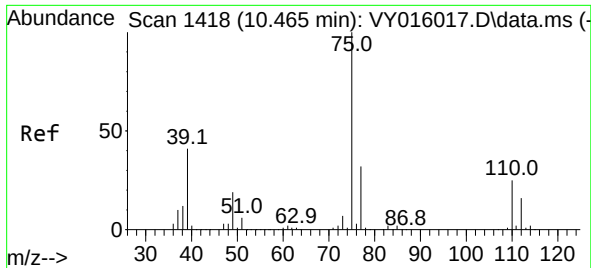
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#52
Toluene
Concen: 3.816 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

Tgt Ion: 92 Resp: 22105
Ion Ratio Lower Upper
92 100
91 167.9 143.8 215.6





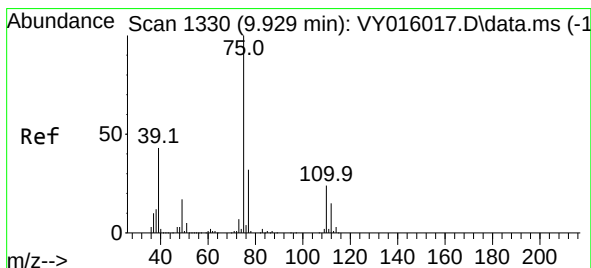
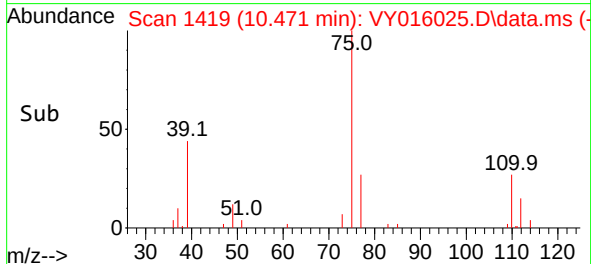
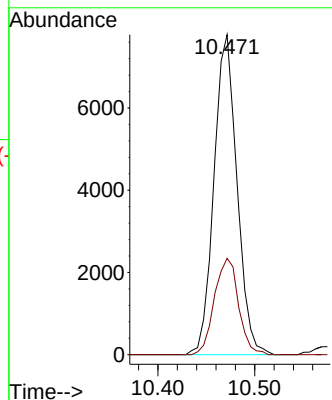
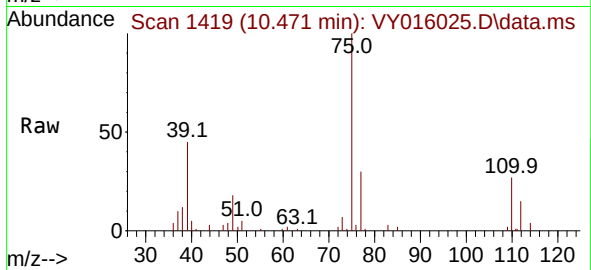
#53
 t-1,3-Dichloropropene
 Concen: 3.649 ug/l
 RT: 10.471 min Scan# 1418
 Delta R.T. 0.006 min
 Lab File: VY016025.D
 Acq: 18 Oct 2023 17:17

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

Tgt Ion: 75 Resp: 1285
 Ion Ratio Lower Upper
 75 100
 77 30.1 25.0 37.4

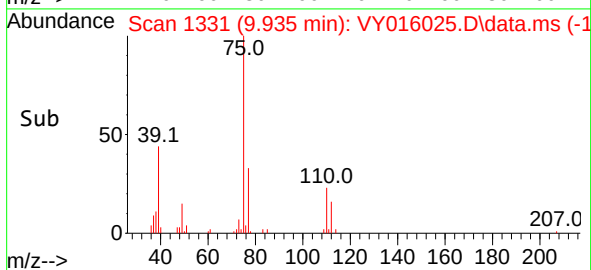
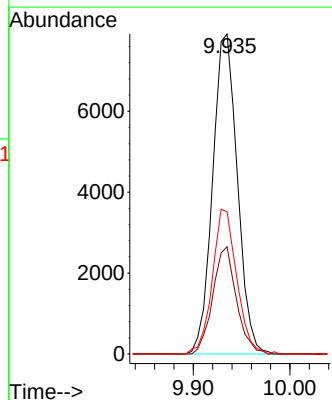
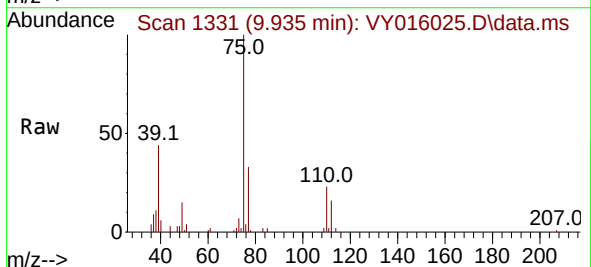
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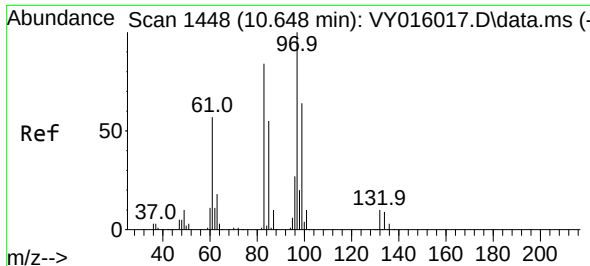
Reviewed By :John Carlone 10/19/2023
 Supervised By :Semsettin Yesilyurt 10/20/2023



#54
 cis-1,3-Dichloropropene
 Concen: 3.656 ug/l
 RT: 9.935 min Scan# 1331
 Delta R.T. 0.006 min
 Lab File: VY016025.D
 Acq: 18 Oct 2023 17:17

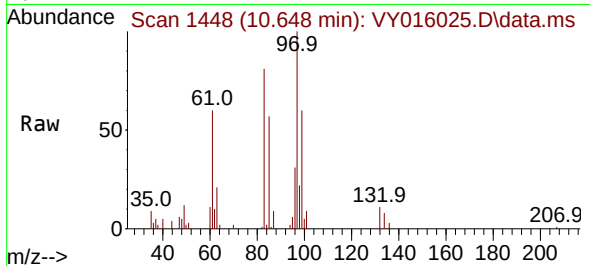
Tgt Ion: 75 Resp: 14040
 Ion Ratio Lower Upper
 75 100
 77 33.5 24.2 36.4
 39 44.4 42.2 63.4





#55
1,1,2-Trichloroethane
Concen: 4.095 ug/l
RT: 10.648 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

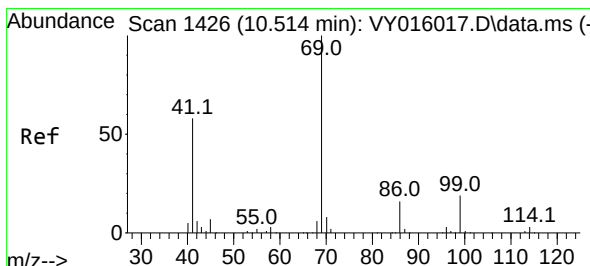
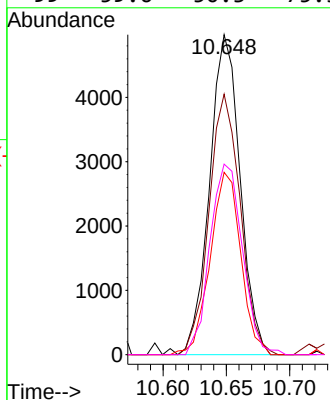
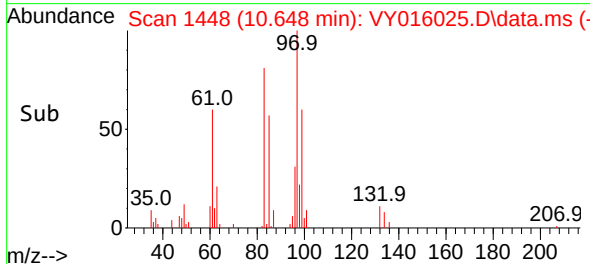
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:	97	Resp:	834
Ion	Ratio	Lower	Upper
97	100		
83	81.4	72.0	108.0
85	57.0	45.4	68.0
99	59.6	50.3	75.5

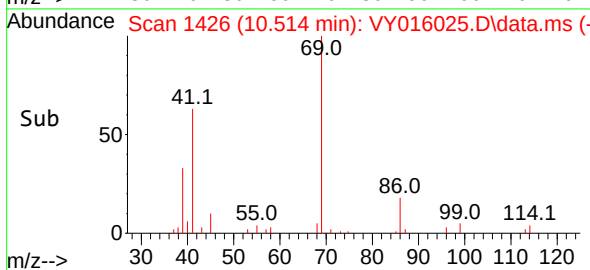
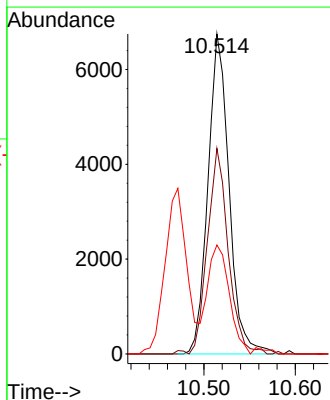
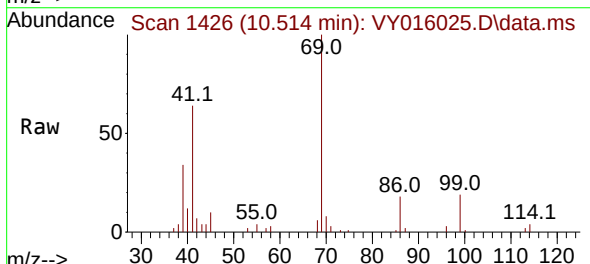
Manual Integrations
APPROVED

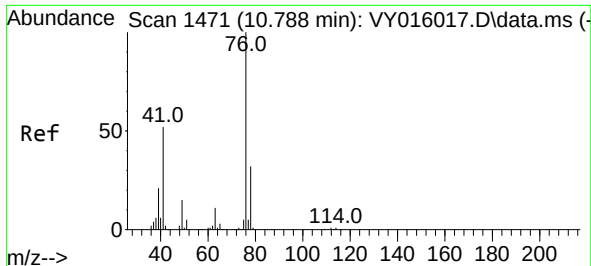
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#56
Ethyl methacrylate
Concen: 3.630 ug/l
RT: 10.514 min Scan# 1426
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

Tgt Ion:	69	Resp:	10815
Ion	Ratio	Lower	Upper
69	100		
41	63.4	57.6	86.4
39	34.6	34.1	51.1





#57

1,3-Dichloropropane

Concen: 3.949 ug/l

RT: 10.795 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 76 Resp: 13658

Ion Ratio Lower Upper

76 100

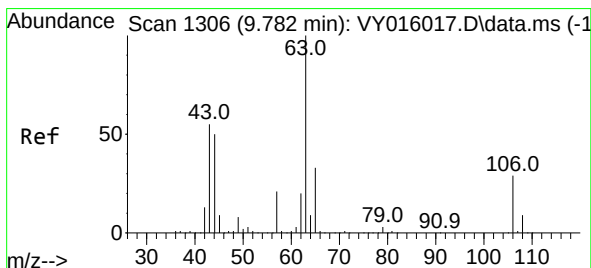
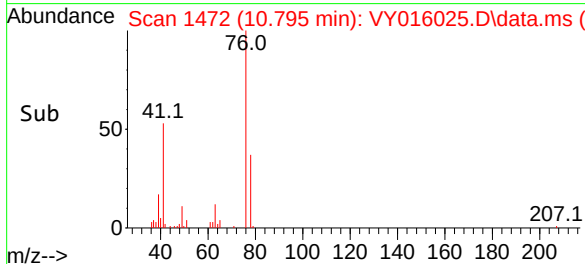
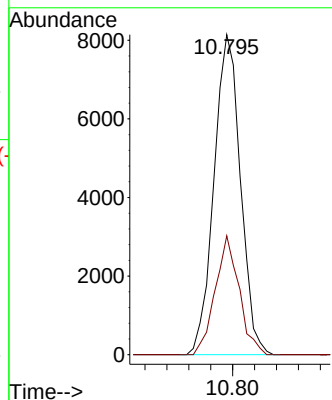
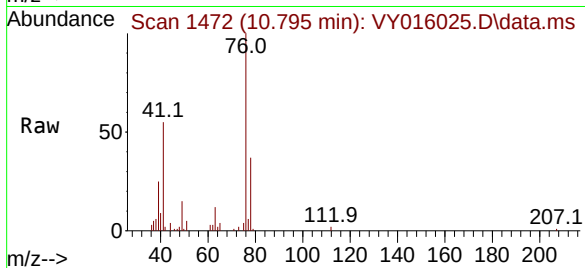
78 33.6 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#58

2-Chloroethyl Vinyl ether

Concen: 21.626 ug/l

RT: 9.789 min Scan# 1307

Delta R.T. 0.006 min

Lab File: VY016025.D

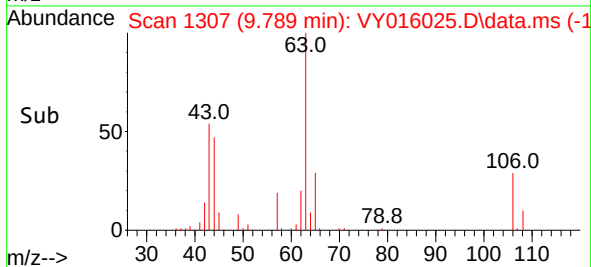
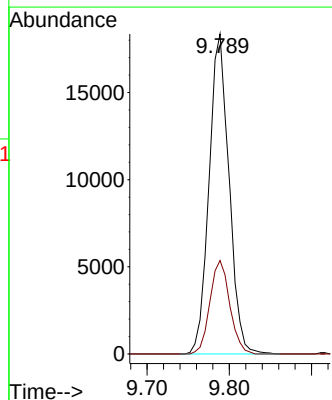
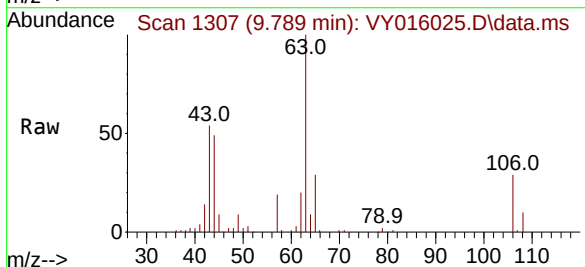
Acq: 18 Oct 2023 17:17

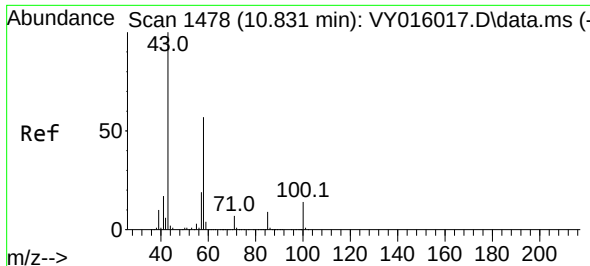
Tgt Ion: 63 Resp: 30947

Ion Ratio Lower Upper

63 100

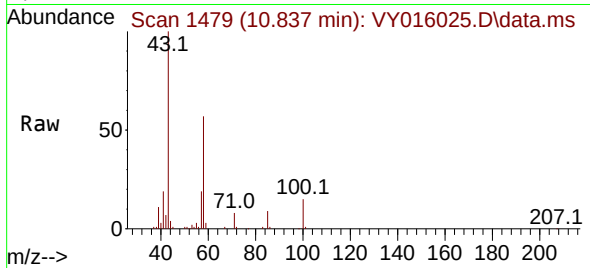
106 29.0 21.2 31.8





#59
2-Hexanone
Concen: 22.440 ug/l
RT: 10.837 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

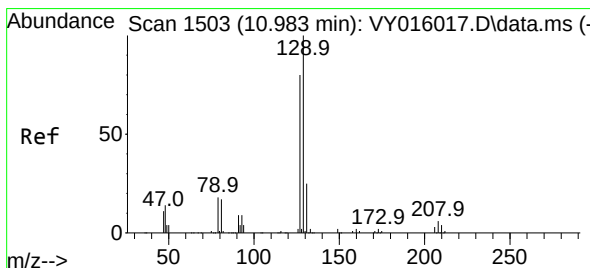
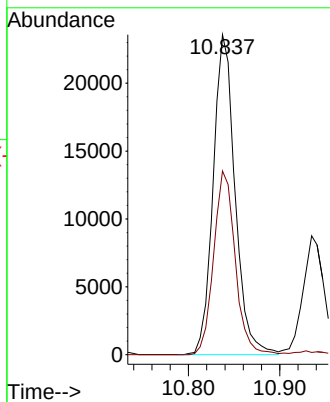
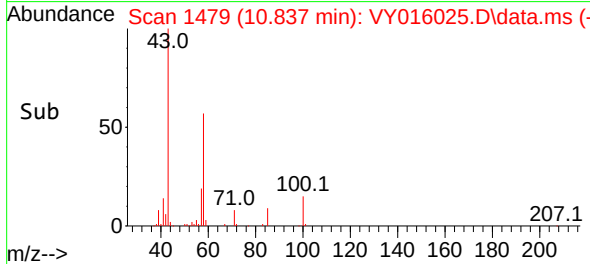
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 43 Resp: 39209
Ion Ratio Lower Upper
43 100
58 56.7 25.1 75.3

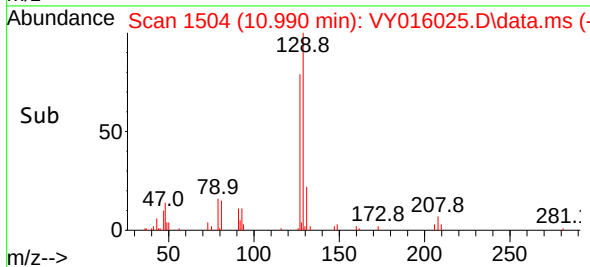
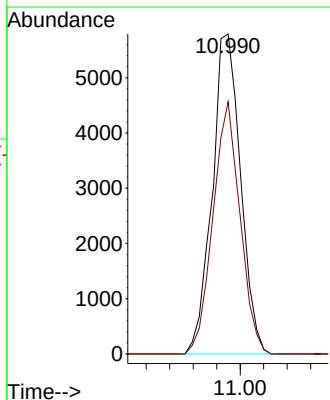
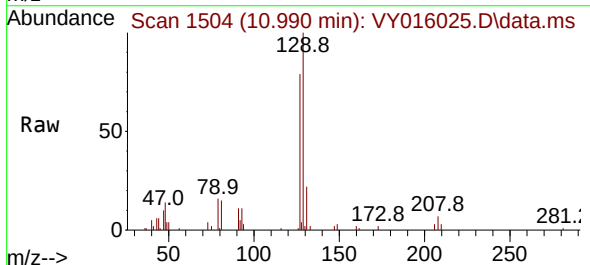
Manual Integrations
APPROVED

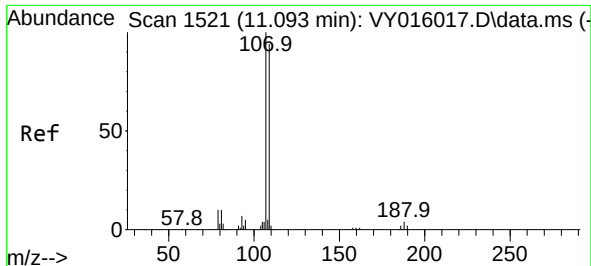
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#60
Dibromochloromethane
Concen: 3.943 ug/l
RT: 10.990 min Scan# 1504
Delta R.T. 0.006 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

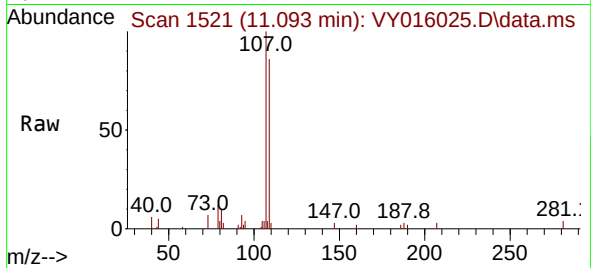
Tgt Ion:129 Resp: 9722
Ion Ratio Lower Upper
129 100
127 75.0 38.5 115.5





#61
1,2-Dibromoethane
Concen: 4.105 ug/l
RT: 11.093 min Scan# 1521
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

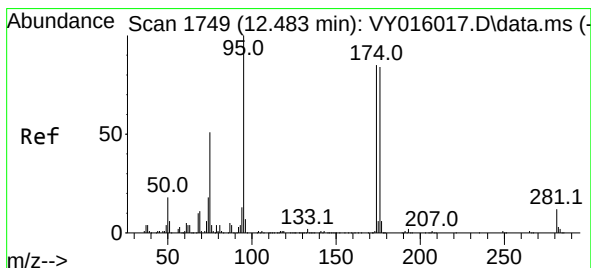
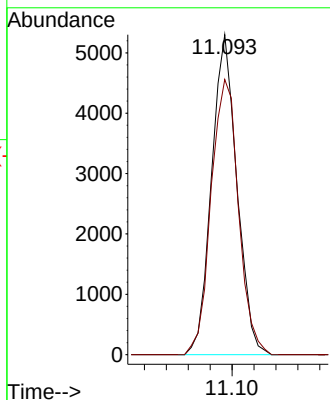
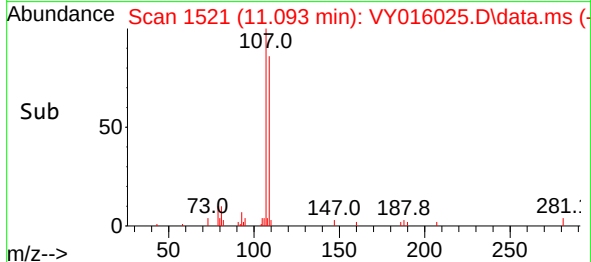
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



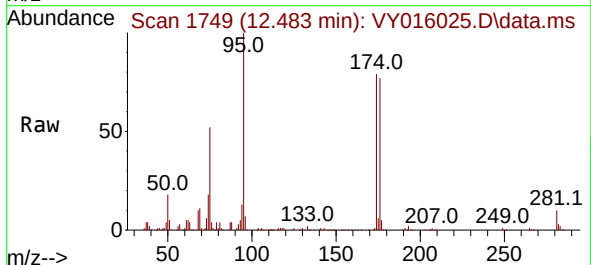
Tgt Ion:107 Resp: 851
Ion Ratio Lower Upper
107 100
109 93.0 75.6 113.4

Manual Integrations
APPROVED

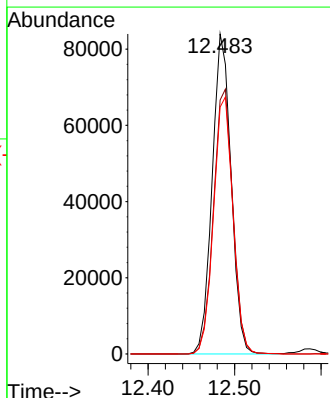
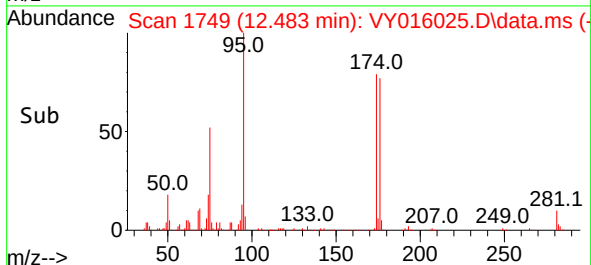
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023

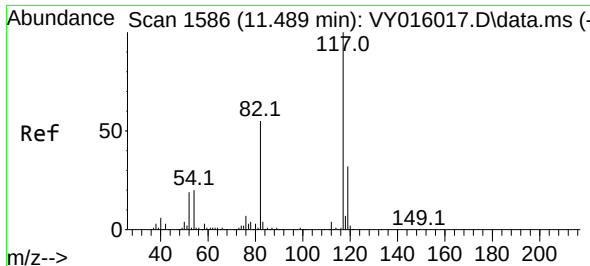


#62
4-Bromofluorobenzene
Concen: 46.635 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17



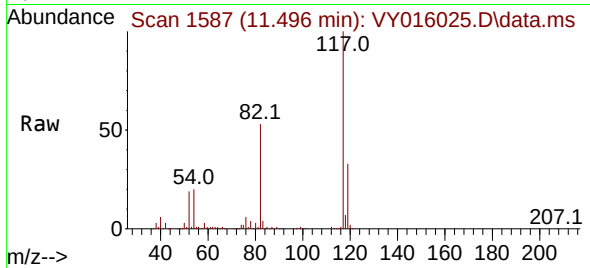
Tgt Ion: 95 Resp: 127290
Ion Ratio Lower Upper
95 100
174 85.3 0.0 178.2
176 82.5 0.0 173.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11587
Delta R.T. 0.006 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

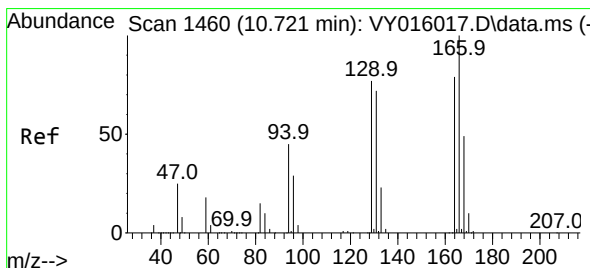
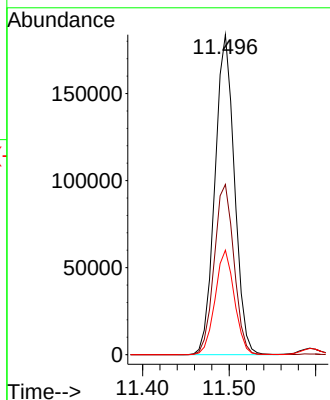
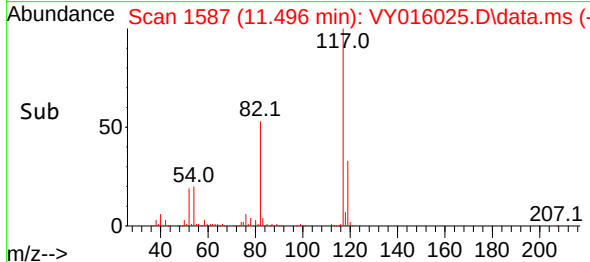
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:117 Resp: 287690
Ion Ratio Lower Upper
117 100
82 53.2 43.4 65.0
119 32.7 26.3 39.5

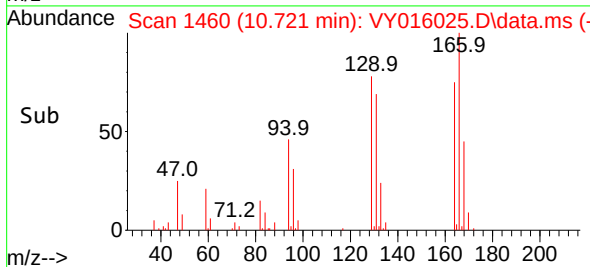
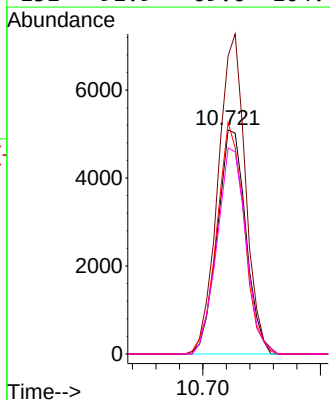
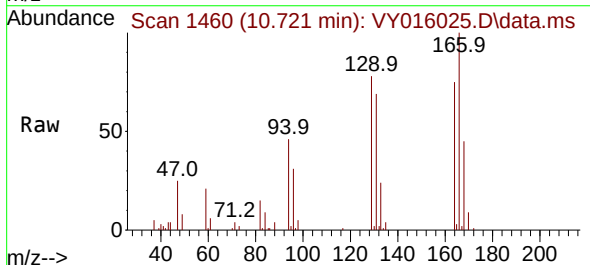
Manual Integrations
APPROVED

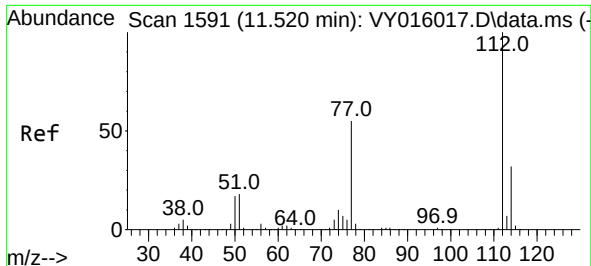
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#64
Tetrachloroethene
Concen: 3.856 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

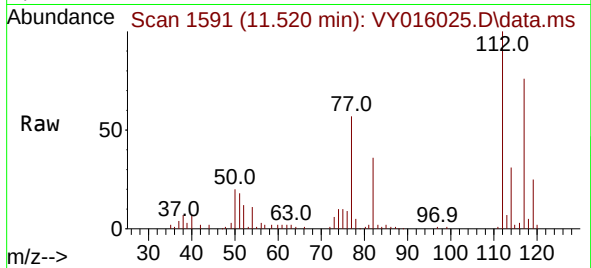
Tgt Ion:164 Resp: 8603
Ion Ratio Lower Upper
164 100
166 133.0 103.0 154.6
129 103.2 77.2 115.8
131 91.9 69.6 104.4





#65
Chlorobenzene
Concen: 3.867 ug/l
RT: 11.520 min Scan# 11591
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

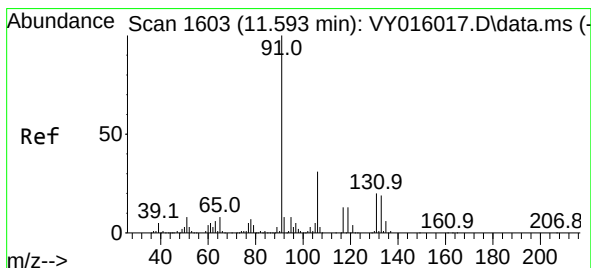
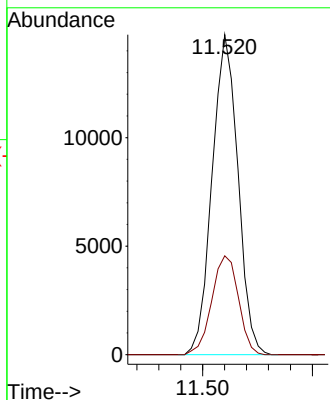
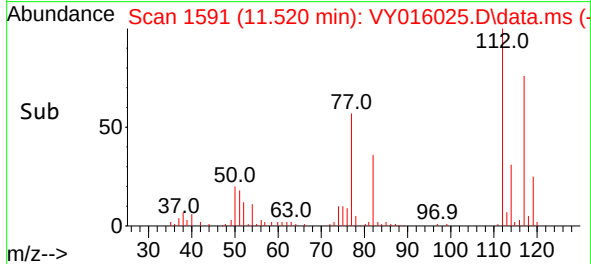
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



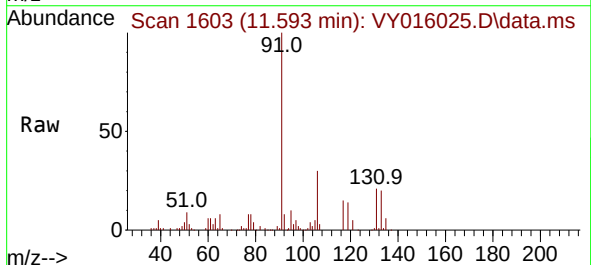
Tgt Ion:112 Resp: 2409
Ion Ratio Lower Upper
112 100
114 30.9 25.5 38.3

Manual Integrations
APPROVED

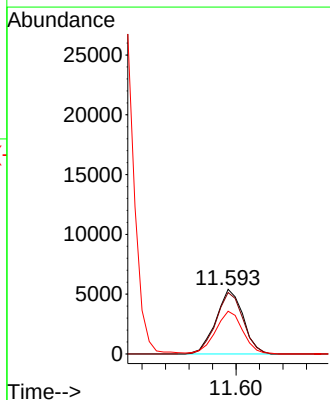
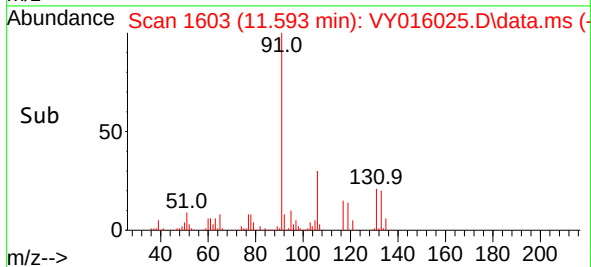
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023

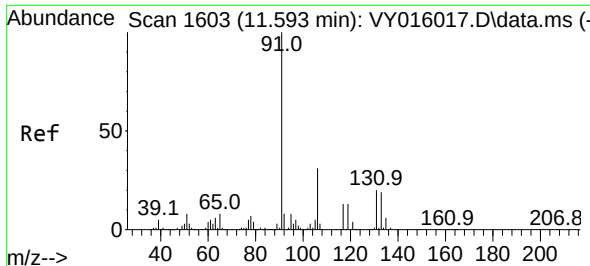


#66
1,1,1,2-Tetrachloroethane
Concen: 3.690 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17



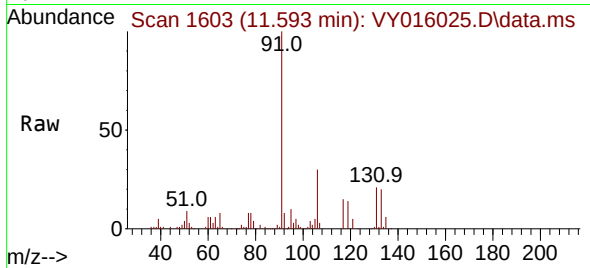
Tgt Ion:131 Resp: 8666
Ion Ratio Lower Upper
131 100
133 94.9 47.5 142.6
119 66.7 31.6 94.7





#67
Ethyl Benzene
Concen: 3.661 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

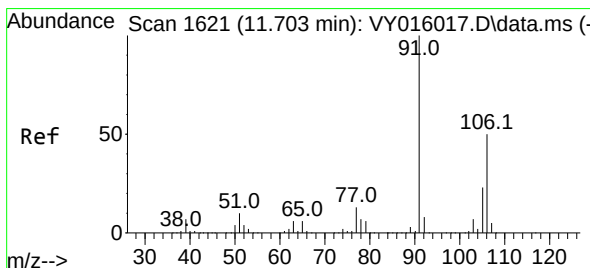
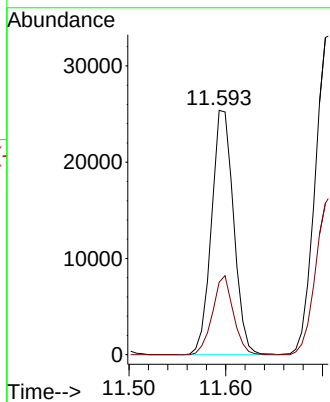
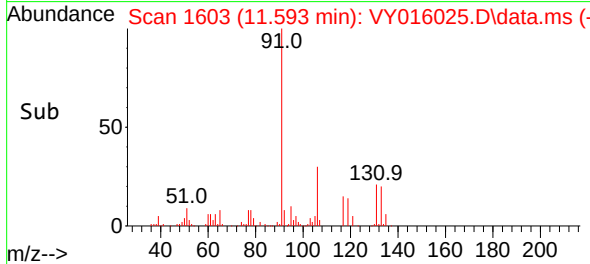
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



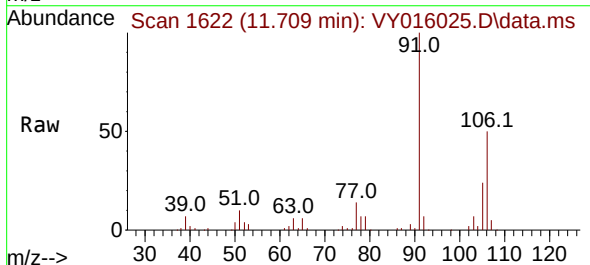
Tgt Ion: 91 Resp: 40360
Ion Ratio Lower Upper
91 100
106 29.7 24.6 36.8

Manual Integrations
APPROVED

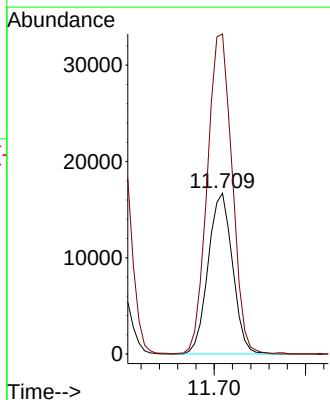
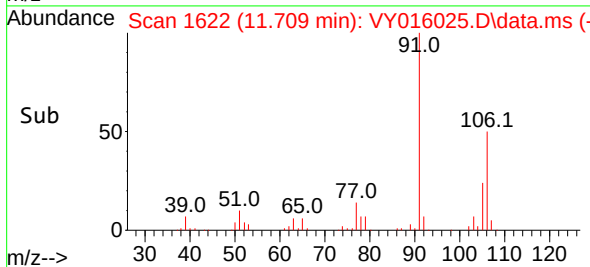
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023

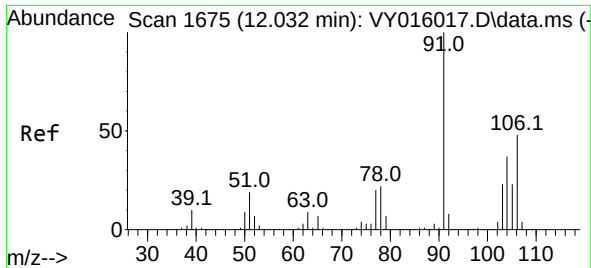


#68
m/p-Xylenes
Concen: 7.181 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17



Tgt Ion:106 Resp: 30871
Ion Ratio Lower Upper
106 100
91 203.5 166.1 249.1





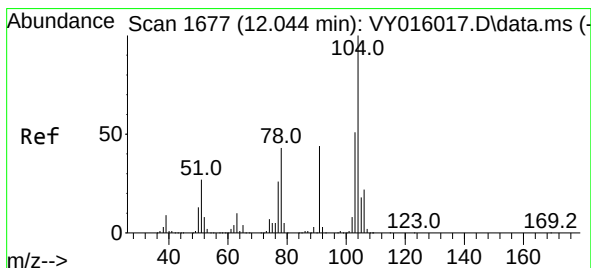
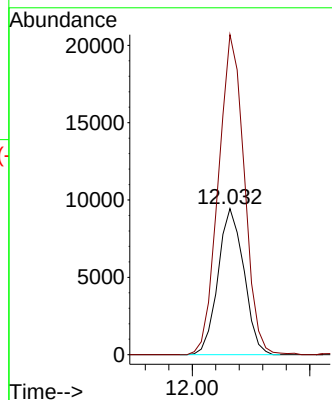
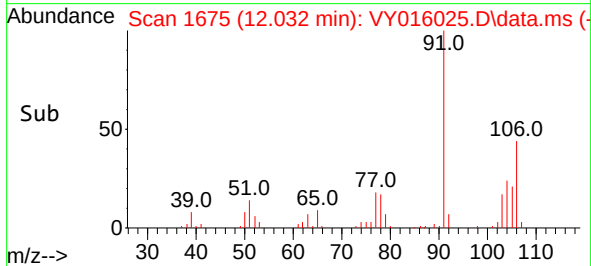
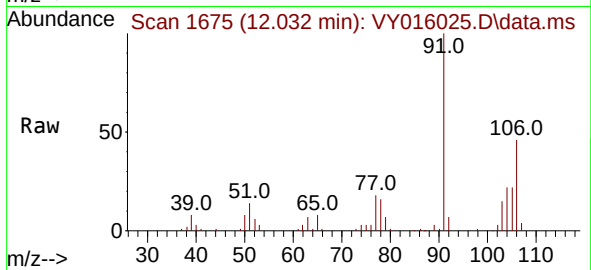
#69
o-Xylene
Concen: 3.531 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

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

Tgt Ion:106 Resp: 14440
Ion Ratio Lower Upper
106 100
91 219.9 108.1 324.3

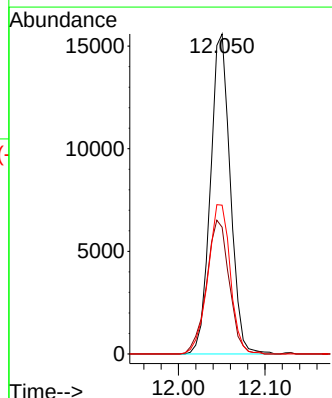
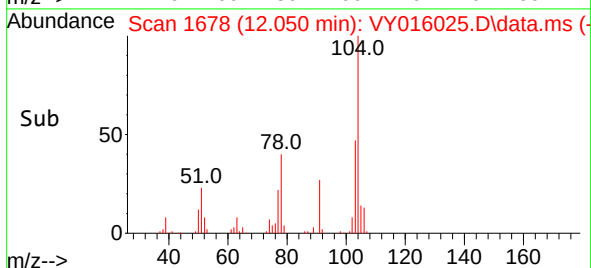
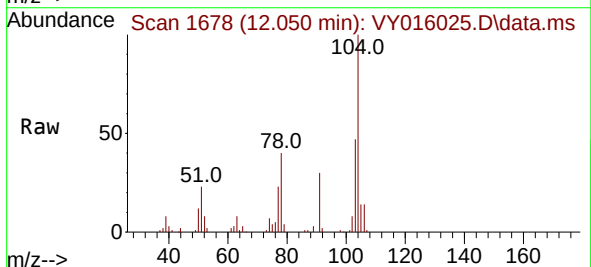
Manual Integrations
APPROVED

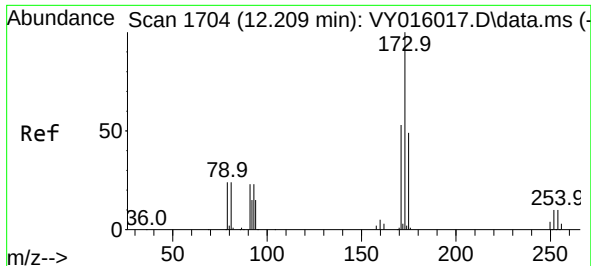
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#70
Styrene
Concen: 3.558 ug/l
RT: 12.050 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

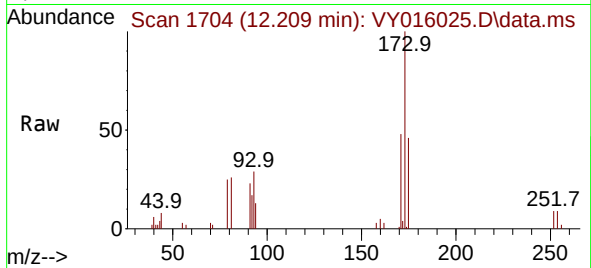
Tgt Ion:104 Resp: 24800
Ion Ratio Lower Upper
104 100
78 48.0 41.5 62.3
103 52.7 44.6 67.0





#71
Bromoform
Concen: 4.135 ug/l
RT: 12.209 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

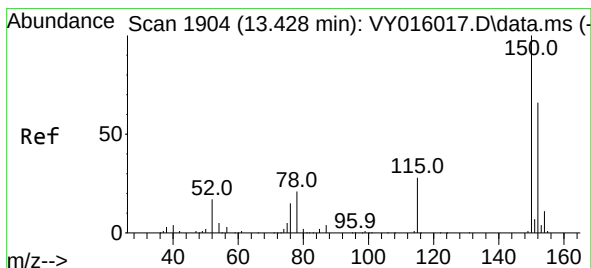
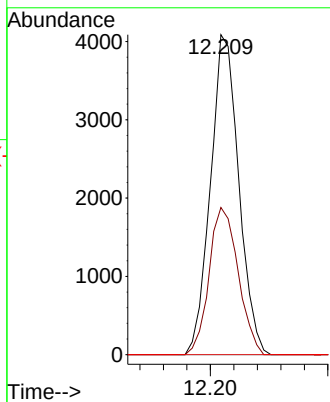
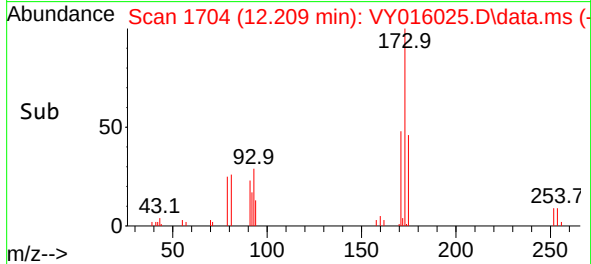
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:173 Resp: 683
Ion Ratio Lower Upper
173 100
175 47.3 24.6 73.8
254 0.0 0.2 0.2

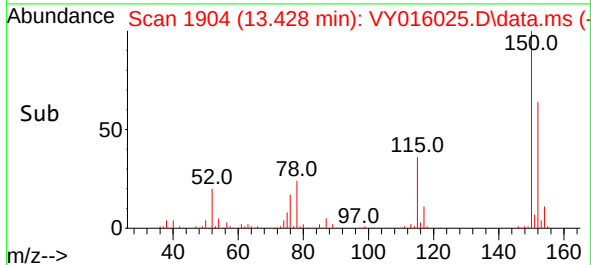
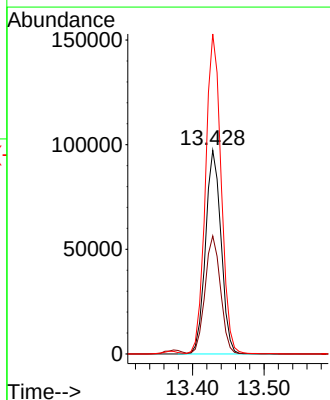
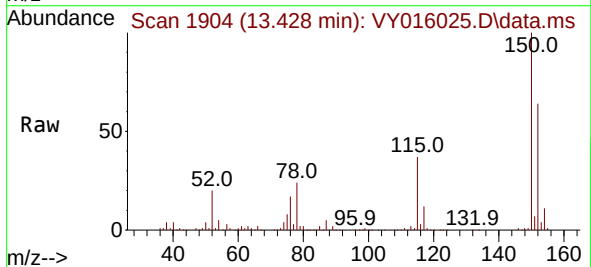
Manual Integrations
APPROVED

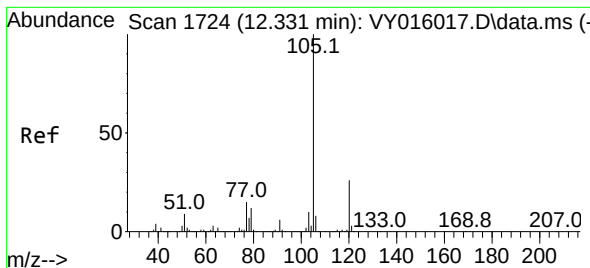
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

Tgt Ion:152 Resp: 146499
Ion Ratio Lower Upper
152 100
115 57.9 28.8 86.5
150 158.0 0.0 348.8





#73

Isopropylbenzene

Concen: 3.479 ug/l

RT: 12.337 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:105 Resp: 3812

Ion Ratio Lower Upper

105 100

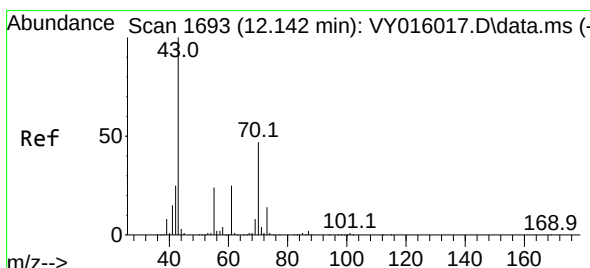
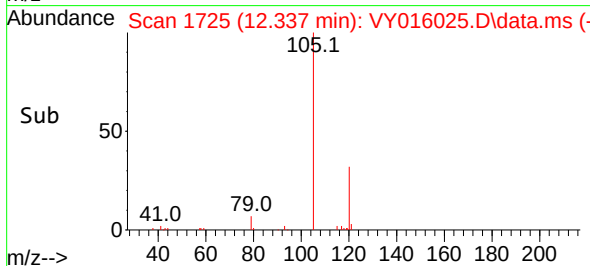
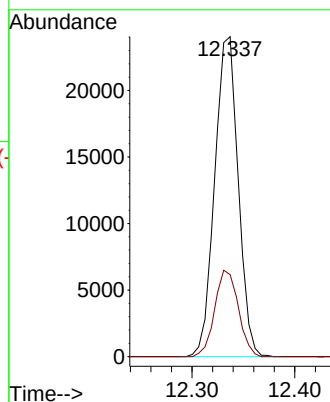
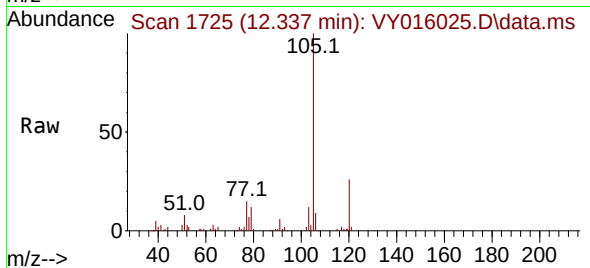
120 27.1 13.3 39.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#74

N-ethyl acetate

Concen: 3.745 ug/l

RT: 12.148 min Scan# 1694

Delta R.T. 0.006 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

Tgt Ion: 43 Resp: 12962

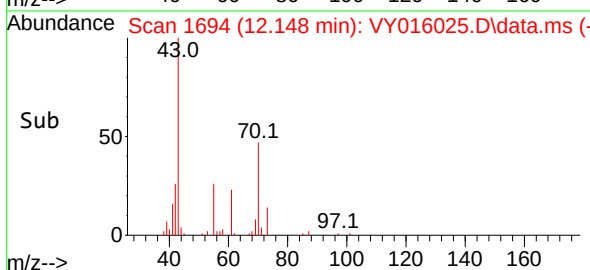
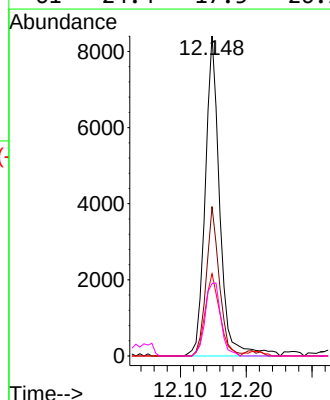
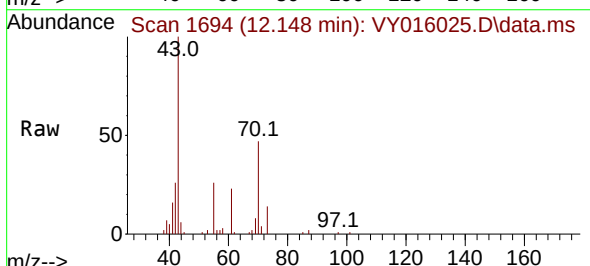
Ion Ratio Lower Upper

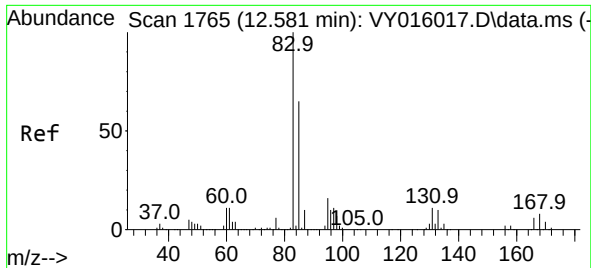
43 100

70 42.1 29.7 44.5

55 25.8 18.3 27.5

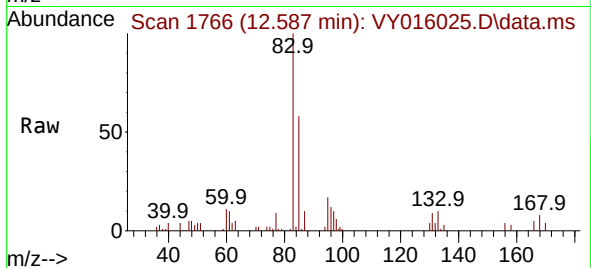
61 24.4 17.5 26.3





#75
1,1,2,2-Tetrachloroethane
Concen: 4.465 ug/l
RT: 12.587 min Scan# 1765
Delta R.T. 0.006 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

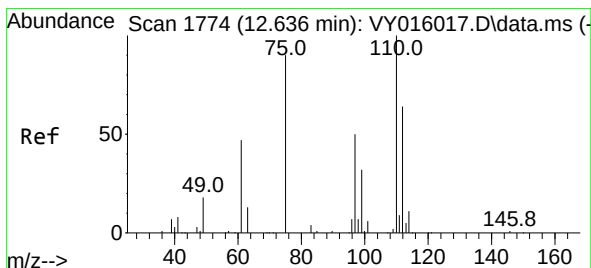
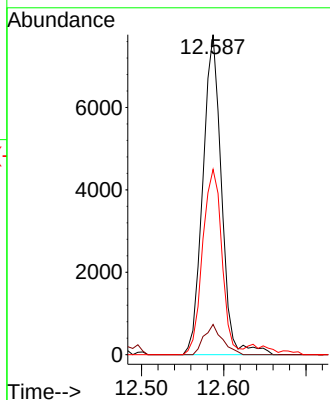
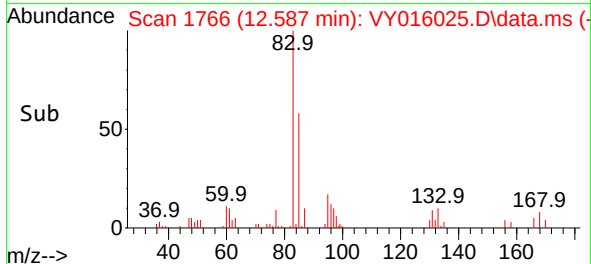
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 83 Resp: 12254
Ion Ratio Lower Upper
83 100
131 9.3 5.4 16.2
85 60.0 31.8 95.4

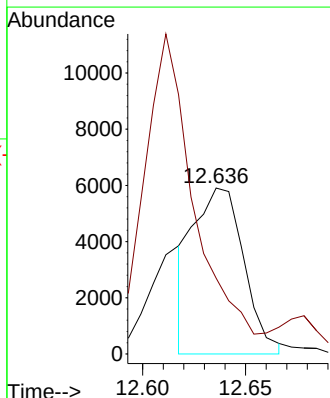
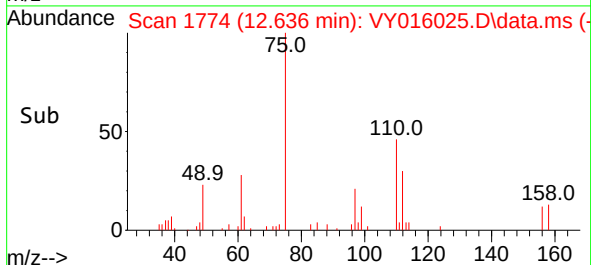
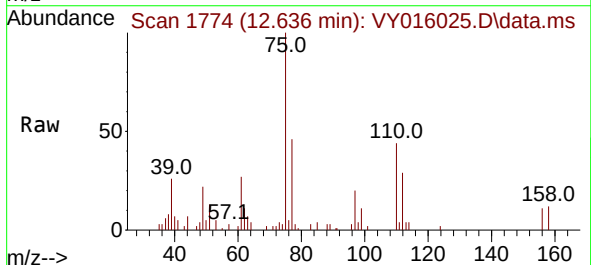
Manual Integrations
APPROVED

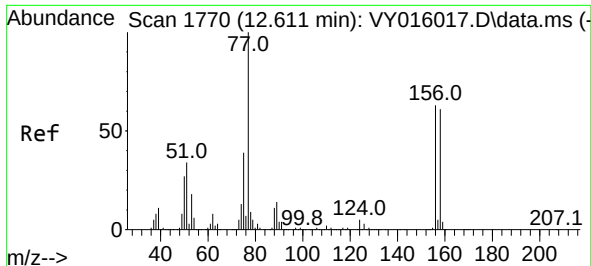
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#76
1,2,3-Trichloropropane
Concen: 4.873 ug/l m
RT: 12.636 min Scan# 1774
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

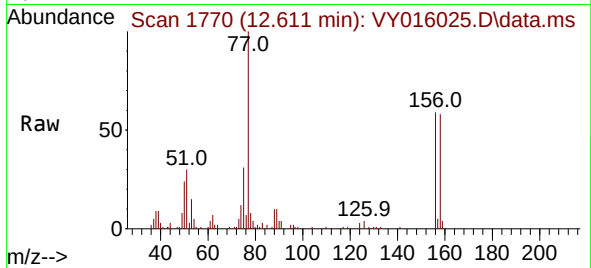
Tgt Ion: 75 Resp: 10108
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 3.910 ug/l
RT: 12.611 min Scan# 1770
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

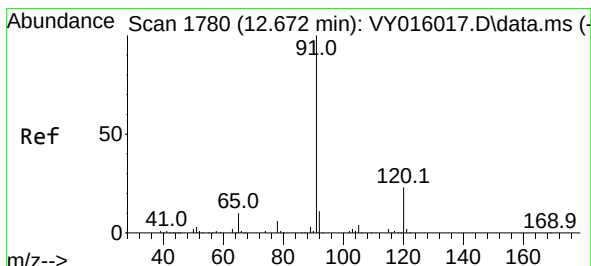
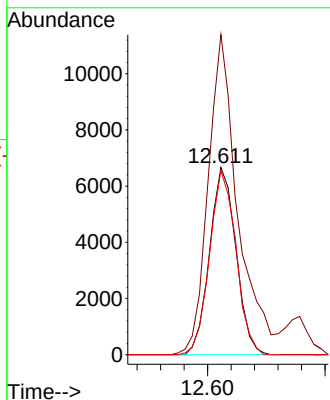
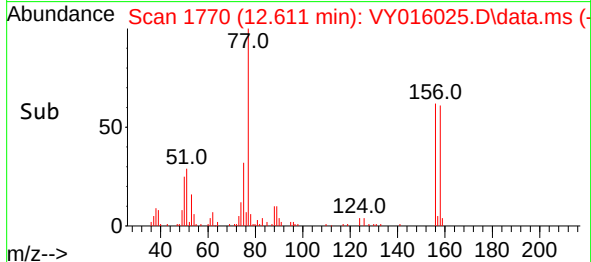
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 156 Resp: 10400
Ion Ratio Lower Upper
156 100
77 192.4 92.8 278.6
158 98.3 48.4 145.3

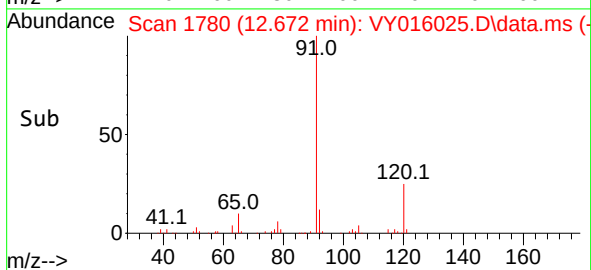
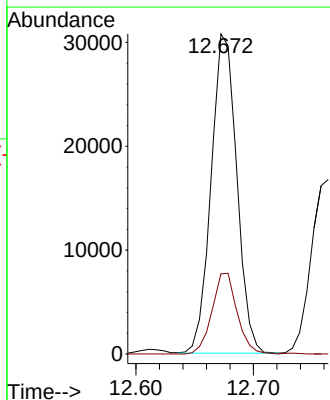
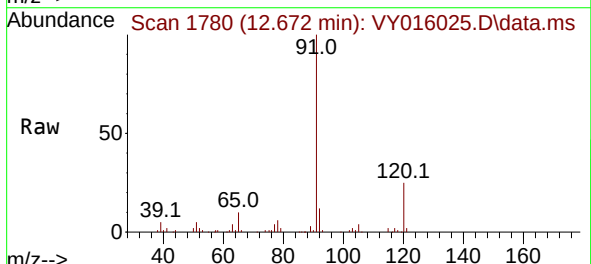
Manual Integrations
APPROVED

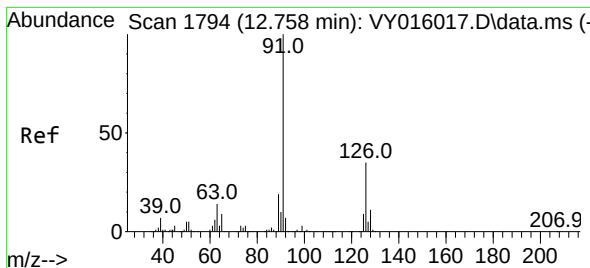
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#78
n-propylbenzene
Concen: 3.537 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

Tgt Ion: 91 Resp: 46687
Ion Ratio Lower Upper
91 100
120 24.7 11.5 34.4





#79

2-Chlorotoluene

Concen: 3.608 ug/l

RT: 12.764 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 91 Resp: 26728

Ion Ratio Lower Upper

91 100

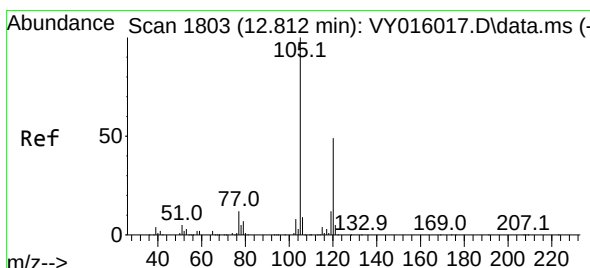
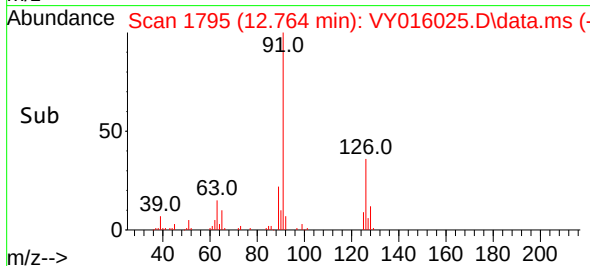
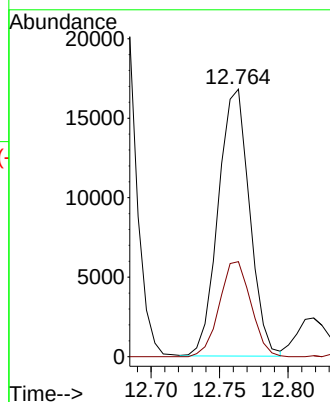
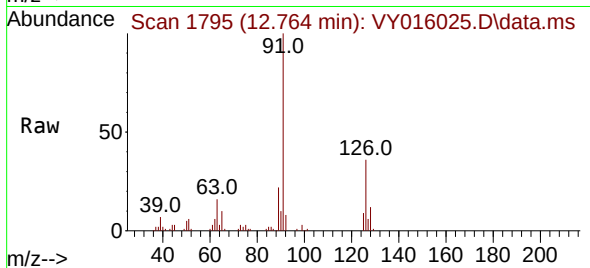
126 35.9 17.3 51.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#80

1,3,5-Trimethylbenzene

Concen: 3.592 ug/l

RT: 12.819 min Scan# 1804

Delta R.T. 0.006 min

Lab File: VY016025.D

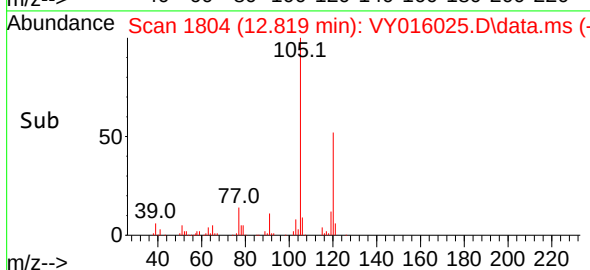
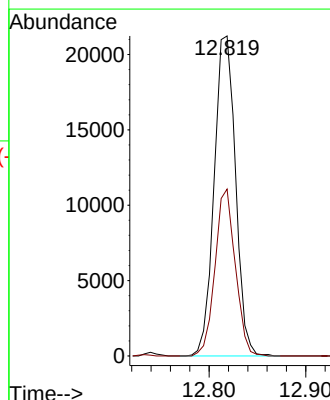
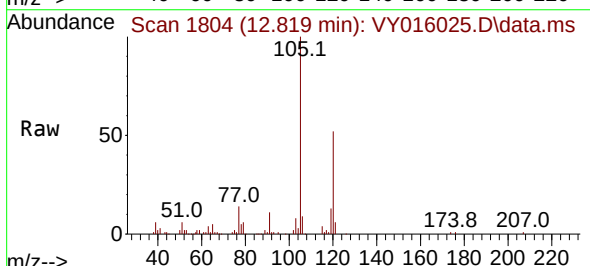
Acq: 18 Oct 2023 17:17

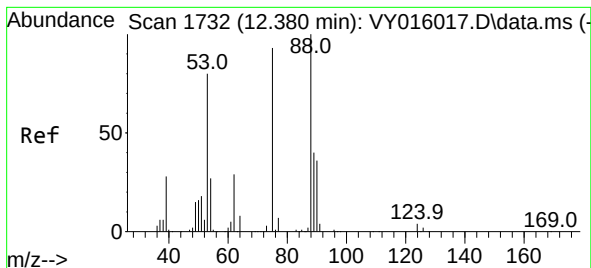
Tgt Ion:105 Resp: 32602

Ion Ratio Lower Upper

105 100

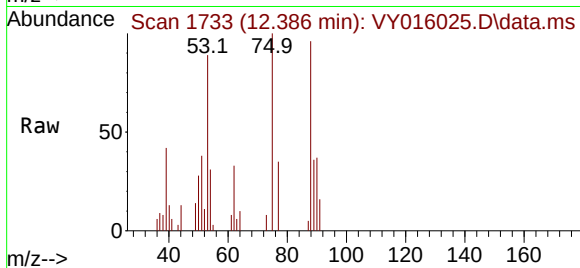
120 49.5 23.9 71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 3.678 ug/l
RT: 12.386 min Scan# 1732
Delta R.T. 0.006 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

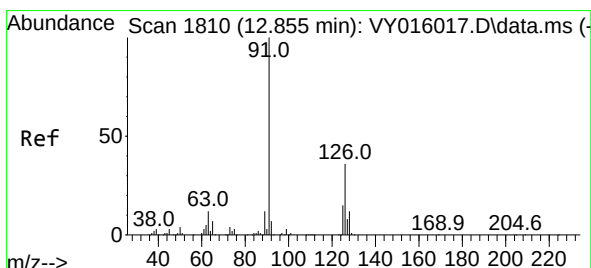
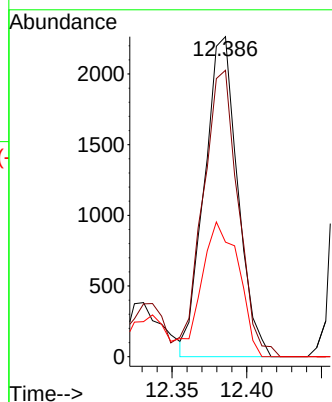
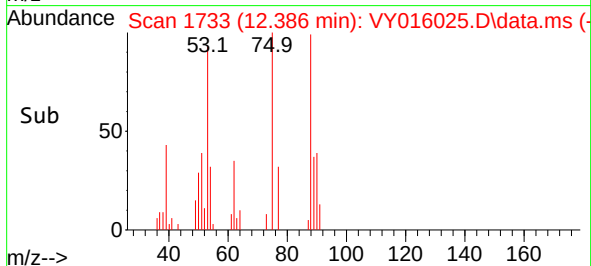
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 75 Resp: 349
Ion Ratio Lower Upper
75 100
53 95.3 77.8 116.8
89 47.8 37.4 56.0

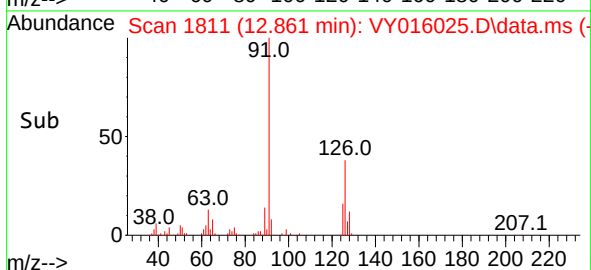
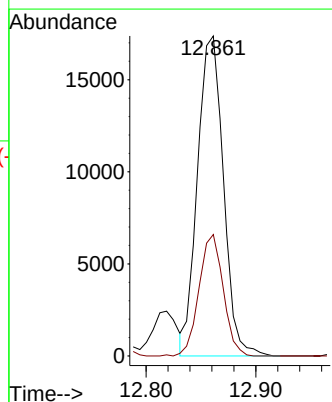
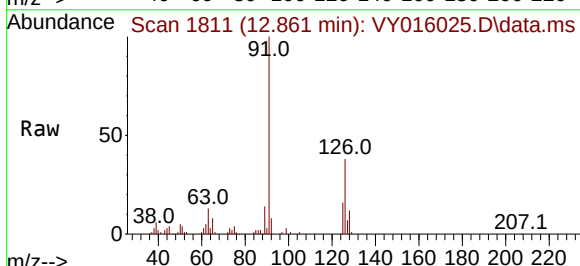
Manual Integrations
APPROVED

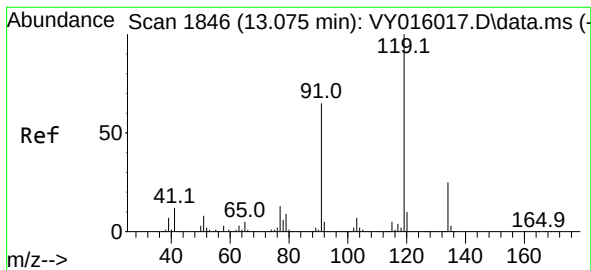
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#82
4-Chlorotoluene
Concen: 3.696 ug/l
RT: 12.861 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

Tgt Ion: 91 Resp: 28578
Ion Ratio Lower Upper
91 100
126 35.4 17.2 51.6





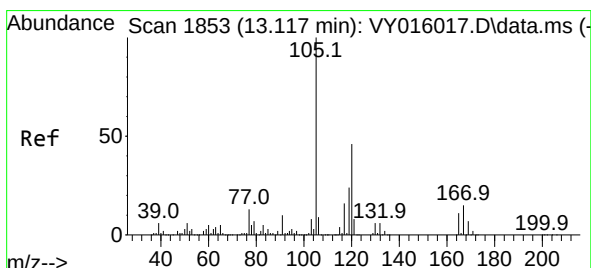
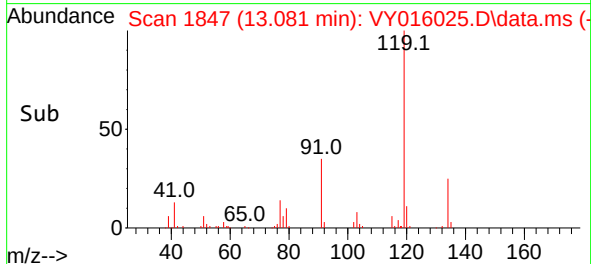
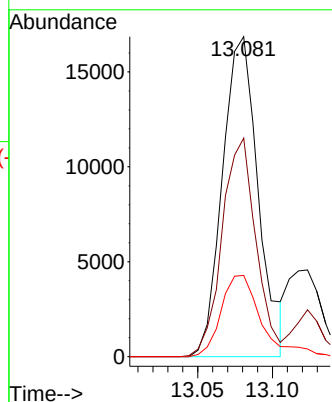
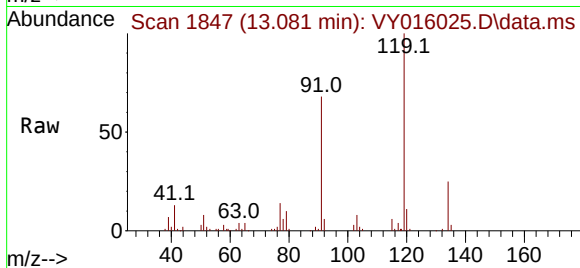
#83
tert-Butylbenzene
Concen: 3.527 ug/l
RT: 13.081 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

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

Tgt Ion:119 Resp: 2807
Ion Ratio Lower Upper
119 100
91 64.7 32.9 98.6
134 28.6 13.0 38.9

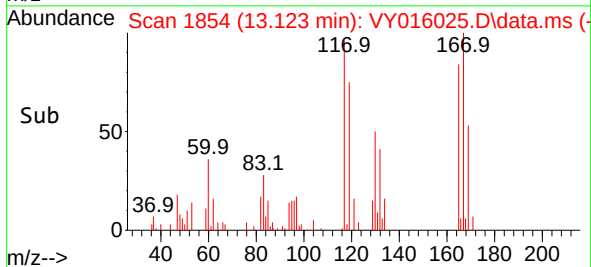
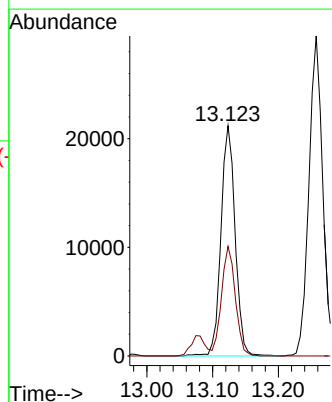
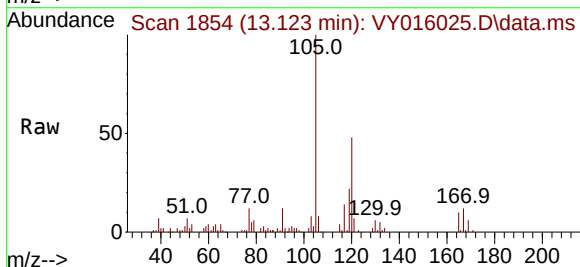
Manual Integrations
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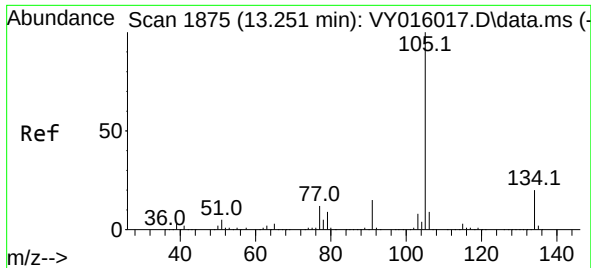
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#84
1,2,4-Trimethylbenzene
Concen: 3.530 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

Tgt Ion:105 Resp: 31818
Ion Ratio Lower Upper
105 100
120 46.3 22.2 66.6





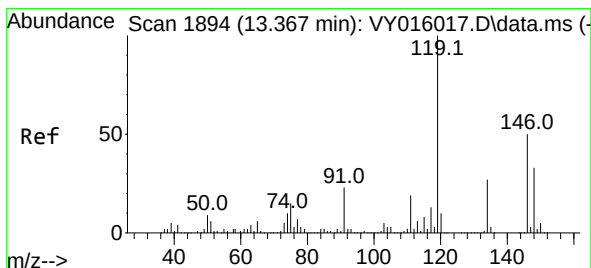
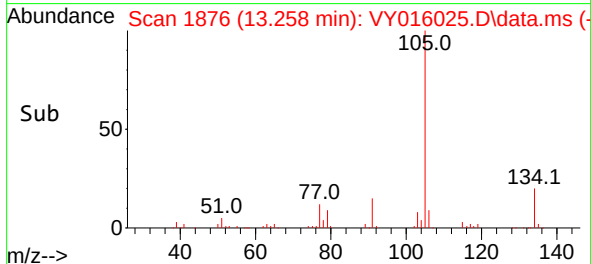
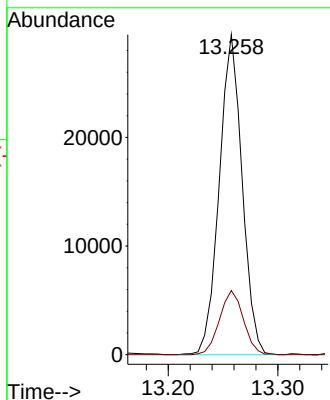
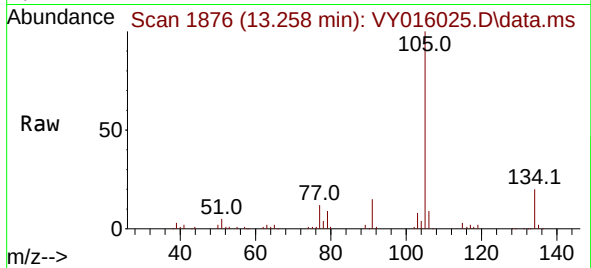
#85
 sec-Butylbenzene
 Concen: 3.588 ug/l
 RT: 13.258 min Scan# 1875
 Delta R.T. 0.006 min
 Lab File: VY016025.D
 Acq: 18 Oct 2023 17:17

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

Tgt Ion:105 Resp: 42650
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.2 30.6

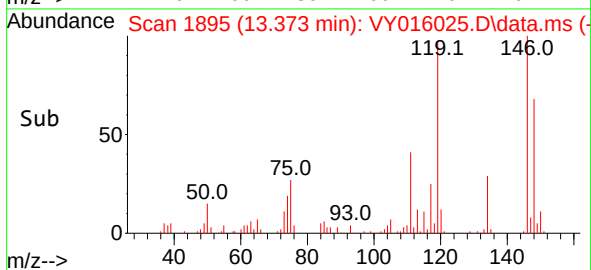
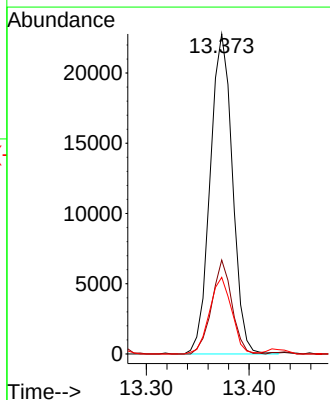
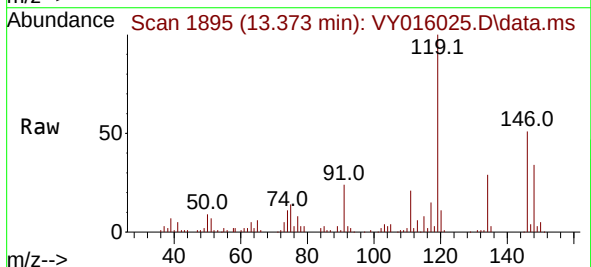
Manual Integrations
 APPROVED

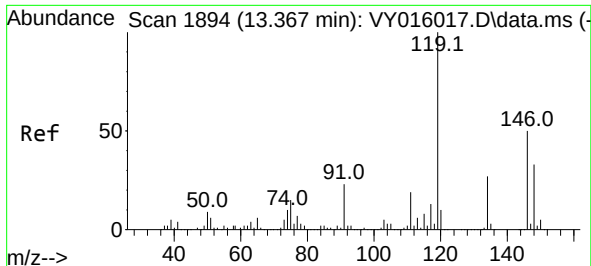
Reviewed By :John Carlone 10/19/2023
 Supervised By :Semsettin Yesilyurt 10/20/2023



#86
 p-Isopropyltoluene
 Concen: 3.456 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.006 min
 Lab File: VY016025.D
 Acq: 18 Oct 2023 17:17

Tgt Ion:119 Resp: 34332
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.8
 91 23.9 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 3.757 ug/l

RT: 13.373 min Scan# 1894

Delta R.T. 0.006 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

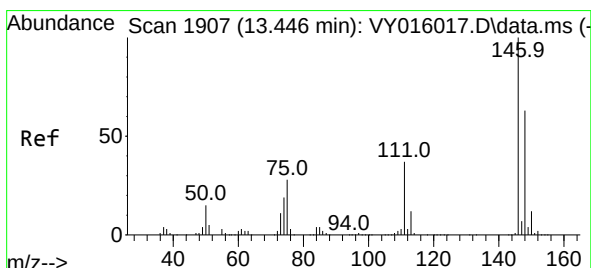
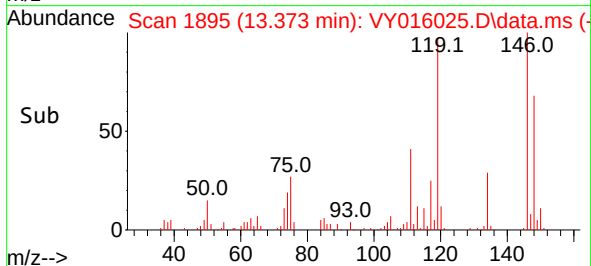
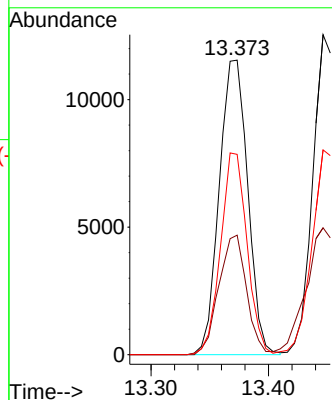
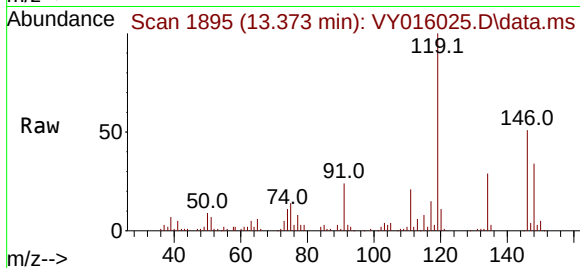
Tgt Ion:146	Resp:	1944
Ion Ratio	Lower	Upper
146	100	
111	39.6	19.4 58.2
148	63.8	31.9 95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#88

1,4-Dichlorobenzene

Concen: 3.868 ug/l

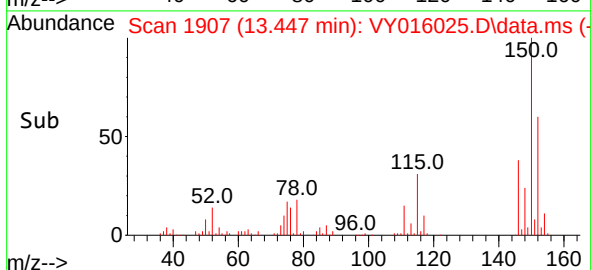
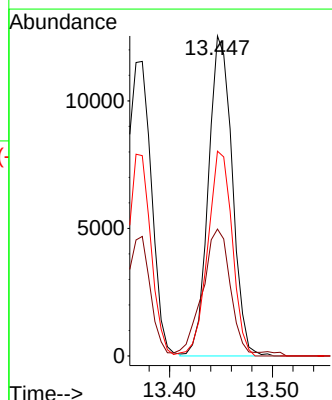
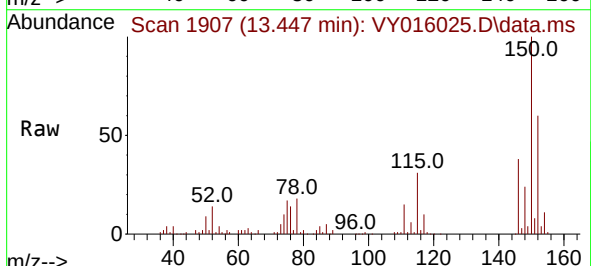
RT: 13.447 min Scan# 1907

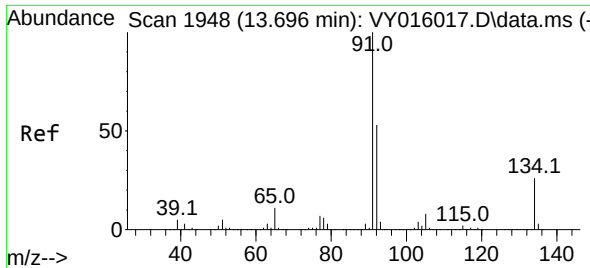
Delta R.T. 0.000 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

Tgt Ion:146	Resp:	20157
Ion Ratio	Lower	Upper
146	100	
111	44.5	18.9 56.7
148	66.0	32.1 96.5





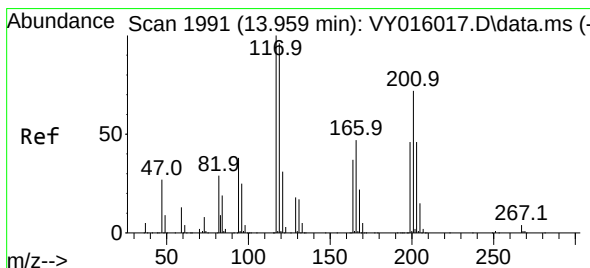
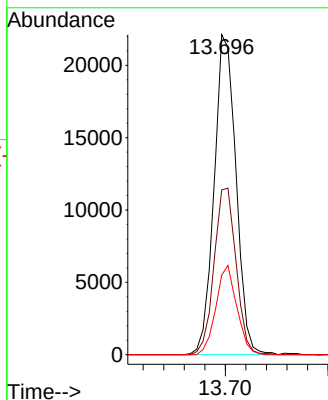
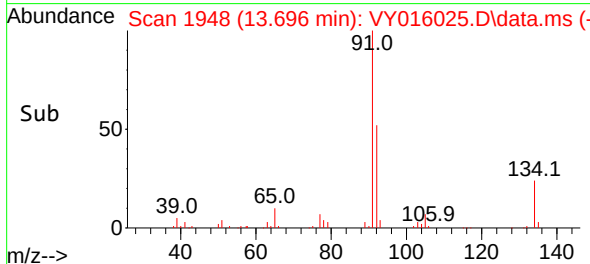
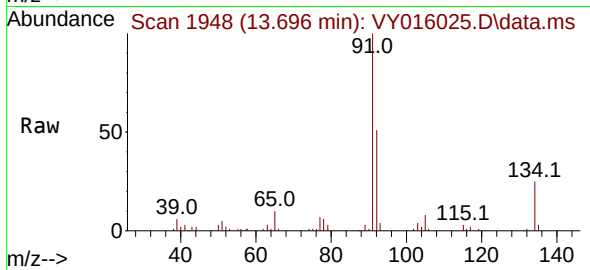
#89
n-Butylbenzene
Concen: 3.535 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

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

Tgt Ion: 91 Resp: 3269
Ion Ratio Lower Upper
91 100
92 52.4 25.4 76.0
134 26.5 12.6 37.6

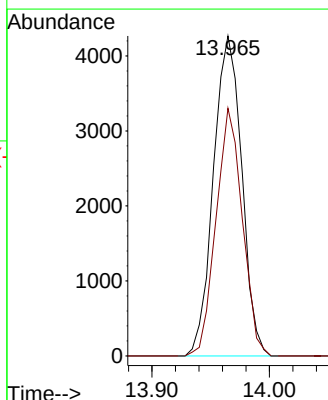
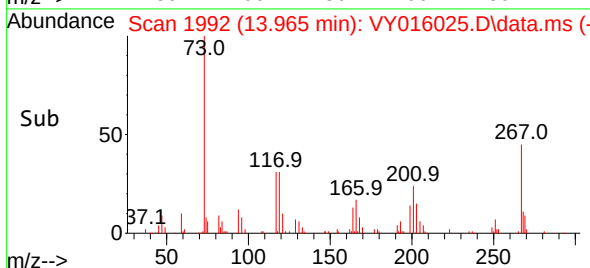
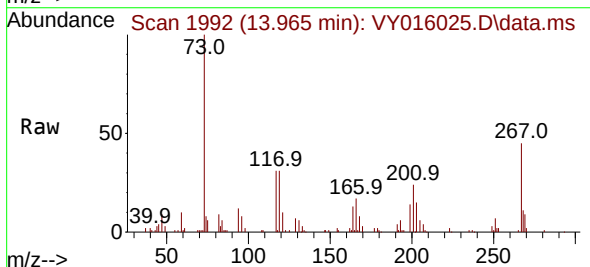
Manual Integrations
APPROVED

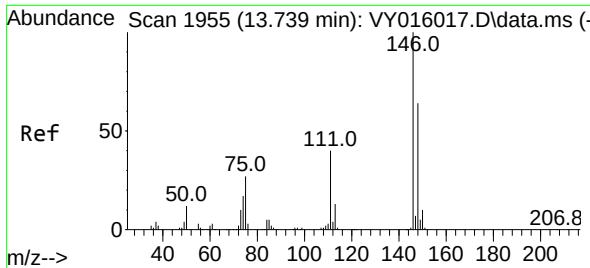
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#90
Hexachloroethane
Concen: 3.777 ug/l
RT: 13.965 min Scan# 1992
Delta R.T. 0.006 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

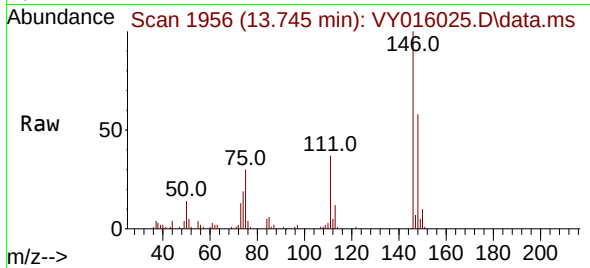
Tgt Ion:117 Resp: 7153
Ion Ratio Lower Upper
117 100
201 71.8 41.6 124.8





#91
1,2-Dichlorobenzene
Concen: 3.928 ug/l
RT: 13.745 min Scan# 1955
Delta R.T. 0.006 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17

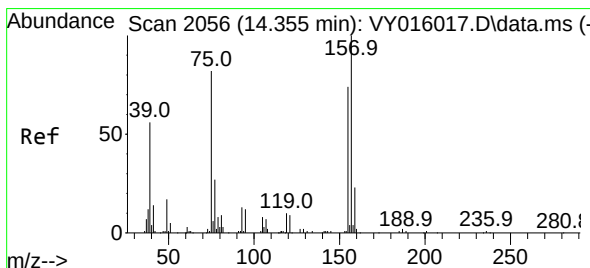
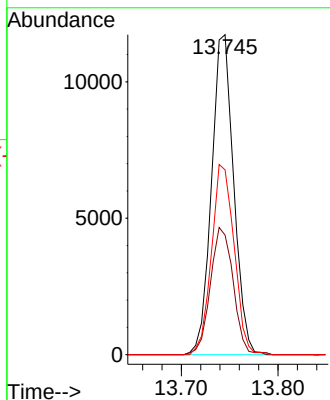
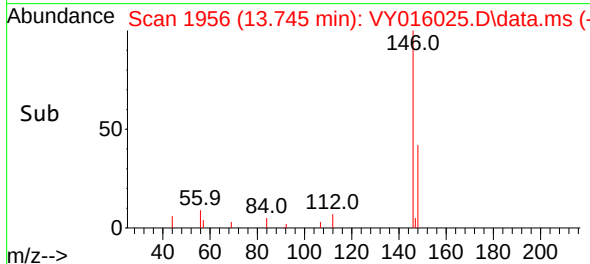
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



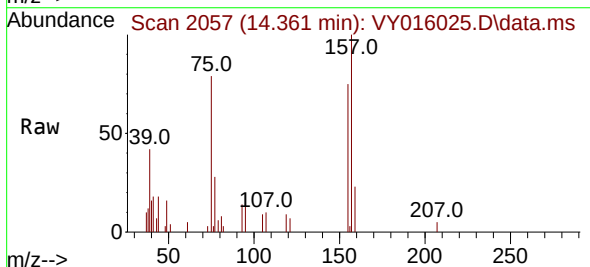
Tgt Ion:146 Resp: 1866
Ion Ratio Lower Upper
146 100
111 40.9 19.7 59.0
148 60.8 32.0 96.2

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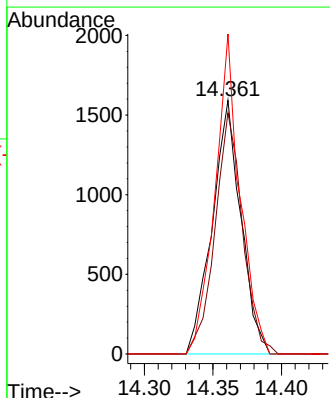
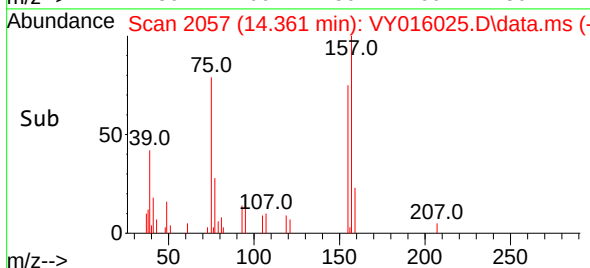
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023

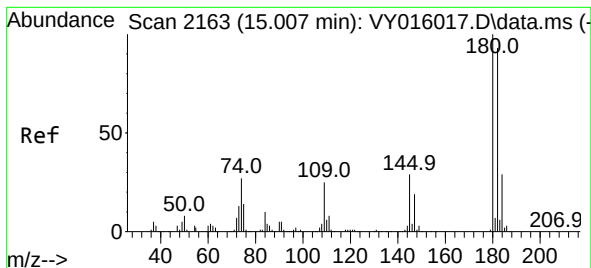


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.437 ug/l
RT: 14.361 min Scan# 2057
Delta R.T. 0.006 min
Lab File: VY016025.D
Acq: 18 Oct 2023 17:17



Tgt Ion: 75 Resp: 2318
Ion Ratio Lower Upper
75 100
155 91.0 41.5 124.6
157 110.5 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 3.710 ug/l

RT: 15.013 min Scan# 2163

Delta R.T. 0.006 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

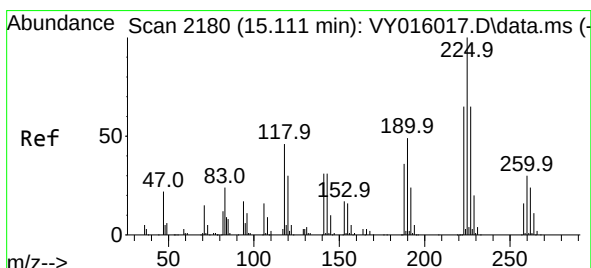
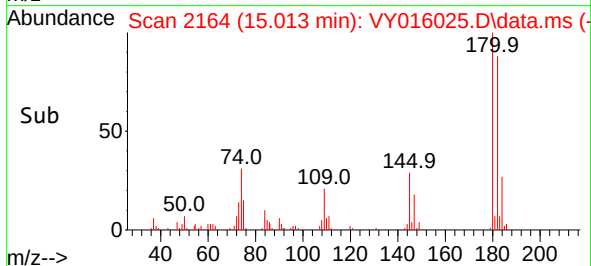
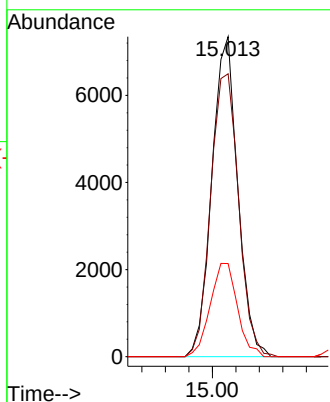
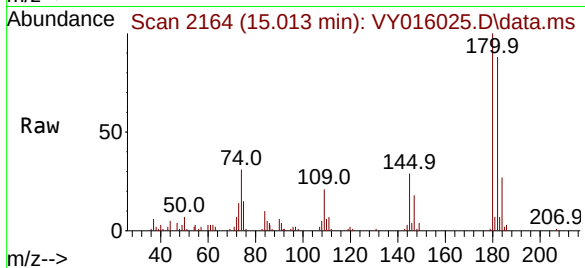
Tgt Ion:180	Resp:	11229
Ion Ratio	Lower	Upper
180	100	
182	95.4	47.0 141.2
145	30.7	14.5 43.5

Manual Integrations

APPROVED

Reviewed By :John Carbone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#94

Hexachlorobutadiene

Concen: 3.806 ug/l

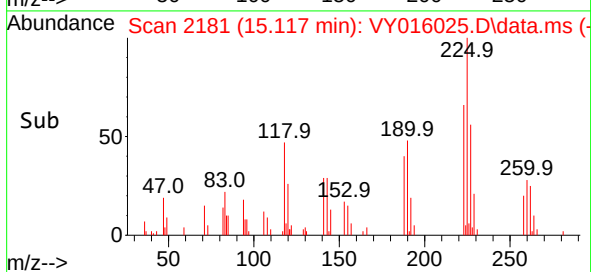
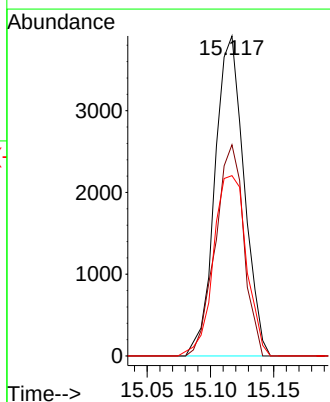
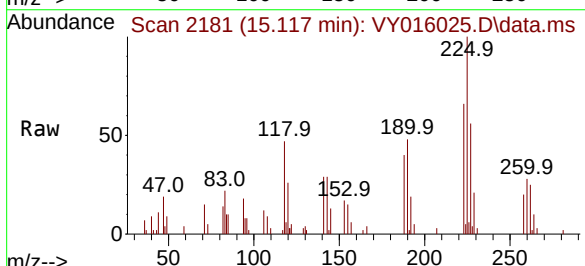
RT: 15.117 min Scan# 2181

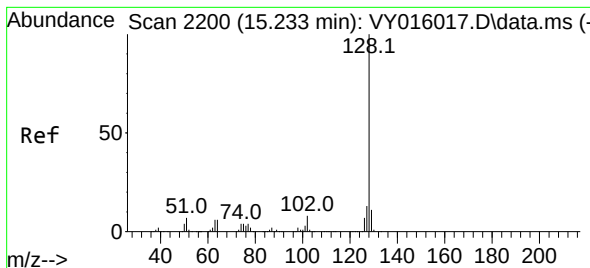
Delta R.T. 0.006 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

Tgt Ion:225	Resp:	6258
Ion Ratio	Lower	Upper
225	100	
223	64.5	31.9 95.9
227	63.7	33.0 98.9





#95

Naphthalene

Concen: 3.838 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

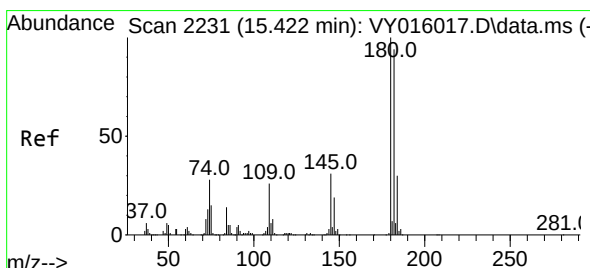
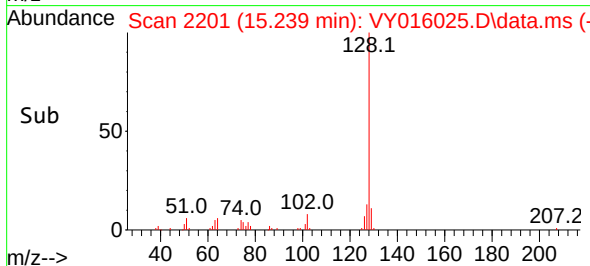
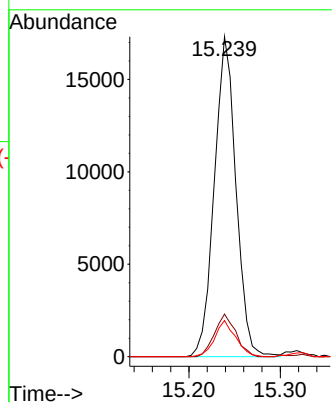
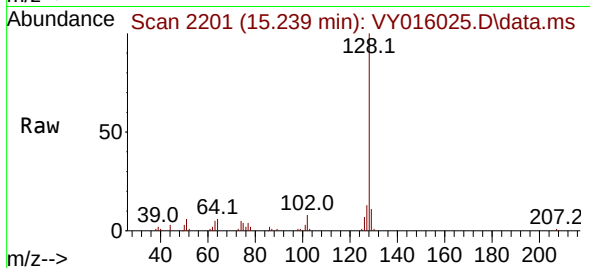
Tgt Ion:	128	Resp:	2851
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.8	16.2
129	10.9	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#96

1,2,3-Trichlorobenzene

Concen: 3.810 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY016025.D

Acq: 18 Oct 2023 17:17

Tgt Ion:	180	Resp:	10533
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.3	141.8
145	32.9	15.4	46.2

