

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091324\
 Data File : VY019536.D
 Acq On : 13 Sep 2024 12:55
 Operator : SY/MD
 Sample : P3390-03 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2024

Quant Time: Sep 13 23:16:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 23:16:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/16/2024
 Supervised By :Mahesh Dadoda 09/16/2024

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	435946	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	771089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	636833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	283469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	230011	56.979	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.960%			
35) Dibromofluoromethane	7.634	113	230427	52.706	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.420%			
50) Toluene-d8	10.109	98	850413	52.590	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.180%			
62) 4-Bromofluorobenzene	12.408	95	289985	46.638	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 93.280%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	6023	2.185	ug/l	96
3) Chloromethane	2.074	50	6933	1.922	ug/l	99
4) Vinyl Chloride	2.208	62	7948	2.038	ug/l	91
5) Bromomethane	2.598	94	7153	2.986	ug/l	99
6) Chloroethane	2.739	64	6105	2.394	ug/l	# 84
7) Trichlorofluoromethane	3.062	101	15635	2.405	ug/l	92
8) Diethyl Ether	3.458	74	4764	2.183	ug/l	59
9) 1,1,2-Trichlorotrifluo...	3.812	101	9887	2.458	ug/l	97
10) Methyl Iodide	4.007	142	9846	1.909	ug/l	96
11) Tert butyl alcohol	4.866	59	5152	15.804	ug/l	# 85
12) 1,1-Dichloroethene	3.787	96	7949	2.055	ug/l	92
13) Acrolein	3.647	56	5113	29.249	ug/l	97
14) Allyl chloride	4.379	41	15276	2.202	ug/l	# 90
15) Acrylonitrile	5.061	53	12287	13.058	ug/l	96
16) Acetone	3.873	43	10224	10.631	ug/l	# 76
17) Carbon Disulfide	4.104	76	10465	1.001	ug/l	98
18) Methyl Acetate	4.385	43	9355	3.585	ug/l	90
19) Methyl tert-butyl Ether	5.110	73	28947	2.642	ug/l	96
20) Methylene Chloride	4.622	84	21438	4.888	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	8859	2.090	ug/l	82
22) Diisopropyl ether	6.018	45	36295	2.548	ug/l	# 86
23) Vinyl Acetate	5.958	43	117507	14.443	ug/l	94
24) 1,1-Dichloroethane	5.915	63	19097	2.389	ug/l	95
25) 2-Butanone	6.896	43	15984	11.686	ug/l	# 80
26) 2,2-Dichloropropane	6.884	77	18989	2.634	ug/l	# 74
27) cis-1,2-Dichloroethene	6.884	96	12965	2.518	ug/l	91
28) Bromochloromethane	7.244	49	9476	2.818	ug/l	85
29) Tetrahydrofuran	7.262	42	10636	12.789	ug/l	# 82
30) Chloroform	7.408	83	23196	2.843	ug/l	97
31) Cyclohexane	7.701	56	20724	2.869	ug/l	# 57
32) 1,1,1-Trichloroethane	7.616	97	18945	2.590	ug/l	95
36) 1,1-Dichloropropene	7.835	75	12702	2.135	ug/l	96
37) Ethyl Acetate	6.970	43	7246	2.377	ug/l	# 73
38) Carbon Tetrachloride	7.817	117	15761	2.349	ug/l	97
39) Methylcyclohexane	9.103	83	12530	1.583	ug/l	89
40) Benzene	8.079	78	40803	2.227	ug/l	95

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 Quant Title : SW846 8260
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Manual Integrations
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	4103	2.309	ug/l	92
42) 1,2-Dichloroethane	8.158	62	12501	2.535	ug/l	98
43) Isopropyl Acetate	8.195	43	15776	2.464	ug/l	91
44) Trichloroethene	8.859	130	10524	2.233	ug/l	99
45) 1,2-Dichloropropane	9.140	63	11639	2.598	ug/l	94
46) Dibromomethane	9.225	93	6239	2.547	ug/l	91
47) Bromodichloromethane	9.420	83	16493	2.505	ug/l	99
48) Methyl methacrylate	9.219	41	6659	2.202	ug/l #	83
49) 1,4-Dioxane	9.237	88	1634	56.662	ug/l #	68
51) 4-Methyl-2-Pentanone	9.999	43	39580	12.285	ug/l	89
52) Toluene	10.170	92	26286	2.231	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	15076	2.402	ug/l	92
54) cis-1,3-Dichloropropene	9.859	75	17039	2.331	ug/l #	83
55) 1,1,2-Trichloroethane	10.573	97	8810	2.604	ug/l	90
56) Ethyl methacrylate	10.445	69	11795	2.295	ug/l #	75
57) 1,3-Dichloropropane	10.719	76	14846	2.553	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	28755	12.056	ug/l	95
59) 2-Hexanone	10.762	43	27104	11.475	ug/l	86
60) Dibromochloromethane	10.914	129	11346	2.535	ug/l	99
61) 1,2-Dibromoethane	11.012	107	7468	2.369	ug/l	99
64) Tetrachloroethene	10.646	164	9077	2.302	ug/l	90
65) Chlorobenzene	11.444	112	31727	2.533	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	11643	2.684	ug/l	99
67) Ethyl Benzene	11.518	91	55003	2.471	ug/l	98
68) m/p-Xylenes	11.633	106	41210	4.896	ug/l	93
69) o-Xylene	11.956	106	20478	2.488	ug/l	95
70) Styrene	11.969	104	32601	2.346	ug/l	94
71) Bromoform	12.133	173	6918	2.793	ug/l #	99
73) Isopropylbenzene	12.255	105	55057	2.677	ug/l	96
74) N-amyl acetate	12.072	43	14608	2.612	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	10102	2.768	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	6180m	2.326	ug/l	
77) Bromobenzene	12.530	156	12105	2.654	ug/l	88
78) n-propylbenzene	12.597	91	64367	2.641	ug/l	98
79) 2-Chlorotoluene	12.682	91	38872	2.736	ug/l	96
80) 1,3,5-Trimethylbenzene	12.737	105	43588	2.607	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.304	75	3295m	2.381	ug/l	
82) 4-Chlorotoluene	12.779	91	41094	2.814	ug/l	94
83) tert-Butylbenzene	12.999	119	41199	2.722	ug/l	95
84) 1,2,4-Trimethylbenzene	13.042	105	42887	2.592	ug/l	100
85) sec-Butylbenzene	13.176	105	58279	2.651	ug/l	99
86) p-Isopropyltoluene	13.292	119	46544	2.587	ug/l	96
87) 1,3-Dichlorobenzene	13.285	146	24300	2.742	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	24498m	2.785	ug/l	
89) n-Butylbenzene	13.615	91	43902	2.553	ug/l	99
90) Hexachloroethane	13.877	117	10610	2.835	ug/l	87
91) 1,2-Dichlorobenzene	13.657	146	21939	2.774	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.273	75	1669	2.744	ug/l	84
93) 1,2,4-Trichlorobenzene	14.919	180	11908	2.476	ug/l	94
94) Hexachlorobutadiene	15.023	225	6603	2.570	ug/l	94
95) Naphthalene	15.145	128	23612	2.451	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	10201	2.479	ug/l	96

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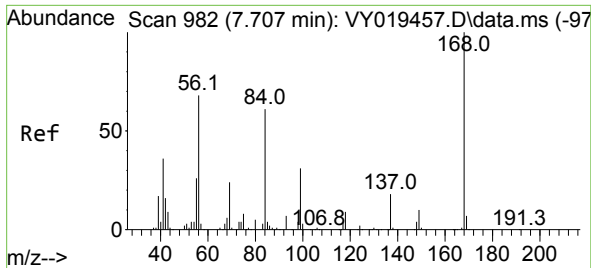
Quant Time: Sep 13 23:16:43 2024
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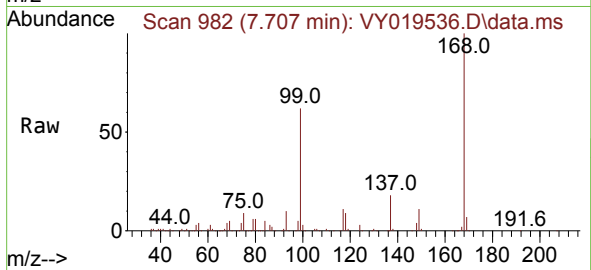
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY019536.D
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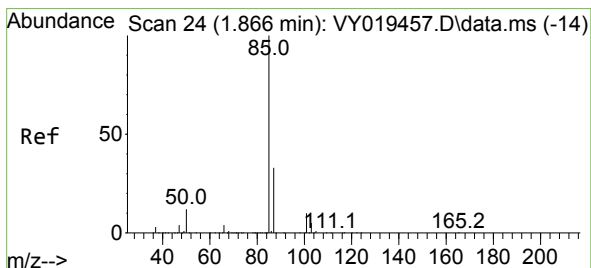
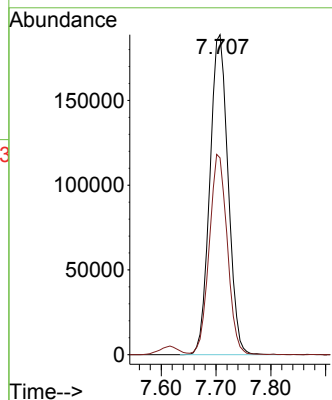
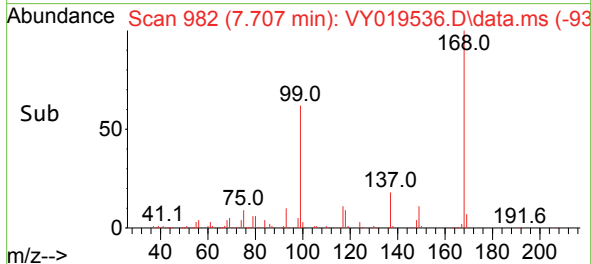
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:168 Resp: 435940
Ion Ratio Lower Upper
168 100
99 61.5 39.1 58.7

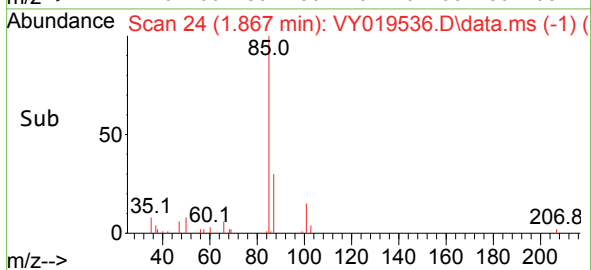
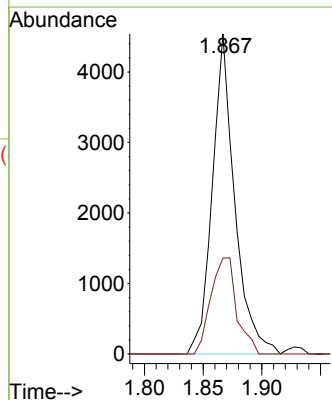
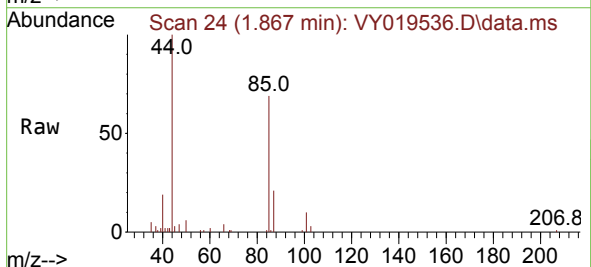
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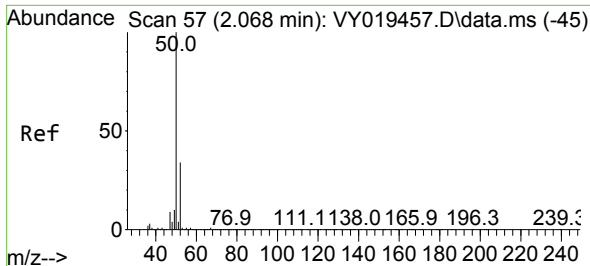
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#2
Dichlorodifluoromethane
Concen: 2.185 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

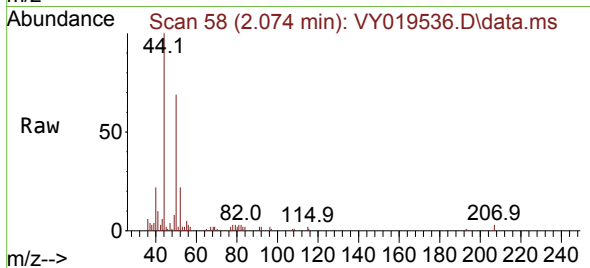
Tgt Ion: 85 Resp: 6023
Ion Ratio Lower Upper
85 100
87 29.9 16.0 48.0





#3
Chloromethane
Concen: 1.922 ug/l
RT: 2.074 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

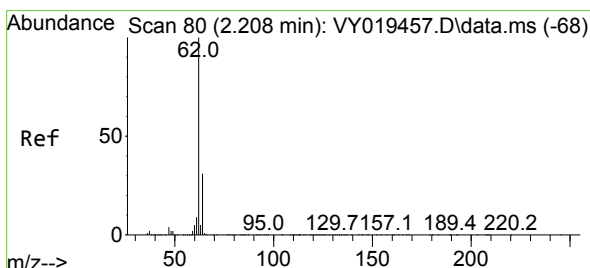
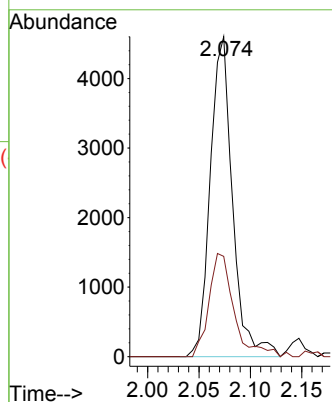
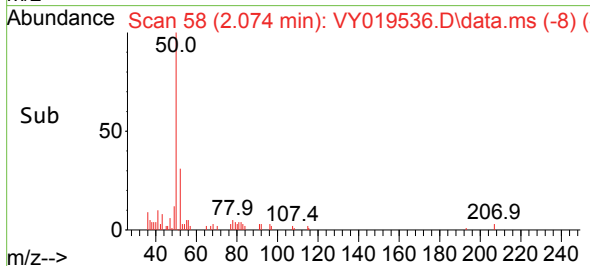
Instrument :
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Tgt Ion: 50 Resp: 693
Ion Ratio Lower Upper
50 100
52 31.4 25.6 38.4

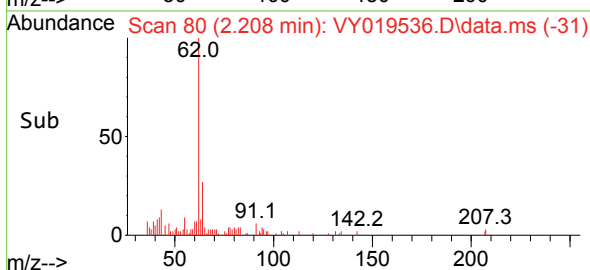
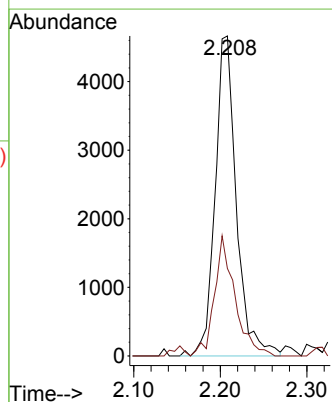
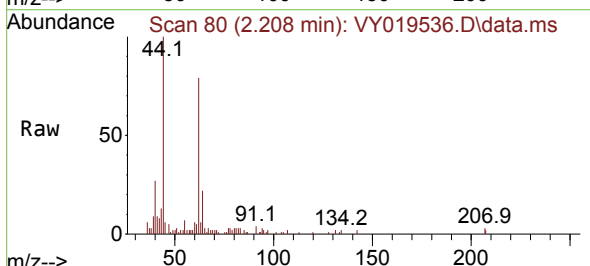
Manual Integrations
APPROVED

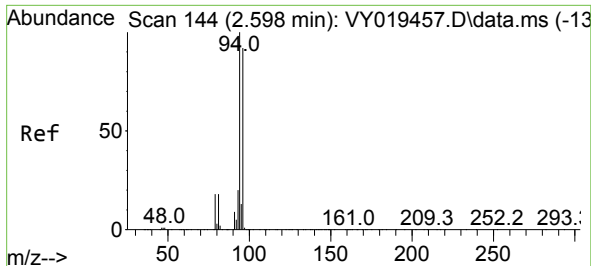
Reviewed By :Semsettin Yesilyurt 09/16/2024
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#4
Vinyl Chloride
Concen: 2.038 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

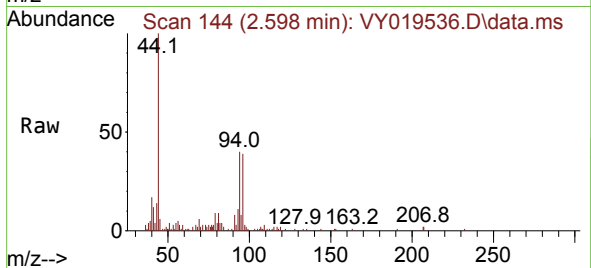
Tgt Ion: 62 Resp: 7948
Ion Ratio Lower Upper
62 100
64 27.3 26.1 39.1





#5
Bromomethane
Concen: 2.986 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

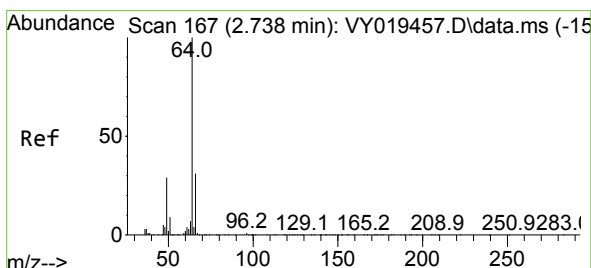
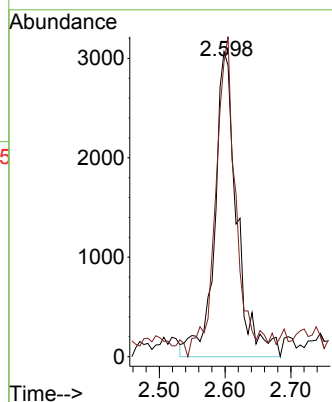
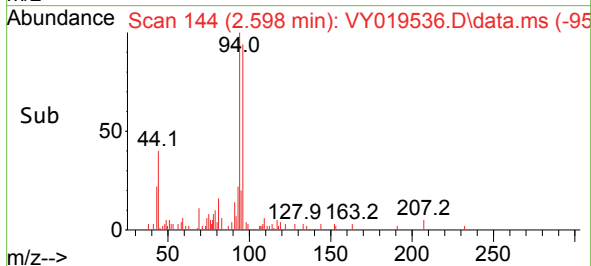
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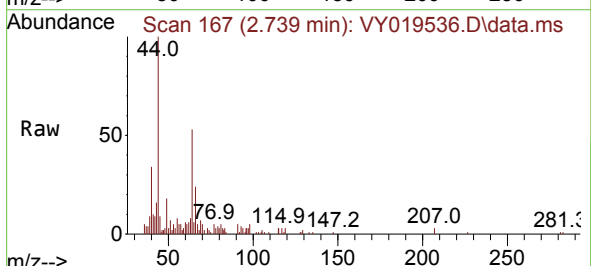
Tgt Ion: 94 Resp: 715
Ion Ratio Lower Upper
94 100
96 91.3 74.1 111.1

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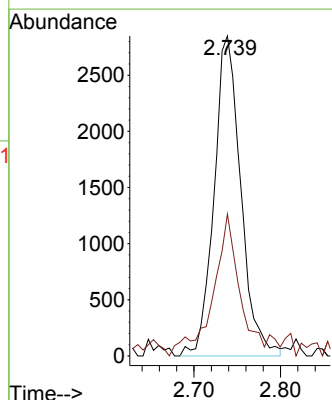
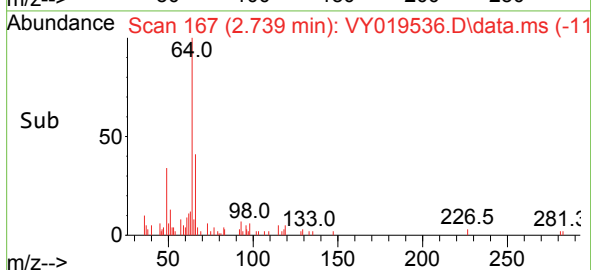
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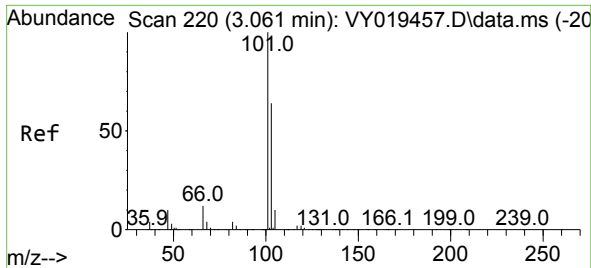


#6
Chloroethane
Concen: 2.394 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
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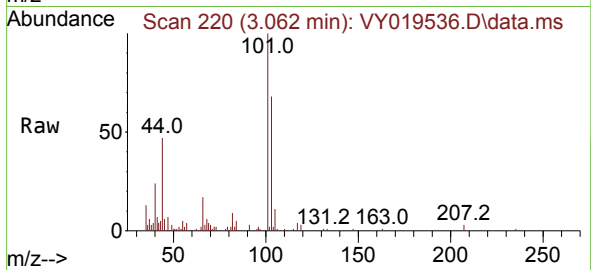
Tgt Ion: 64 Resp: 6105
Ion Ratio Lower Upper
64 100
66 41.6 26.1 39.1





#7
Trichlorofluoromethane
Concen: 2.405 ug/l
RT: 3.062 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY019536.D
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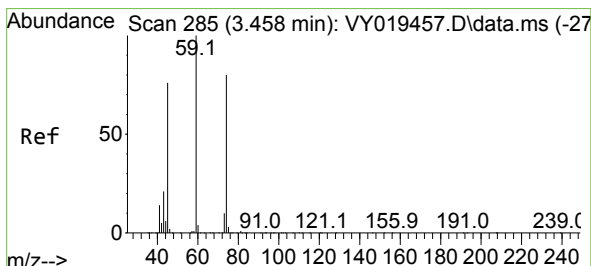
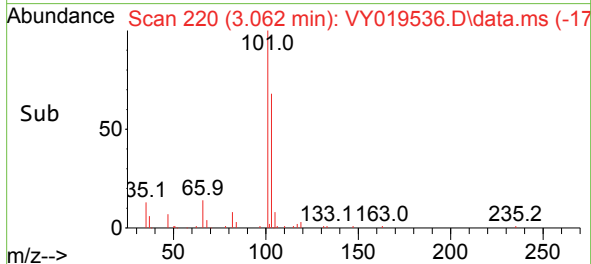
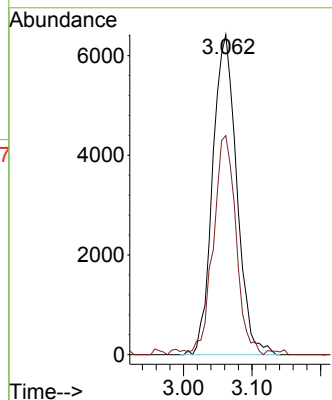
Instrument :
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ClientSampleId :
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Tgt Ion:101 Resp: 1563
Ion Ratio Lower Upper
101 100
103 67.6 49.3 73.9

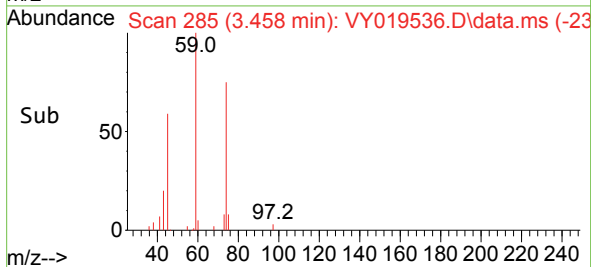
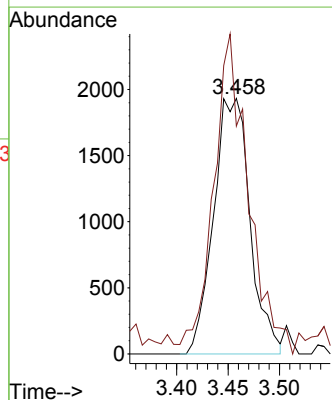
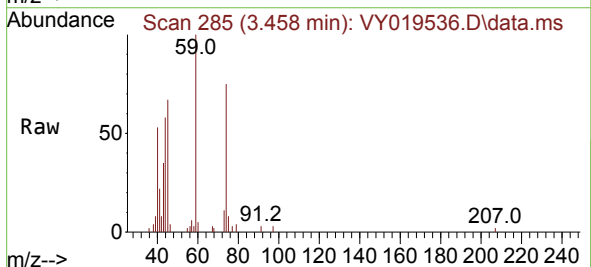
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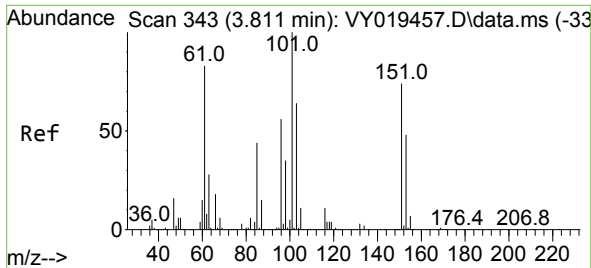
Reviewed By :Semsettin Yesilyurt 09/16/2024
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#8
Diethyl Ether
Concen: 2.183 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY019536.D
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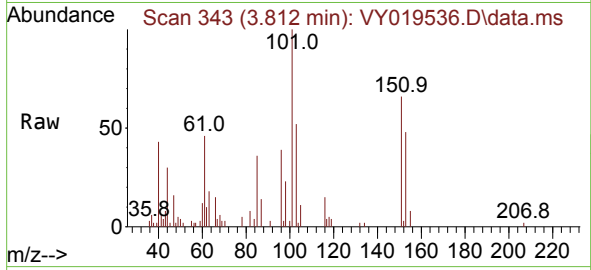
Tgt Ion: 74 Resp: 4764
Ion Ratio Lower Upper
74 100
45 119.2 41.3 124.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.458 ug/l
RT: 3.812 min Scan# 343
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

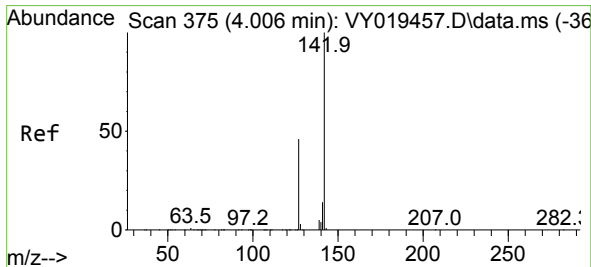
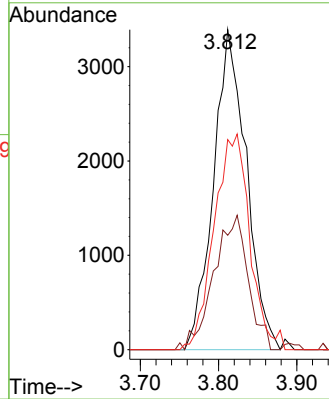
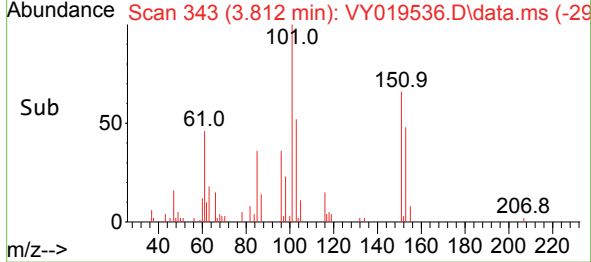
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024



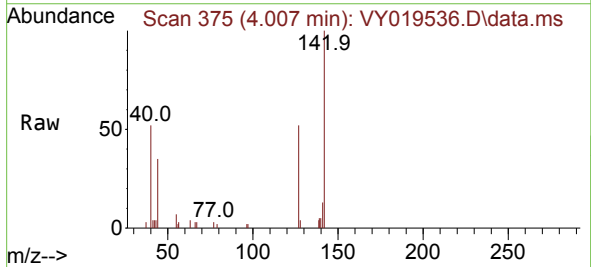
Tgt Ion:	101	Resp:	988
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.5	51.7
151	73.1	61.7	92.5

Manual Integrations
APPROVED

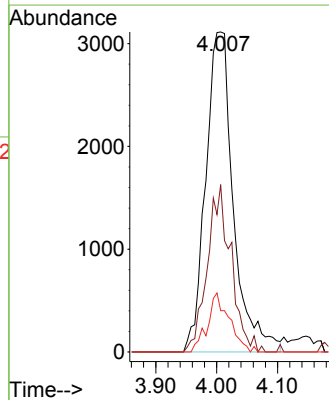
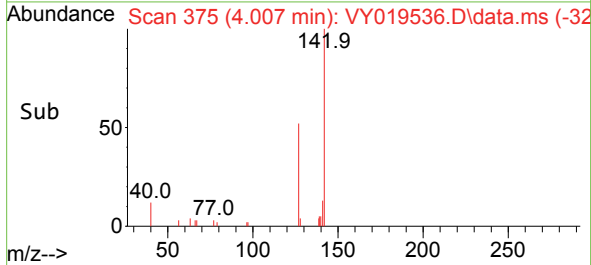
Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024

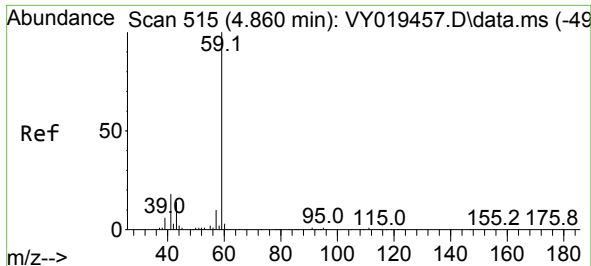


#10
Methyl Iodide
Concen: 1.909 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55



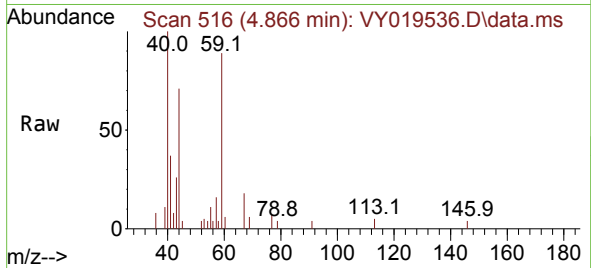
Tgt Ion:	142	Resp:	9846
Ion Ratio	Lower	Upper	
142	100		
127	44.6	32.8	49.2
141	14.5	11.4	17.2





#11
Tert butyl alcohol
Concen: 15.804 ug/l
RT: 4.866 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

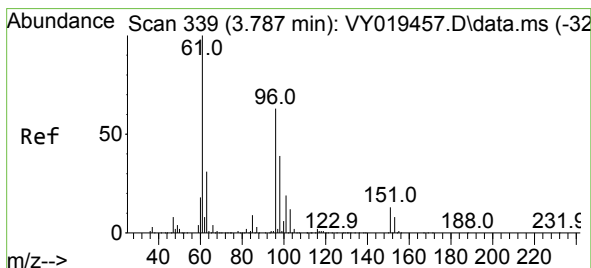
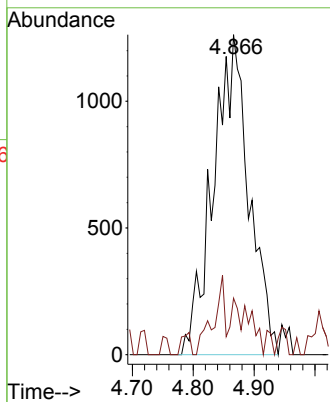
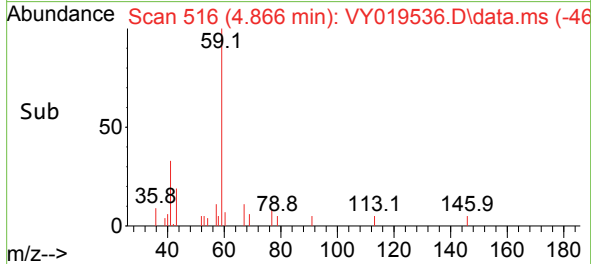
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024



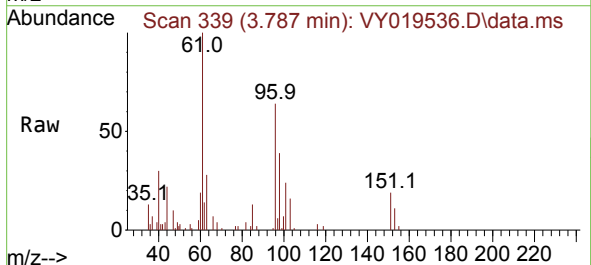
Tgt Ion: 59 Resp: 5152
Ion Ratio Lower Upper
59 100
57 8.6 3.0 4.6

Manual Integrations
APPROVED

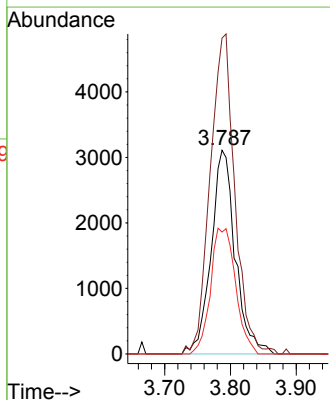
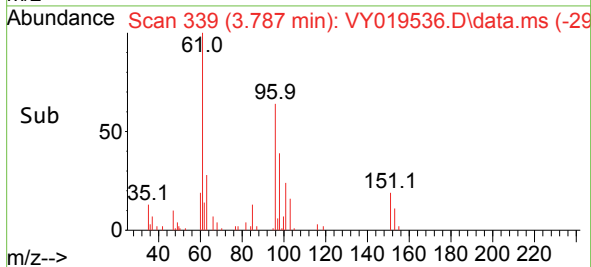
Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024

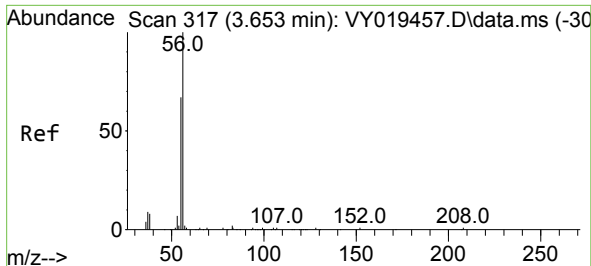


#12
1,1-Dichloroethene
Concen: 2.055 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55



Tgt Ion: 96 Resp: 7949
Ion Ratio Lower Upper
96 100
61 155.1 114.6 171.8
98 59.9 50.8 76.2





#13

Acrolein

Concen: 29.249 ug/l

RT: 3.647 min Scan# 317

Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

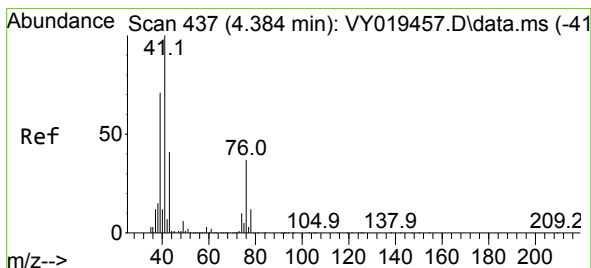
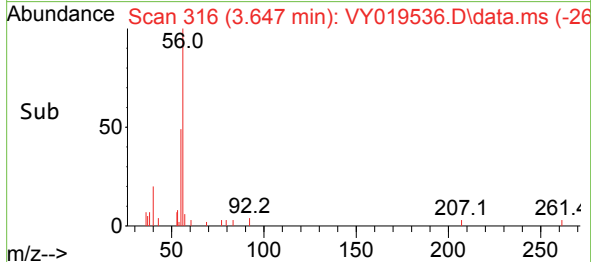
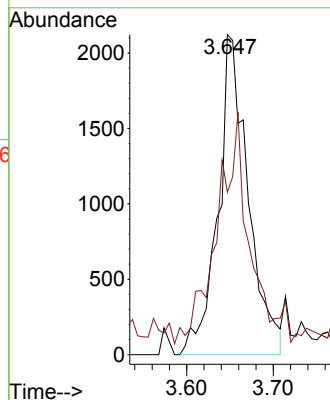
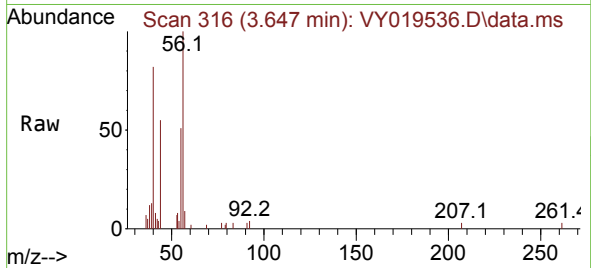
Tgt Ion: 56 Resp: 511

Ion	Ratio	Lower	Upper
56	100		
55	67.0	55.7	83.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#14

Allyl chloride

Concen: 2.202 ug/l

RT: 4.379 min Scan# 436

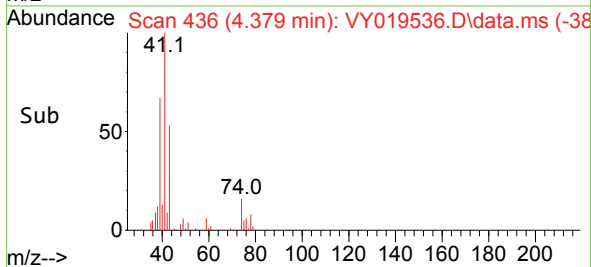
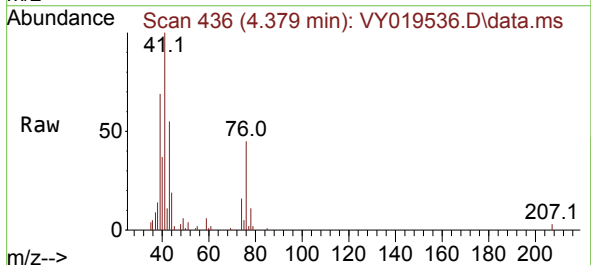
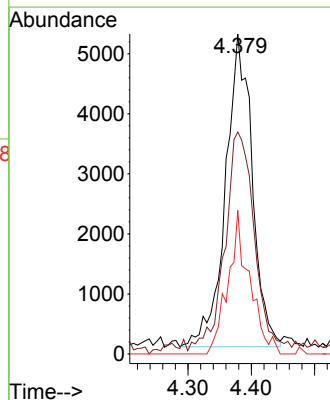
Delta R.T. -0.006 min

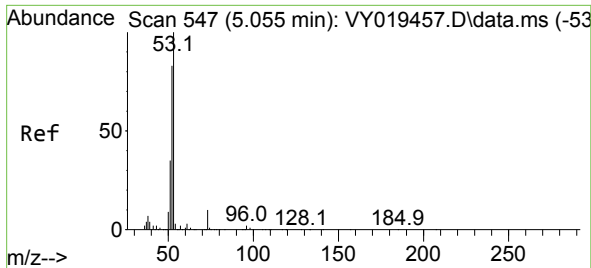
Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Tgt Ion: 41 Resp: 15276

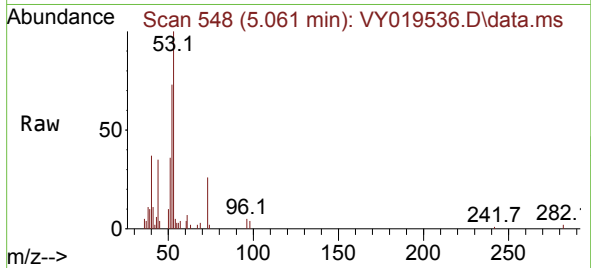
Ion	Ratio	Lower	Upper
41	100		
39	77.8	58.3	87.5
76	37.0	39.0	58.6





#15
Acrylonitrile
Concen: 13.058 ug/l
RT: 5.061 min Scan# 547
Delta R.T. 0.006 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

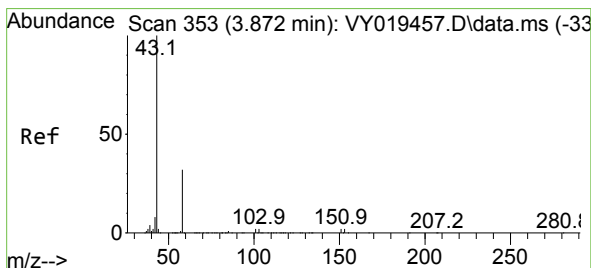
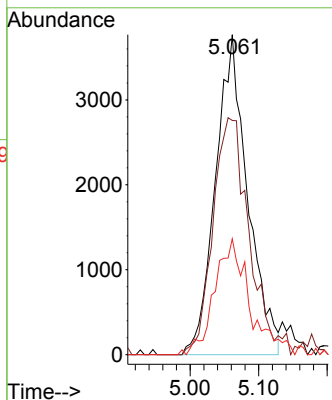
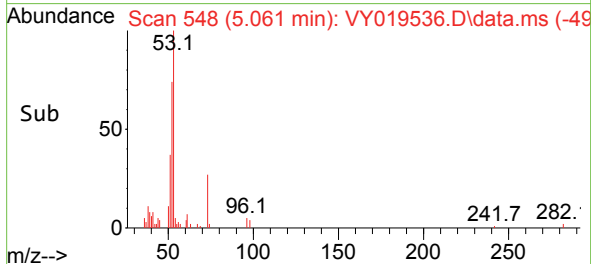
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024



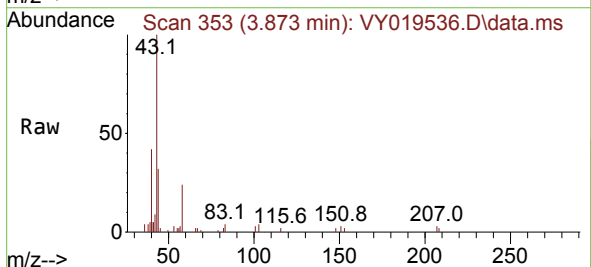
Tgt Ion: 53 Resp: 1228
Ion Ratio Lower Upper
53 100
52 83.8 64.7 97.1
51 39.3 28.4 42.6

Manual Integrations
APPROVED

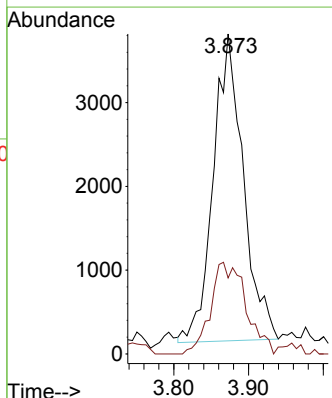
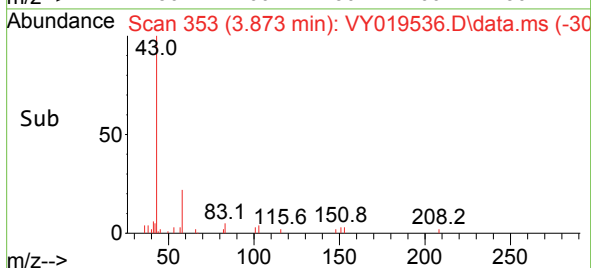
Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024

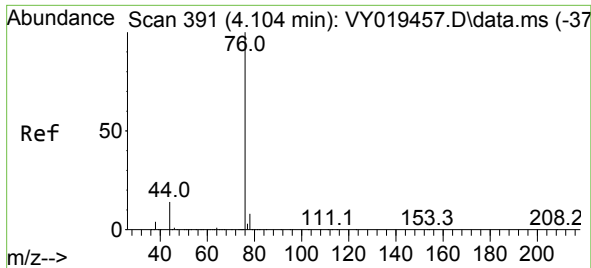


#16
Acetone
Concen: 10.631 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55



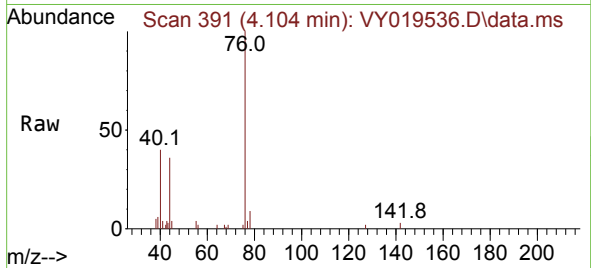
Tgt Ion: 43 Resp: 10224
Ion Ratio Lower Upper
43 100
58 24.9 31.7 47.5#





#17
Carbon Disulfide
Concen: 1.001 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

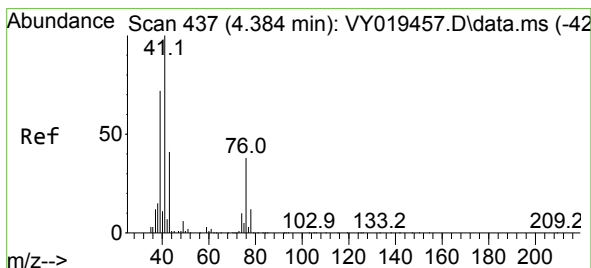
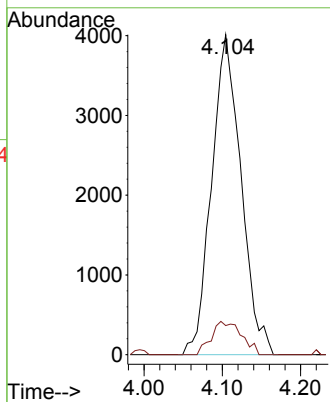
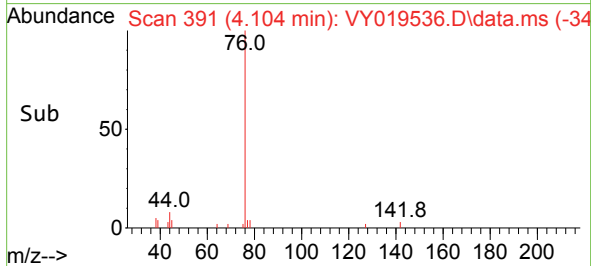
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion: 76 Resp: 1046
Ion Ratio Lower Upper
76 100
78 9.1 6.8 10.2

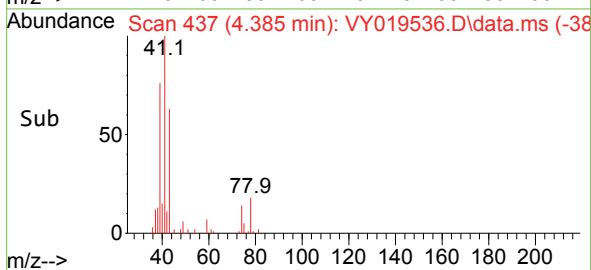
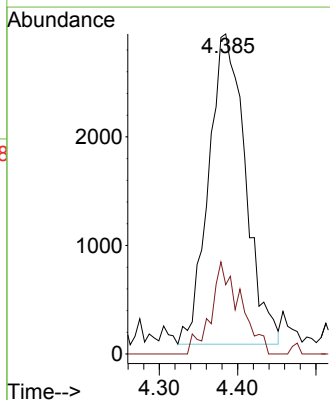
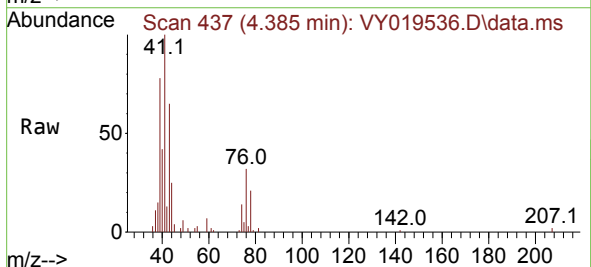
Manual Integrations
APPROVED

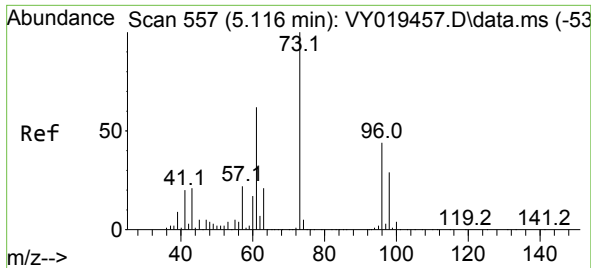
Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#18
Methyl Acetate
Concen: 3.585 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

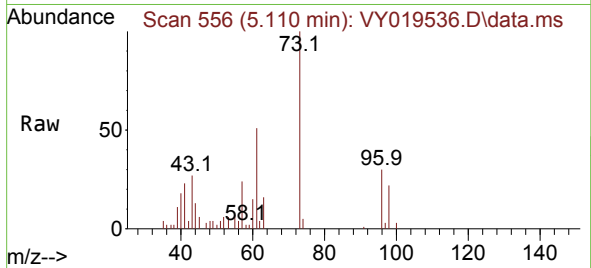
Tgt Ion: 43 Resp: 9355
Ion Ratio Lower Upper
43 100
74 23.8 23.3 34.9





#19
Methyl tert-butyl Ether
Concen: 2.642 ug/l
RT: 5.110 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

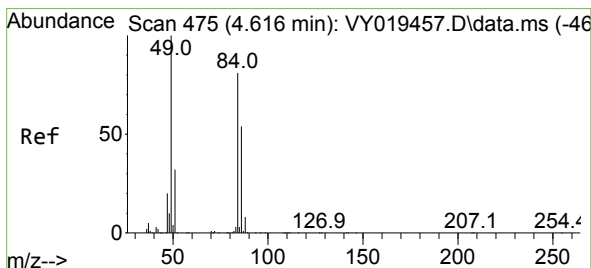
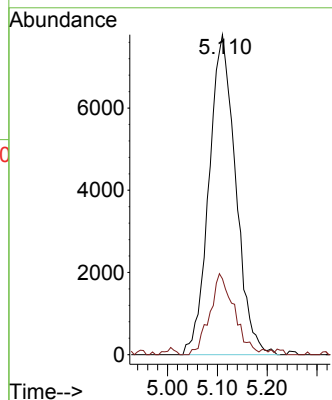
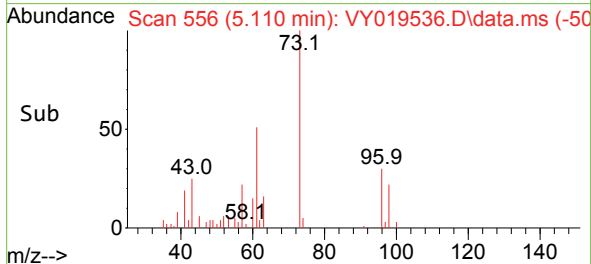
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion: 73 Resp: 2894
Ion Ratio Lower Upper
73 100
57 23.7 17.3 25.9

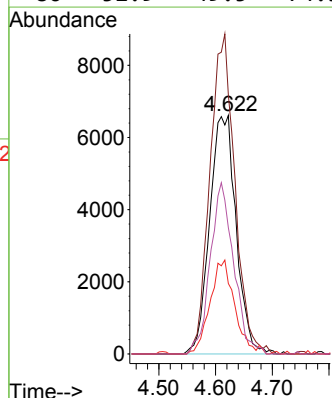
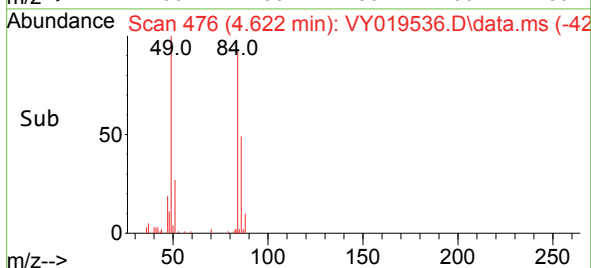
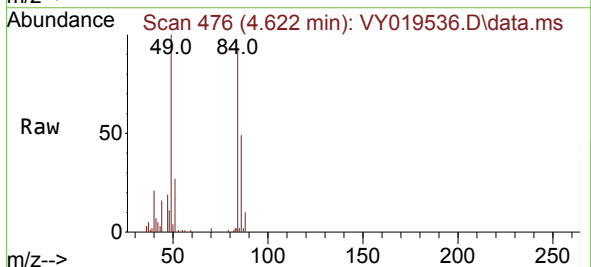
Manual Integrations
APPROVED

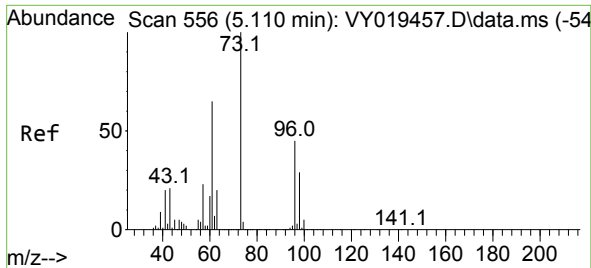
Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#20
Methylene Chloride
Concen: 4.888 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

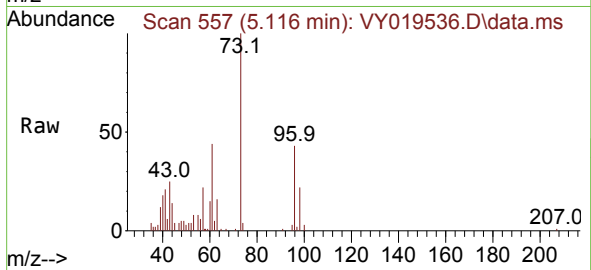
Tgt Ion: 84 Resp: 21438
Ion Ratio Lower Upper
84 100
49 108.5 84.4 126.6
51 29.5 26.0 39.0
86 52.9 49.5 74.3





#21
trans-1,2-Dichloroethene
Concen: 2.090 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

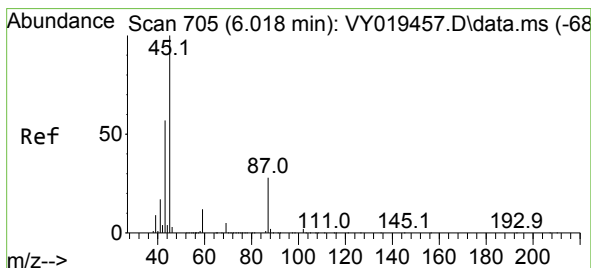
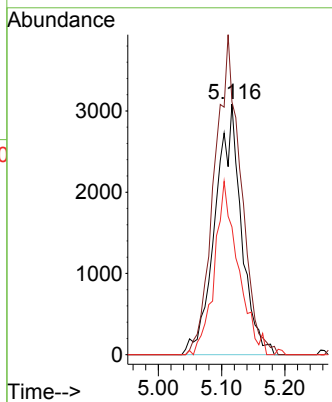
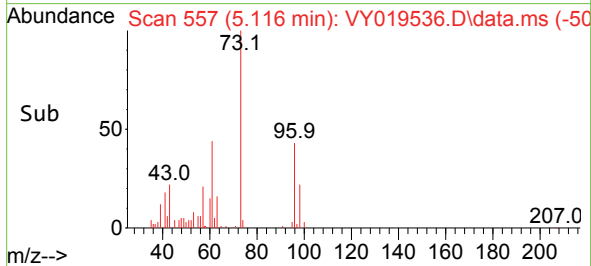
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion: 96 Resp: 885
Ion Ratio Lower Upper
96 100
61 100.8 97.5 146.3
98 50.9 50.5 75.7

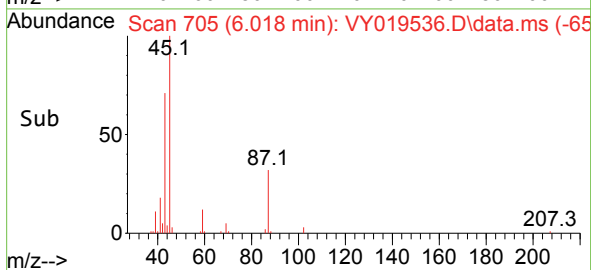
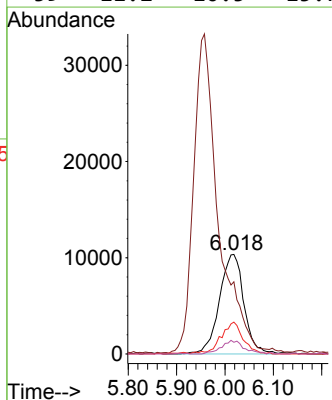
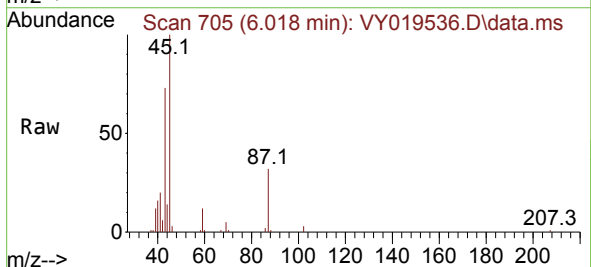
Manual Integrations
APPROVED

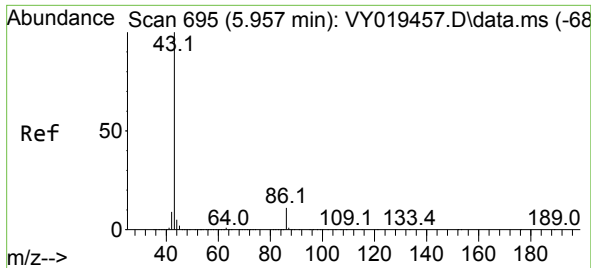
Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#22
Diisopropyl ether
Concen: 2.548 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

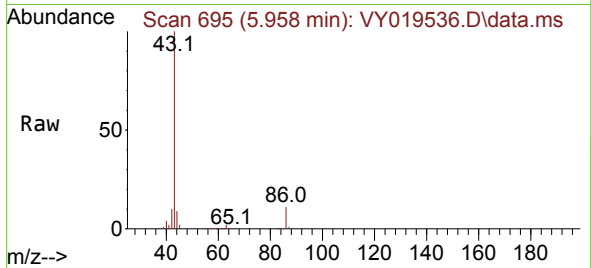
Tgt Ion: 45 Resp: 36295
Ion Ratio Lower Upper
45 100
43 69.5 42.2 63.2#
87 31.9 25.0 37.6
59 11.2 10.5 15.7





#23
 Vinyl Acetate
 Concen: 14.443 ug/l
 RT: 5.958 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: VY019536.D
 Acq: 13 Sep 2024 12:55

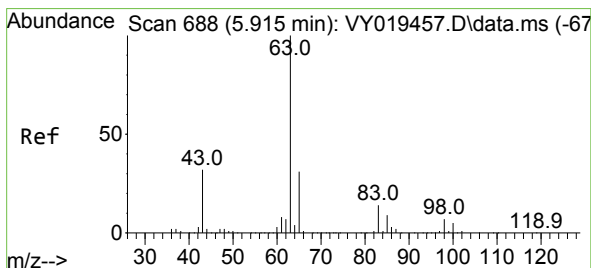
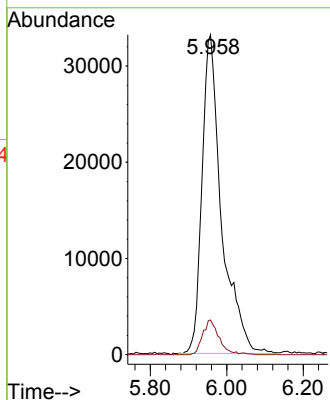
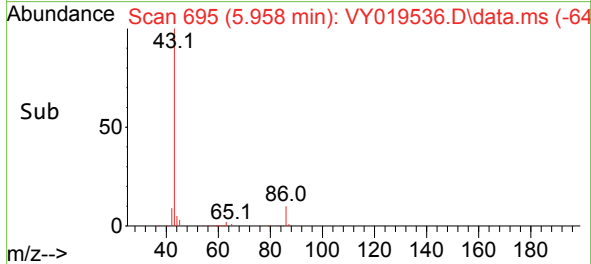
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2024



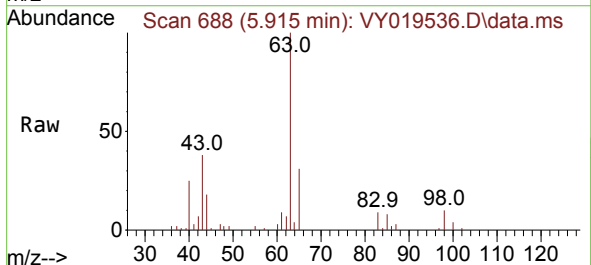
Tgt Ion: 43 Resp: 11750
 Ion Ratio Lower Upper
 43 100
 86 10.9 10.6 16.0

Manual Integrations
 APPROVED

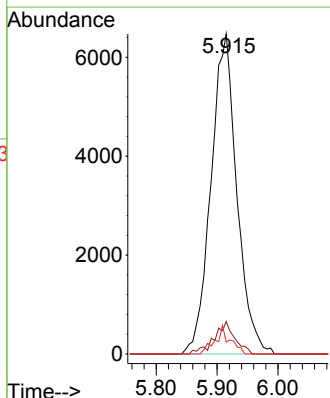
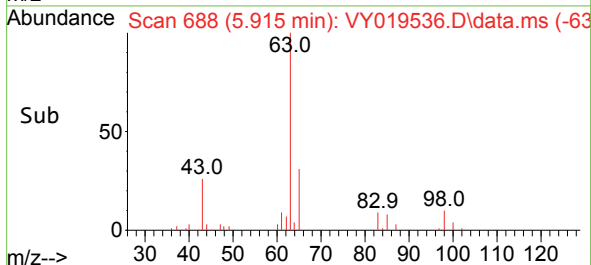
Reviewed By :Semsettin Yesilyurt 09/16/2024
 Supervised By :Mahesh Dadoda 09/16/2024

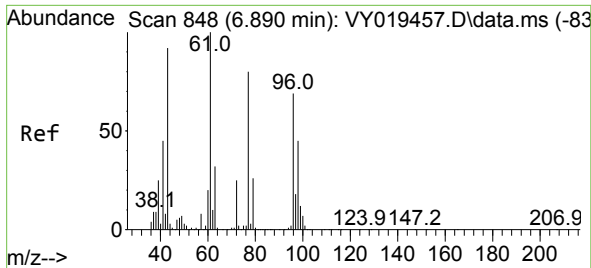


#24
 1,1-Dichloroethane
 Concen: 2.389 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.000 min
 Lab File: VY019536.D
 Acq: 13 Sep 2024 12:55



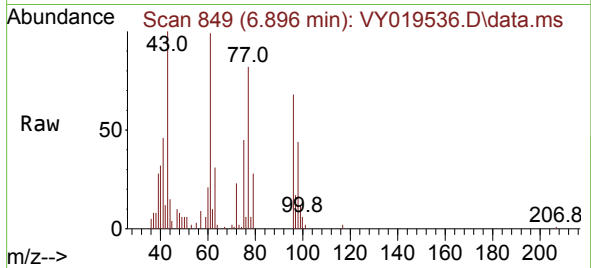
Tgt Ion: 63 Resp: 19097
 Ion Ratio Lower Upper
 63 100
 98 10.1 4.0 12.2
 100 3.7 2.6 8.0





#25
2-Butanone
Concen: 11.686 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

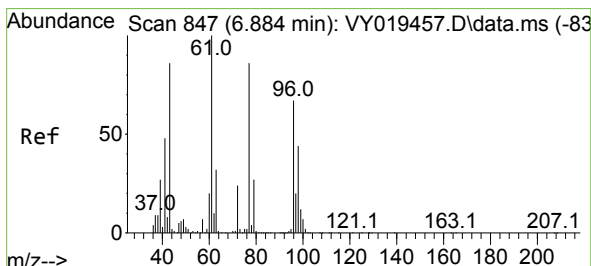
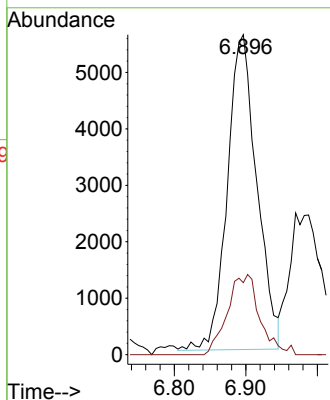
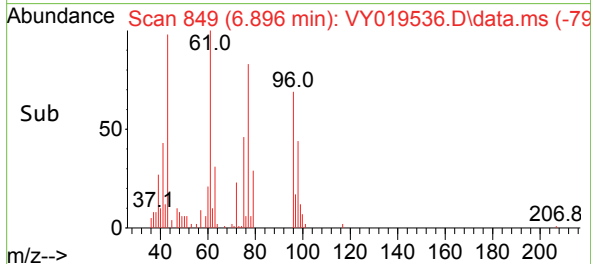
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024



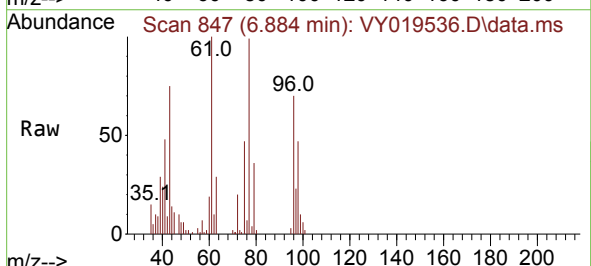
Tgt Ion: 43 Resp: 15984
Ion Ratio Lower Upper
43 100
72 22.9 27.3 40.9

Manual Integrations
APPROVED

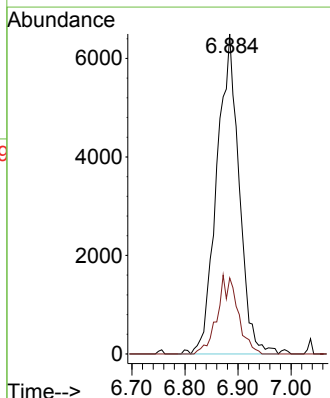
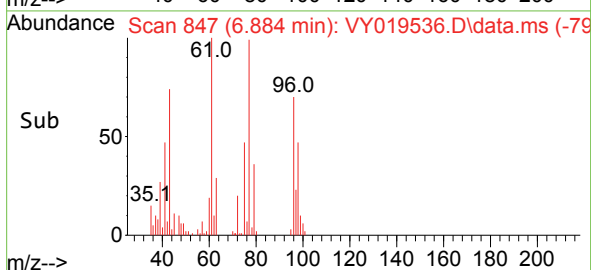
Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024

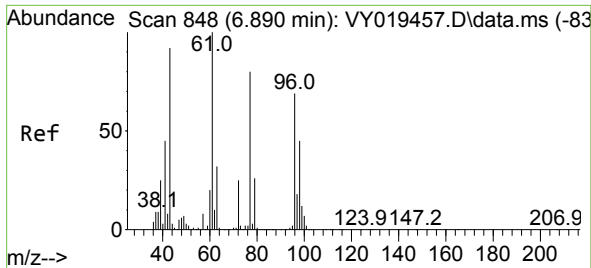


#26
2,2-Dichloropropane
Concen: 2.634 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55



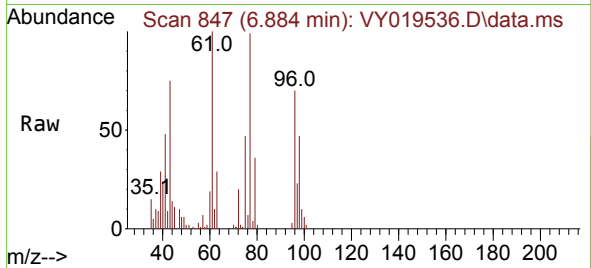
Tgt Ion: 77 Resp: 18989
Ion Ratio Lower Upper
77 100
97 11.3 12.0 36.1





#27
 cis-1,2-Dichloroethene
 Concen: 2.518 ug/l
 RT: 6.884 min Scan# 848
 Delta R.T. -0.006 min
 Lab File: VY019536.D
 Acq: 13 Sep 2024 12:55

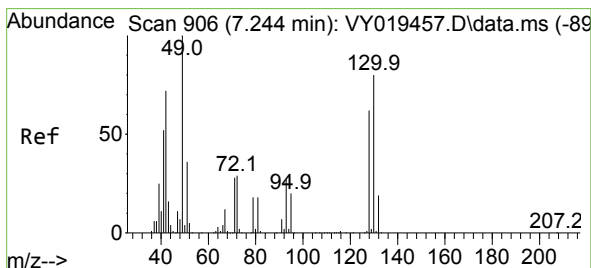
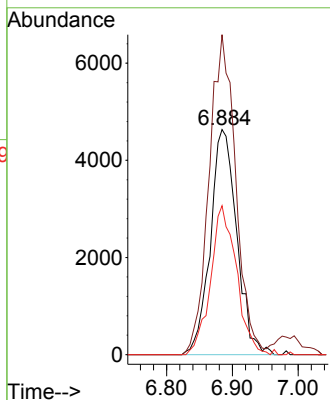
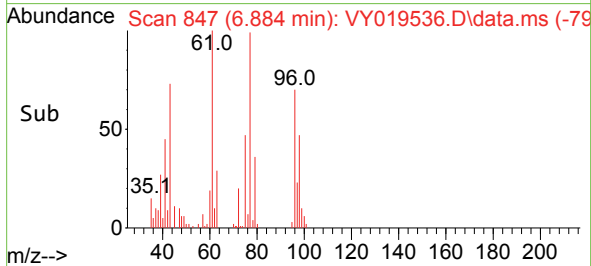
Instrument : MSVOA_Y
 ClientSampleId : MDL-SOIL-03-QT3-2024



Tgt Ion: 96 Resp: 1296
 Ion Ratio Lower Upper
 96 100
 61 143.4 0.0 256.2
 98 64.5 0.0 130.0

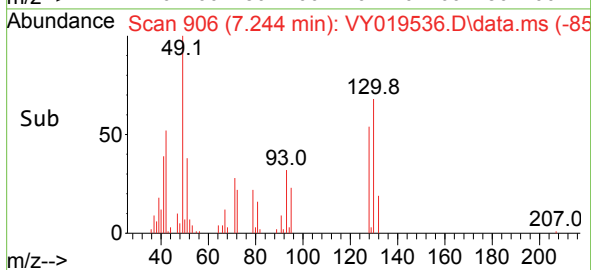
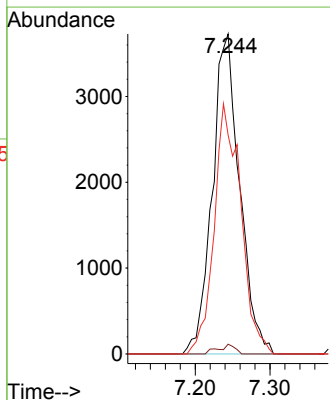
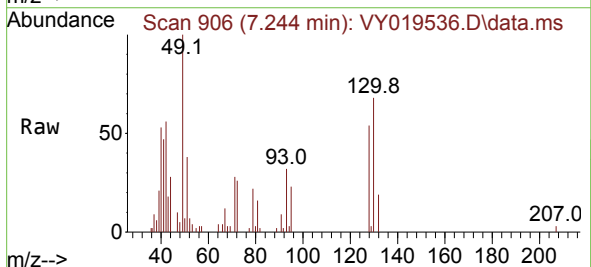
Manual Integrations
 APPROVED

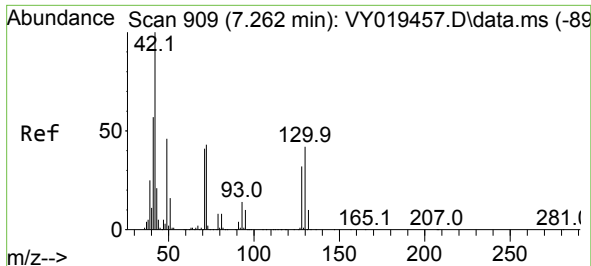
Reviewed By :Semsettin Yesilyurt 09/16/2024
 Supervised By :Mahesh Dadoda 09/16/2024



#28
 Bromochloromethane
 Concen: 2.818 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. 0.000 min
 Lab File: VY019536.D
 Acq: 13 Sep 2024 12:55

Tgt Ion: 49 Resp: 9476
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 4.6
 130 76.5 72.7 109.1





#29

Tetrahydrofuran

Concen: 12.789 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY019536.D

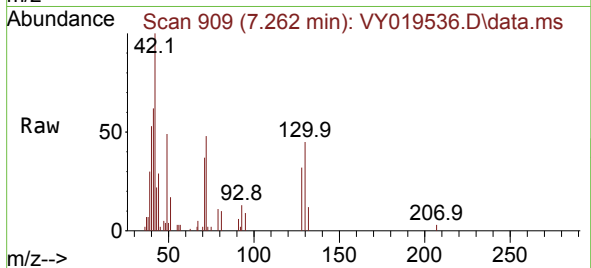
Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

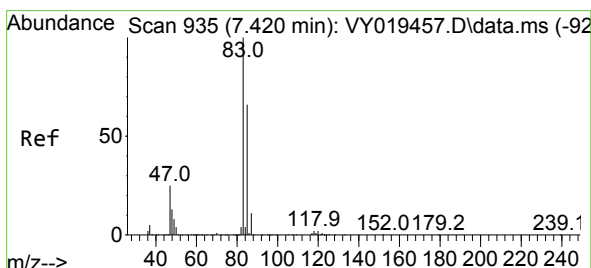
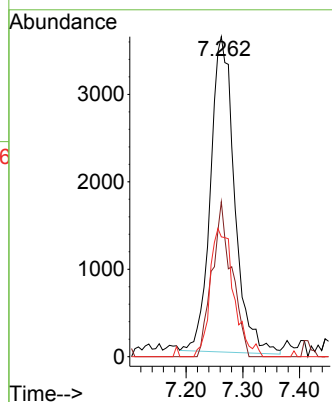
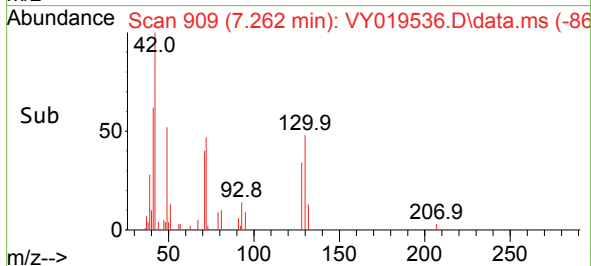


Tgt Ion: 42	Resp: 10630
Ion Ratio	Lower Upper
42	100
72	40.0 43.0 64.4
71	39.9 40.8 61.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#30

Chloroform

Concen: 2.843 ug/l

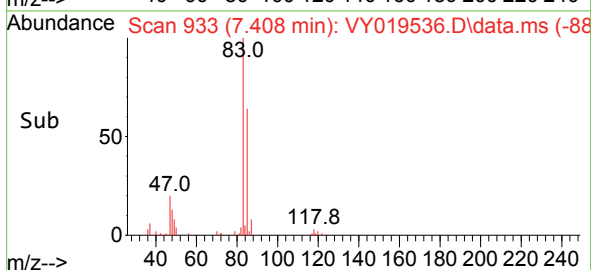
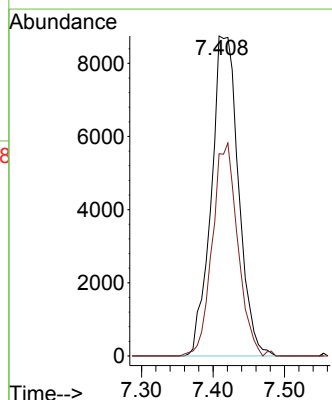
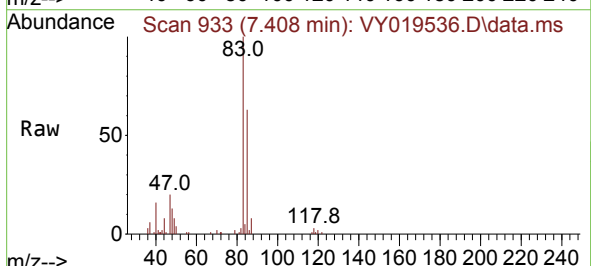
RT: 7.408 min Scan# 933

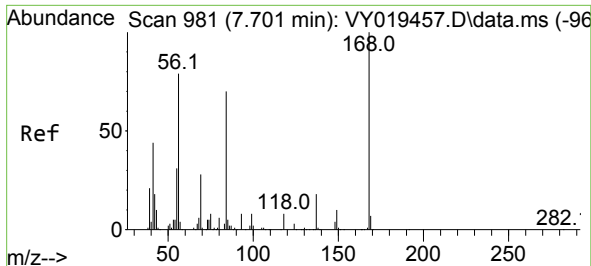
Delta R.T. -0.012 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

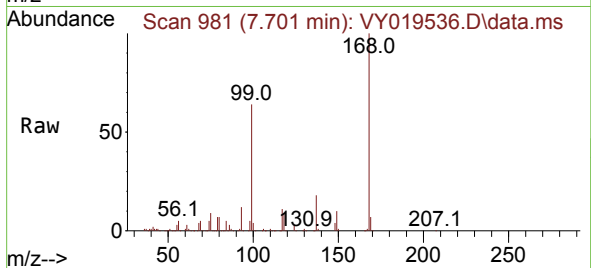
Tgt Ion: 83	Resp: 23196
Ion Ratio	Lower Upper
83	100
85	63.2 52.2 78.4





#31
Cyclohexane
Concen: 2.869 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

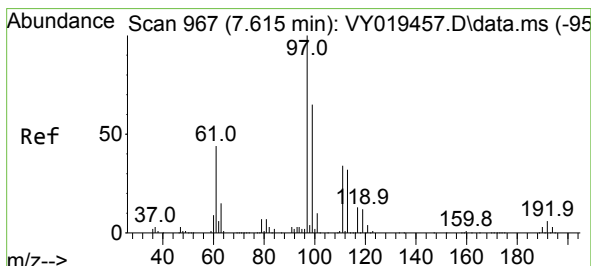
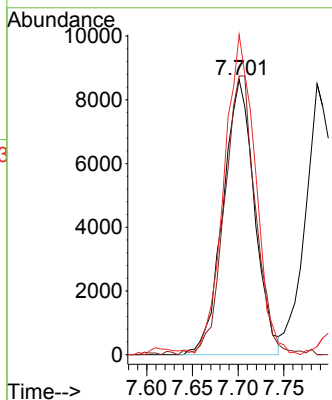
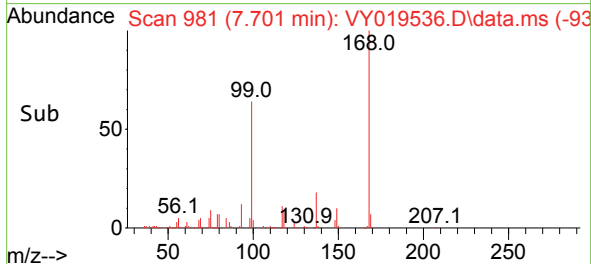
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion: 56 Resp: 20724
Ion Ratio Lower Upper
56 100
69 101.3 28.7 43.1
84 115.0 77.7 116.5

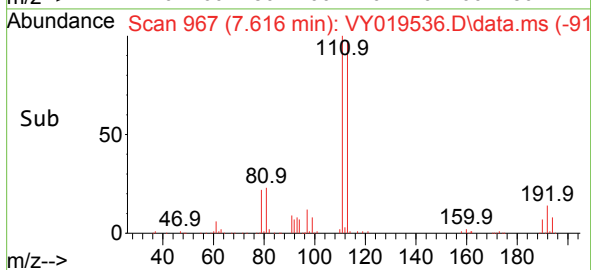
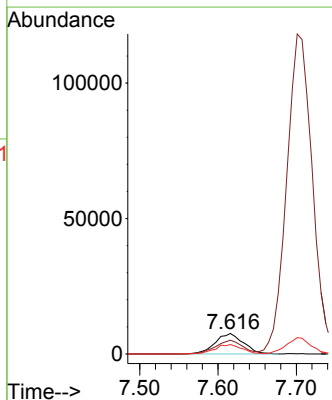
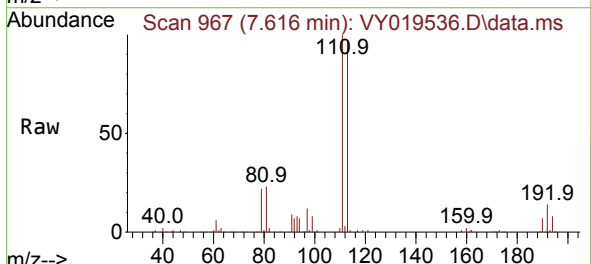
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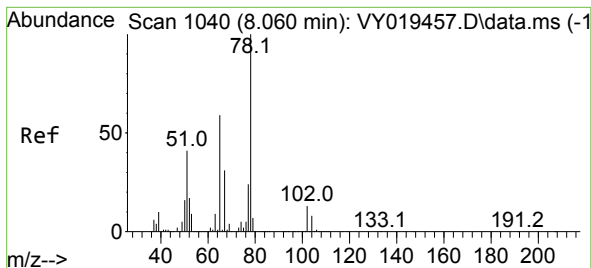
Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#32
1,1,1-Trichloroethane
Concen: 2.590 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion: 97 Resp: 18945
Ion Ratio Lower Upper
97 100
99 65.3 50.3 75.5
61 45.0 32.6 48.8





#33

1,2-Dichloroethane-d4

Concen: 56.979 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion: 65 Resp: 23001

Ion Ratio Lower Upper

65 100

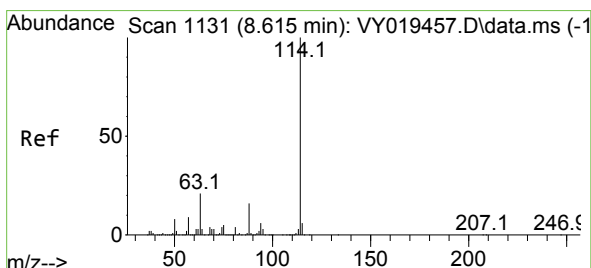
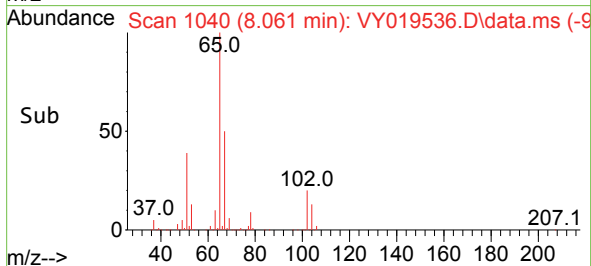
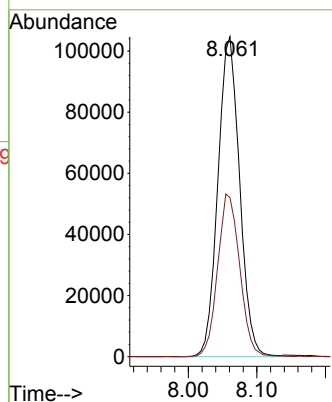
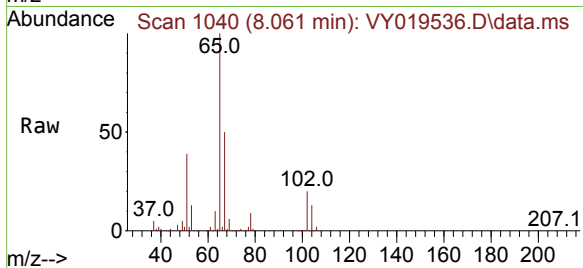
67 51.7 0.0 109.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/16/2024

Supervised By :Mahesh Dadoda 09/16/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

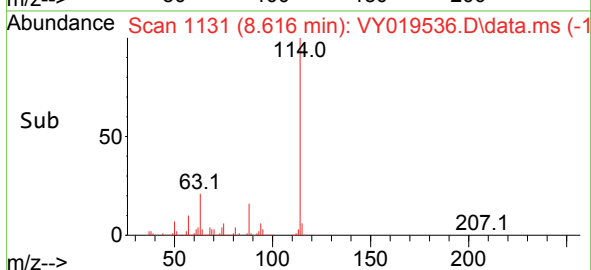
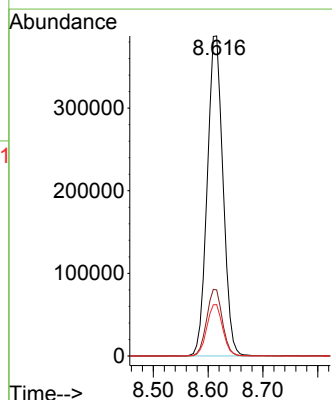
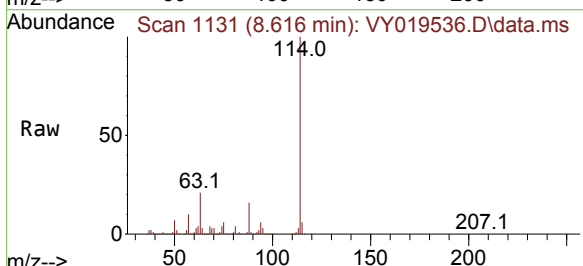
Tgt Ion:114 Resp: 771089

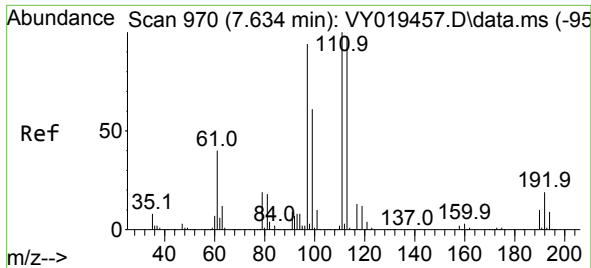
Ion Ratio Lower Upper

114 100

63 20.7 0.0 35.0

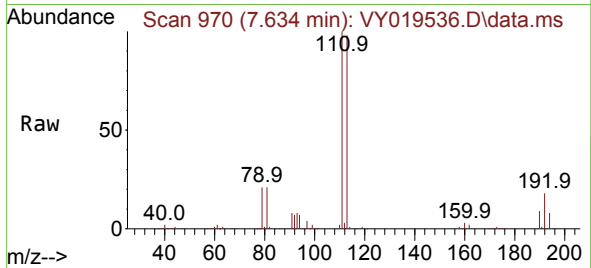
88 16.1 0.0 27.2





#35
Dibromofluoromethane
Concen: 52.706 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

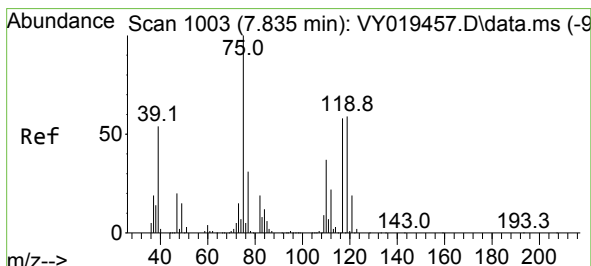
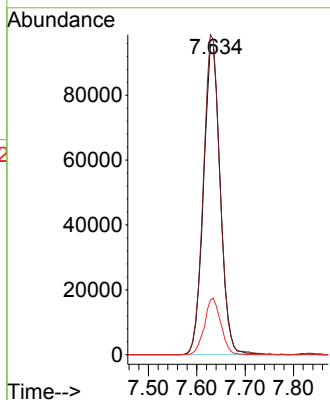
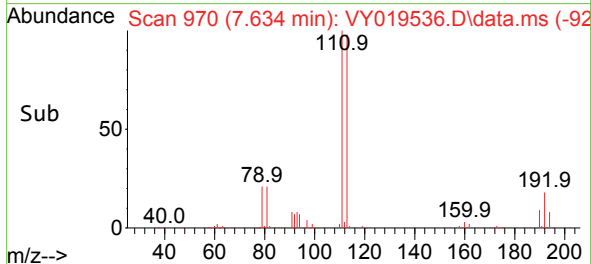
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024



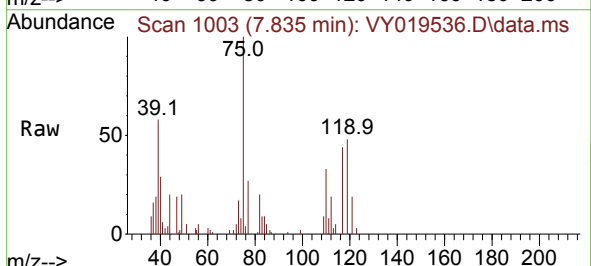
Tgt Ion: 113 Resp: 23042
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.4
192 17.8 15.9 23.9

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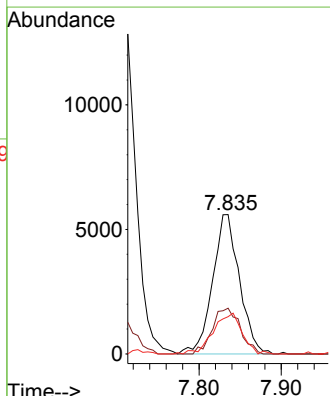
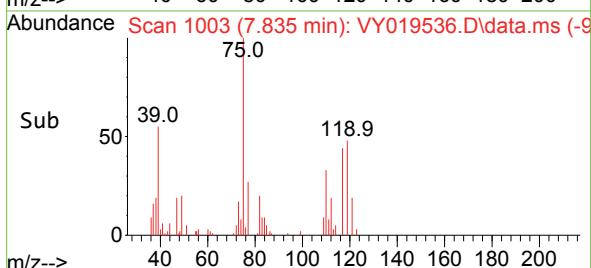
Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024

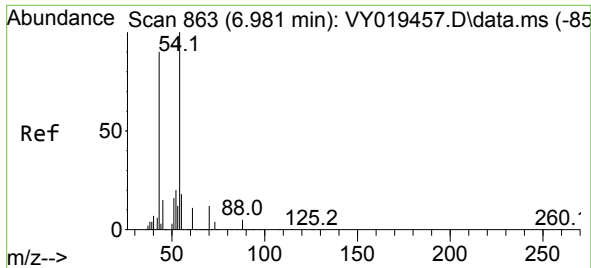


#36
1,1-Dichloropropene
Concen: 2.135 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55



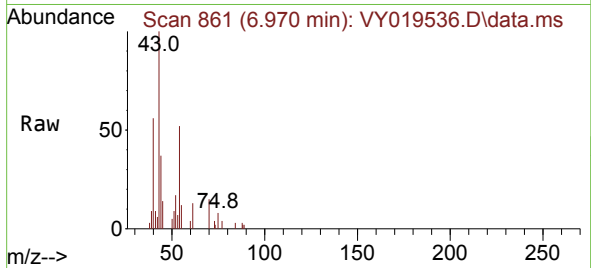
Tgt Ion: 75 Resp: 12702
Ion Ratio Lower Upper
75 100
110 34.1 19.0 57.0
77 31.5 25.3 37.9





#37
Ethyl Acetate
Concen: 2.377 ug/l
RT: 6.970 min Scan# 80
Delta R.T. -0.012 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

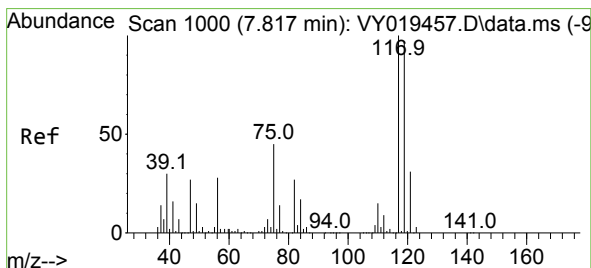
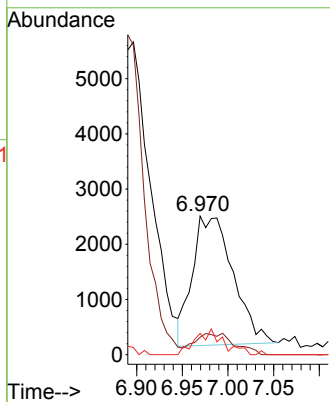
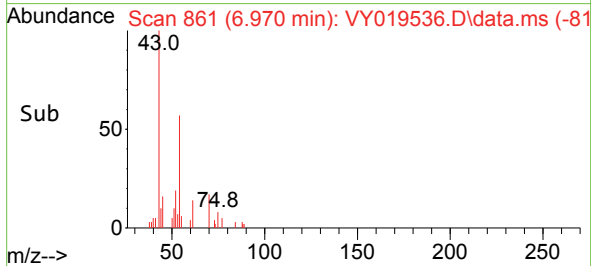
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion: 43 Resp: 7240
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0
70 6.0 7.8 11.8

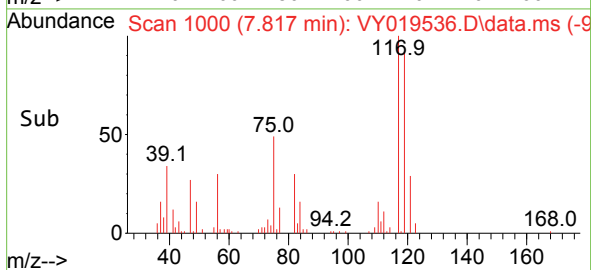
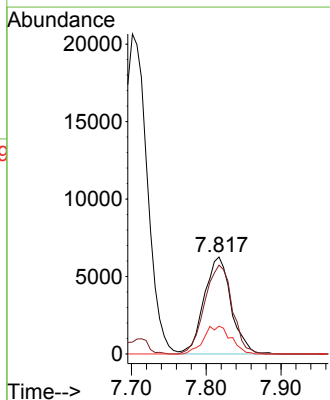
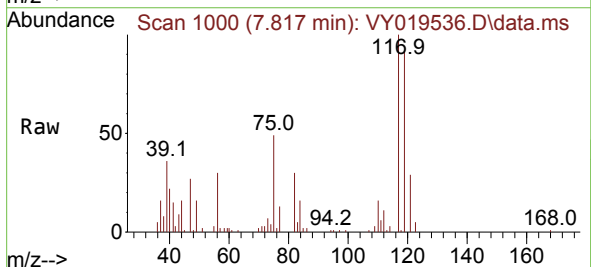
Manual Integrations
APPROVED

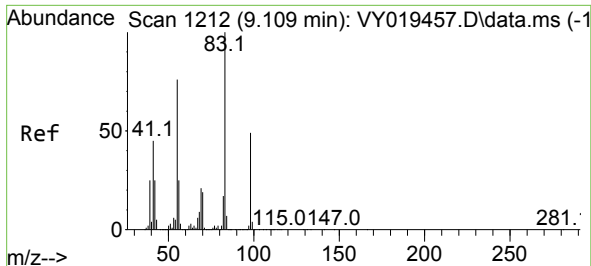
Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#38
Carbon Tetrachloride
Concen: 2.349 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion:117 Resp: 15761
Ion Ratio Lower Upper
117 100
119 91.6 75.8 113.6
121 28.7 24.0 36.0





#39

Methylcyclohexane

Concen: 1.583 ug/l

RT: 9.103 min Scan# 1212

Delta R.T. -0.006 min

Lab File: VY019536.D

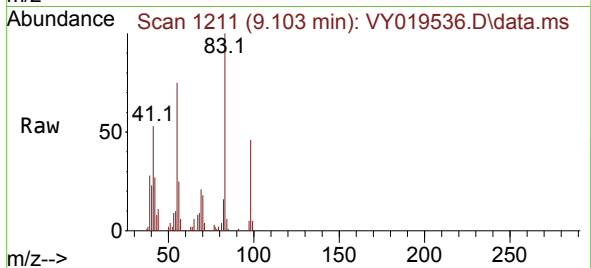
Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

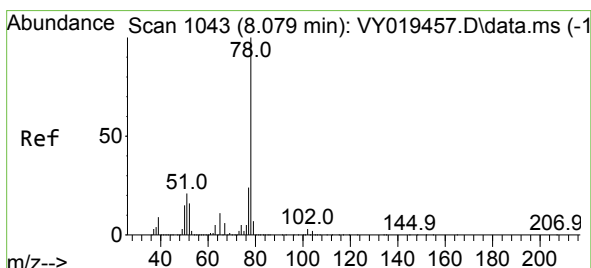
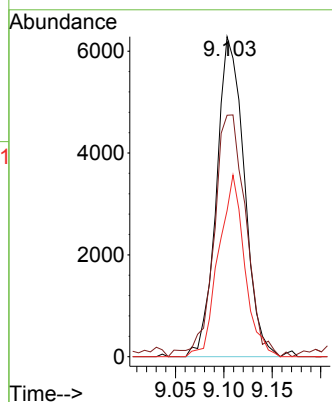
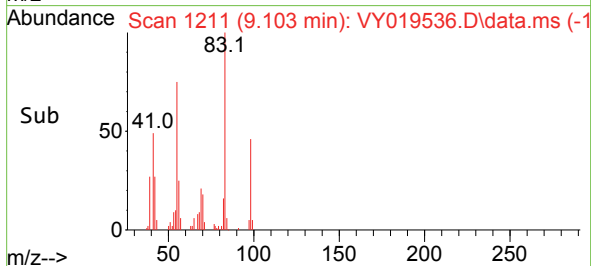


Tgt Ion:	83	Resp:	12530
Ion Ratio	100	Lower	Upper
83	100		
55	75.5	51.5	77.3
98	45.6	40.5	60.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#40

Benzene

Concen: 2.227 ug/l

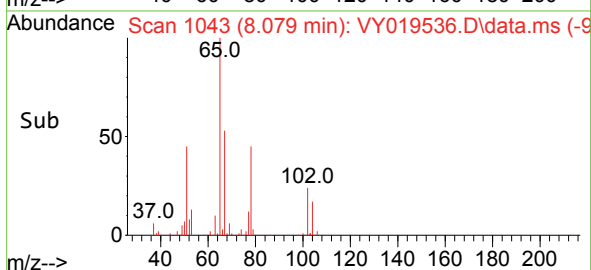
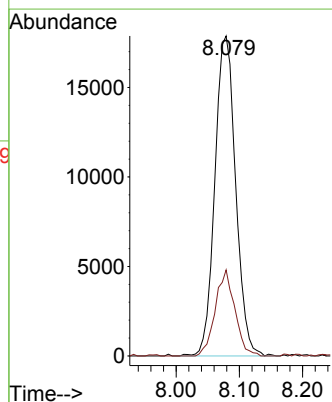
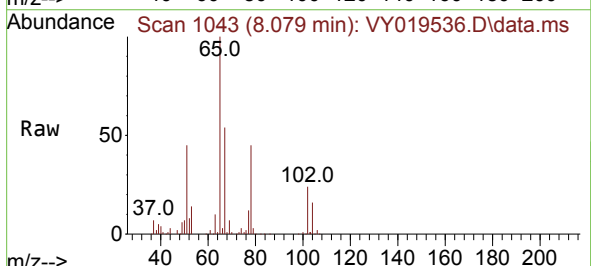
RT: 8.079 min Scan# 1043

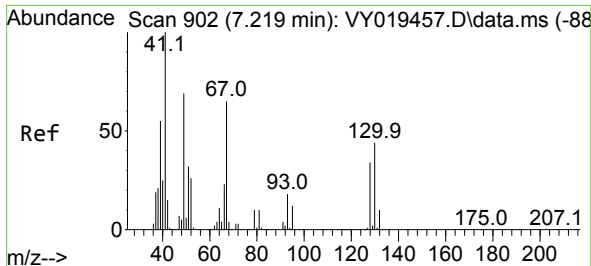
Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

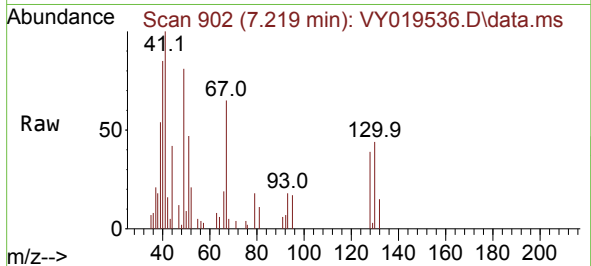
Tgt Ion:	78	Resp:	40803
Ion Ratio	100	Lower	Upper
78	100		
77	26.9	19.5	29.3





#41
Methacrylonitrile
Concen: 2.309 ug/l
RT: 7.219 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

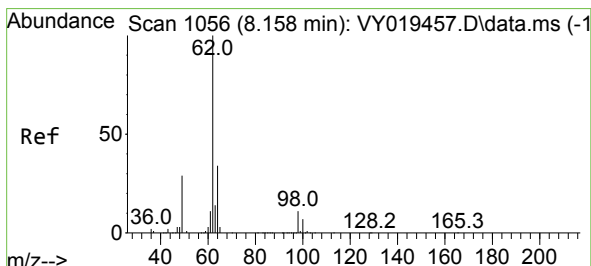
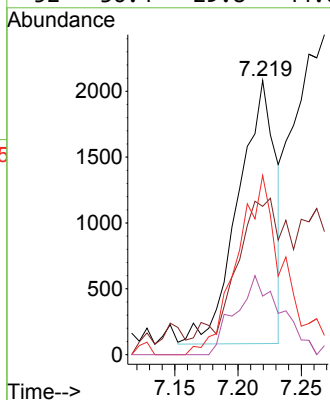
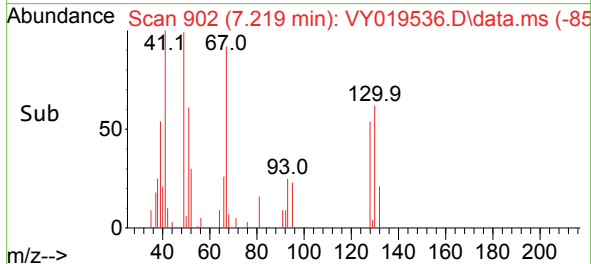
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:	41	Resp:	410
Ion Ratio	100	Lower	Upper
41	100		
39	71.6	48.0	72.0
67	89.1	75.1	112.7
52	36.4	29.8	44.6

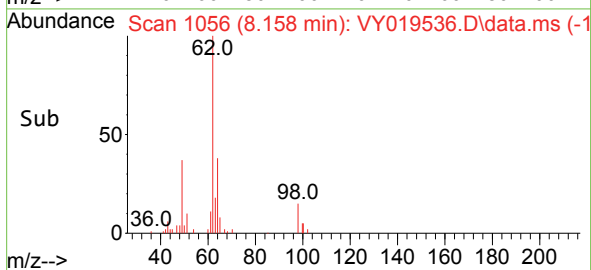
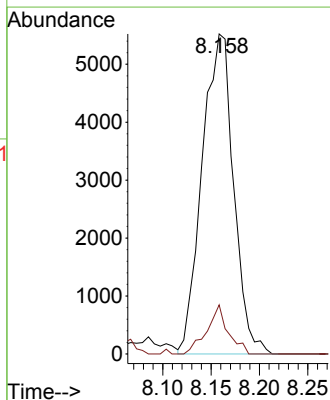
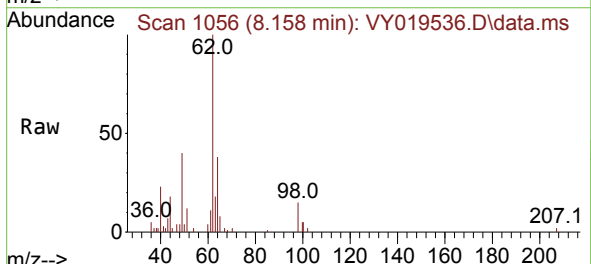
Manual Integrations
APPROVED

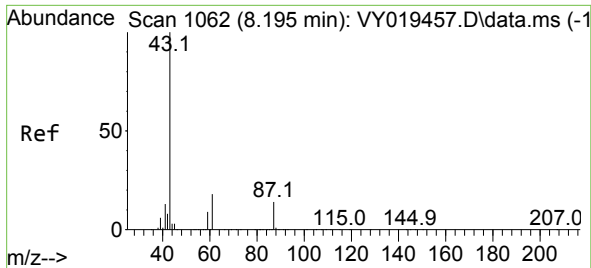
Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#42
1,2-Dichloroethane
Concen: 2.535 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

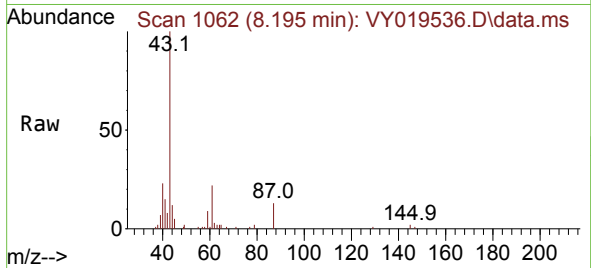
Tgt Ion:	62	Resp:	12501
Ion Ratio	100	Lower	Upper
62	100		
98	10.3	0.0	22.0





#43
Isopropyl Acetate
Concen: 2.464 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

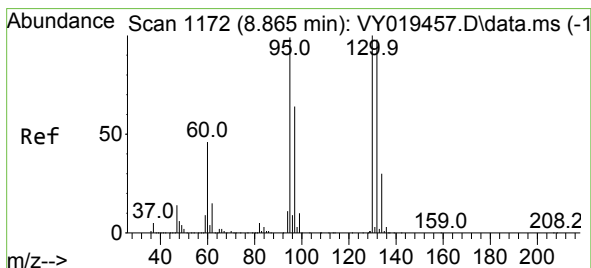
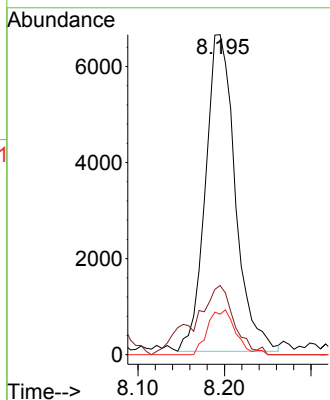
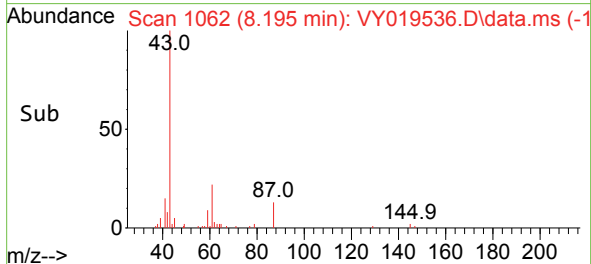
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT3-2024



Tgt Ion: 43 Resp: 15770
Ion Ratio Lower Upper
43 100
61 29.4 27.9 41.9
87 13.3 13.1 19.7

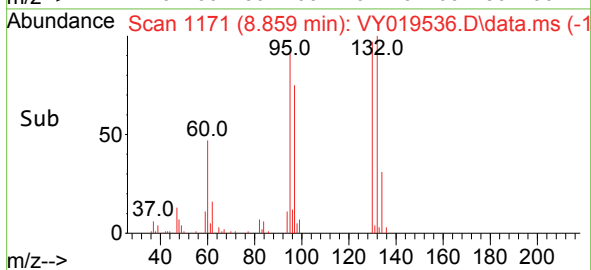
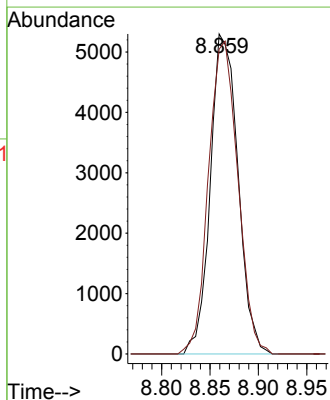
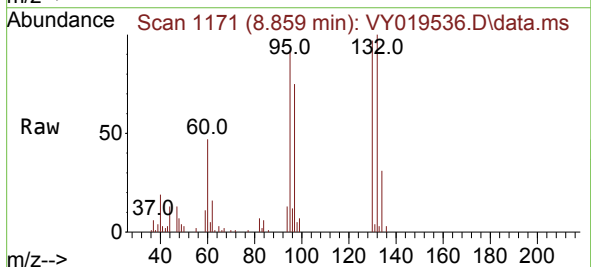
Manual Integrations
APPROVED

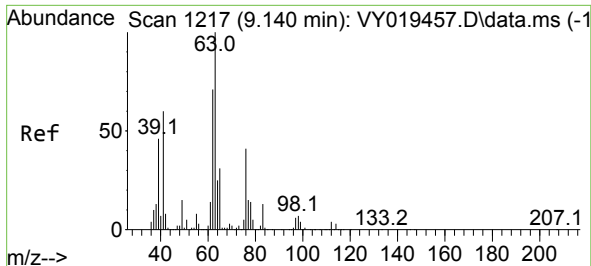
Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#44
Trichloroethene
Concen: 2.233 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion:130 Resp: 10524
Ion Ratio Lower Upper
130 100
95 95.3 0.0 188.0





#45

1,2-Dichloropropane

Concen: 2.598 ug/l

RT: 9.140 min Scan# 1163

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion: 63 Resp: 1163

Ion Ratio Lower Upper

63 100

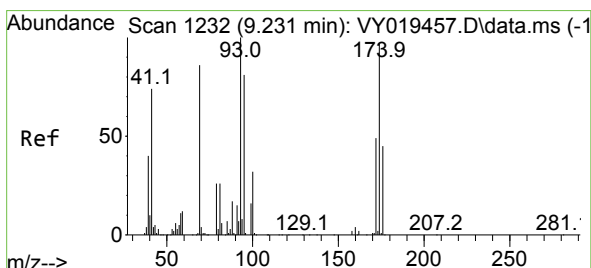
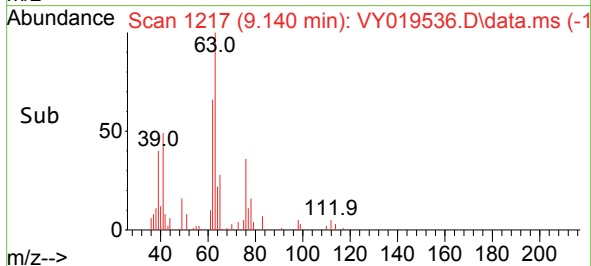
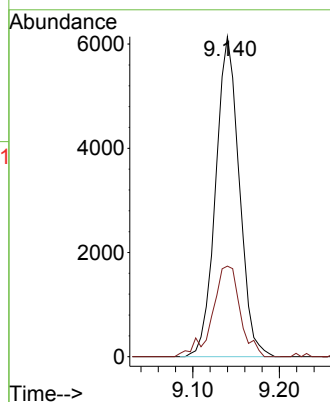
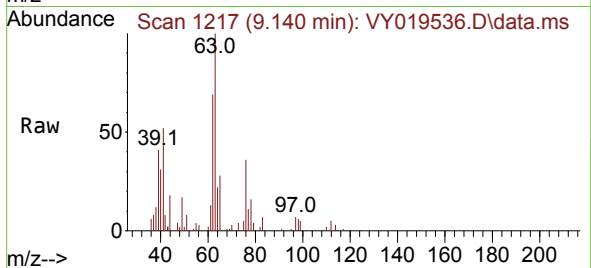
65 28.3 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/16/2024

Supervised By :Mahesh Dadoda 09/16/2024



#46

Dibromomethane

Concen: 2.547 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

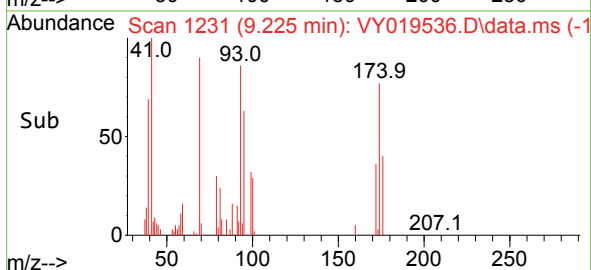
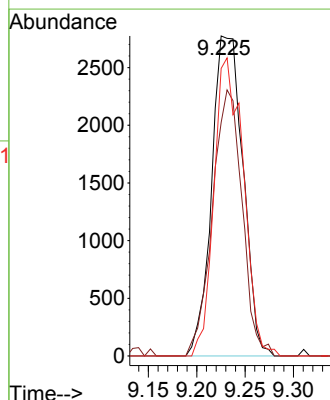
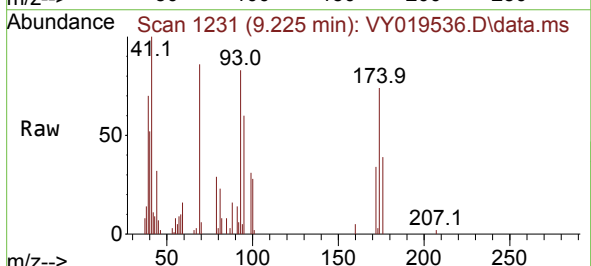
Tgt Ion: 93 Resp: 6239

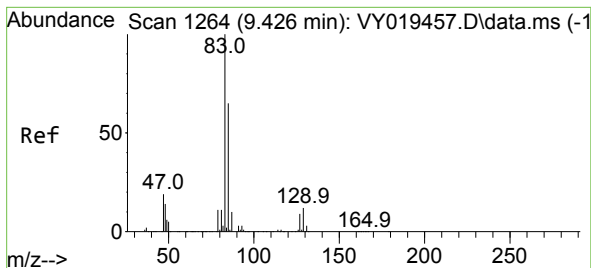
Ion Ratio Lower Upper

93 100

95 79.0 66.2 99.4

174 87.3 80.9 121.3





#47

Bromodichloromethane

Concen: 2.505 ug/l

RT: 9.420 min Scan# 1264

Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

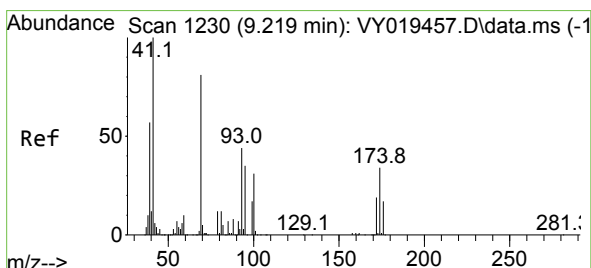
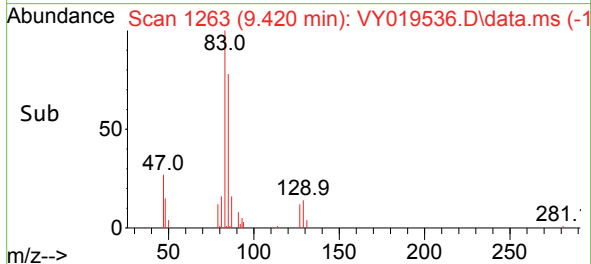
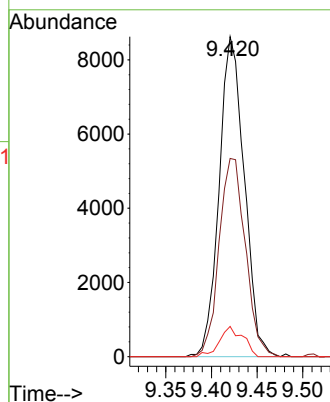
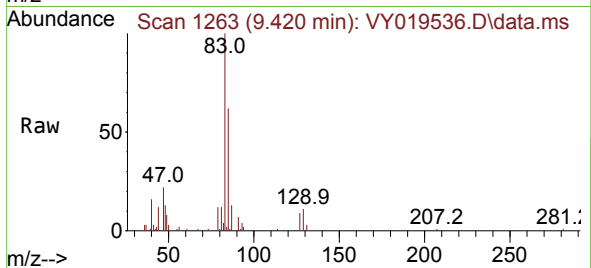
MDL-SOIL-03-QT3-2024

Tgt Ion: 83	Resp: 1649
Ion Ratio	Lower Upper
83 100	
85 61.9	50.1 75.1
127 9.5	7.4 11.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#48

Methyl methacrylate

Concen: 2.202 ug/l

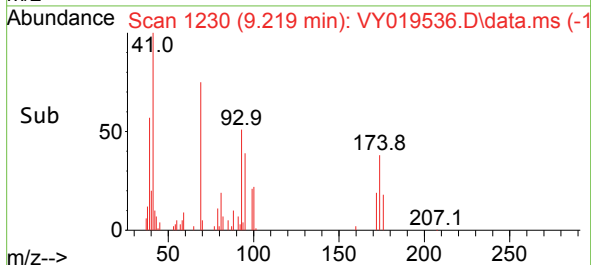
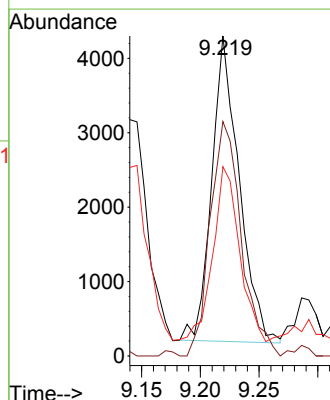
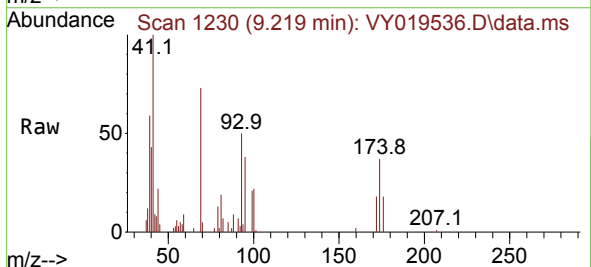
RT: 9.219 min Scan# 1230

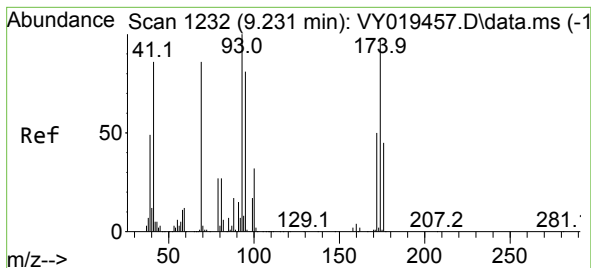
Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Tgt Ion: 41	Resp: 6659
Ion Ratio	Lower Upper
41 100	
69 87.1	84.1 126.1
39 66.2	43.6 65.4





#49

1,4-Dioxane

Concen: 56.662 ug/l

RT: 9.237 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY019536.D

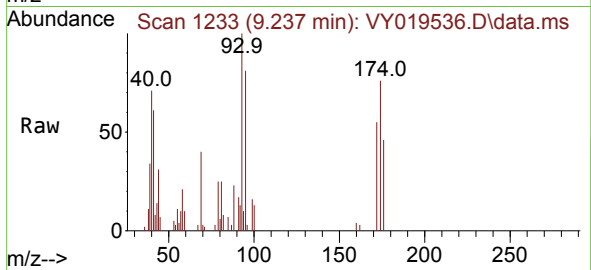
Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

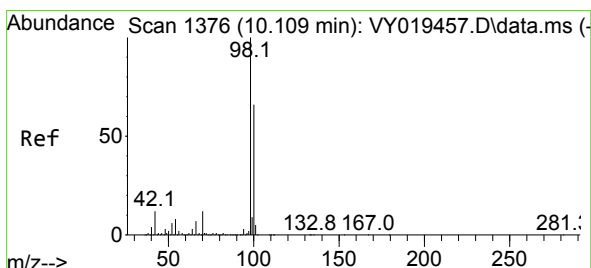
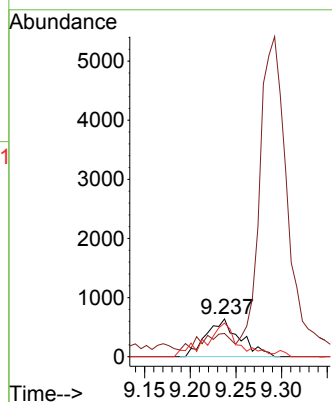
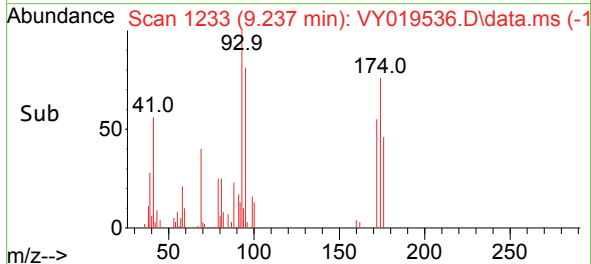


Tgt Ion: 88	Resp: 1634
Ion Ratio	Lower Upper
88 100	
43 38.3	0.0 0.0
58 86.2	49.3 73.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#50

Toluene-d8

Concen: 52.590 ug/l

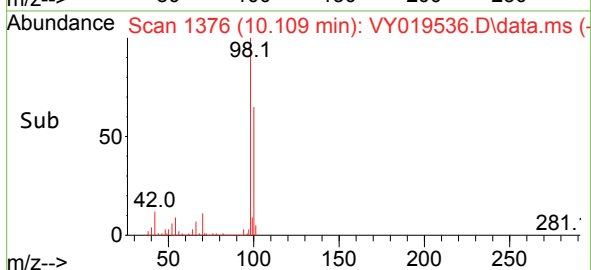
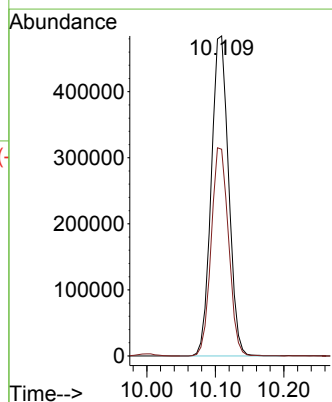
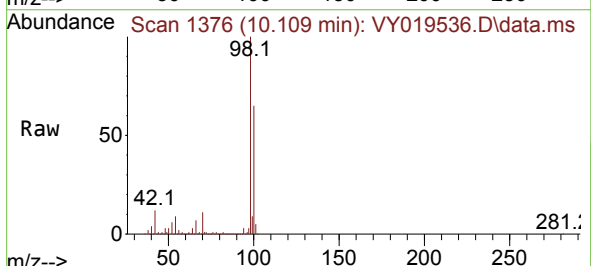
RT: 10.109 min Scan# 1376

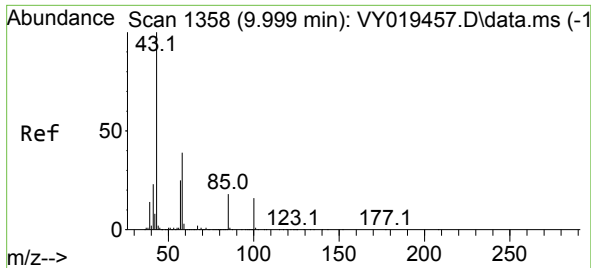
Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

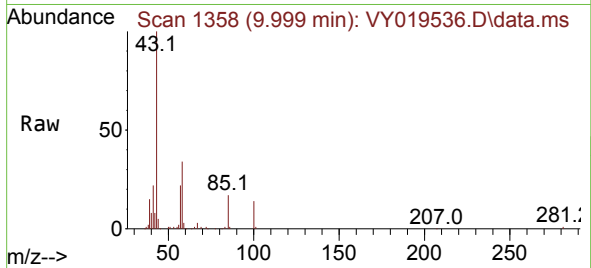
Tgt Ion: 98	Resp: 850413
Ion Ratio	Lower Upper
98 100	
100 65.2	52.0 78.0





#51
4-Methyl-2-Pentanone
Concen: 12.285 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

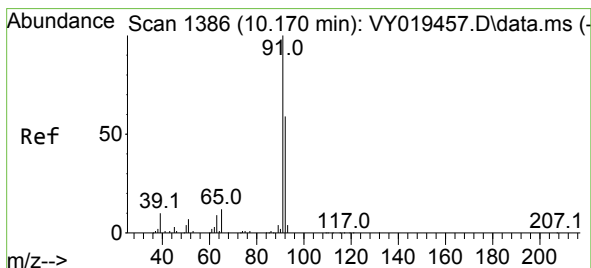
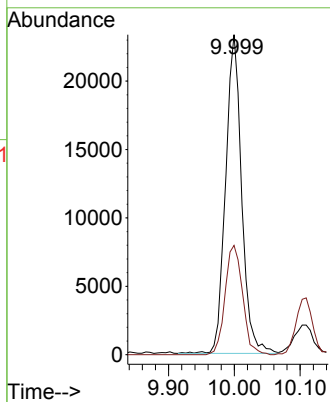
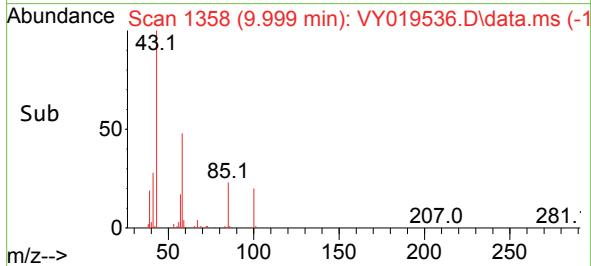
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion: 43 Resp: 39580
Ion Ratio Lower Upper
43 100
58 37.4 35.7 53.5

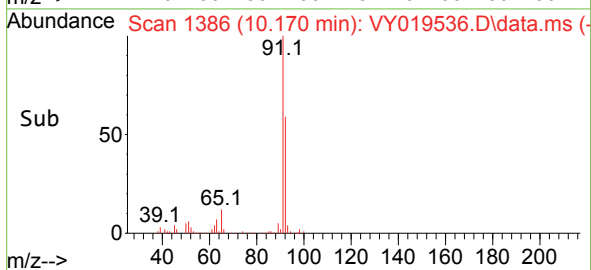
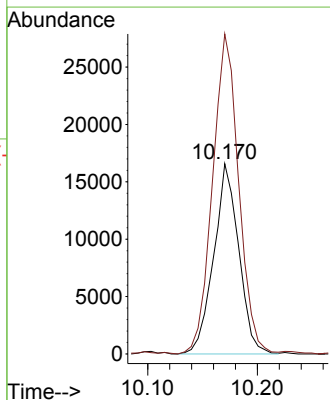
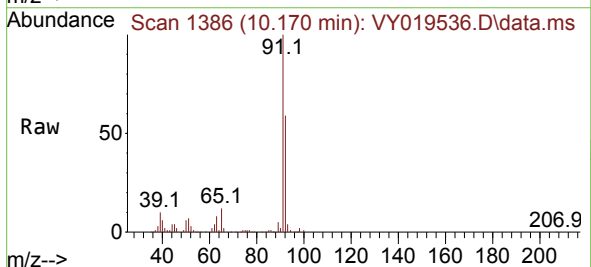
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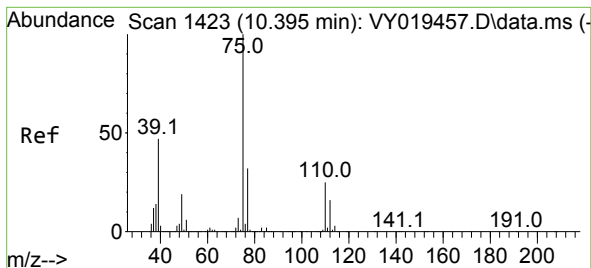
Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#52
Toluene
Concen: 2.231 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

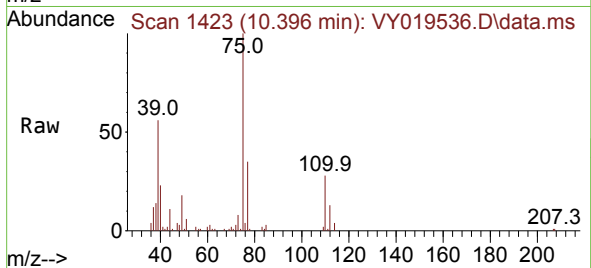
Tgt Ion: 92 Resp: 26286
Ion Ratio Lower Upper
92 100
91 175.9 139.0 208.6





#53
 t-1,3-Dichloropropene
 Concen: 2.402 ug/l
 RT: 10.396 min Scan# 1423
 Delta R.T. 0.000 min
 Lab File: VY019536.D
 Acq: 13 Sep 2024 12:55

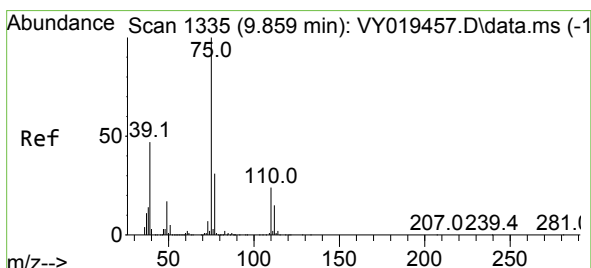
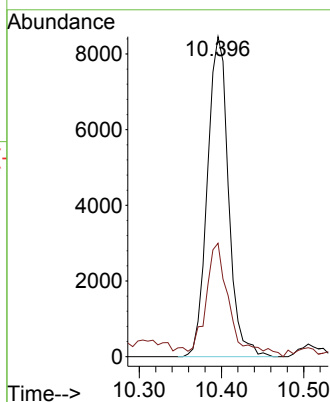
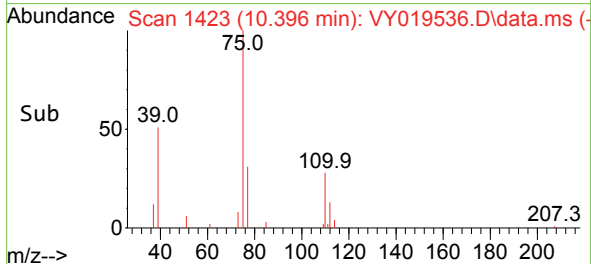
Instrument : MSVOA_Y
 ClientSampleId : MDL-SOIL-03-QT3-2024



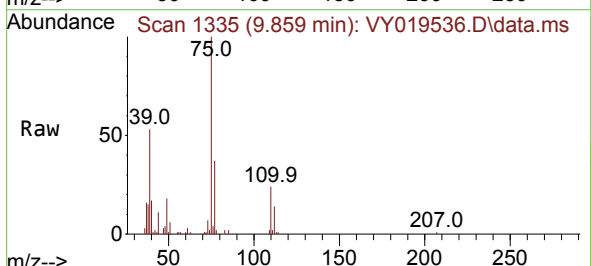
Tgt Ion: 75 Resp: 15070
 Ion Ratio Lower Upper
 75 100
 77 34.2 24.1 36.1

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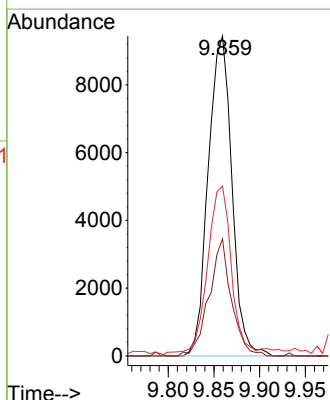
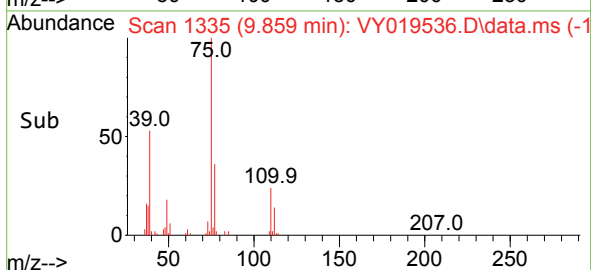
Reviewed By :Semsettin Yesilyurt 09/16/2024
 Supervised By :Mahesh Dadoda 09/16/2024

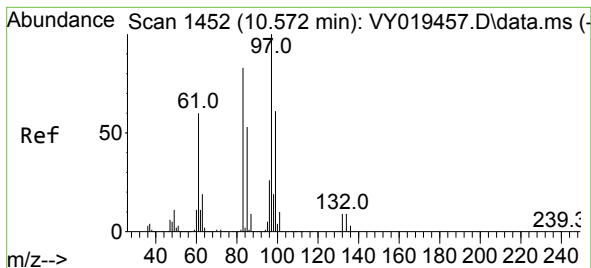


#54
 cis-1,3-Dichloropropene
 Concen: 2.331 ug/l
 RT: 9.859 min Scan# 1335
 Delta R.T. 0.000 min
 Lab File: VY019536.D
 Acq: 13 Sep 2024 12:55



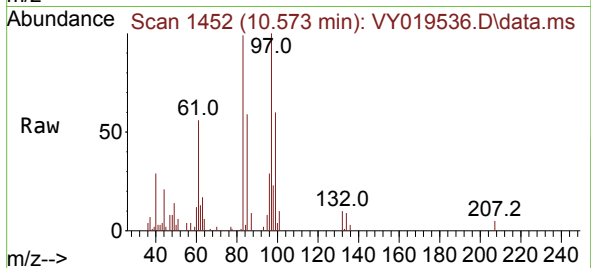
Tgt Ion: 75 Resp: 17039
 Ion Ratio Lower Upper
 75 100
 77 36.6 25.4 38.0
 39 51.9 29.8 44.6#





#55
1,1,2-Trichloroethane
Concen: 2.604 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

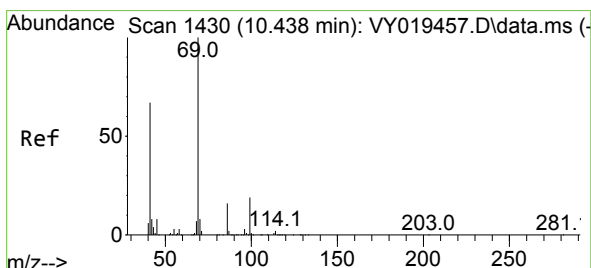
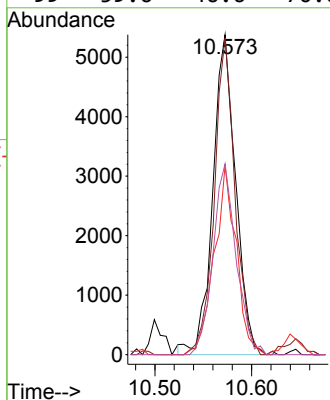
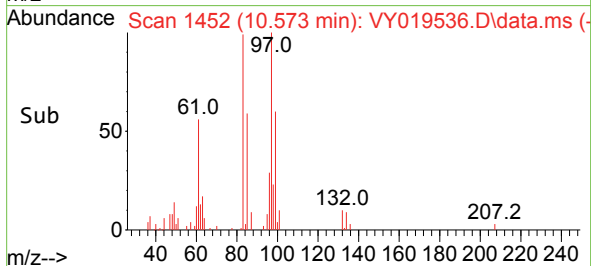
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT3-2024



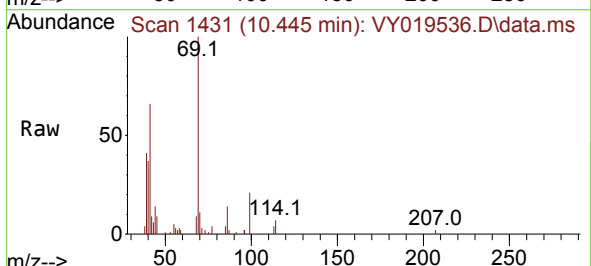
Tgt Ion:	97	Resp:	8810
Ion	Ratio	Lower	Upper
97	100		
83	99.0	67.5	101.3
85	59.2	42.9	64.3
99	59.6	46.6	70.0

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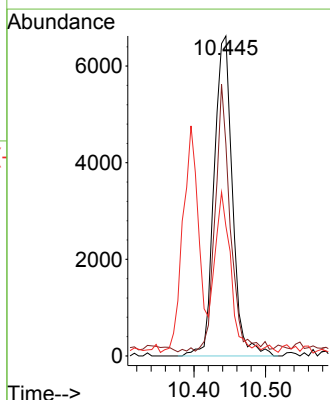
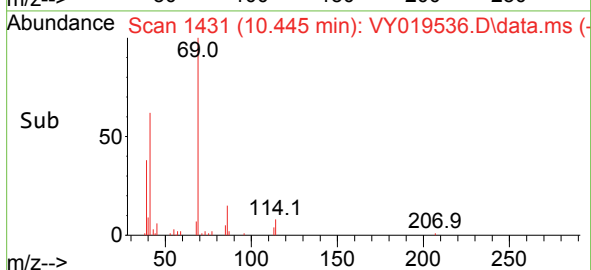
Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024

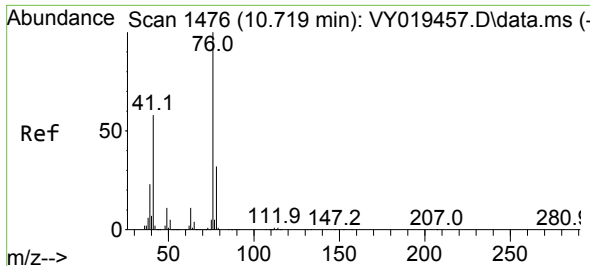


#56
Ethyl methacrylate
Concen: 2.295 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55



Tgt Ion:	69	Resp:	11795
Ion	Ratio	Lower	Upper
69	100		
41	70.5	42.3	63.5#
39	42.5	22.9	34.3#





#57

1,3-Dichloropropane

Concen: 2.553 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY019536.D

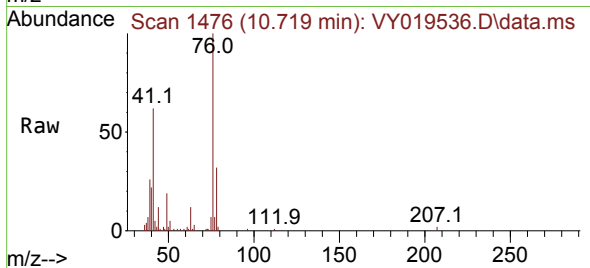
Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024



Tgt Ion: 76 Resp: 1484

Ion Ratio Lower Upper

76 100

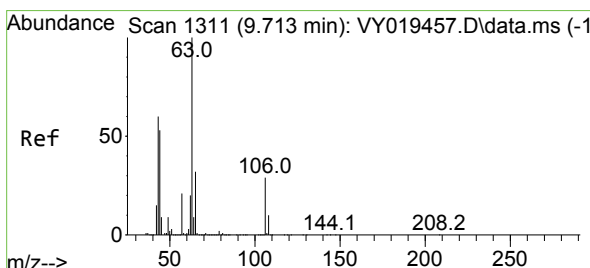
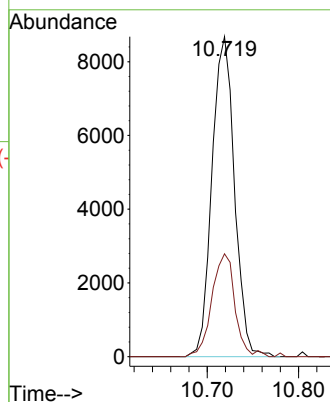
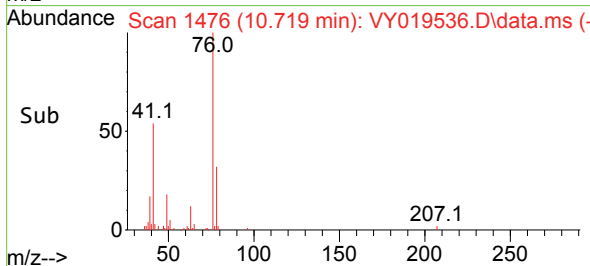
78 33.1 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/16/2024

Supervised By :Mahesh Dadoda 09/16/2024



#58

2-Chloroethyl Vinyl ether

Concen: 12.056 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. -0.006 min

Lab File: VY019536.D

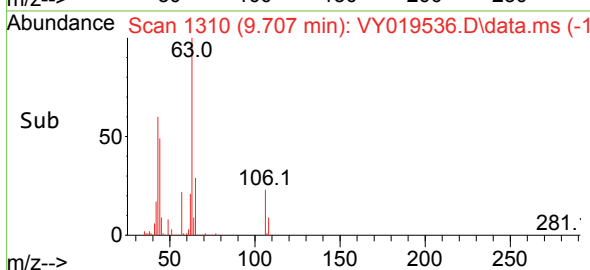
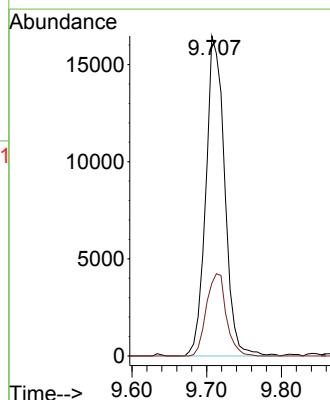
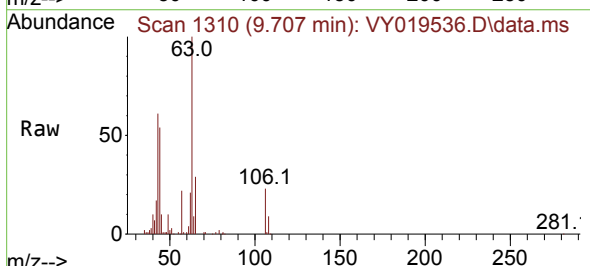
Acq: 13 Sep 2024 12:55

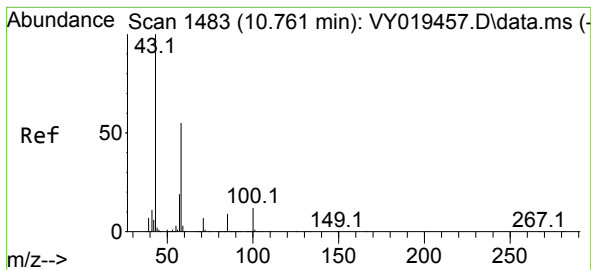
Tgt Ion: 63 Resp: 28755

Ion Ratio Lower Upper

63 100

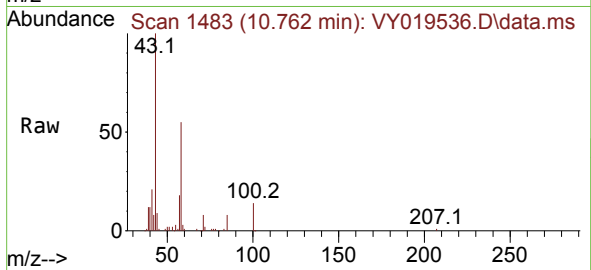
106 27.1 23.7 35.5





#59
2-Hexanone
Concen: 11.475 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

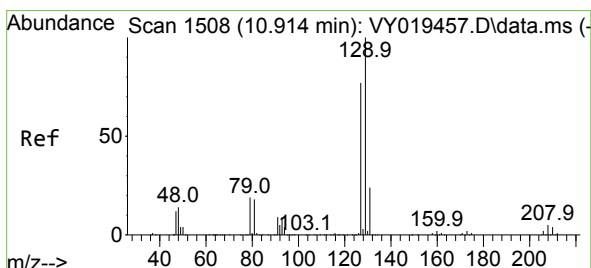
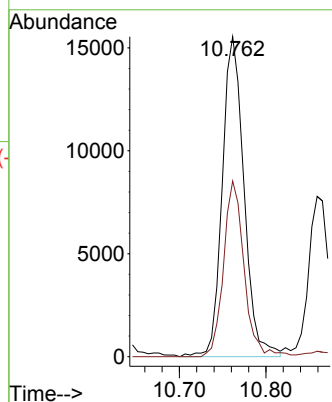
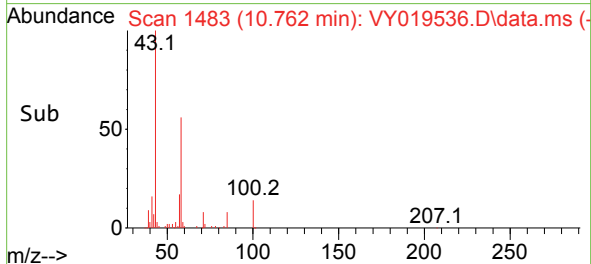
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion: 43 Resp: 27104
Ion Ratio Lower Upper
43 100
58 52.1 31.4 94.0

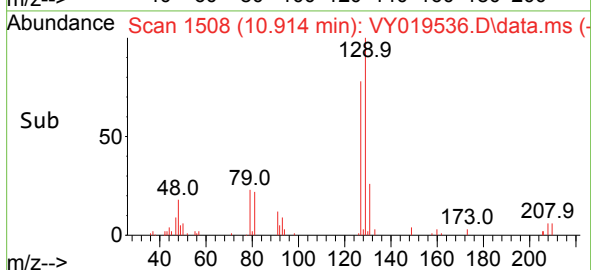
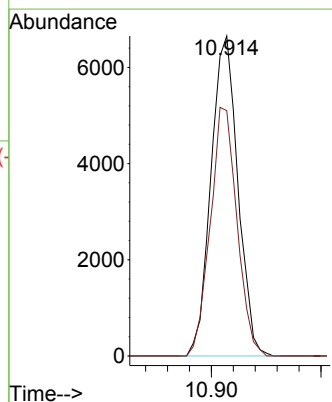
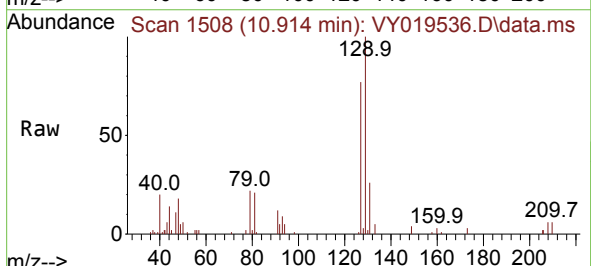
Manual Integrations
APPROVED

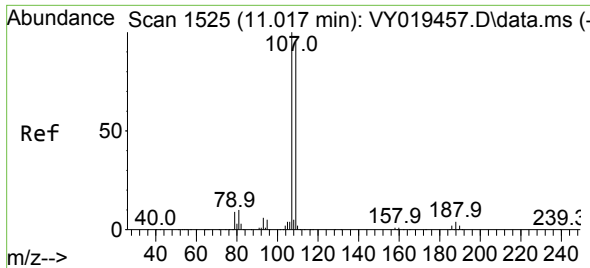
Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#60
Dibromochloromethane
Concen: 2.535 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

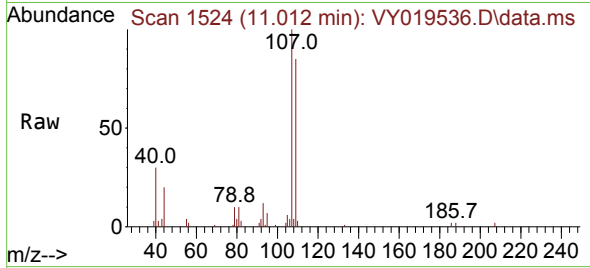
Tgt Ion:129 Resp: 11346
Ion Ratio Lower Upper
129 100
127 77.0 39.0 117.0





#61
1,2-Dibromoethane
Concen: 2.369 ug/l
RT: 11.012 min Scan# 1525
Delta R.T. -0.006 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

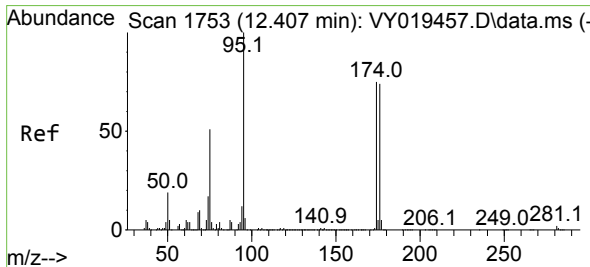
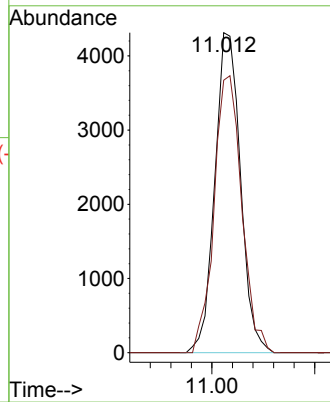
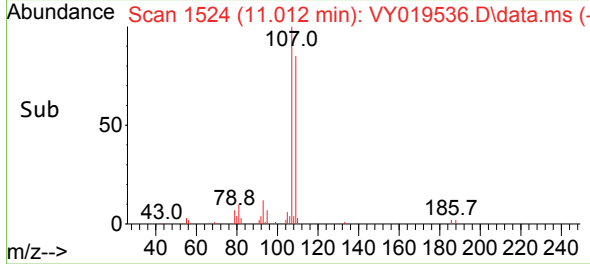
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT3-2024



Tgt Ion: 107 Resp: 7468
Ion Ratio Lower Upper
107 100
109 93.5 75.9 113.9

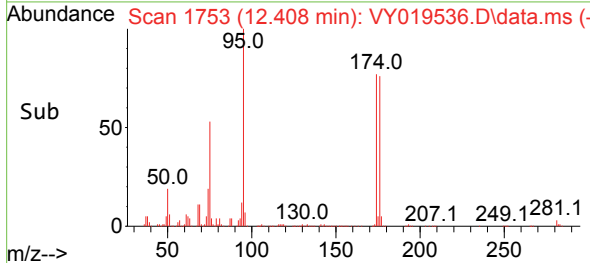
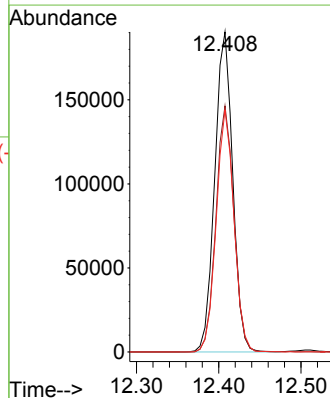
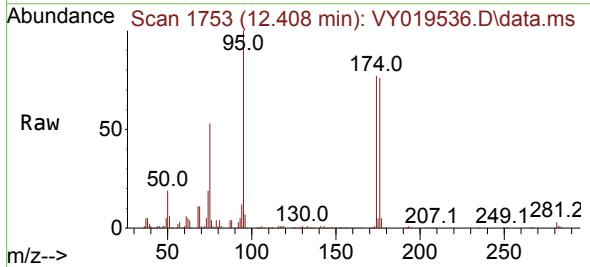
Manual Integrations
APPROVED

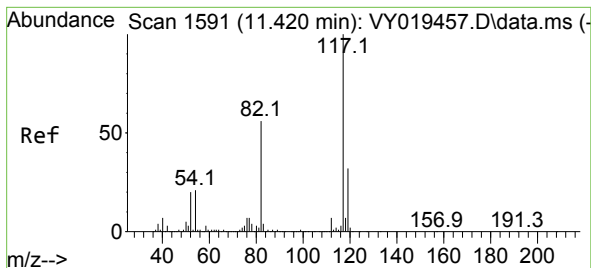
Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#62
4-Bromofluorobenzene
Concen: 46.638 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion: 95 Resp: 289985
Ion Ratio Lower Upper
95 100
174 76.7 0.0 175.6
176 74.6 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

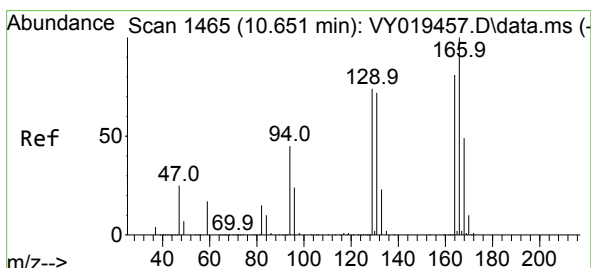
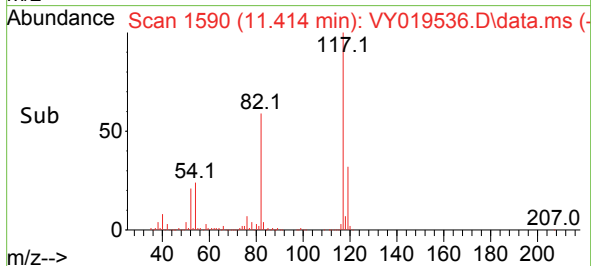
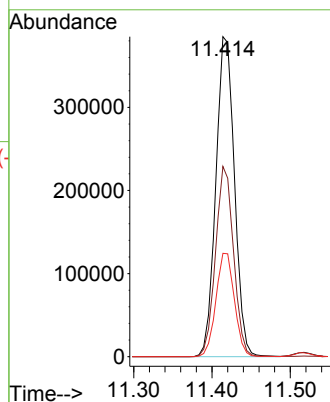
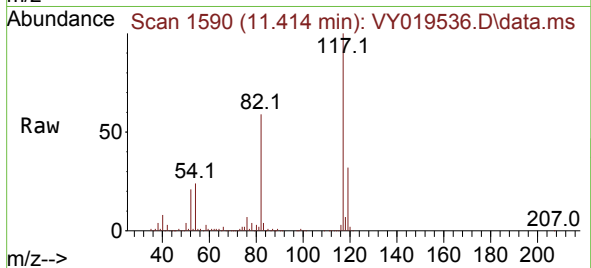
MDL-SOIL-03-QT3-2024

Tgt Ion:	117	Resp:	63683
Ion Ratio	Lower	Upper	
117	100		
82	59.5	42.4	63.6
119	32.3	25.9	38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#64

Tetrachloroethene

Concen: 2.302 ug/l

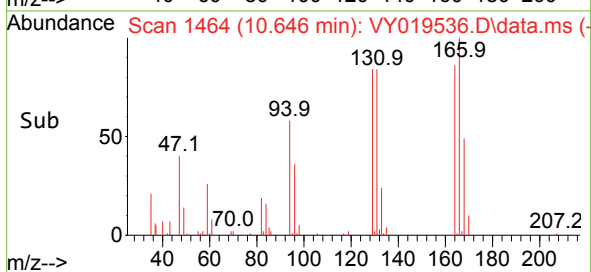
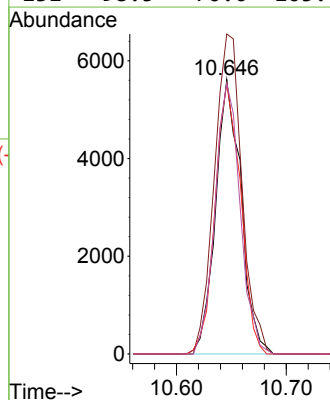
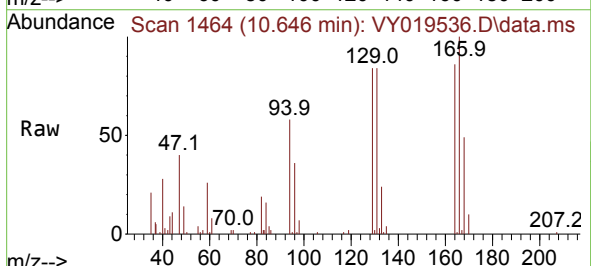
RT: 10.646 min Scan# 1464

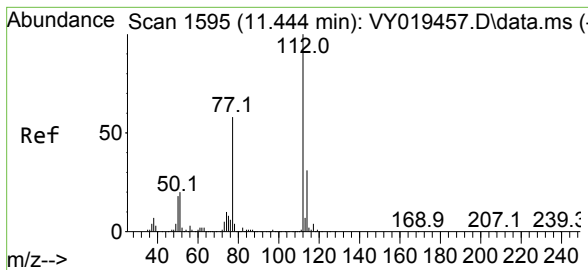
Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

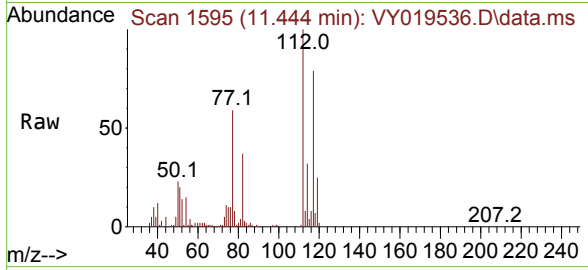
Tgt Ion:	164	Resp:	9077
Ion Ratio	Lower	Upper	
164	100		
166	116.6	102.6	154.0
129	98.5	72.0	108.0
131	98.5	70.0	105.0





#65
Chlorobenzene
Concen: 2.533 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

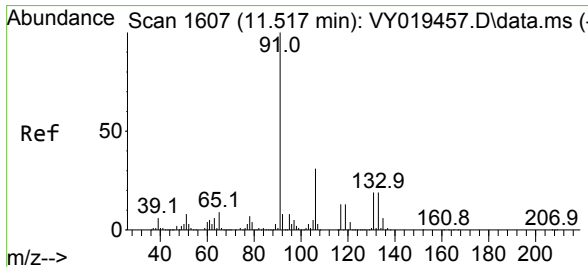
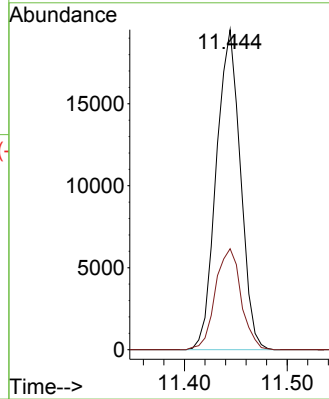
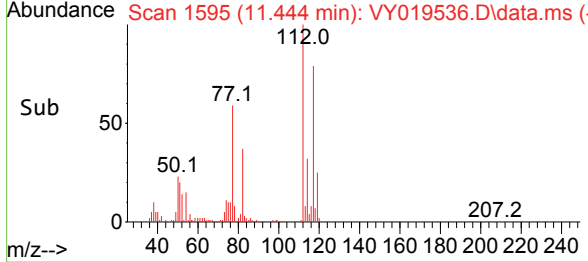
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT3-2024



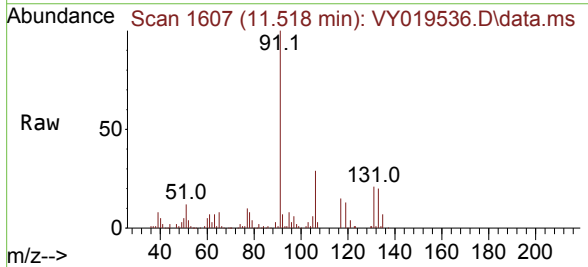
Tgt Ion:112 Resp: 3172
Ion Ratio Lower Upper
112 100
114 31.6 26.4 39.6

Manual Integrations
APPROVED

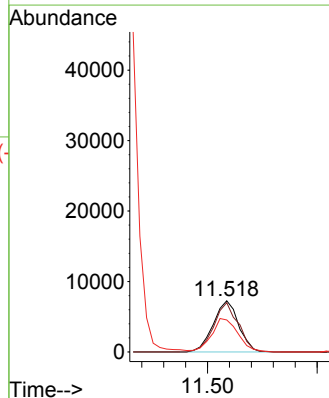
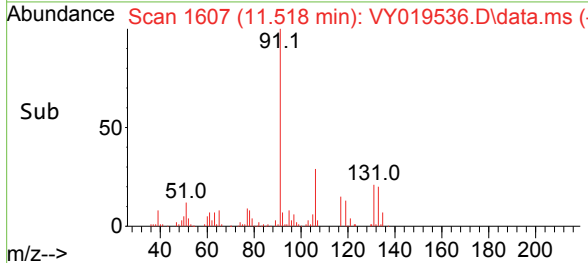
Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024

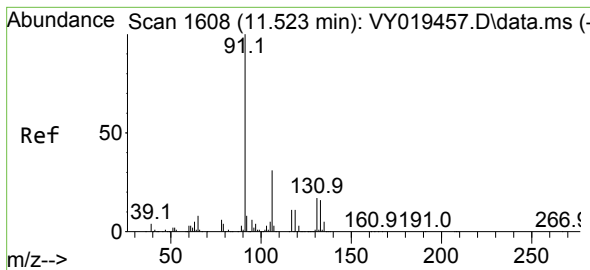


#66
1,1,1,2-Tetrachloroethane
Concen: 2.684 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55



Tgt Ion:131 Resp: 11643
Ion Ratio Lower Upper
131 100
133 93.7 47.8 143.3
119 68.1 34.1 102.2





#67

Ethyl Benzene

Concen: 2.471 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion: 91 Resp: 5500

Ion Ratio Lower Upper

91 100

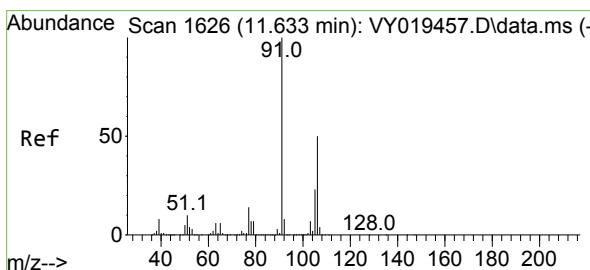
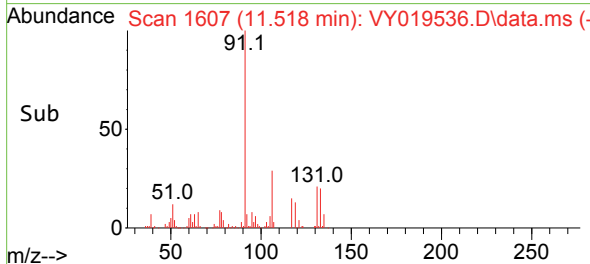
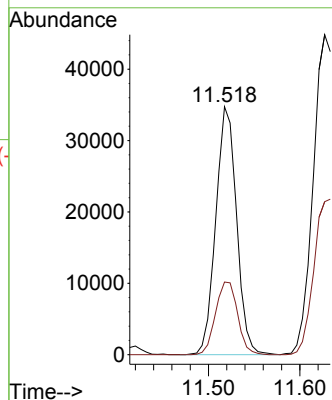
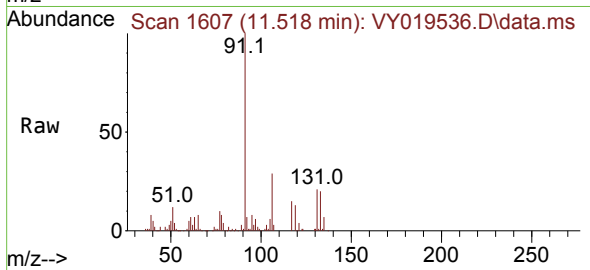
106 29.3 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/16/2024

Supervised By :Mahesh Dadoda 09/16/2024



#68

m/p-Xylenes

Concen: 4.896 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.000 min

Lab File: VY019536.D

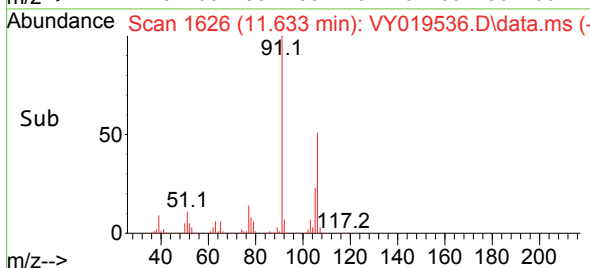
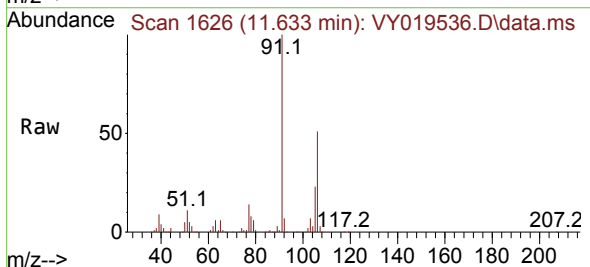
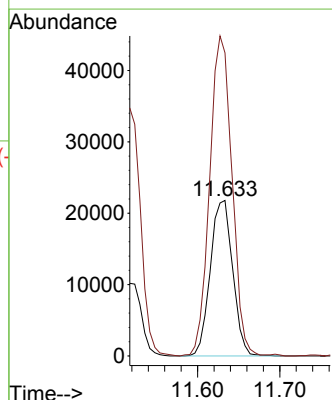
Acq: 13 Sep 2024 12:55

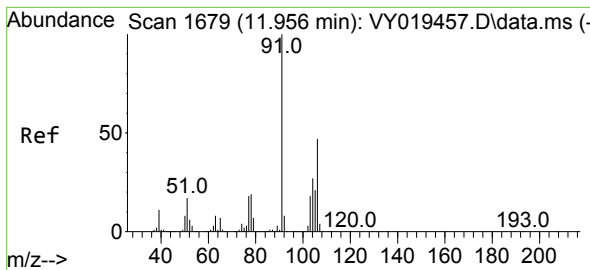
Tgt Ion:106 Resp: 41210

Ion Ratio Lower Upper

106 100

91 205.2 156.0 234.0





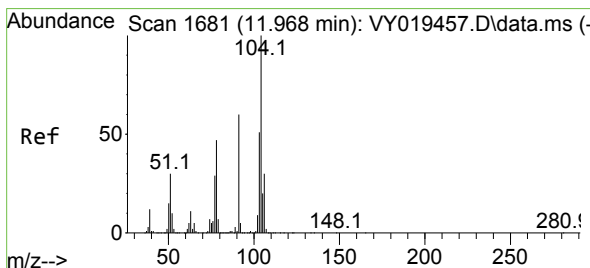
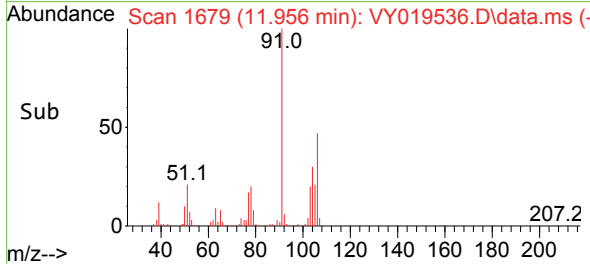
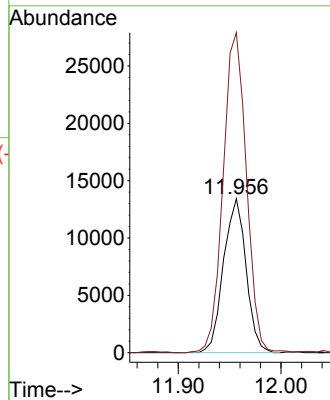
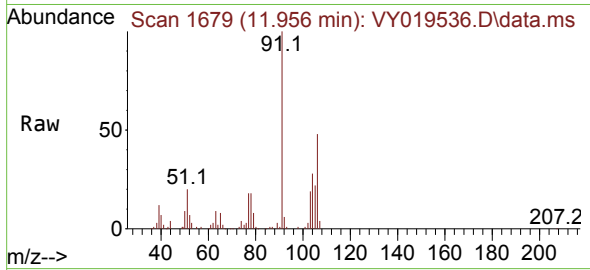
#69
o-Xylene
Concen: 2.488 ug/l
RT: 11.956 min Scan# 106
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT3-2024

Tgt Ion:106 Resp: 20478
Ion Ratio Lower Upper
106 100
91 214.5 103.6 310.8

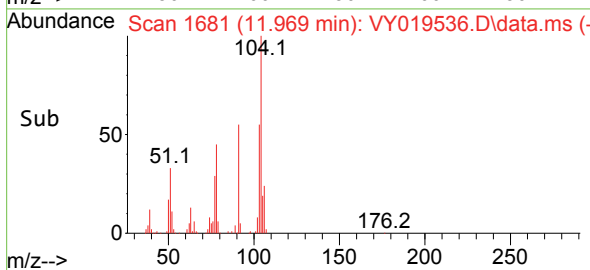
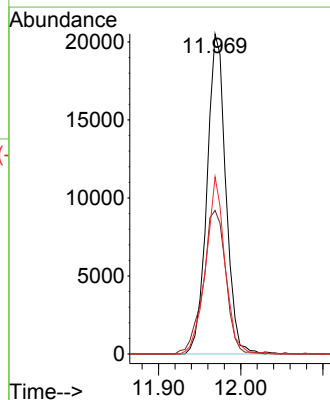
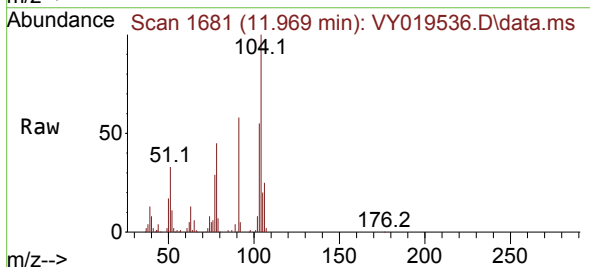
Manual Integrations
APPROVED

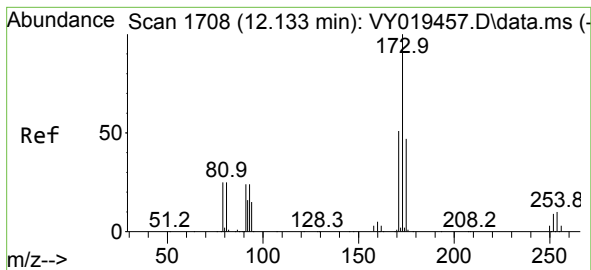
Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#70
Styrene
Concen: 2.346 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion:104 Resp: 32601
Ion Ratio Lower Upper
104 100
78 53.9 37.0 55.4
103 56.3 44.2 66.2





#71

Bromoform

Concen: 2.793 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

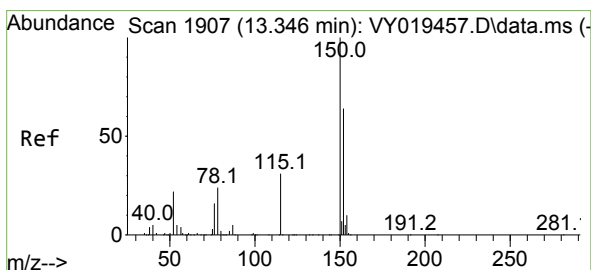
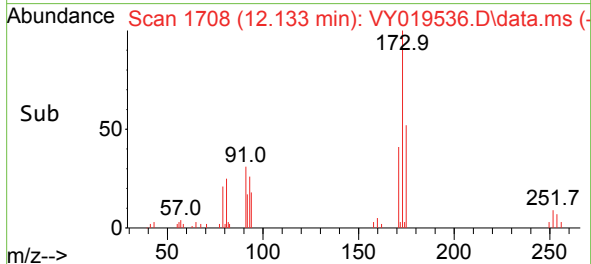
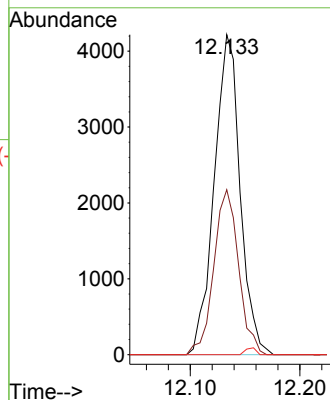
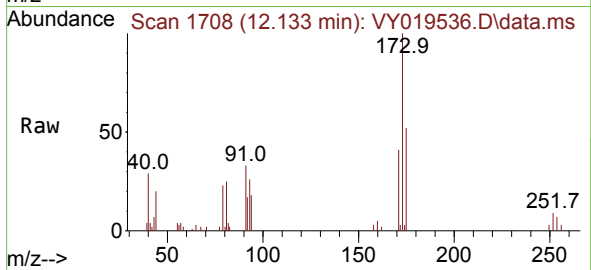
Tgt Ion:	173	Resp:	6918
Ion Ratio	Lower	Upper	
173	100		
175	49.5	25.1	75.3
254	0.0	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/16/2024

Supervised By :Mahesh Dadoda 09/16/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

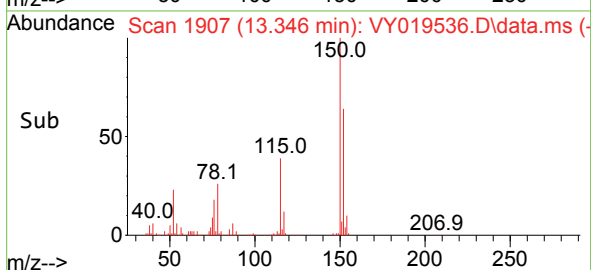
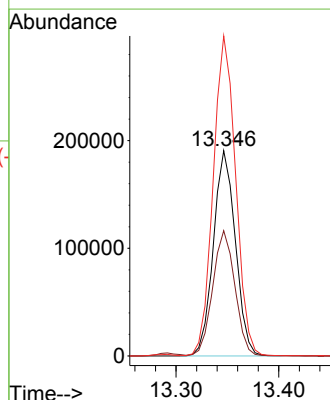
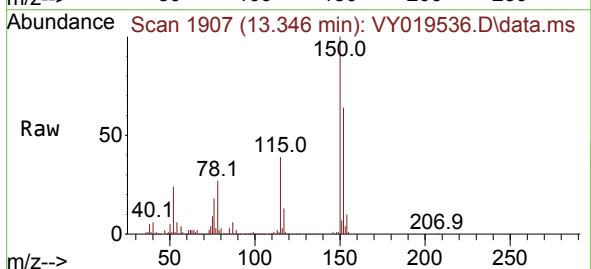
RT: 13.346 min Scan# 1907

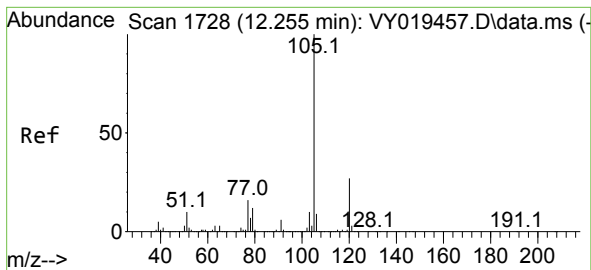
Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Tgt Ion:	152	Resp:	283469
Ion Ratio	Lower	Upper	
152	100		
115	61.3	28.2	84.7
150	158.6	0.0	345.6





#73

Isopropylbenzene

Concen: 2.677 ug/l

RT: 12.255 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

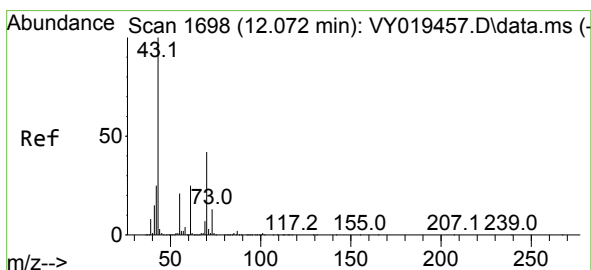
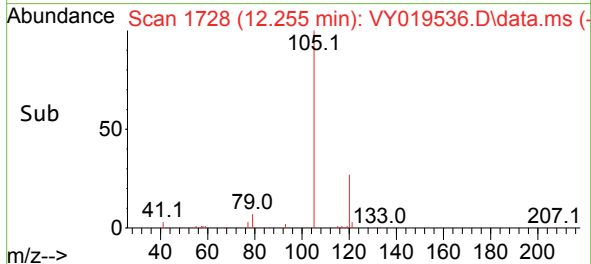
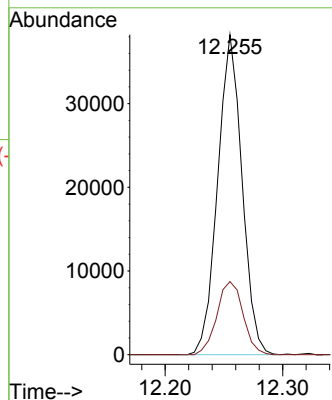
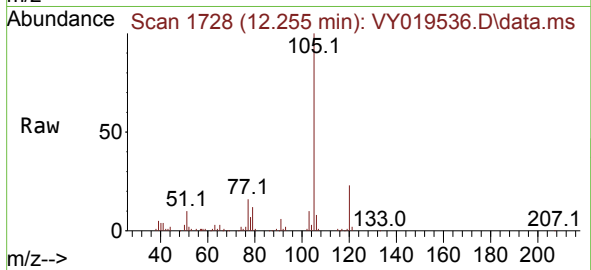
MDL-SOIL-03-QT3-2024

Tgt Ion:105 Resp: 5505
 Ion Ratio Lower Upper
 105 100
 120 24.5 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/16/2024
 Supervised By :Mahesh Dadoda 09/16/2024



#74

N-ethyl acetate

Concen: 2.612 ug/l

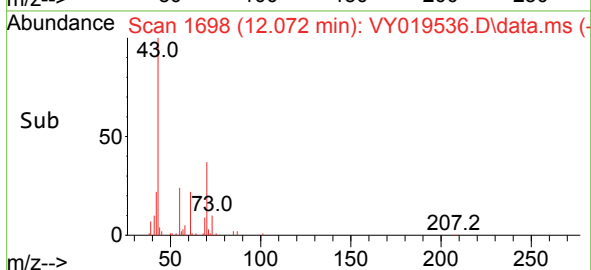
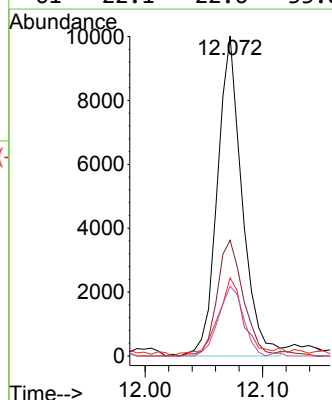
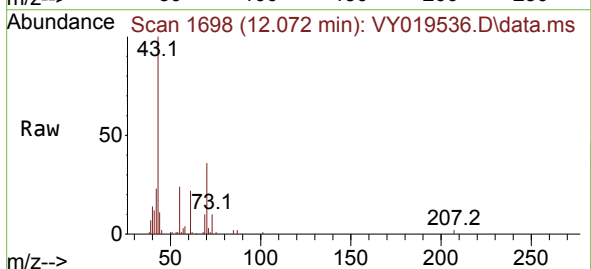
RT: 12.072 min Scan# 1698

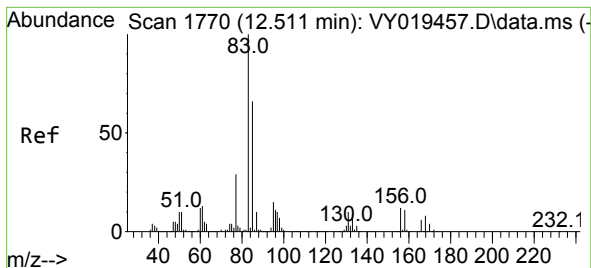
Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Tgt Ion: 43 Resp: 14608
 Ion Ratio Lower Upper
 43 100
 70 38.3 41.4 62.2#
 55 25.9 23.3 34.9
 61 22.1 22.6 33.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 2.768 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

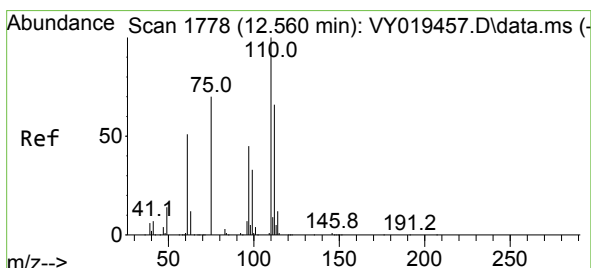
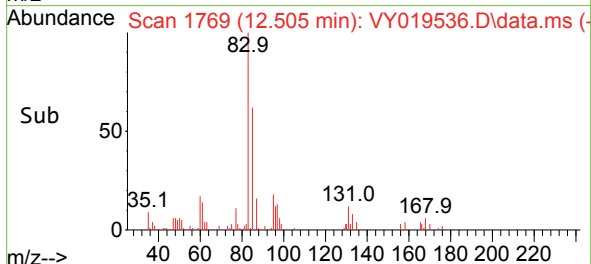
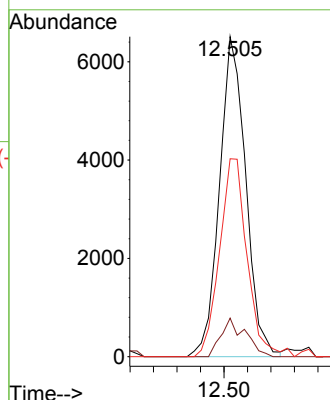
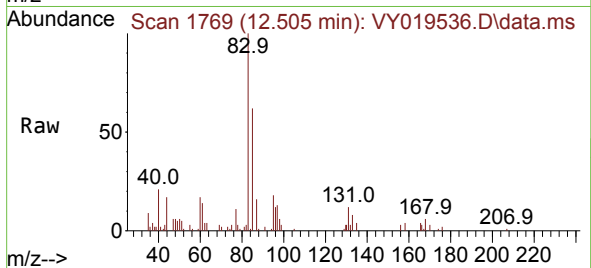
MDL-SOIL-03-QT3-2024

Tgt Ion: 83	Resp: 1010
Ion Ratio	Lower Upper
83	100
131	11.2 5.0 14.9
85	65.0 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#76

1,2,3-Trichloropropane

Concen: 2.326 ug/l m

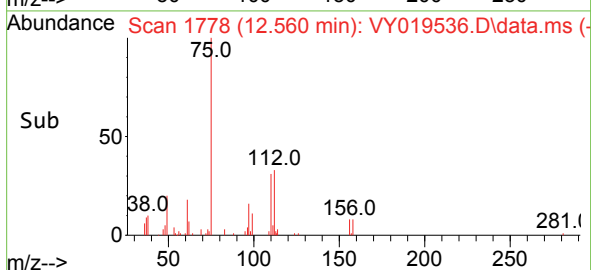
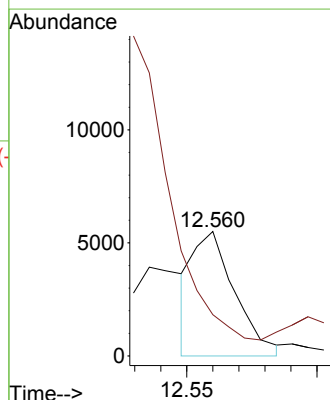
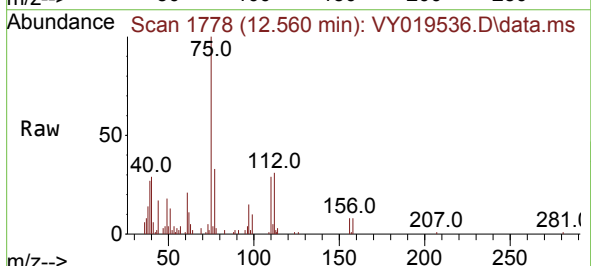
RT: 12.560 min Scan# 1778

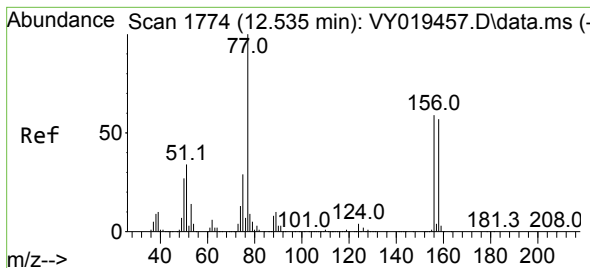
Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Tgt Ion: 75	Resp: 6180
Ion Ratio	Lower Upper
75	100
77	0.0 0.0 0.0





#77

Bromobenzene

Concen: 2.654 ug/l

RT: 12.530 min Scan# 1774

Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

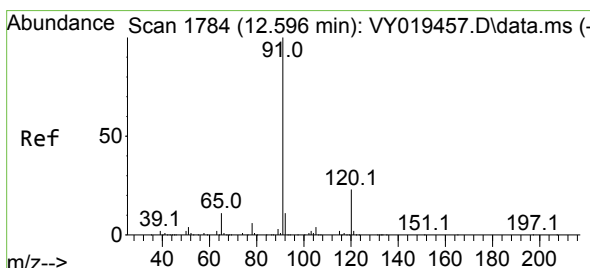
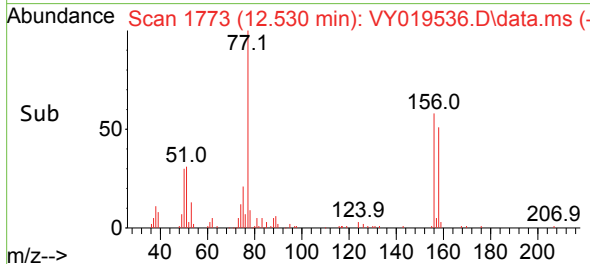
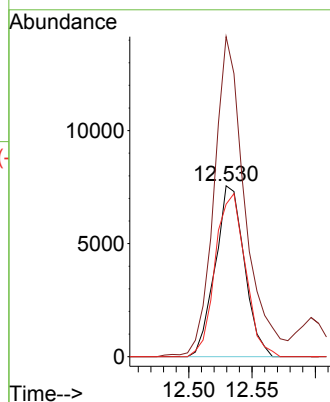
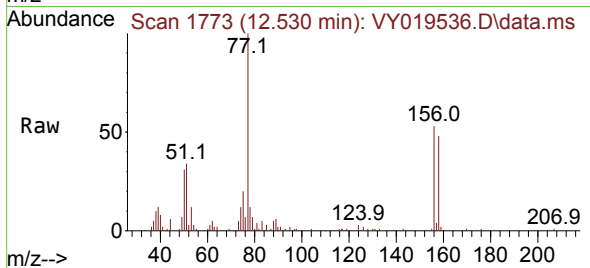
MDL-SOIL-03-QT3-2024

Tgt Ion:	156	Resp:	1210
Ion Ratio	Lower	Upper	
156	100		
77	199.3	87.1	261.3
158	98.6	48.6	145.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#78

n-propylbenzene

Concen: 2.641 ug/l

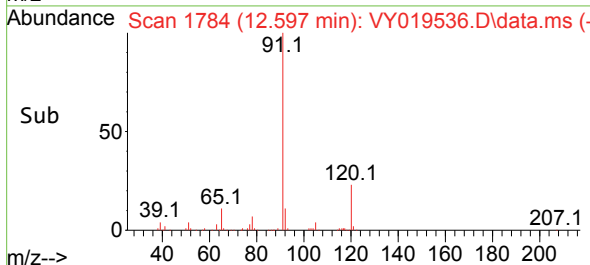
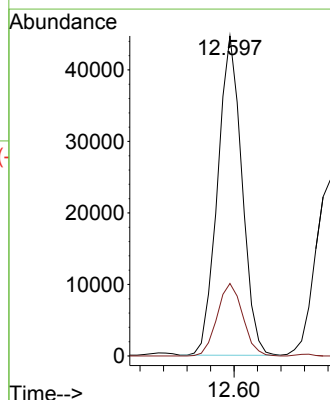
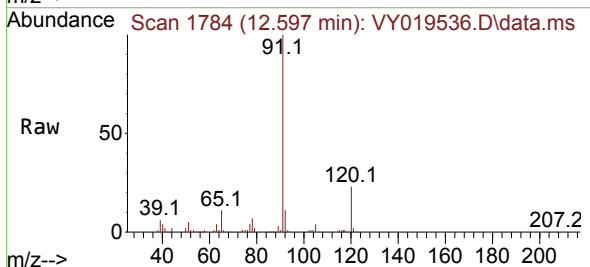
RT: 12.597 min Scan# 1784

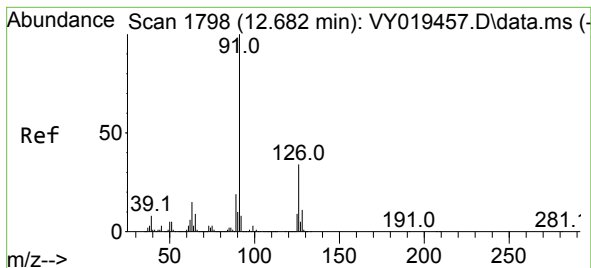
Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

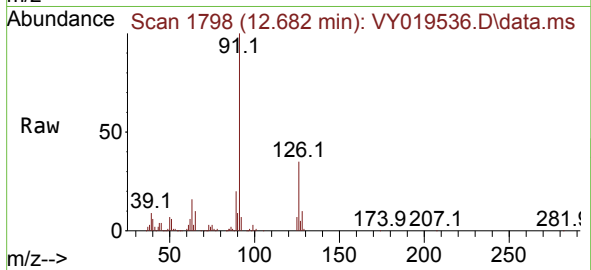
Tgt Ion:	91	Resp:	64367
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.5	34.4





#79
2-Chlorotoluene
Concen: 2.736 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

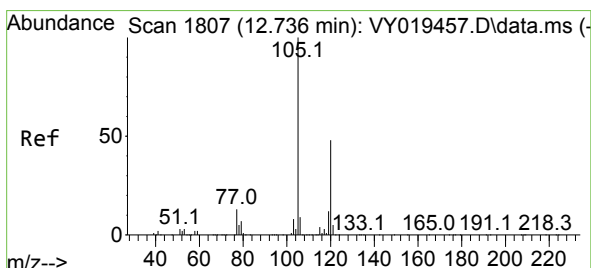
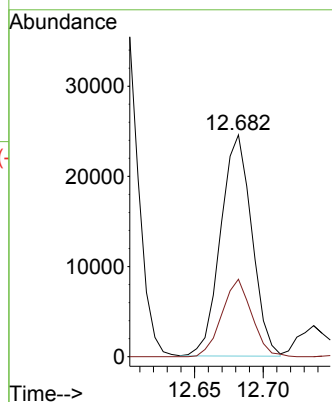
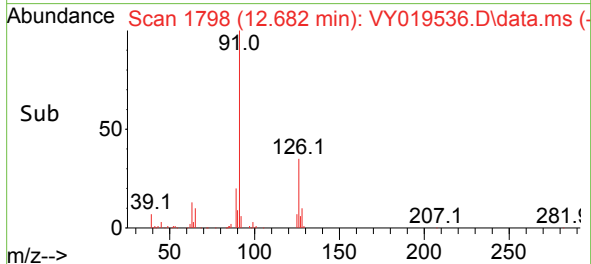
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024



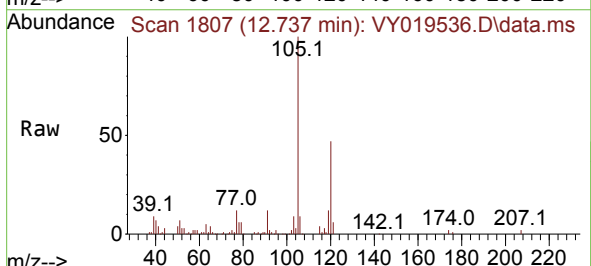
Tgt Ion: 91 Resp: 38872
Ion Ratio Lower Upper
91 100
126 33.6 17.8 53.5

Manual Integrations
APPROVED

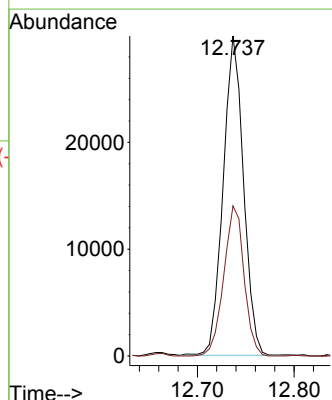
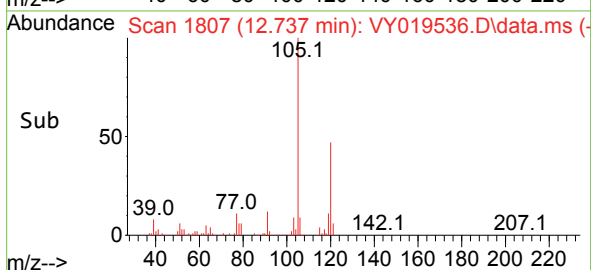
Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024

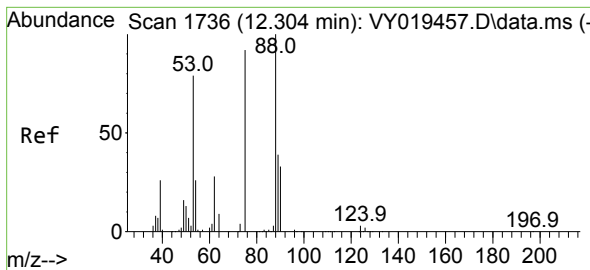


#80
1,3,5-Trimethylbenzene
Concen: 2.607 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55



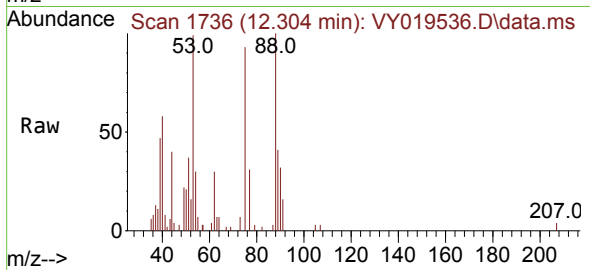
Tgt Ion:105 Resp: 43588
Ion Ratio Lower Upper
105 100
120 46.9 25.1 75.2





#81
trans-1,4-Dichloro-2-butene
Concen: 2.381 ug/l m
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

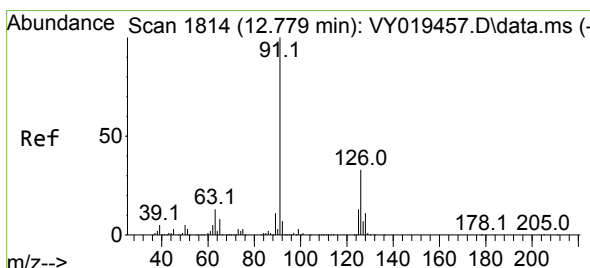
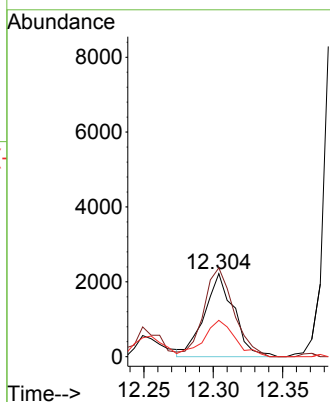
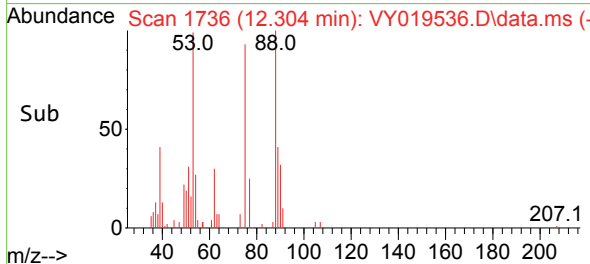
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT3-2024



Tgt Ion: 75 Resp: 329
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2
89 1.8 35.8 53.6

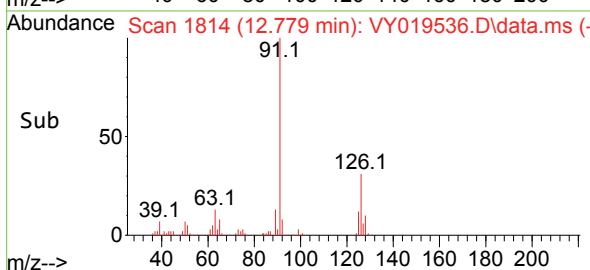
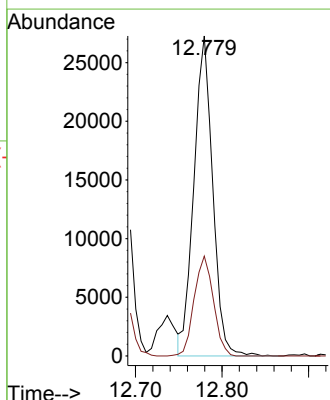
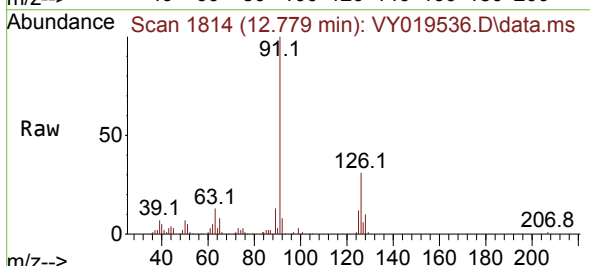
Manual Integrations
APPROVED

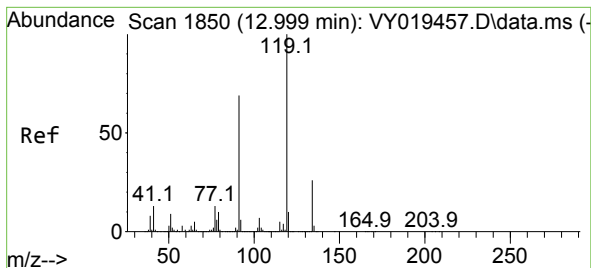
Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#82
4-Chlorotoluene
Concen: 2.814 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion: 91 Resp: 41094
Ion Ratio Lower Upper
91 100
126 31.9 17.6 52.9





#83

tert-Butylbenzene

Concen: 2.722 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY019536.D

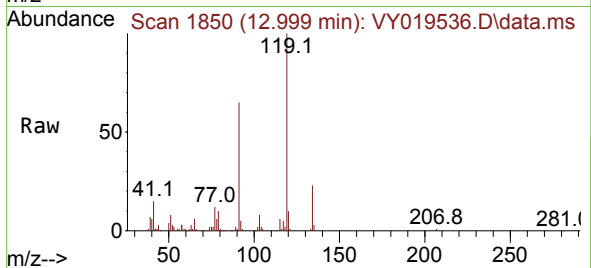
Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

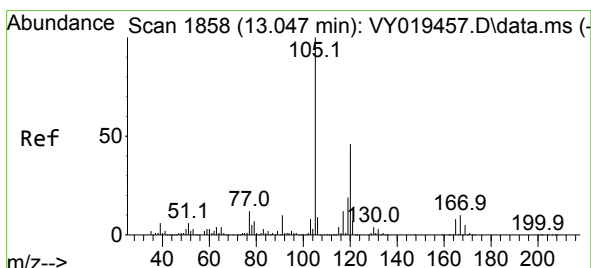
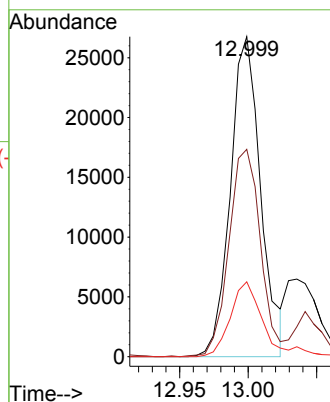
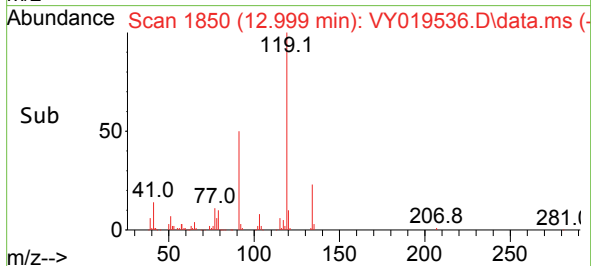


Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.4	31.3	93.8
134	25.6	13.4	40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#84

1,2,4-Trimethylbenzene

Concen: 2.592 ug/l

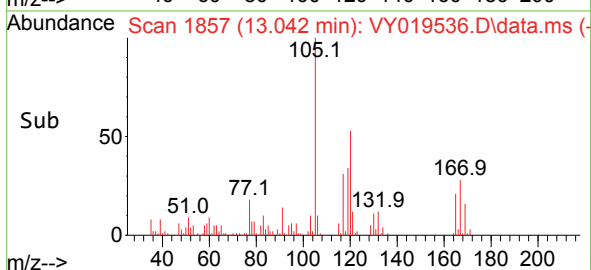
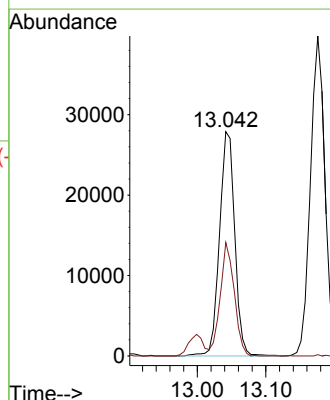
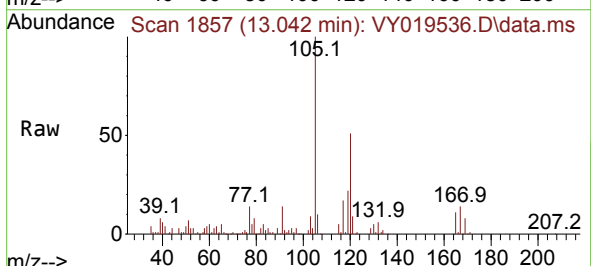
RT: 13.042 min Scan# 1857

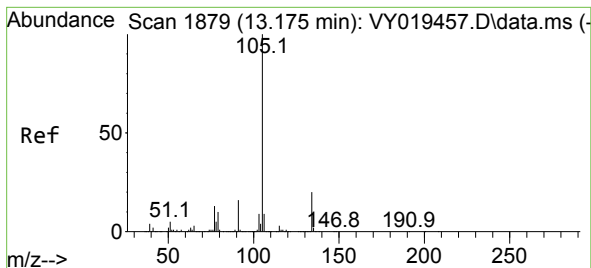
Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.2	69.6





#85

sec-Butylbenzene

Concen: 2.651 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion:105 Resp: 58279

Ion Ratio Lower Upper

105 100

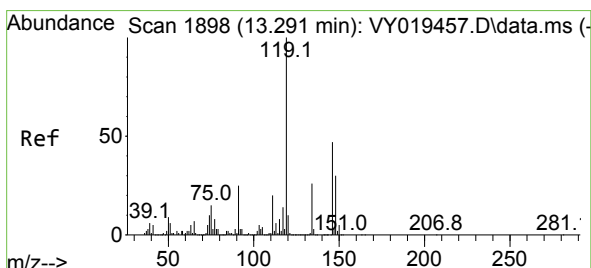
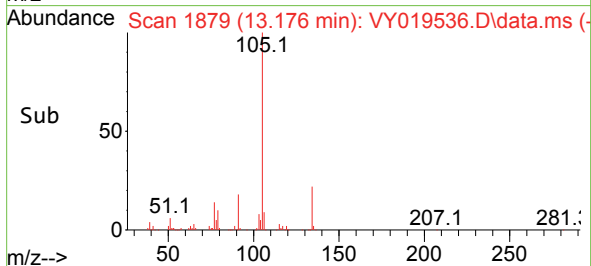
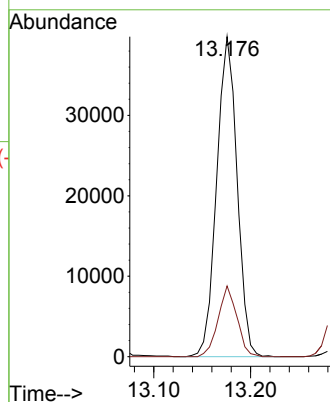
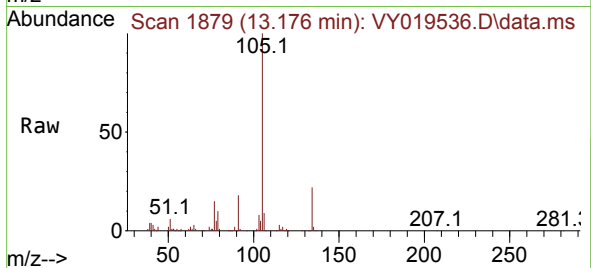
134 20.4 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/16/2024

Supervised By :Mahesh Dadoda 09/16/2024



#86

p-Isopropyltoluene

Concen: 2.587 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

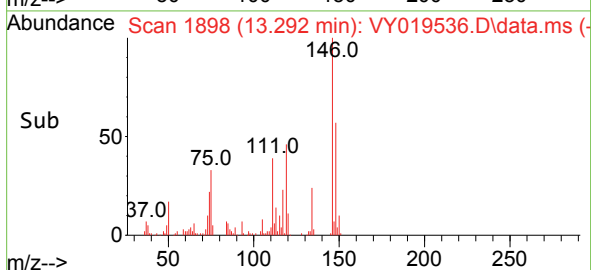
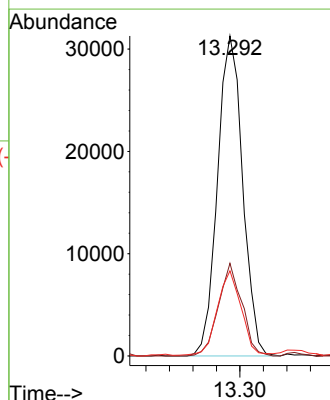
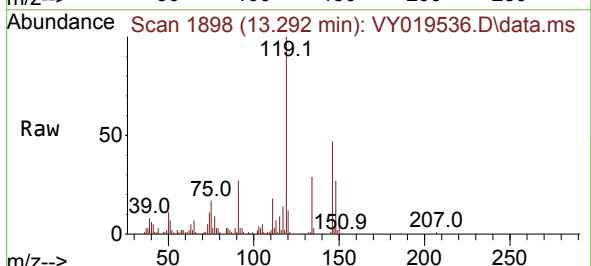
Tgt Ion:119 Resp: 46544

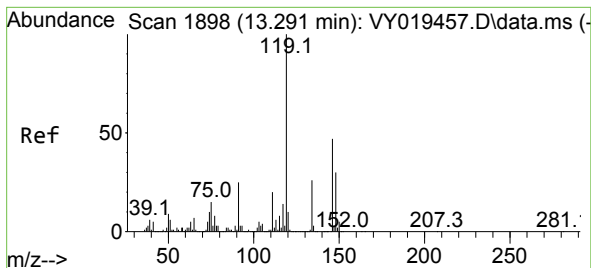
Ion Ratio Lower Upper

119 100

134 27.0 13.1 39.3

91 25.2 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 2.742 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

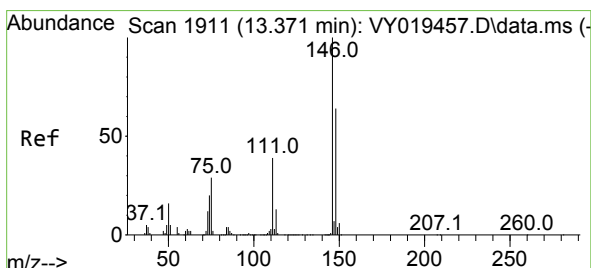
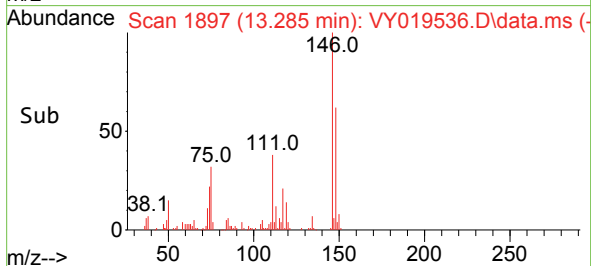
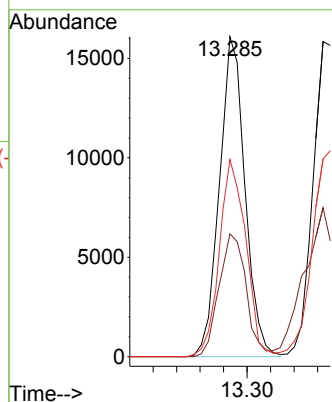
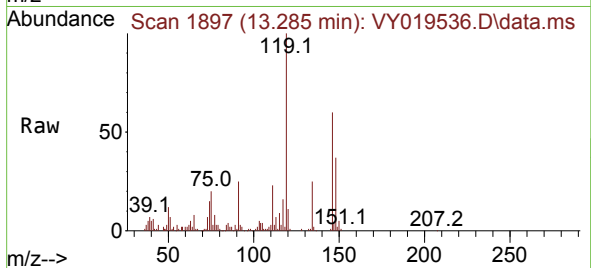
MDL-SOIL-03-QT3-2024

Tgt Ion:146	Resp:	24300
Ion Ratio	Lower	Upper
146	100	
111	40.4	19.0 57.0
148	63.8	31.7 95.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#88

1,4-Dichlorobenzene

Concen: 2.785 ug/l m

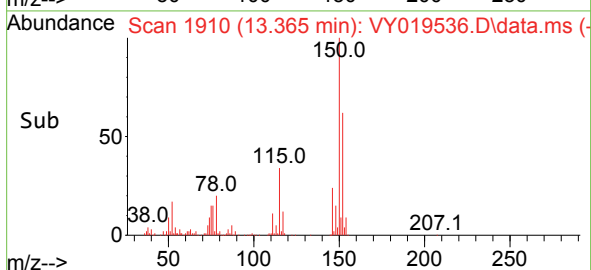
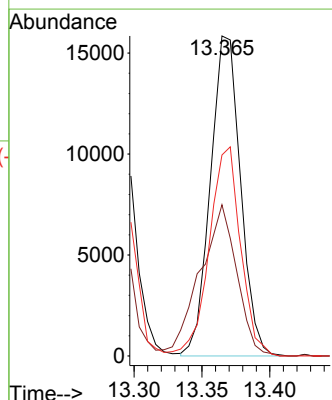
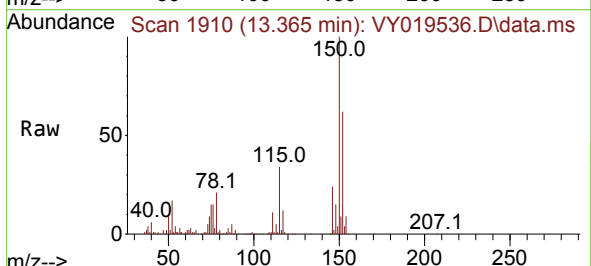
RT: 13.365 min Scan# 1910

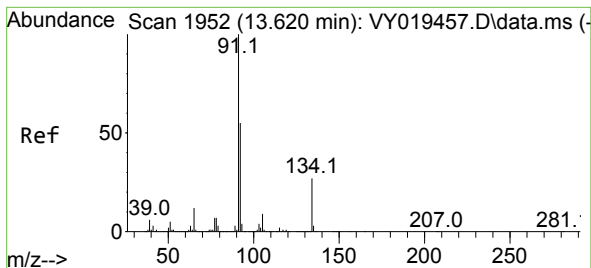
Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Tgt Ion:146	Resp:	24498
Ion Ratio	Lower	Upper
146	100	
111	40.1	18.4 55.4
148	63.3	32.4 97.2





#89

n-Butylbenzene

Concen: 2.553 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

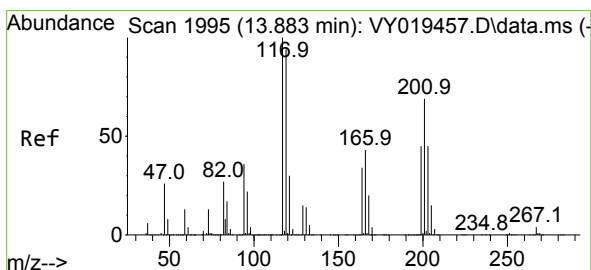
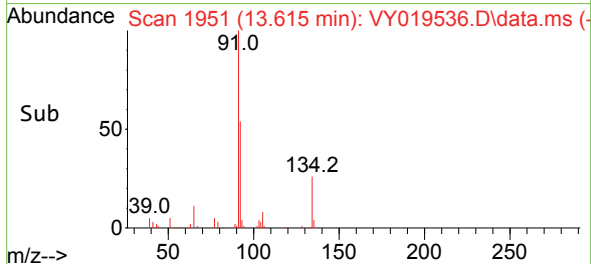
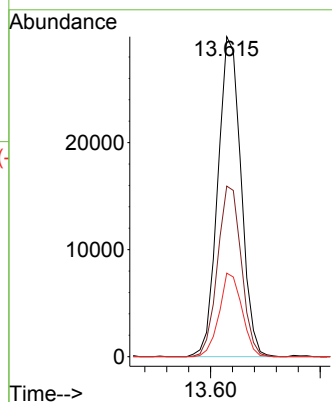
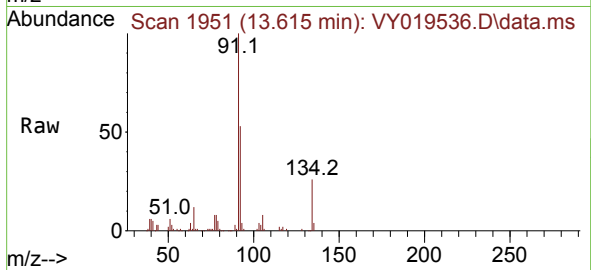
MDL-SOIL-03-QT3-2024

Tgt Ion: 91	Resp: 4390
Ion Ratio	Lower Upper
91 100	
92 54.6	26.6 79.7
134 25.7	12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#90

Hexachloroethane

Concen: 2.835 ug/l

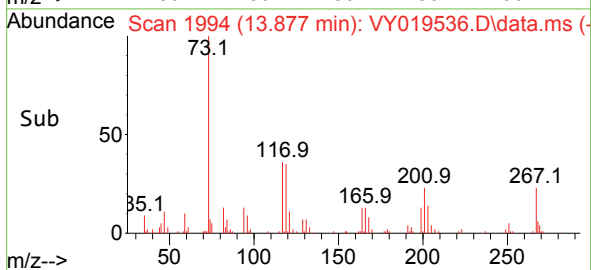
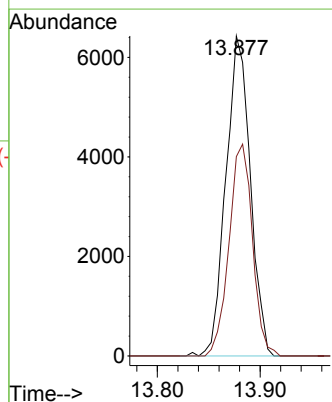
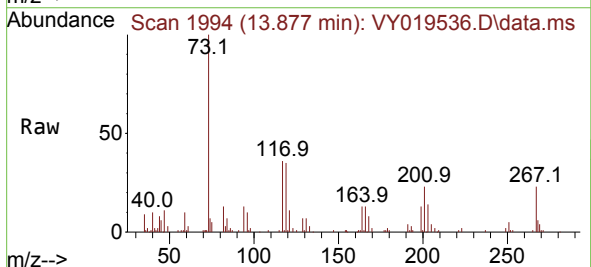
RT: 13.877 min Scan# 1994

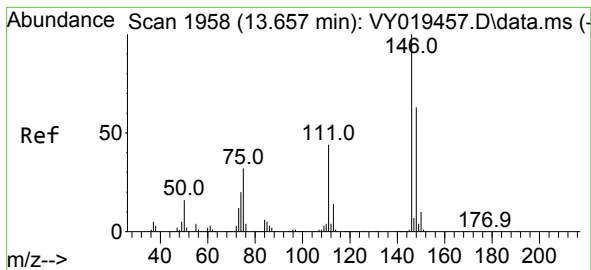
Delta R.T. -0.006 min

Lab File: VY019536.D

Acq: 13 Sep 2024 12:55

Tgt Ion:117	Resp: 10610
Ion Ratio	Lower Upper
117 100	
201 63.7	37.4 112.2





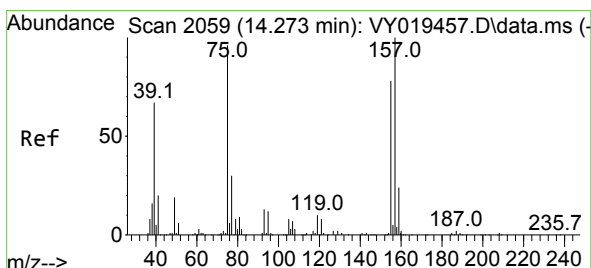
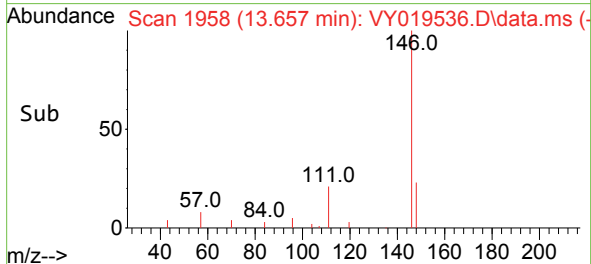
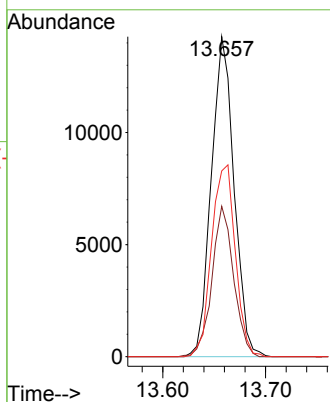
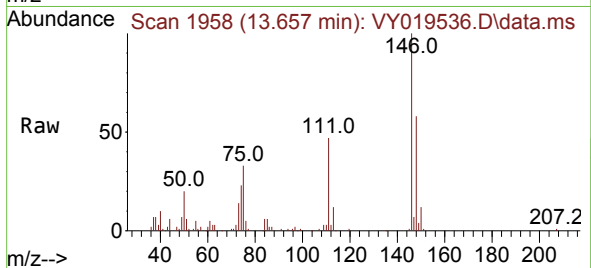
#91
1,2-Dichlorobenzene
Concen: 2.774 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2024

Tgt Ion:146 Resp: 21939
Ion Ratio Lower Upper
146 100
111 44.8 19.9 59.7
148 62.7 31.8 95.4

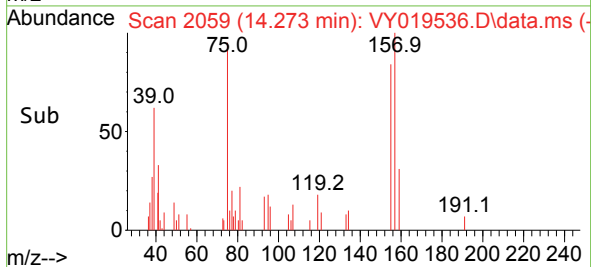
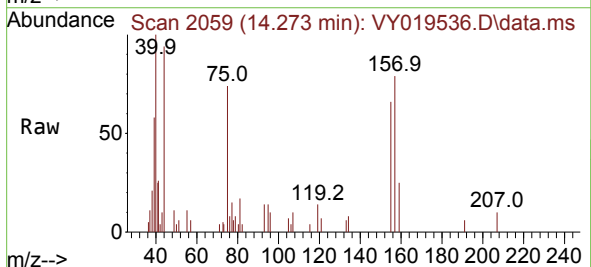
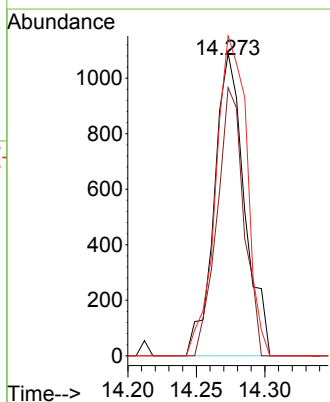
Manual Integrations
APPROVED

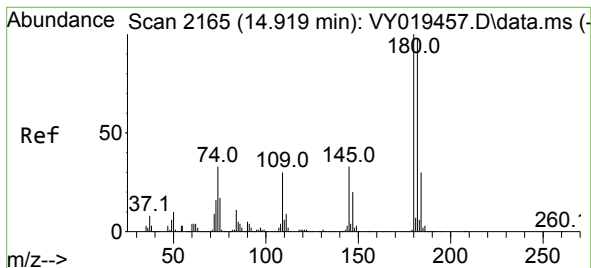
Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.744 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion: 75 Resp: 1669
Ion Ratio Lower Upper
75 100
155 78.7 48.6 145.8
157 108.9 62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 2.476 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY019536.D

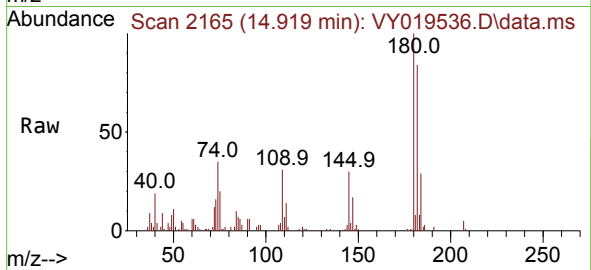
Acq: 13 Sep 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2024

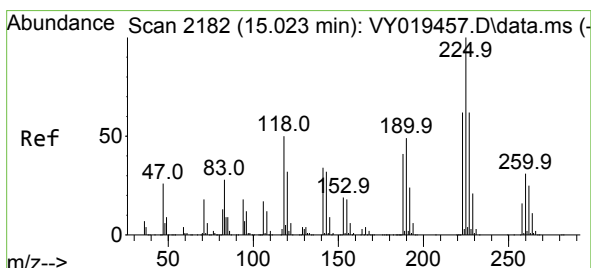
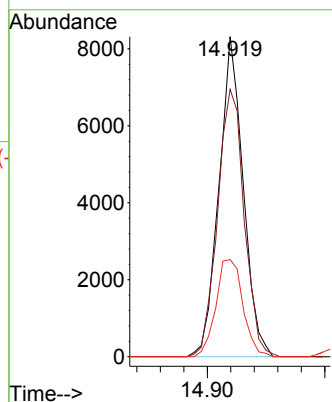
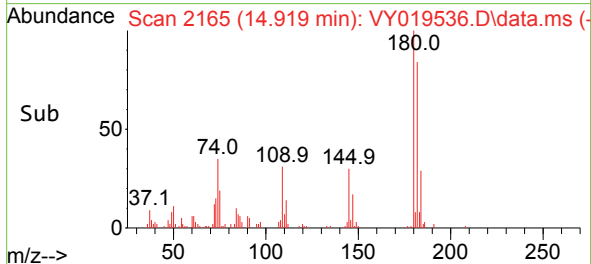


Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.4	47.9	143.8
145	33.8	14.2	42.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#94

Hexachlorobutadiene

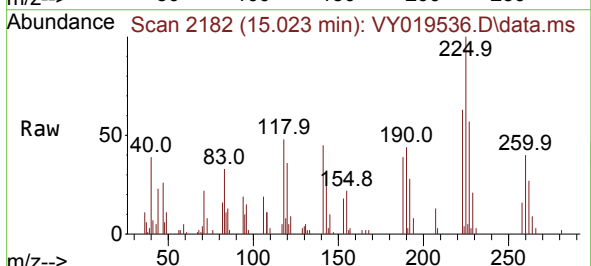
Concen: 2.570 ug/l

RT: 15.023 min Scan# 2182

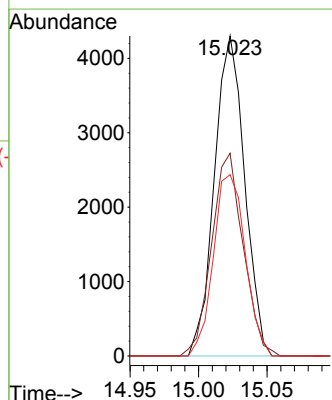
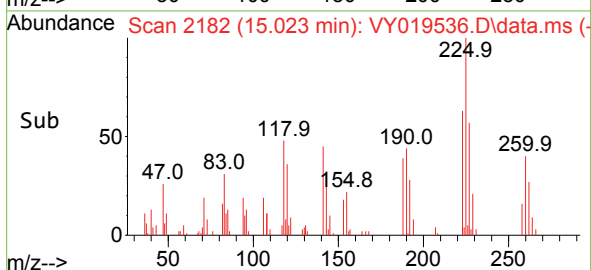
Delta R.T. 0.000 min

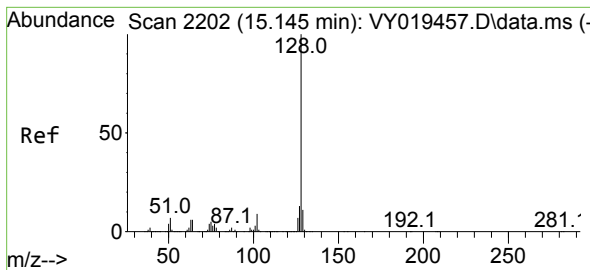
Lab File: VY019536.D

Acq: 13 Sep 2024 12:55



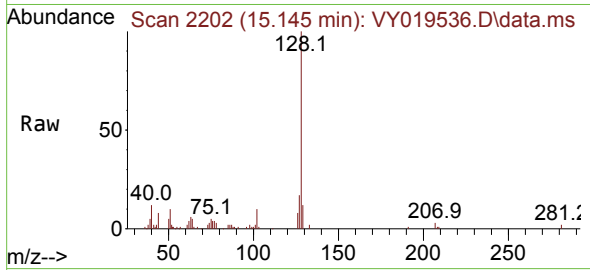
Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.1	30.4	91.2
227	60.0	31.9	95.9





#95
Naphthalene
Concen: 2.451 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

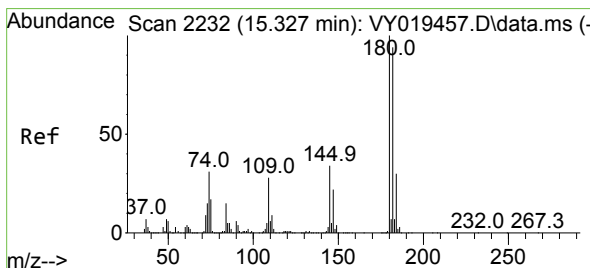
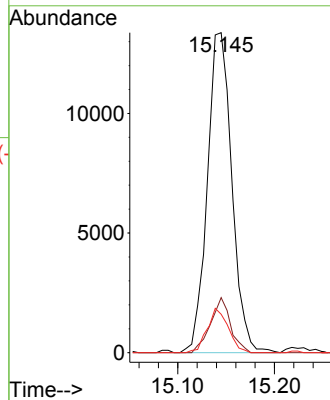
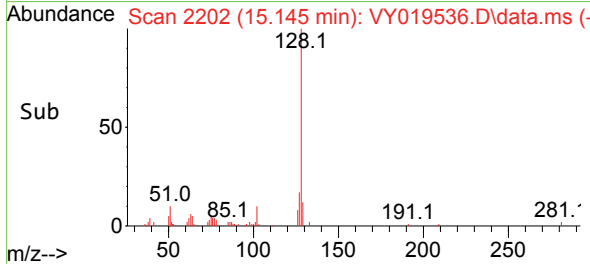
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT3-2024



Tgt Ion:128 Resp: 23612
Ion Ratio Lower Upper
128 100
127 14.1 10.6 16.0
129 11.9 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#96
1,2,3-Trichlorobenzene
Concen: 2.479 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY019536.D
Acq: 13 Sep 2024 12:55

Tgt Ion:180 Resp: 10201
Ion Ratio Lower Upper
180 100
182 96.8 47.6 142.9
145 37.6 15.4 46.1

