

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041423\
 Data File : VY013314.D
 Acq On : 14 Apr 2023 13:23
 Operator : KP/MD
 Sample : 02213-03 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2023

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/17/2023
 Supervised By : Mahesh Dadoda 04/17/2023

Quant Time: Apr 17 04:14:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 17 04:14:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	267349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	428034	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	383366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	190541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	161516	50.271	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.540%			
35) Dibromofluoromethane	7.716	113	144067	51.990	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.980%			
50) Toluene-d8	10.179	98	516330	50.059	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.120%			
62) 4-Bromofluorobenzene	12.477	95	166383	49.648	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	6571	2.731	ug/l	96
3) Chloromethane	2.107	50	8474	2.811	ug/l	97
4) Vinyl Chloride	2.247	62	7008	2.452	ug/l	98
5) Bromomethane	2.649	94	5735	2.617	ug/l	94
6) Chloroethane	2.790	64	4451	2.309	ug/l	92
7) Trichlorofluoromethane	3.119	101	12777	2.872	ug/l	96
8) Diethyl Ether	3.521	74	4766	2.949	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.887	101	7388	2.826	ug/l	93
10) Methyl Iodide	4.082	142	7917	2.469	ug/l	89
11) Tert butyl alcohol	4.911	59	14263	27.778	ug/l #	74
12) 1,1-Dichloroethene	3.863	96	7378	2.933	ug/l	84
13) Acrolein	3.729	56	6188	15.678	ug/l	89
14) Allyl chloride	4.472	41	13076	2.721	ug/l	99
15) Acrylonitrile	5.155	53	12565	13.529	ug/l	94
16) Acetone	3.948	43	17194	15.565	ug/l	90
17) Carbon Disulfide	4.186	76	21894	2.643	ug/l	99
18) Methyl Acetate	4.478	43	10295	2.881	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	19482	2.585	ug/l	98
20) Methylene Chloride	4.704	84	21711	6.331	ug/l	97
21) trans-1,2-Dichloroethene	5.210	96	7983	2.780	ug/l	96
22) Diisopropyl ether	6.112	45	22462	2.372	ug/l #	88
23) Vinyl Acetate	6.051	43	69237	11.564	ug/l	100
24) 1,1-Dichloroethane	6.009	63	14341	2.711	ug/l	98
25) 2-Butanone	6.984	43	20783	14.693	ug/l	95
26) 2,2-Dichloropropane	6.972	77	15110	3.183	ug/l	86
27) cis-1,2-Dichloroethene	6.972	96	8603	2.755	ug/l	88
28) Bromochloromethane	7.325	49	5394	2.558	ug/l #	93
29) Tetrahydrofuran	7.344	42	11264	13.112	ug/l	99
30) Chloroform	7.502	83	14843	2.772	ug/l	100
31) Cyclohexane	7.777	56	16751	3.448	ug/l #	64
32) 1,1,1-Trichloroethane	7.697	97	12552	2.592	ug/l	95
36) 1,1-Dichloropropene	7.905	75	10556	2.515	ug/l	98
37) Ethyl Acetate	7.076	43	8085	2.389	ug/l	97
38) Carbon Tetrachloride	7.886	117	12235	2.636	ug/l #	86
39) Methylcyclohexane	9.179	83	11883	2.435	ug/l	92
40) Benzene	8.155	78	31236	2.571	ug/l	94

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Manual Integrations
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 Supervised By : Mahesh Dadoda 04/17/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	3357	2.391	ug/l #	100
42) 1,2-Dichloroethane	8.228	62	11053	2.683	ug/l	97
43) Isopropyl Acetate	8.277	43	14048	2.499	ug/l #	86
44) Trichloroethene	8.941	130	8628	2.757	ug/l	94
45) 1,2-Dichloropropane	9.209	63	8085	2.564	ug/l	92
46) Dibromomethane	9.295	93	5460	2.877	ug/l	91
47) Bromodichloromethane	9.490	83	11500	2.650	ug/l	91
48) Methyl methacrylate	9.289	41	5576	2.160	ug/l	93
49) 1,4-Dioxane	9.319	88	1345	52.304	ug/l #	75
51) 4-Methyl-2-Pentanone	10.069	43	38571	12.609	ug/l	96
52) Toluene	10.240	92	19586	2.670	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	11590	2.551	ug/l	95
54) cis-1,3-Dichloropropene	9.923	75	12090	2.427	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	6612	2.642	ug/l	95
56) Ethyl methacrylate	10.508	69	8261	2.411	ug/l	93
57) 1,3-Dichloropropane	10.788	76	11210	2.634	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	17278	12.076	ug/l	100
59) 2-Hexanone	10.831	43	27558	12.390	ug/l	97
60) Dibromochloromethane	10.977	129	8399	2.677	ug/l	99
61) 1,2-Dibromoethane	11.081	107	6773	2.779	ug/l	97
64) Tetrachloroethene	10.715	164	7576	2.801	ug/l	96
65) Chlorobenzene	11.514	112	22304	2.781	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	8004	2.660	ug/l	98
67) Ethyl Benzene	11.593	91	33695	2.412	ug/l	96
68) m/p-Xylenes	11.697	106	24591	4.601	ug/l	97
69) o-Xylene	12.026	106	11821	2.388	ug/l	96
70) Styrene	12.038	104	19529	2.336	ug/l	98
71) Bromoform	12.203	173	5612	2.692	ug/l #	93
73) Isopropylbenzene	12.325	105	31066	2.377	ug/l	100
74) N-amyl acetate	12.142	43	10864	2.330	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	9139	2.831	ug/l	93
76) 1,2,3-Trichloropropane	12.623	75	8057m	3.393	ug/l	
77) Bromobenzene	12.605	156	8919	2.729	ug/l	99
78) n-propylbenzene	12.666	91	41453	2.568	ug/l	99
79) 2-Chlorotoluene	12.751	91	22852	2.515	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	27191	2.484	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	2833	2.476	ug/l	98
82) 4-Chlorotoluene	12.849	91	23855	2.490	ug/l	99
83) tert-Butylbenzene	13.068	119	22669	2.413	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	24858	2.333	ug/l	98
85) sec-Butylbenzene	13.251	105	34201	2.435	ug/l	99
86) p-Isopropyltoluene	13.367	119	27408	2.378	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	17315	2.748	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	18549	2.913	ug/l	88
89) n-Butylbenzene	13.696	91	26843	2.435	ug/l	97
90) Hexachloroethane	13.952	117	6590	2.742	ug/l	88
91) 1,2-Dichlorobenzene	13.733	146	15451	2.695	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1839	3.136	ug/l	88
93) 1,2,4-Trichlorobenzene	15.001	180	10012	2.938	ug/l	98
94) Hexachlorobutadiene	15.111	225	6378	3.161	ug/l	96
95) Naphthalene	15.233	128	19517	2.629	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	9430	3.038	ug/l	97

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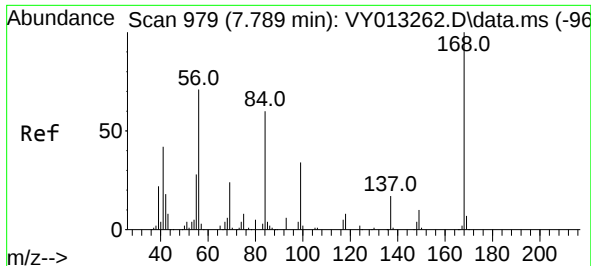
Manual Integrations
APPROVED

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

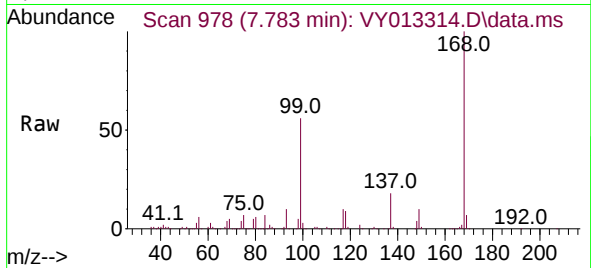
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013314.D
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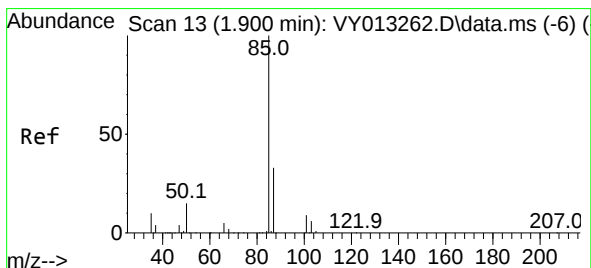
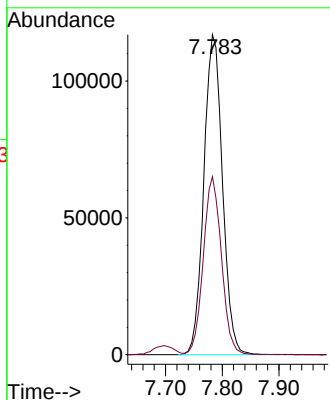
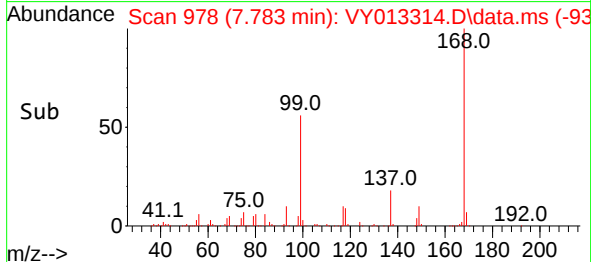
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:168 Resp: 267349
Ion Ratio Lower Upper
168 100
99 55.6 41.7 62.5

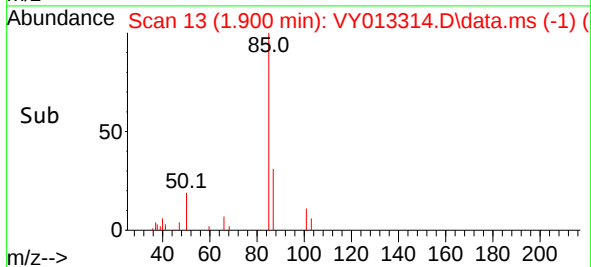
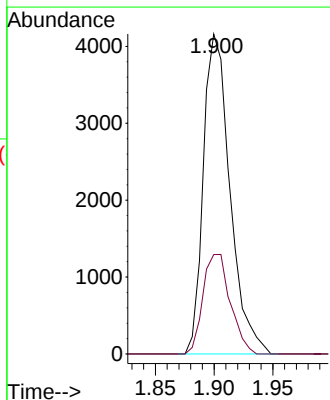
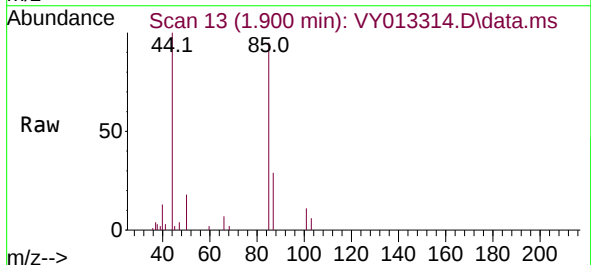
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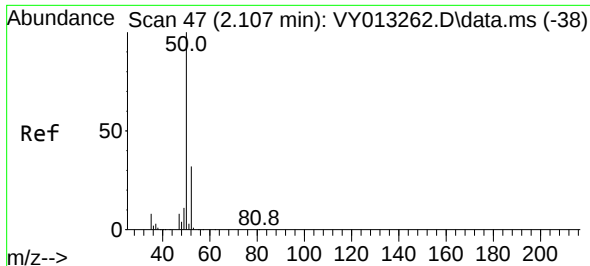
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#2
Dichlorodifluoromethane
Concen: 2.731 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

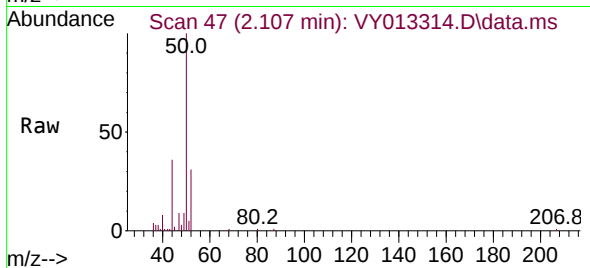
Tgt Ion: 85 Resp: 6571
Ion Ratio Lower Upper
85 100
87 31.1 16.7 50.0





#3
Chloromethane
Concen: 2.811 ug/l
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

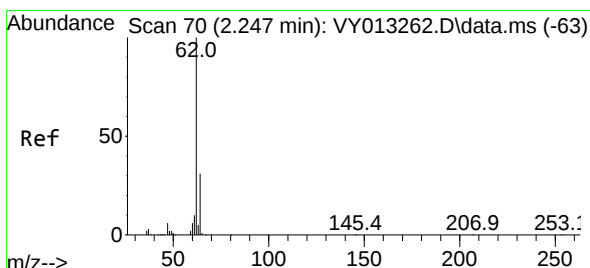
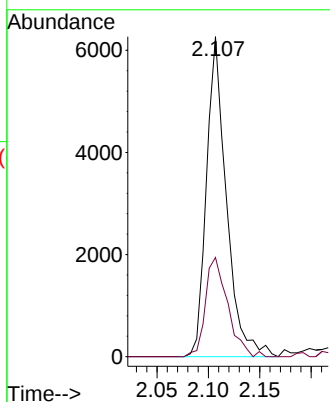
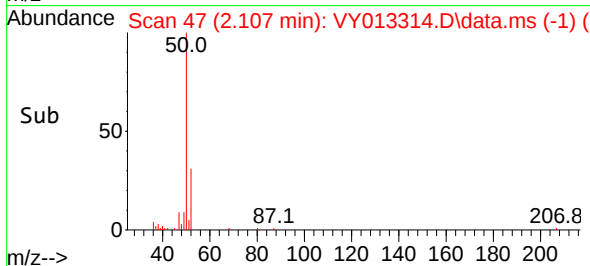
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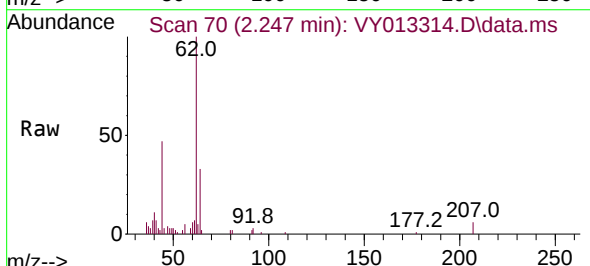
Tgt Ion: 50 Resp: 8474
Ion Ratio Lower Upper
50 100
52 31.0 26.0 39.0

Manual Integrations
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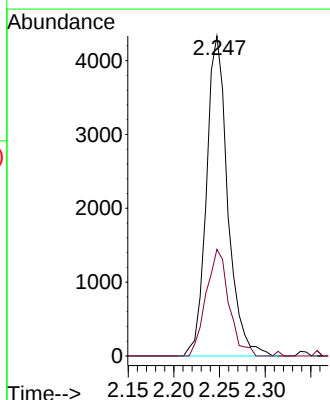
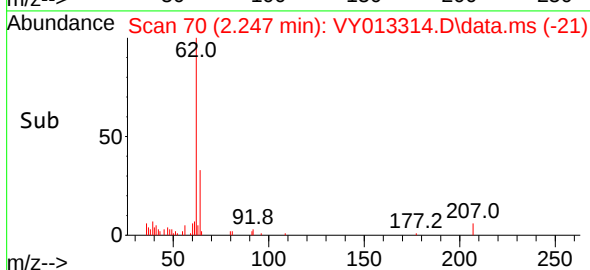
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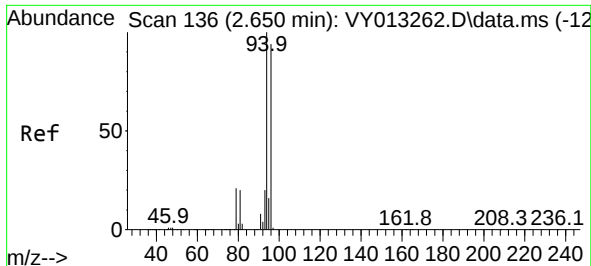


#4
Vinyl Chloride
Concen: 2.452 ug/l
RT: 2.247 min Scan# 70
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23



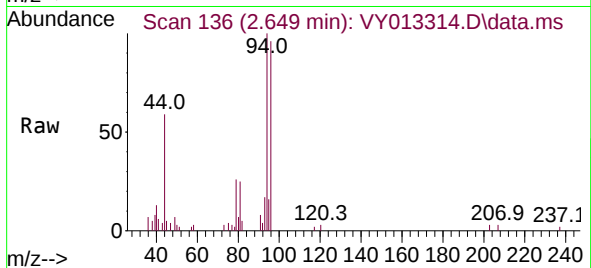
Tgt Ion: 62 Resp: 7008
Ion Ratio Lower Upper
62 100
64 33.3 25.6 38.4





#5
Bromomethane
Concen: 2.617 ug/l
RT: 2.649 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

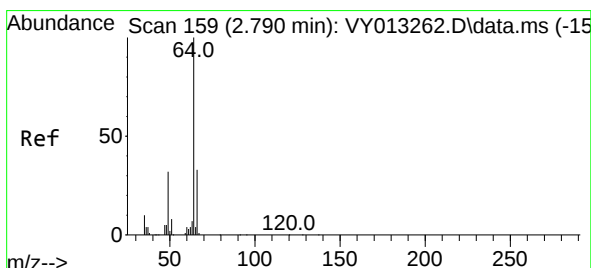
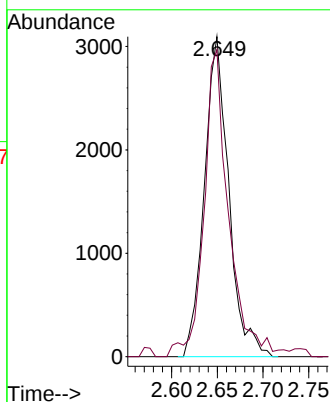
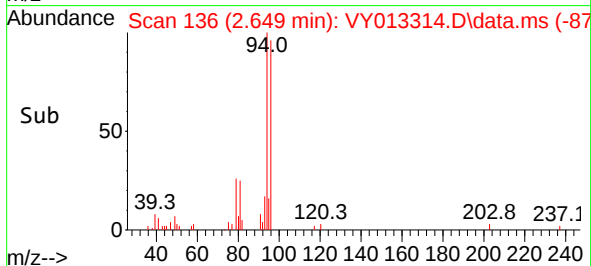
Instrument :
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Tgt Ion: 94 Resp: 573
Ion Ratio Lower Upper
94 100
96 93.9 80.3 120.5

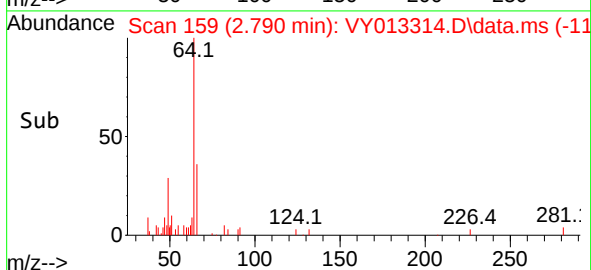
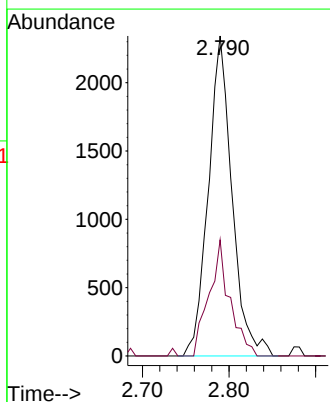
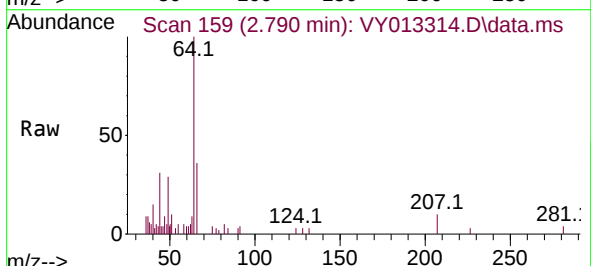
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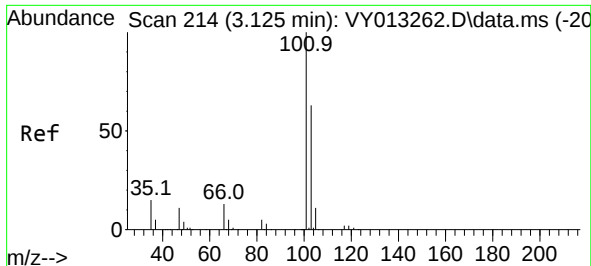
Reviewed By :John Carlone 04/17/2023
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#6
Chloroethane
Concen: 2.309 ug/l
RT: 2.790 min Scan# 159
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

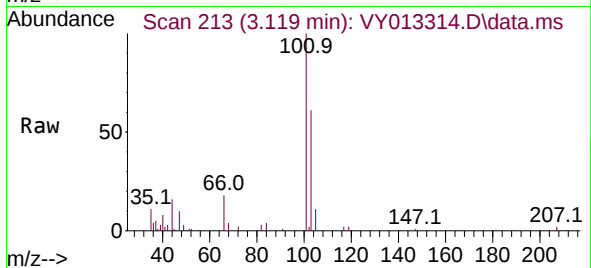
Tgt Ion: 64 Resp: 4451
Ion Ratio Lower Upper
64 100
66 36.3 25.7 38.5





#7
 Trichlorofluoromethane
 Concen: 2.872 ug/l
 RT: 3.119 min Scan# 214
 Delta R.T. -0.006 min
 Lab File: VY013314.D
 Acq: 14 Apr 2023 13:23

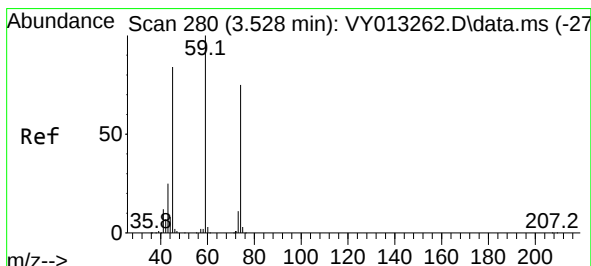
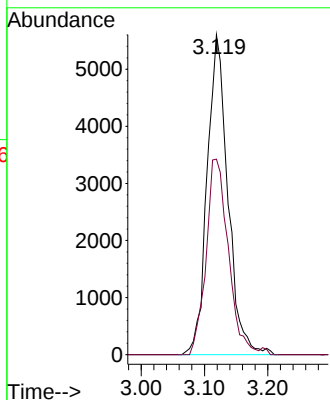
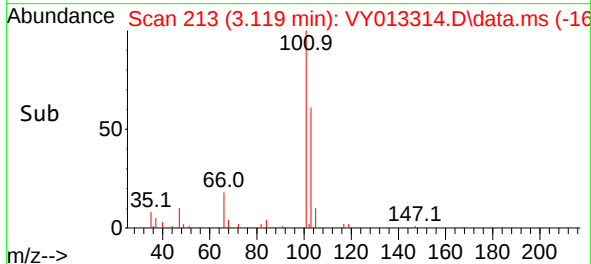
Instrument : MSVOA_Y
 ClientSampleId : MDL-SOIL-03-QT2-2023



Tgt Ion: 101 Resp: 1277
 Ion Ratio Lower Upper
 101 100
 103 61.1 51.5 77.3

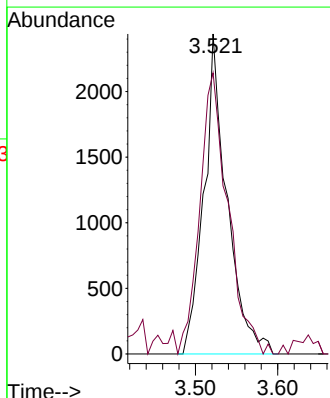
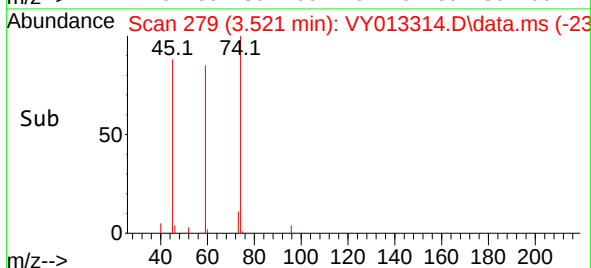
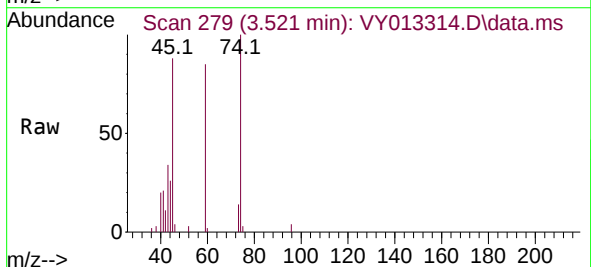
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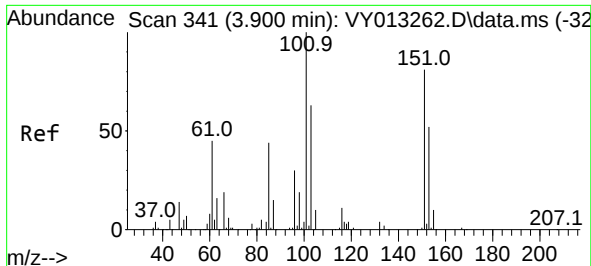
Reviewed By : John Carlone 04/17/2023
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#8
 Diethyl Ether
 Concen: 2.949 ug/l
 RT: 3.521 min Scan# 279
 Delta R.T. -0.006 min
 Lab File: VY013314.D
 Acq: 14 Apr 2023 13:23

Tgt Ion: 74 Resp: 4766
 Ion Ratio Lower Upper
 74 100
 45 107.0 52.1 156.4





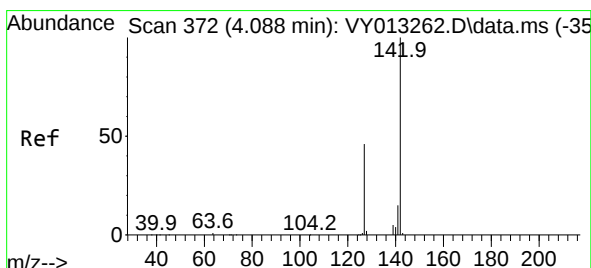
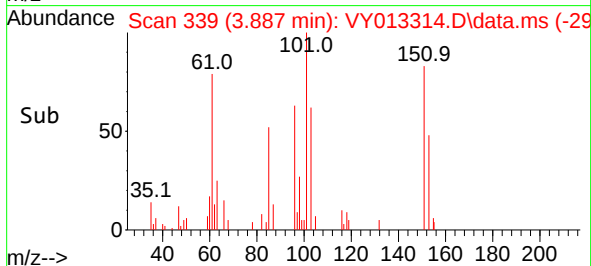
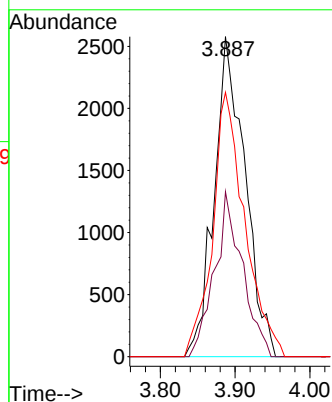
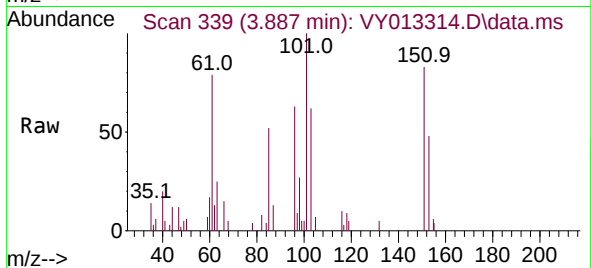
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.826 ug/l
RT: 3.887 min Scan# 311
Delta R.T. -0.012 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:101 Resp: 7388
Ion Ratio Lower Upper
101 100
85 46.5 35.3 52.9
151 86.1 63.1 94.7

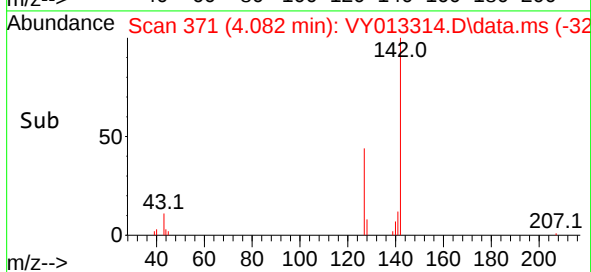
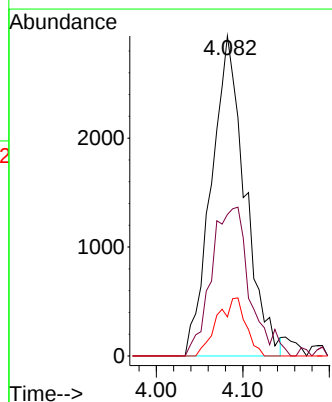
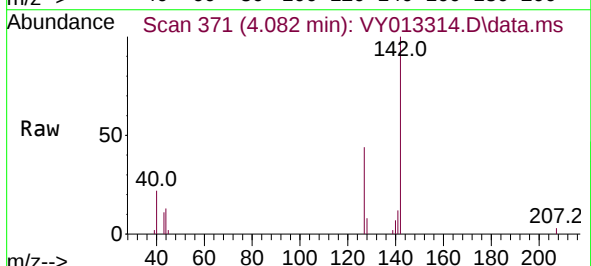
Manual Integrations
APPROVED

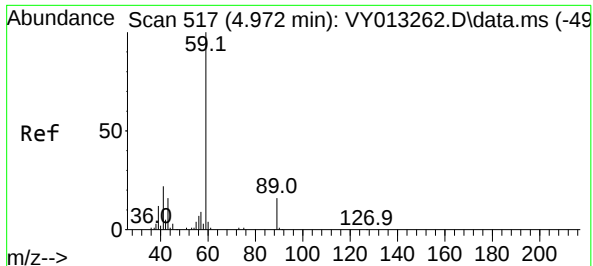
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#10
Methyl Iodide
Concen: 2.469 ug/l
RT: 4.082 min Scan# 371
Delta R.T. -0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

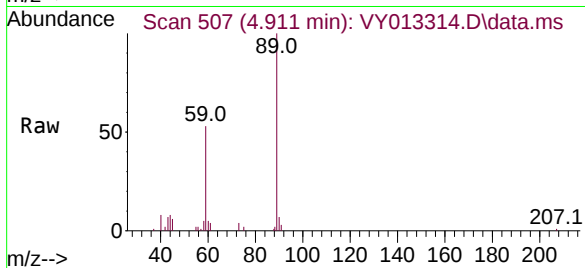
Tgt Ion:142 Resp: 7917
Ion Ratio Lower Upper
142 100
127 52.7 35.4 53.2
141 15.5 11.3 16.9





#11
Tert butyl alcohol
Concen: 27.778 ug/l
RT: 4.911 min Scan# 507
Delta R.T. -0.061 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

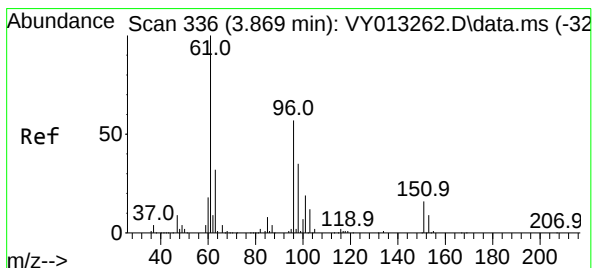
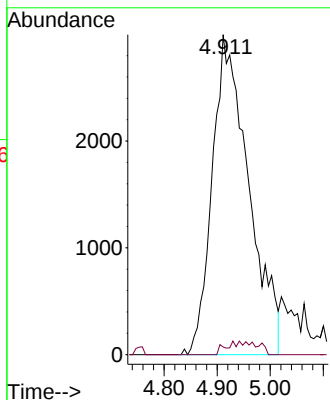
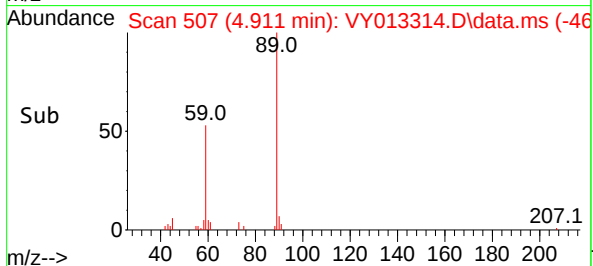
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023



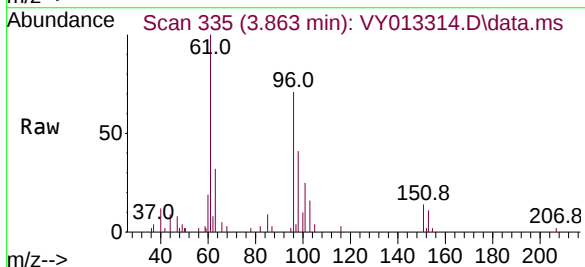
Tgt Ion: 59 Resp: 1426
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5

Manual Integrations
APPROVED

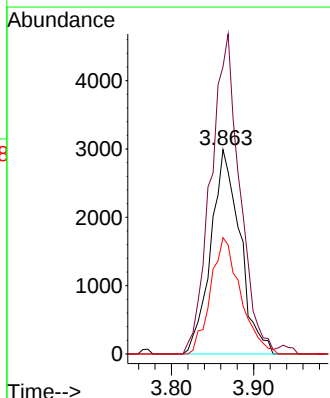
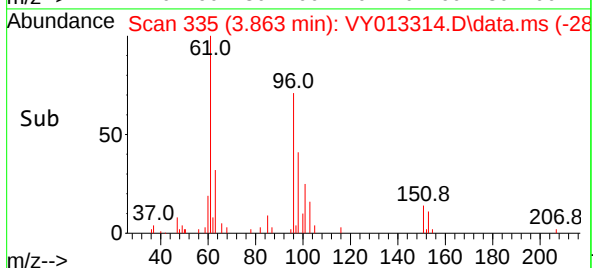
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023

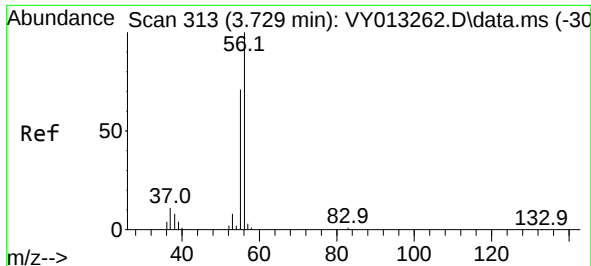


#12
1,1-Dichloroethene
Concen: 2.933 ug/l
RT: 3.863 min Scan# 335
Delta R.T. -0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23



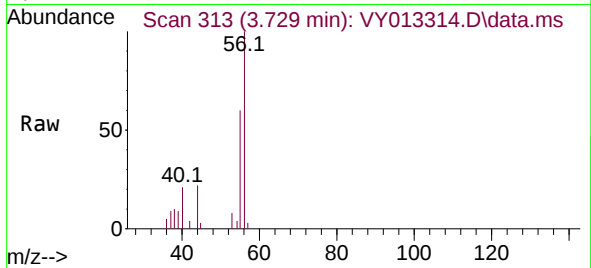
Tgt Ion: 96 Resp: 7378
Ion Ratio Lower Upper
96 100
61 140.6 131.7 197.5
98 56.9 52.0 78.0





#13
Acrolein
Concen: 15.678 ug/l
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

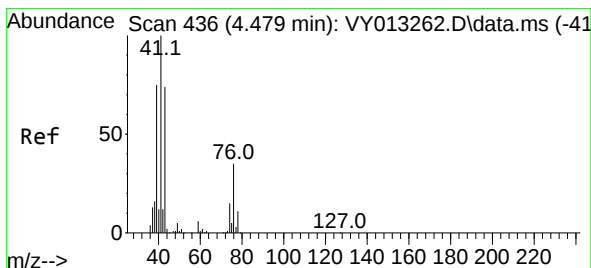
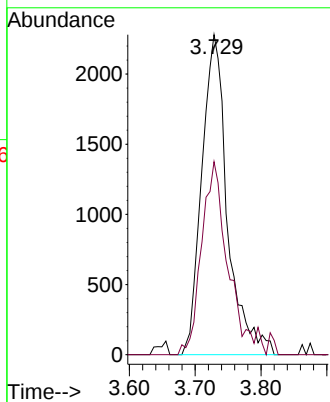
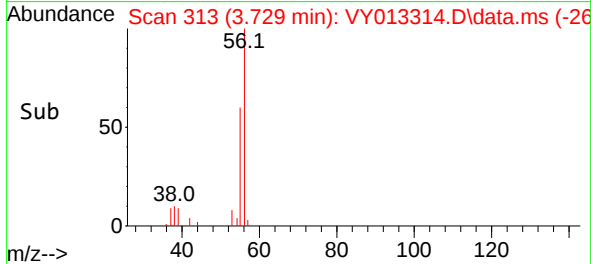
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 56 Resp: 6188
Ion Ratio Lower Upper
56 100
55 62.3 56.8 85.2

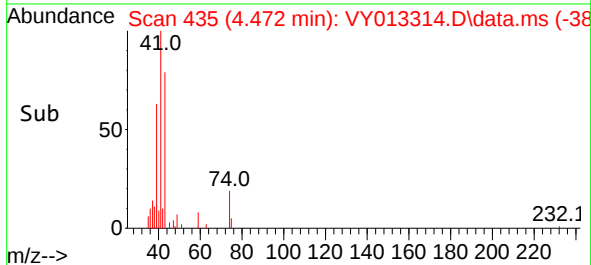
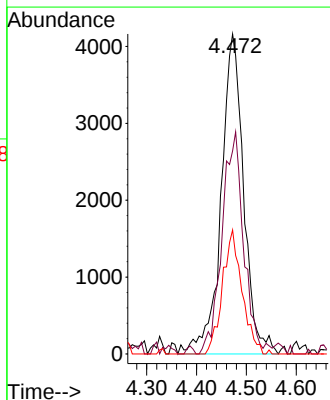
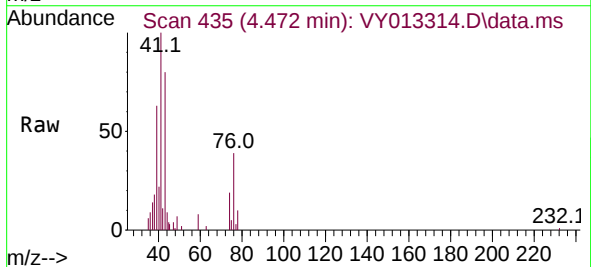
Manual Integrations
APPROVED

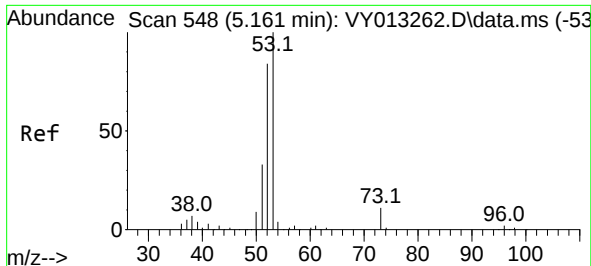
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#14
Allyl chloride
Concen: 2.721 ug/l
RT: 4.472 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

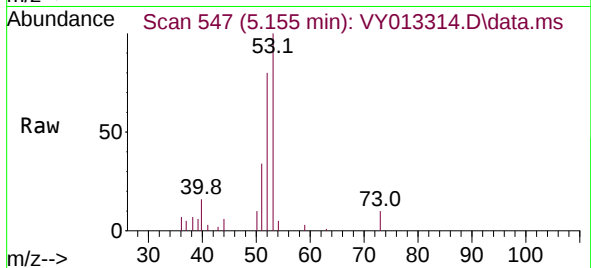
Tgt Ion: 41 Resp: 13076
Ion Ratio Lower Upper
41 100
39 66.0 53.6 80.4
76 33.5 27.2 40.8





#15
Acrylonitrile
Concen: 13.529 ug/l
RT: 5.155 min Scan# 548
Delta R.T. -0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

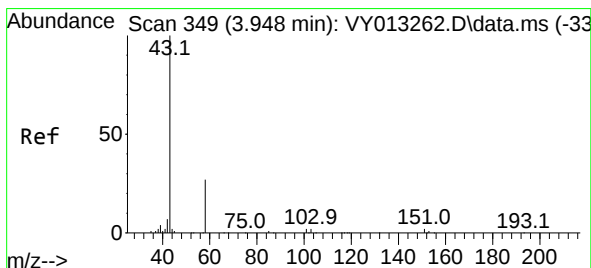
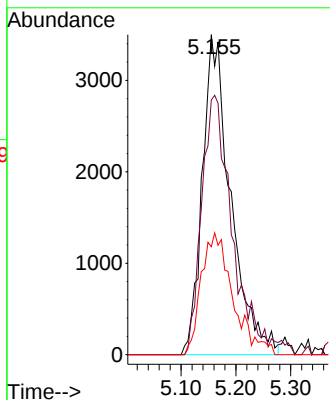
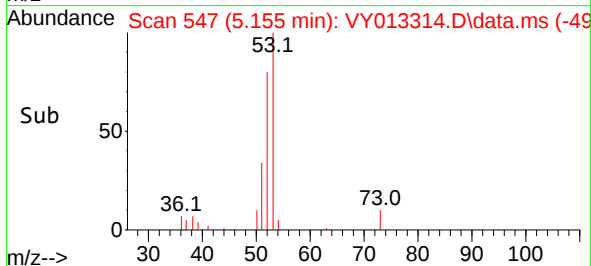
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2023



Tgt Ion: 53 Resp: 1256
Ion Ratio Lower Upper
53 100
52 86.7 66.3 99.5
51 42.6 28.8 43.2

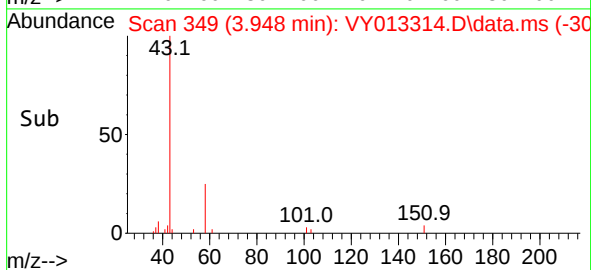
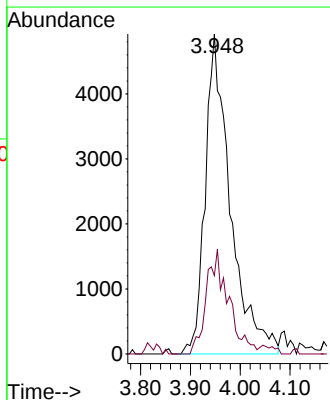
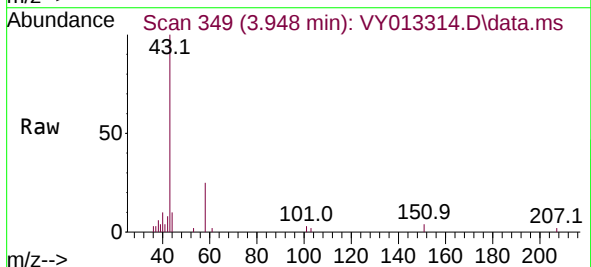
Manual Integrations
APPROVED

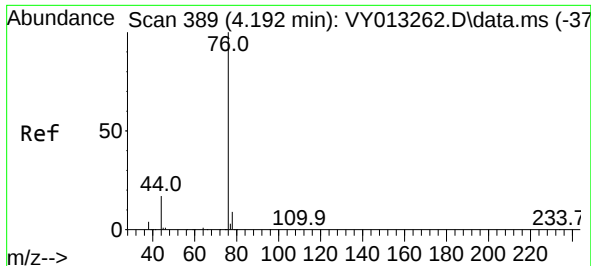
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#16
Acetone
Concen: 15.565 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Tgt Ion: 43 Resp: 17194
Ion Ratio Lower Upper
43 100
58 24.5 24.2 36.2





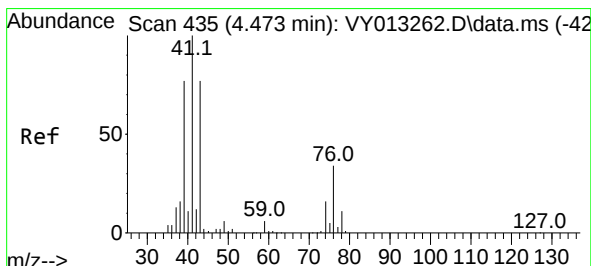
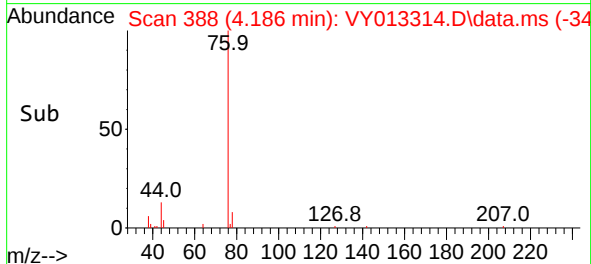
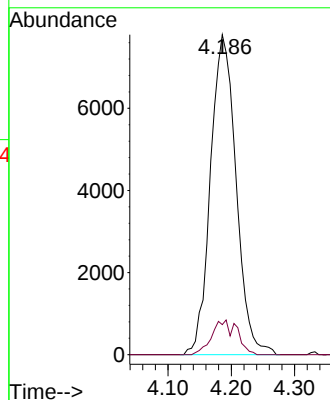
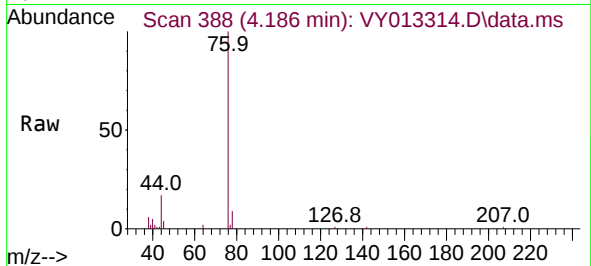
#17
Carbon Disulfide
Concen: 2.643 ug/l
RT: 4.186 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion: 76 Resp: 21894
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7

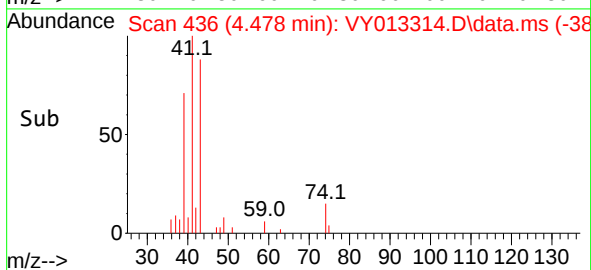
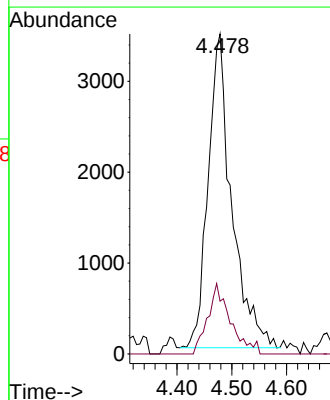
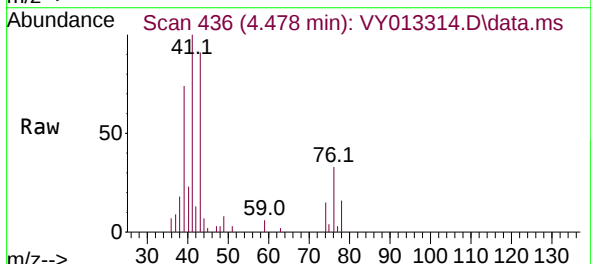
Manual Integrations
APPROVED

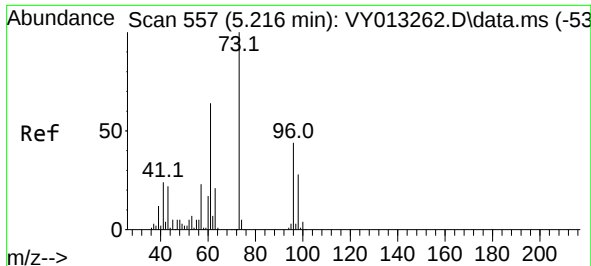
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#18
Methyl Acetate
Concen: 2.881 ug/l
RT: 4.478 min Scan# 436
Delta R.T. 0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Tgt Ion: 43 Resp: 10295
Ion Ratio Lower Upper
43 100
74 21.5 17.4 26.0





#19

Methyl tert-butyl Ether

Concen: 2.585 ug/l

RT: 5.222 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion: 73 Resp: 1948

Ion Ratio Lower Upper

73 100

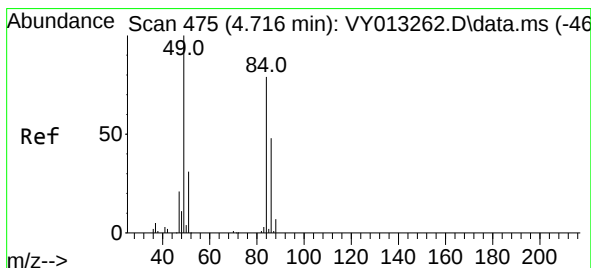
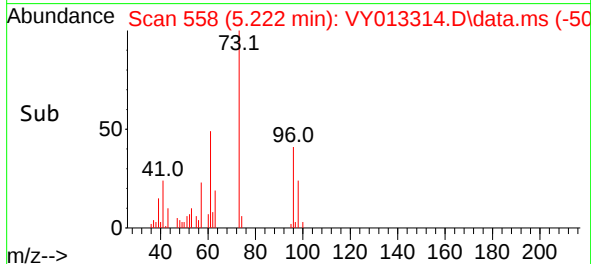
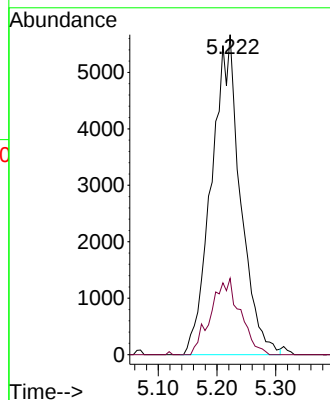
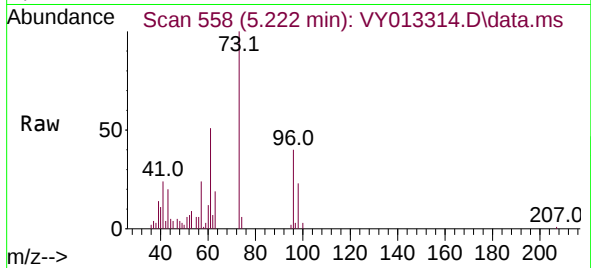
57 23.9 18.3 27.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#20

Methylene Chloride

Concen: 6.331 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.012 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Tgt Ion: 84 Resp: 21711

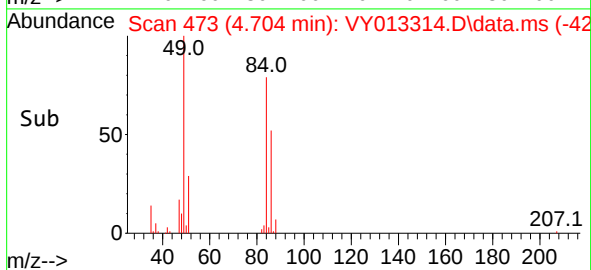
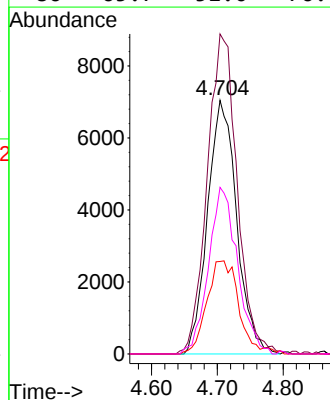
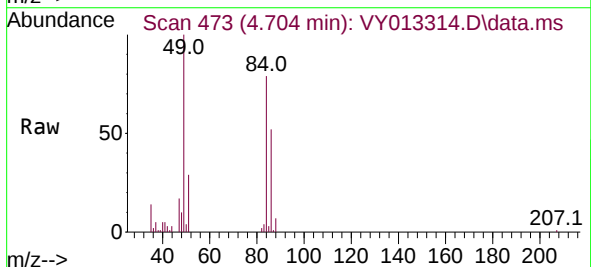
Ion Ratio Lower Upper

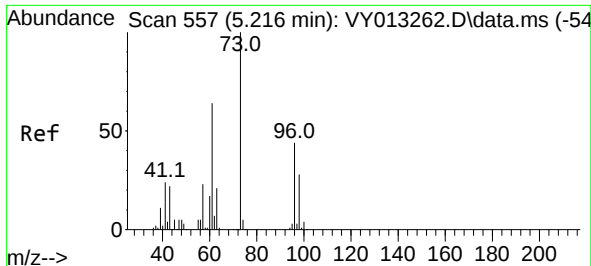
84 100

49 125.1 102.6 154.0

51 36.4 31.9 47.9

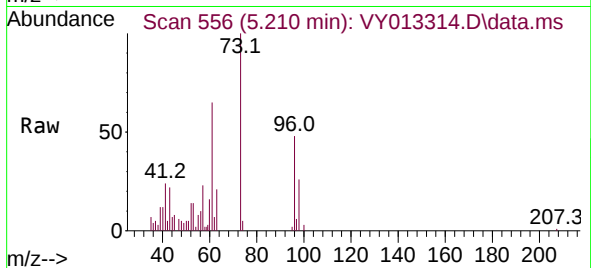
86 65.7 51.0 76.6





#21
trans-1,2-Dichloroethene
Concen: 2.780 ug/l
RT: 5.210 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

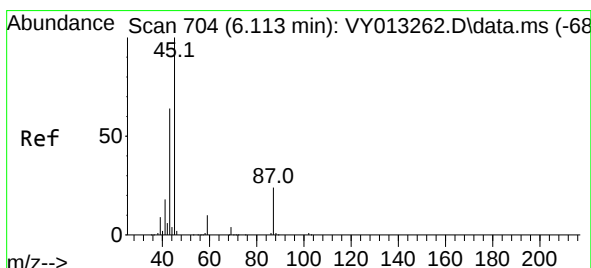
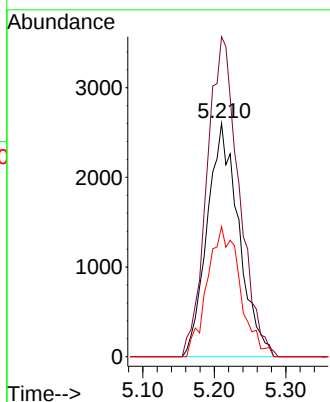
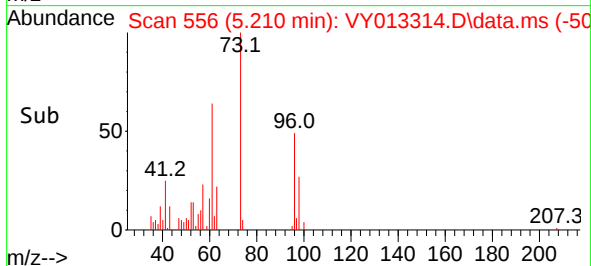
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 96 Resp: 798
Ion Ratio Lower Upper
96 100
61 137.2 111.4 167.0
98 55.7 50.8 76.2

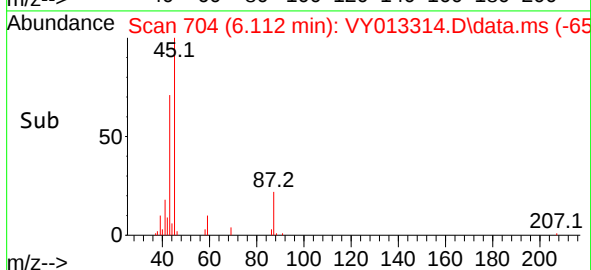
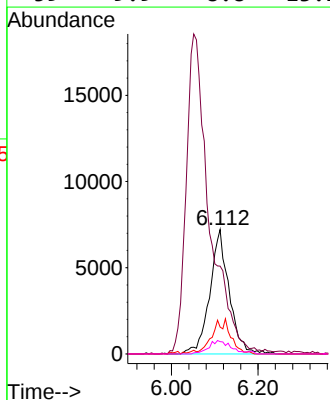
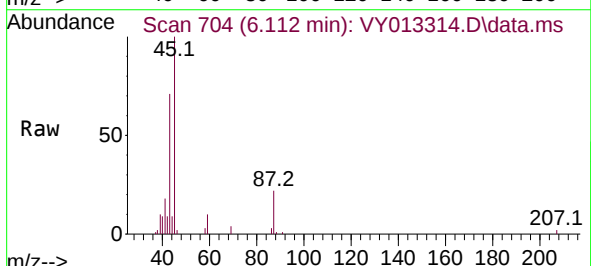
Manual Integrations
APPROVED

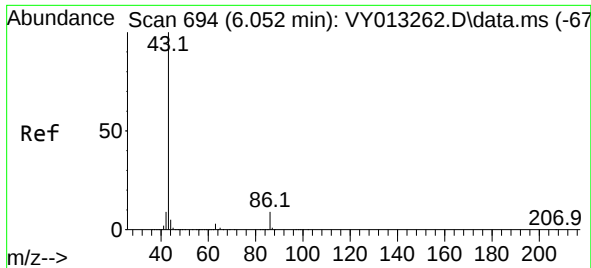
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#22
Diisopropyl ether
Concen: 2.372 ug/l
RT: 6.112 min Scan# 704
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

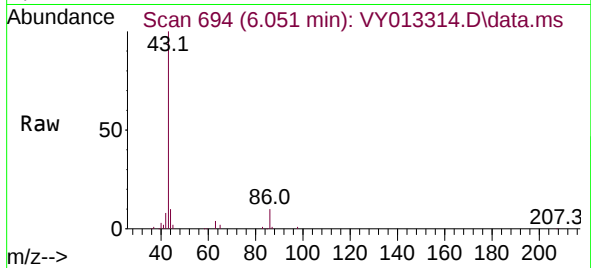
Tgt Ion: 45 Resp: 22462
Ion Ratio Lower Upper
45 100
43 68.4 45.0 67.6#
87 21.6 20.3 30.5
59 9.9 8.8 13.2





#23
 Vinyl Acetate
 Concen: 11.564 ug/l
 RT: 6.051 min Scan# 6923
 Delta R.T. -0.001 min
 Lab File: VY013314.D
 Acq: 14 Apr 2023 13:23

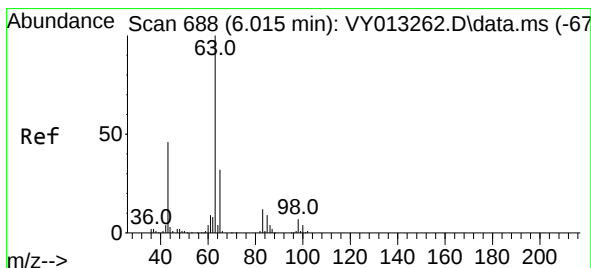
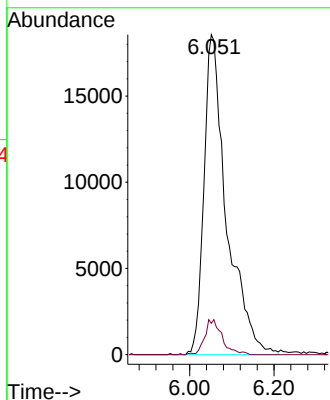
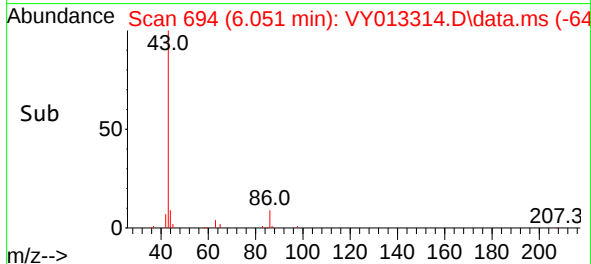
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2023



Tgt Ion: 43 Resp: 6923
 Ion Ratio Lower Upper
 43 100
 86 9.8 7.8 11.8

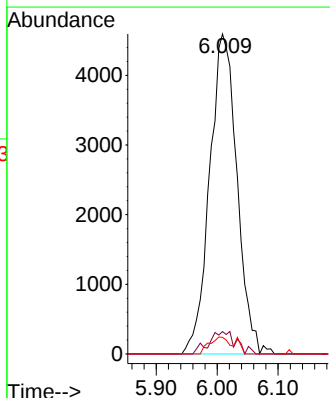
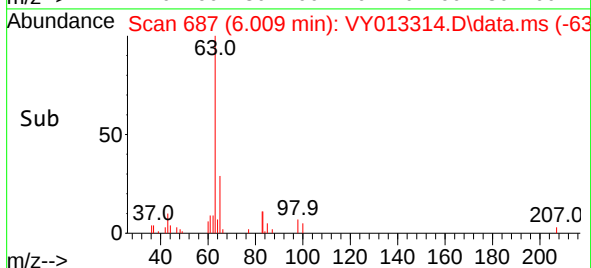
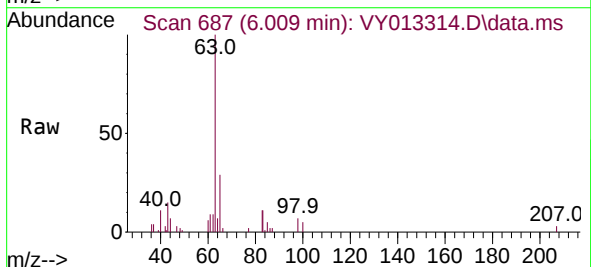
Manual Integrations
 APPROVED

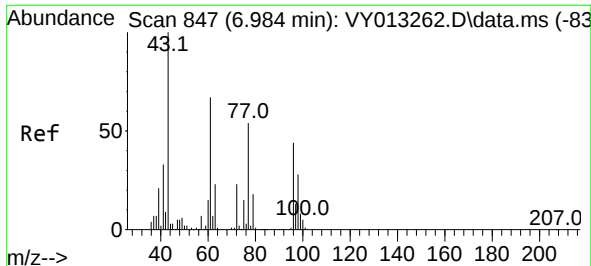
Reviewed By :John Carlone 04/17/2023
 Supervised By :Mahesh Dadoda 04/17/2023



#24
 1,1-Dichloroethane
 Concen: 2.711 ug/l
 RT: 6.009 min Scan# 687
 Delta R.T. -0.006 min
 Lab File: VY013314.D
 Acq: 14 Apr 2023 13:23

Tgt Ion: 63 Resp: 14341
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.7 11.1
 100 5.2 2.3 6.8





#25

2-Butanone

Concen: 14.693 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion: 43 Resp: 2078

Ion Ratio Lower Upper

43 100

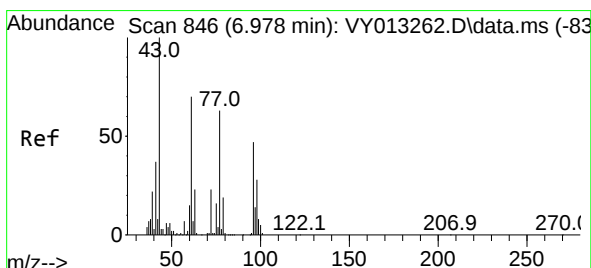
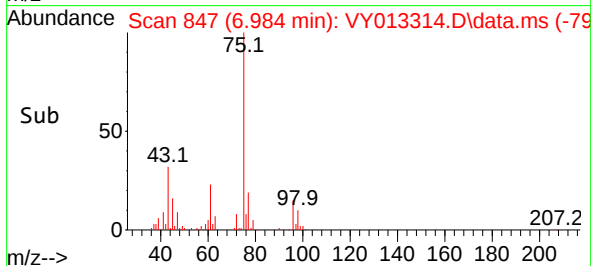
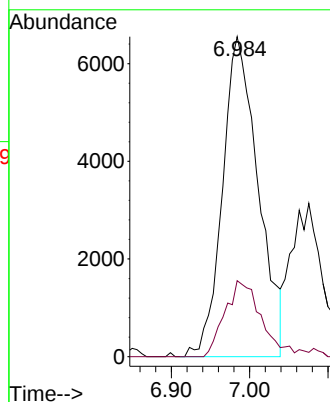
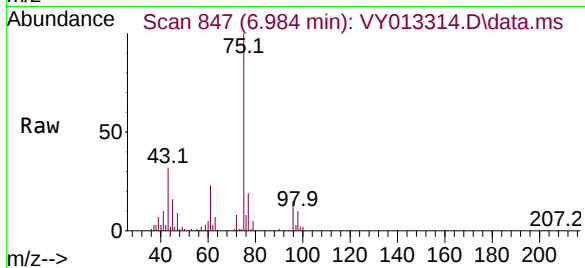
72 23.7 21.0 31.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#26

2,2-Dichloropropane

Concen: 3.183 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY013314.D

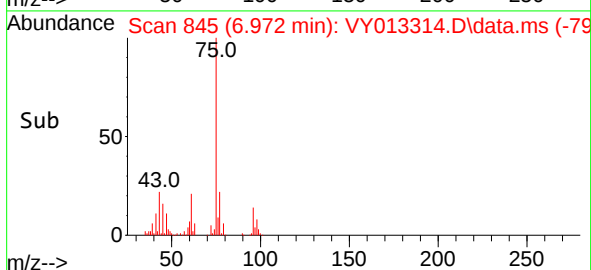
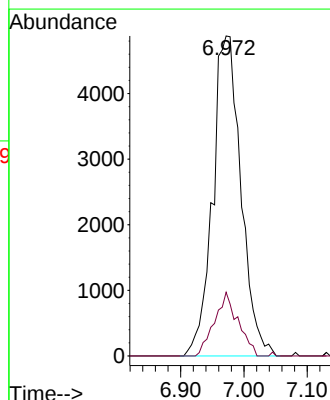
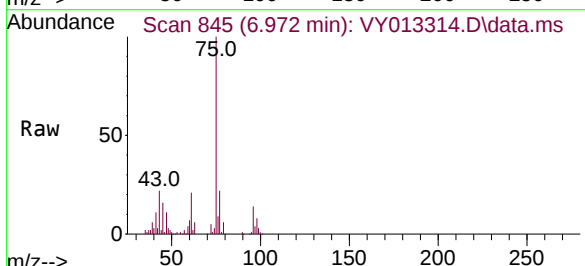
Acq: 14 Apr 2023 13:23

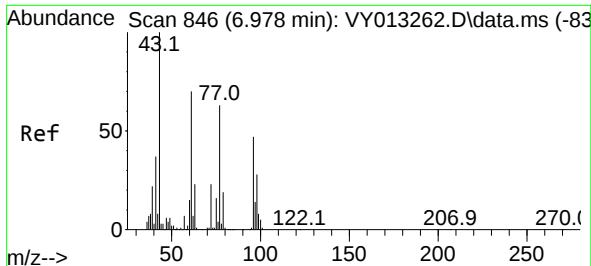
Tgt Ion: 77 Resp: 15110

Ion Ratio Lower Upper

77 100

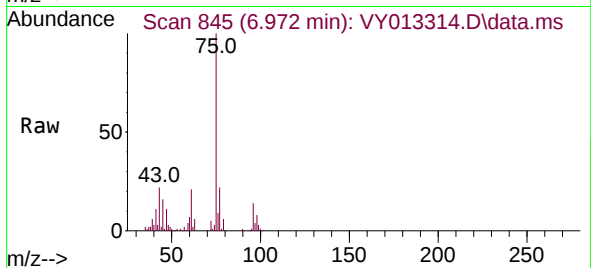
97 16.6 11.7 35.0





#27
 cis-1,2-Dichloroethene
 Concen: 2.755 ug/l
 RT: 6.972 min Scan# 846
 Delta R.T. -0.006 min
 Lab File: VY013314.D
 Acq: 14 Apr 2023 13:23

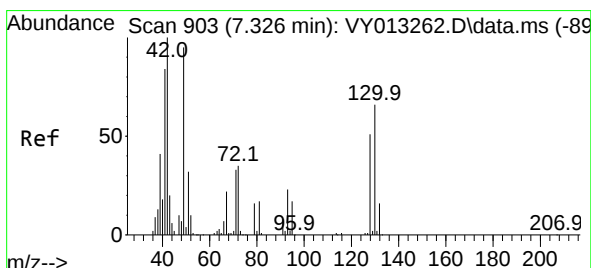
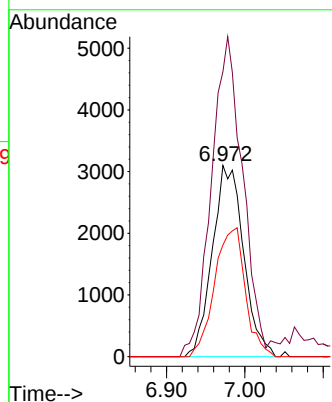
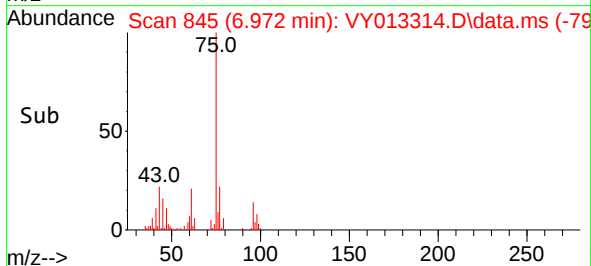
Instrument : MSVOA_Y
 ClientSampleId : MDL-SOIL-03-QT2-2023



Tgt Ion: 96 Resp: 860
 Ion Ratio Lower Upper
 96 100
 61 168.8 0.0 295.8
 98 66.0 0.0 130.2

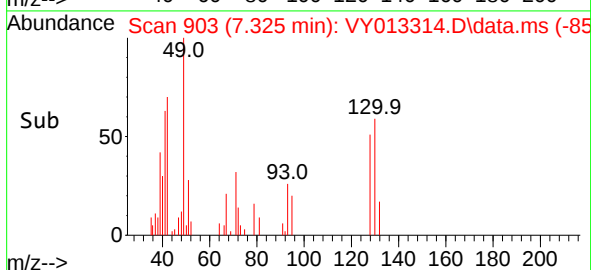
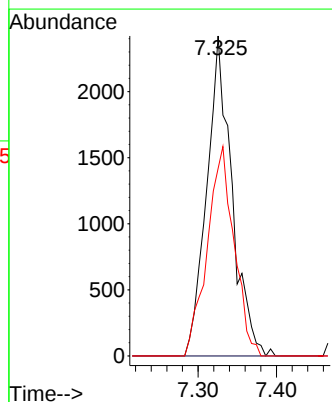
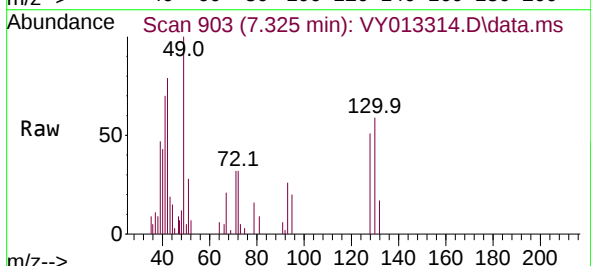
Manual Integrations
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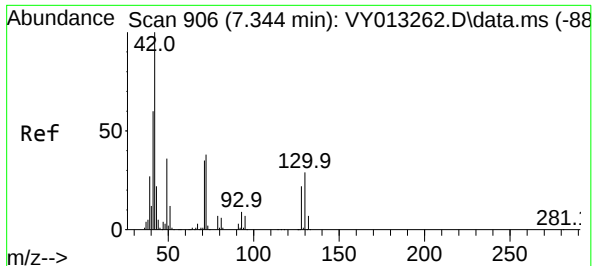
Reviewed By :John Carlone 04/17/2023
 Supervised By :Mahesh Dadoda 04/17/2023



#28
 Bromochloromethane
 Concen: 2.558 ug/l
 RT: 7.325 min Scan# 903
 Delta R.T. -0.000 min
 Lab File: VY013314.D
 Acq: 14 Apr 2023 13:23

Tgt Ion: 49 Resp: 5394
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.2
 130 69.9 60.5 90.7





#29

Tetrahydrofuran

Concen: 13.112 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

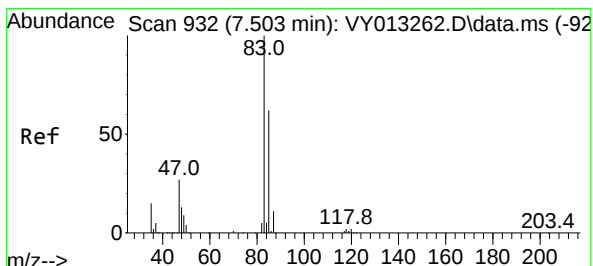
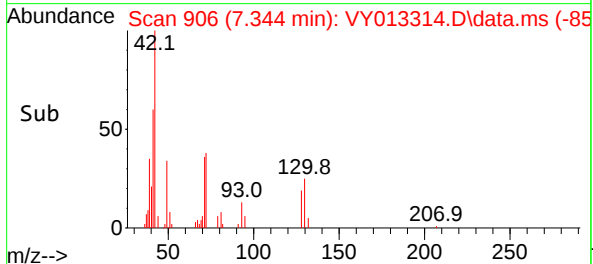
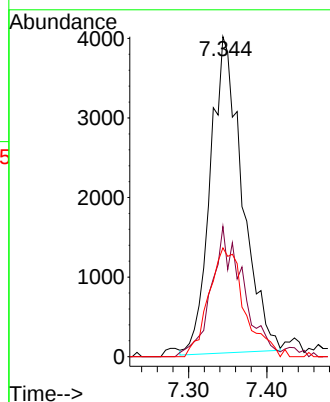
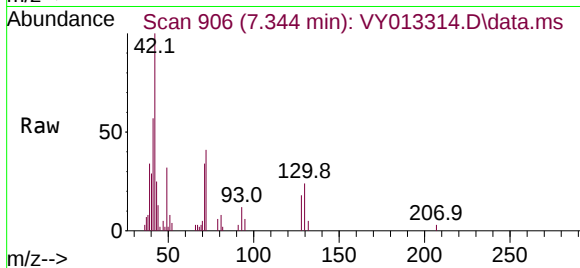
Tgt Ion: 42	Resp: 11264
Ion Ratio	Lower Upper
42 100	
72 41.0	32.3 48.5
71 38.2	30.3 45.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#30

Chloroform

Concen: 2.772 ug/l

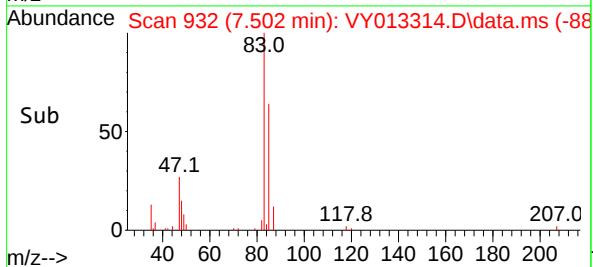
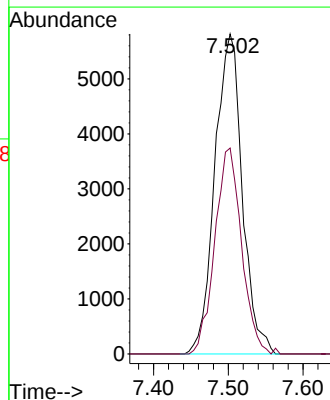
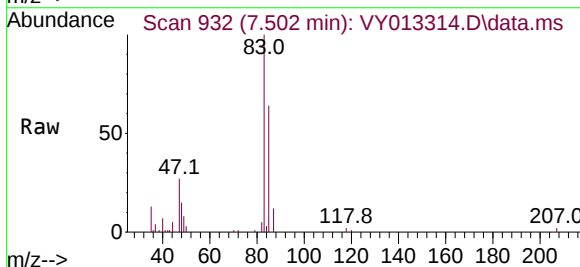
RT: 7.502 min Scan# 932

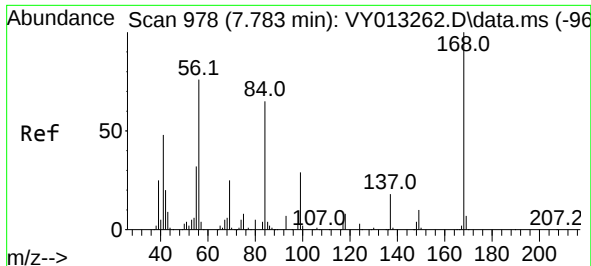
Delta R.T. -0.000 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

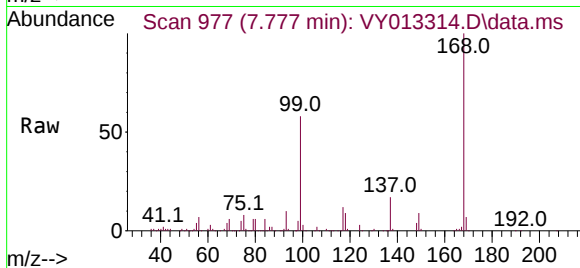
Tgt Ion: 83	Resp: 14843
Ion Ratio	Lower Upper
83 100	
85 64.4	51.4 77.0





#31
Cyclohexane
Concen: 3.448 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

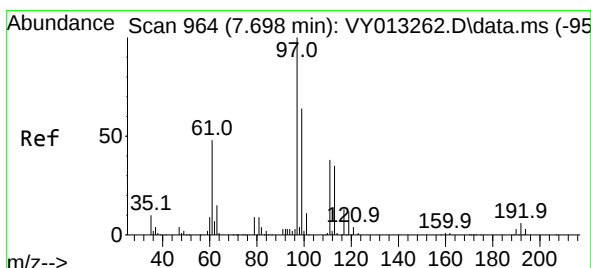
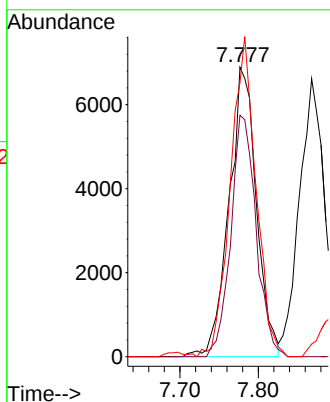
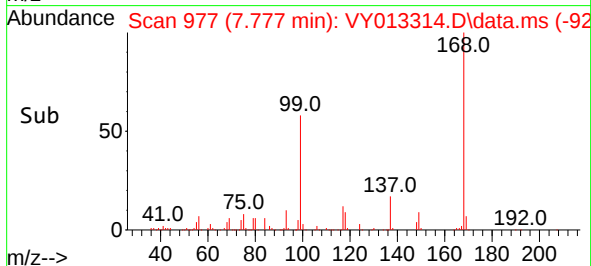
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 56 Resp: 1675
Ion Ratio Lower Upper
56 100
69 83.4 25.7 38.5
84 93.1 64.3 96.5

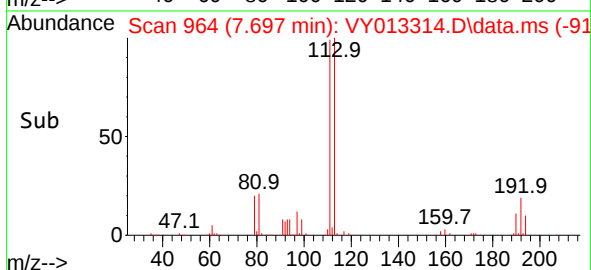
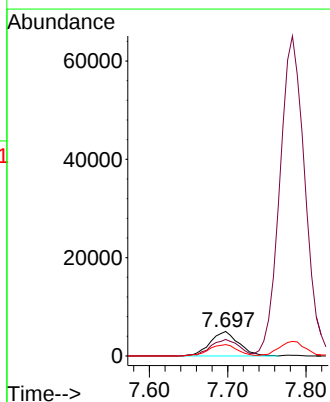
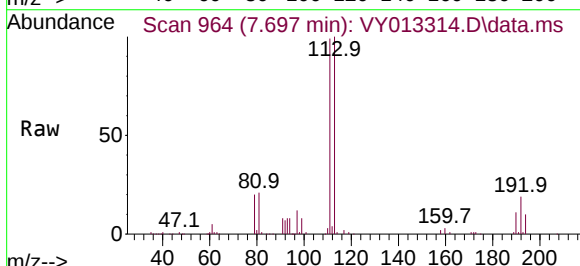
Manual Integrations
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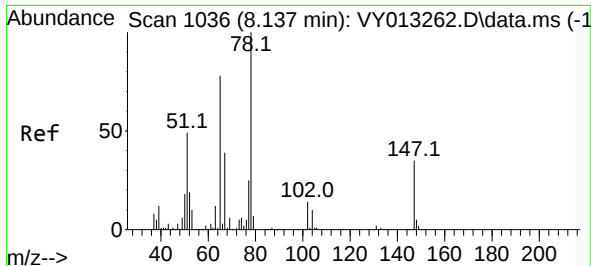
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#32
1,1,1-Trichloroethane
Concen: 2.592 ug/l
RT: 7.697 min Scan# 964
Delta R.T. -0.001 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Tgt Ion: 97 Resp: 12552
Ion Ratio Lower Upper
97 100
99 67.1 51.0 76.6
61 46.6 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 50.271 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion: 65 Resp: 161510

Ion Ratio Lower Upper

65 100

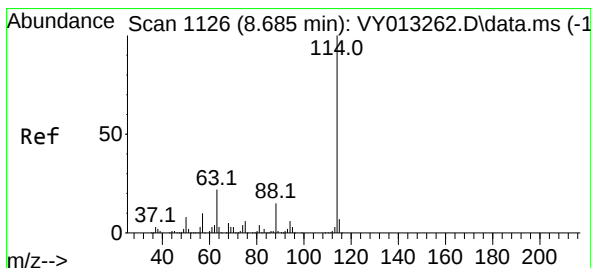
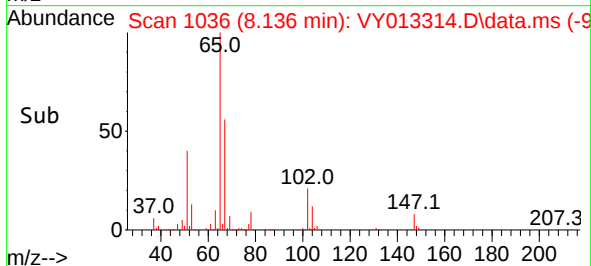
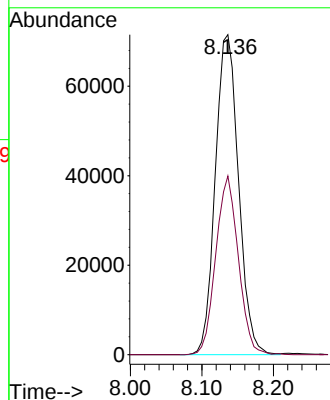
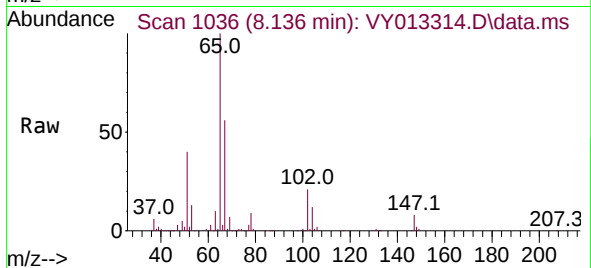
67 54.3 0.0 104.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

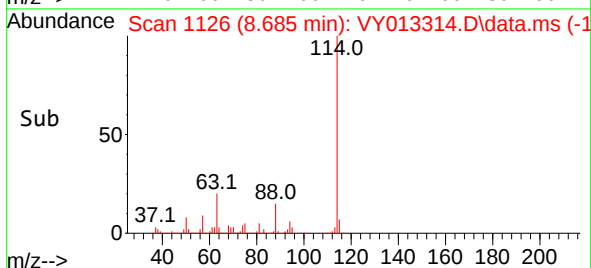
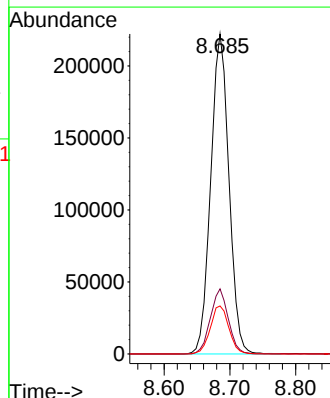
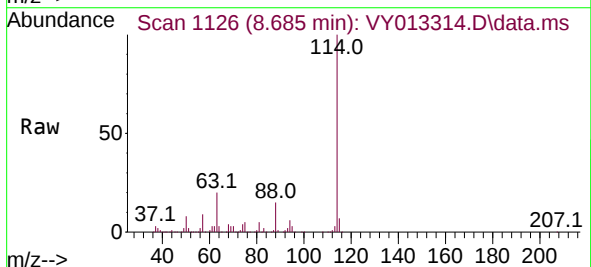
Tgt Ion:114 Resp: 428034

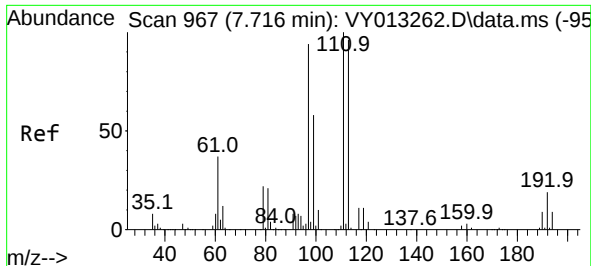
Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

88 15.0 0.0 28.6





#35

Dibromofluoromethane

Concen: 51.990 ug/l

RT: 7.716 min Scan# 90

Delta R.T. -0.000 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

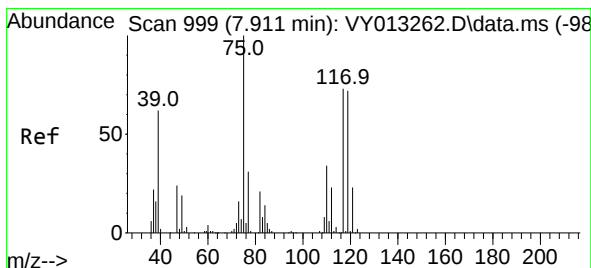
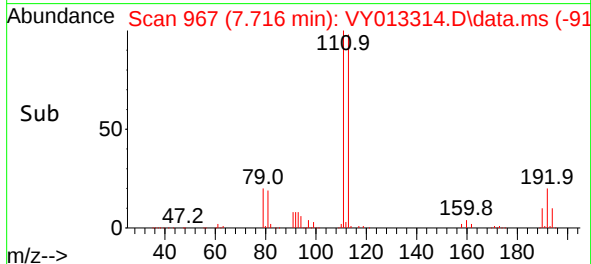
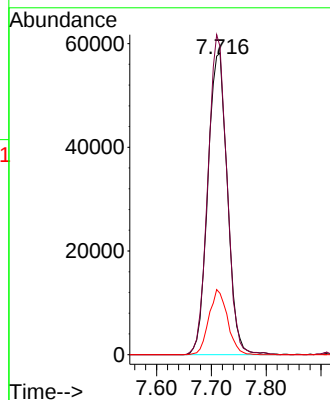
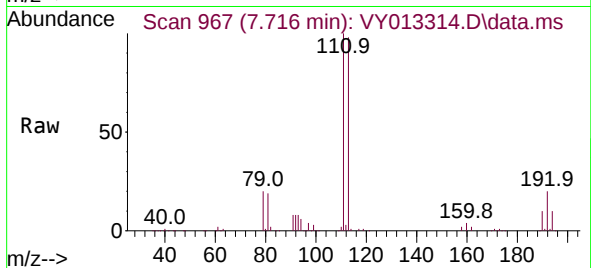
Tgt Ion: 113 Resp: 14406
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.2 123.2
 192 20.5 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#36

1,1-Dichloropropene

Concen: 2.515 ug/l

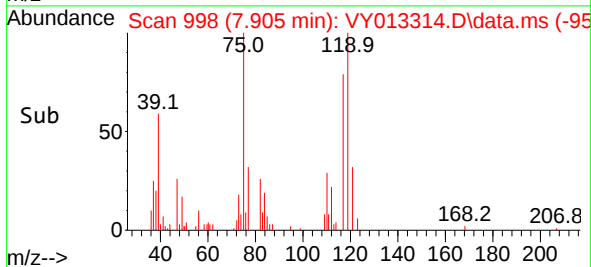
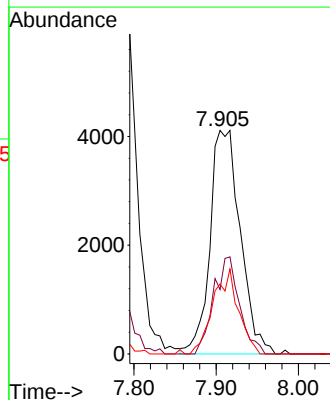
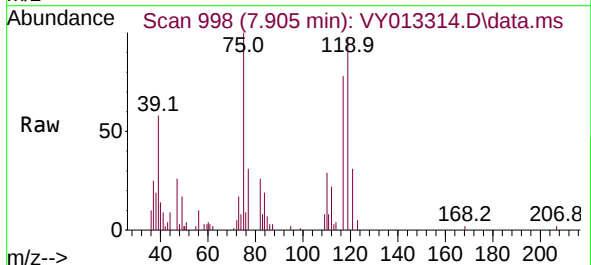
RT: 7.905 min Scan# 998

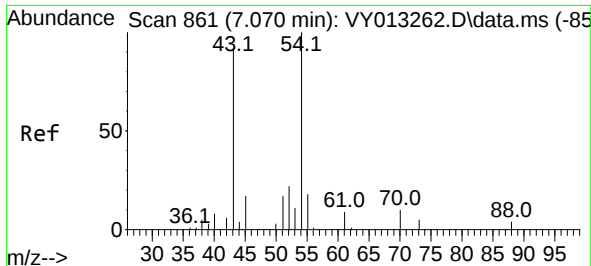
Delta R.T. -0.006 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Tgt Ion: 75 Resp: 10556
 Ion Ratio Lower Upper
 75 100
 110 36.9 17.8 53.3
 77 31.6 25.0 37.4





#37

Ethyl Acetate

Concen: 2.389 ug/l

RT: 7.076 min Scan# 808

Delta R.T. 0.006 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

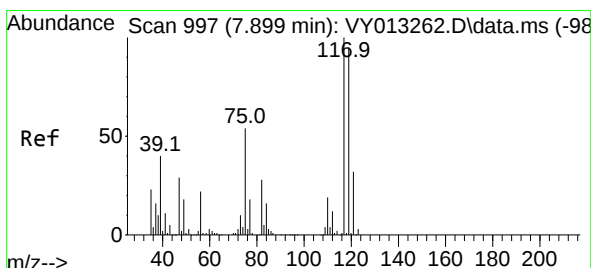
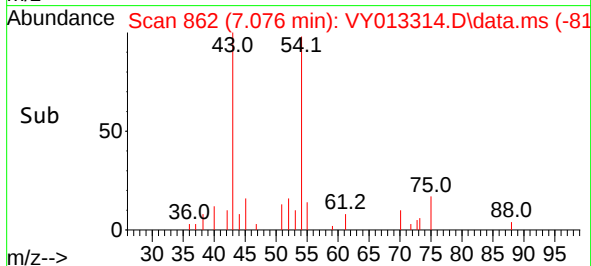
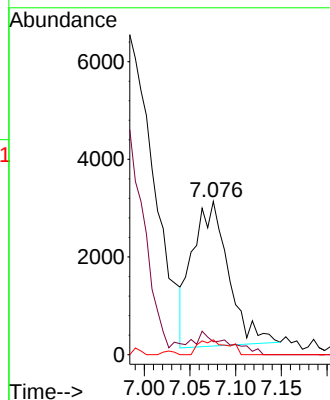
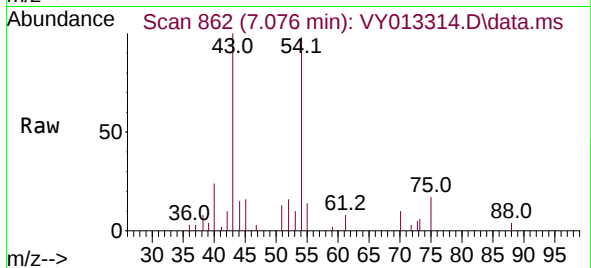
Tgt Ion:	43	Resp:	808
Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.7	16.1
70	8.3	7.8	11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#38

Carbon Tetrachloride

Concen: 2.636 ug/l

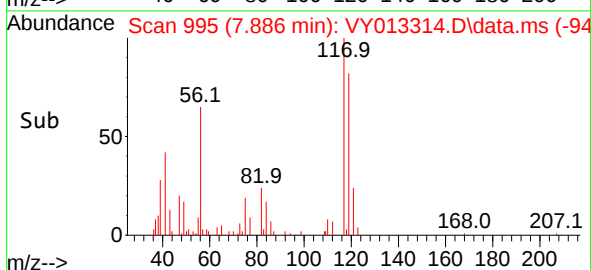
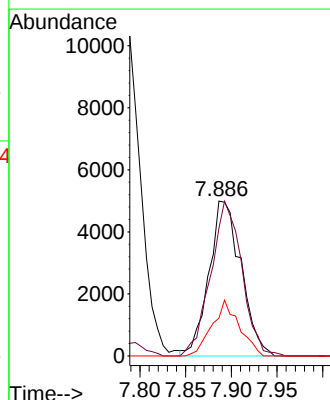
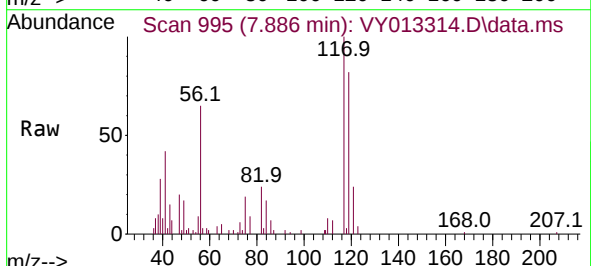
RT: 7.886 min Scan# 995

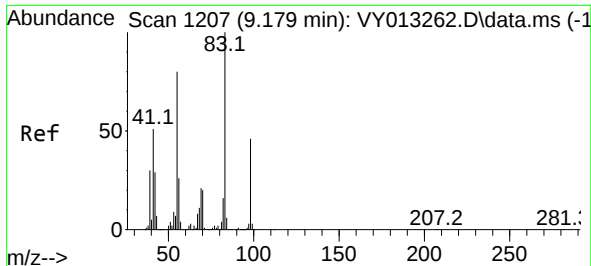
Delta R.T. -0.012 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Tgt Ion:	117	Resp:	12235
Ion	Ratio	Lower	Upper
117	100		
119	82.4	77.2	115.8
121	24.4	24.7	37.1





#39

Methylcyclohexane

Concen: 2.435 ug/l

RT: 9.179 min Scan# 1188

Delta R.T. -0.000 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

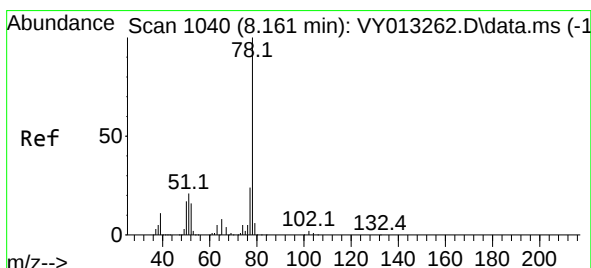
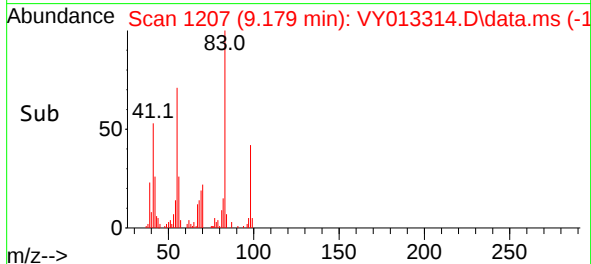
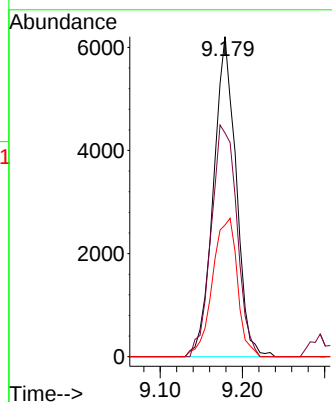
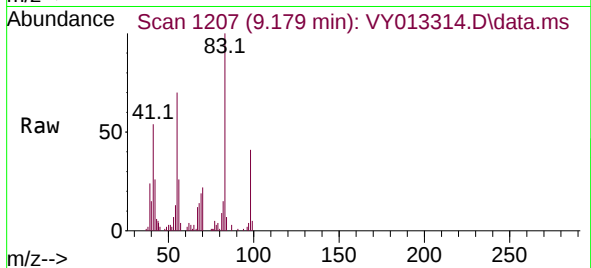
Tgt Ion: 83	Resp: 1188
Ion Ratio	Lower Upper
83 100	
55 69.9	60.0 90.0
98 41.2	38.3 57.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#40

Benzene

Concen: 2.571 ug/l

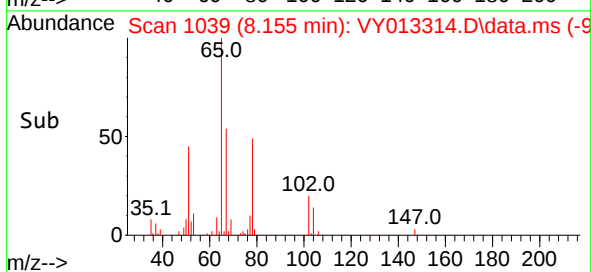
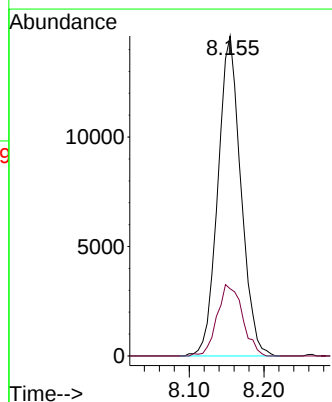
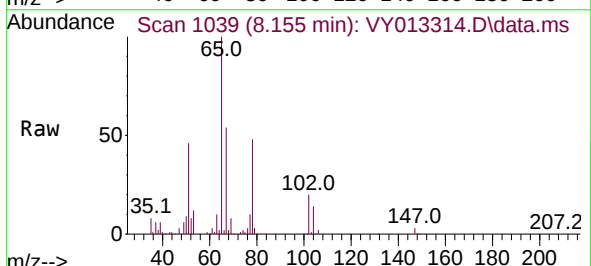
RT: 8.155 min Scan# 1039

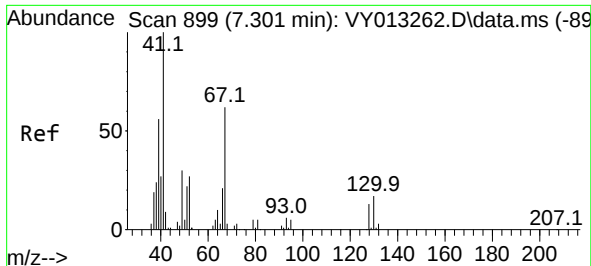
Delta R.T. -0.006 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

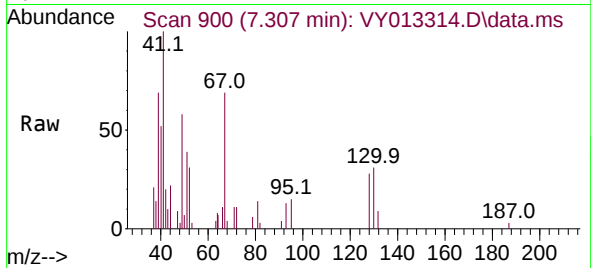
Tgt Ion: 78	Resp: 31236
Ion Ratio	Lower Upper
78 100	
77 21.0	19.4 29.0





#41
Methacrylonitrile
Concen: 2.391 ug/l
RT: 7.307 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

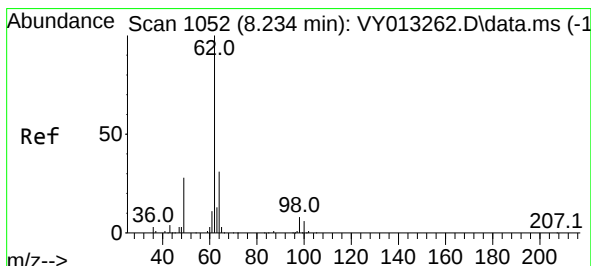
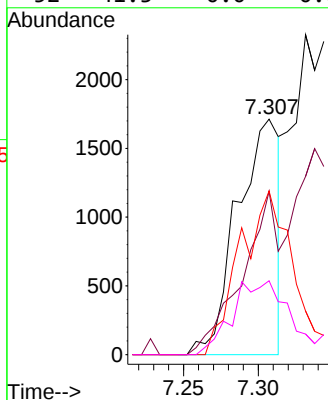
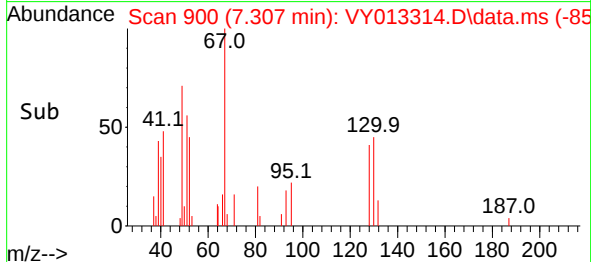
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:	41	Resp:	335
Ion Ratio	100	Lower	Upper
41	100		
39	57.9	0.0	0.0
67	89.7	0.0	0.0
52	41.3	0.0	0.0

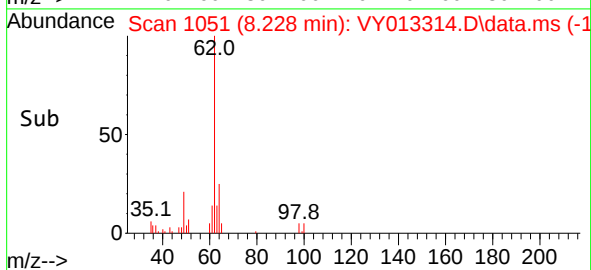
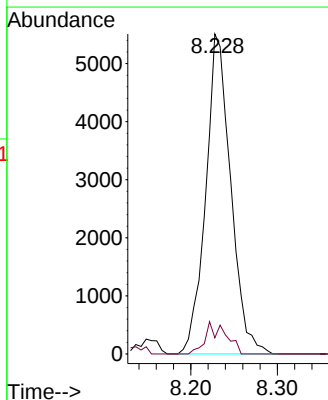
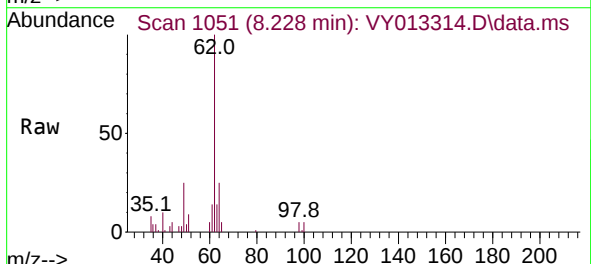
Manual Integrations
APPROVED

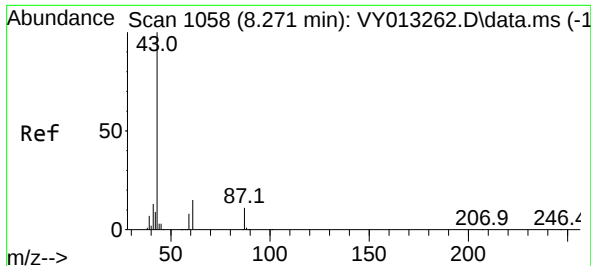
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#42
1,2-Dichloroethane
Concen: 2.683 ug/l
RT: 8.228 min Scan# 1051
Delta R.T. -0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Tgt Ion:	62	Resp:	11053
Ion Ratio	100	Lower	Upper
62	100		
98	8.2	0.0	18.8





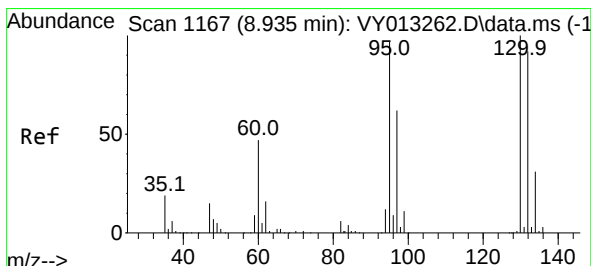
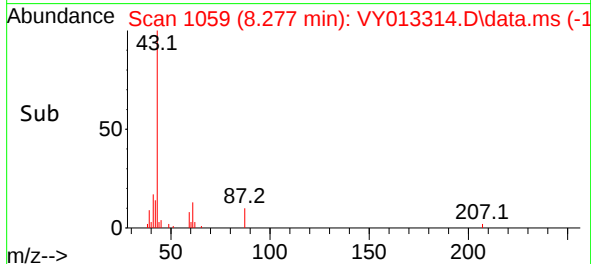
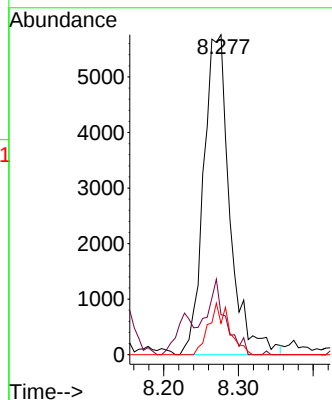
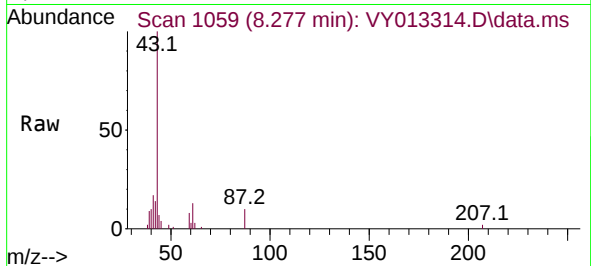
#43
Isopropyl Acetate
Concen: 2.499 ug/l
RT: 8.277 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion: 43 Resp: 1404
Ion Ratio Lower Upper
43 100
61 16.4 21.6 32.4
87 12.6 9.9 14.9

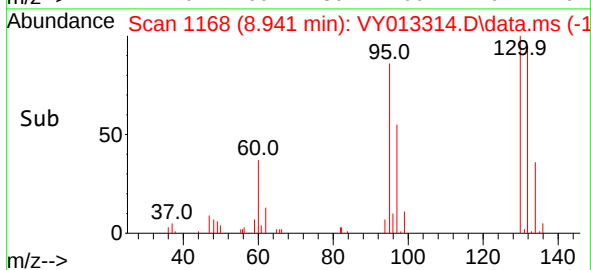
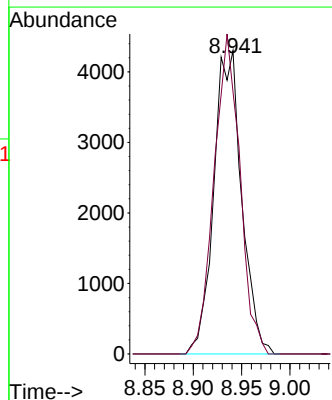
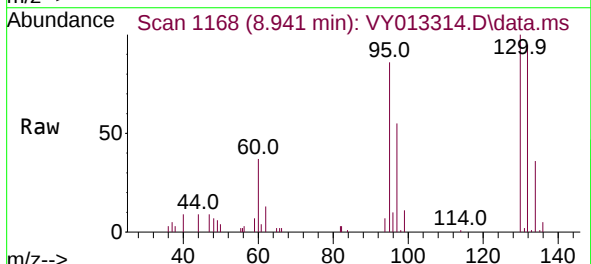
Manual Integrations
APPROVED

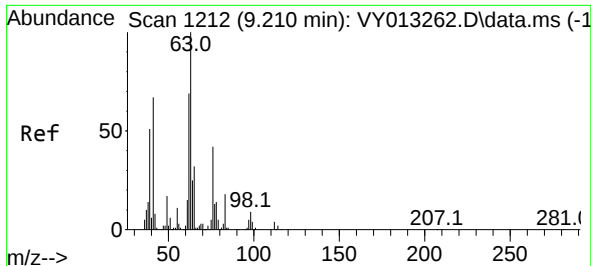
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#44
Trichloroethene
Concen: 2.757 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. 0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Tgt Ion:130 Resp: 8628
Ion Ratio Lower Upper
130 100
95 86.5 0.0 185.0





#45

1,2-Dichloropropane

Concen: 2.564 ug/l

RT: 9.209 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion: 63 Resp: 808

Ion Ratio Lower Upper

63 100

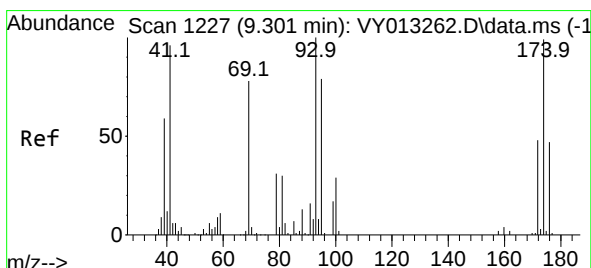
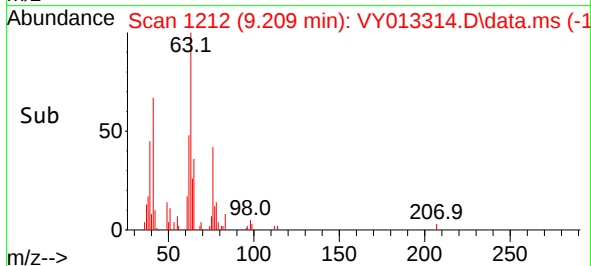
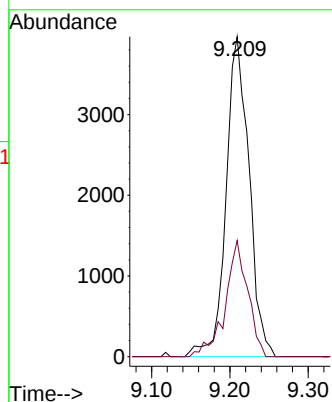
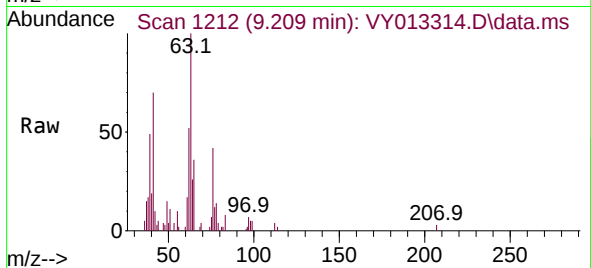
65 36.3 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#46

Dibromomethane

Concen: 2.877 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. -0.006 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

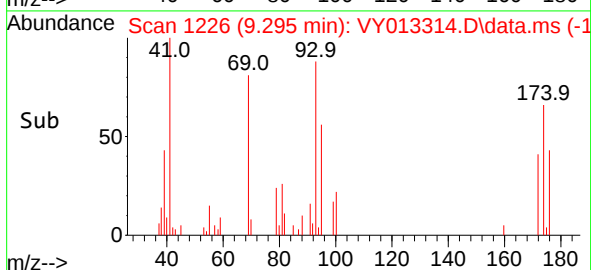
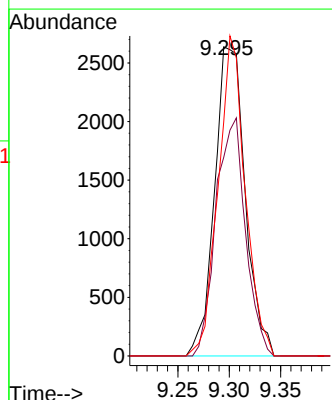
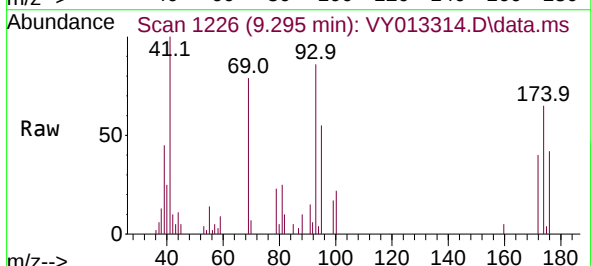
Tgt Ion: 93 Resp: 5460

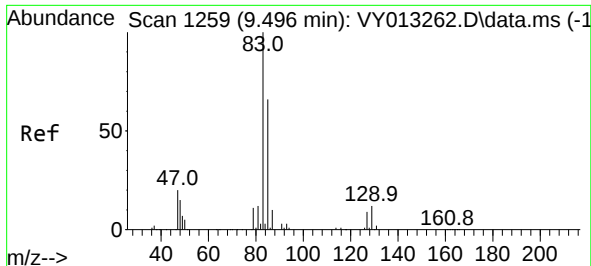
Ion Ratio Lower Upper

93 100

95 74.2 65.6 98.4

174 91.5 81.3 121.9





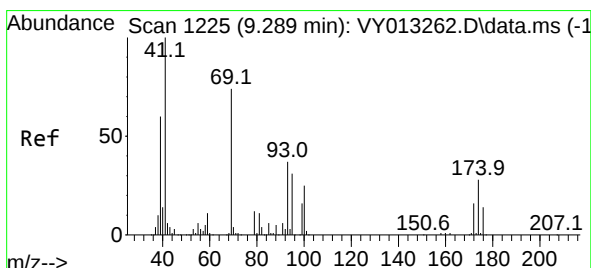
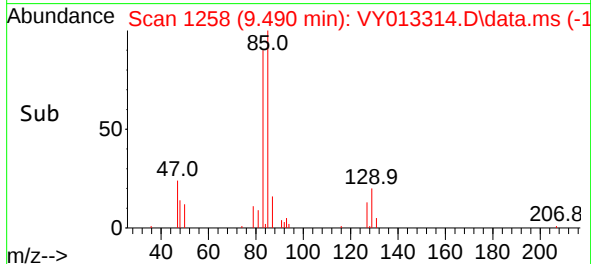
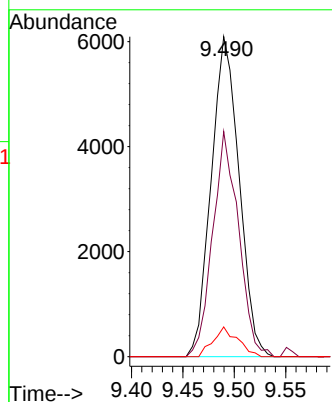
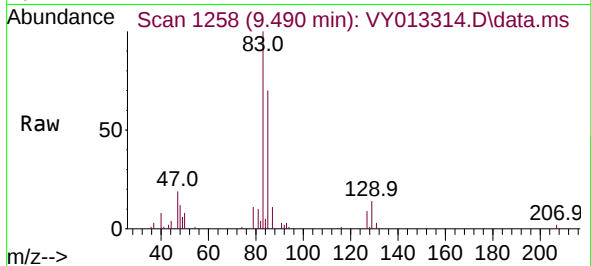
#47
Bromodichloromethane
Concen: 2.650 ug/l
RT: 9.490 min Scan# 1258
Delta R.T. -0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2023

Tgt Ion: 83 Resp: 11500
Ion Ratio Lower Upper
83 100
85 70.3 50.2 75.4
127 9.3 6.3 9.5

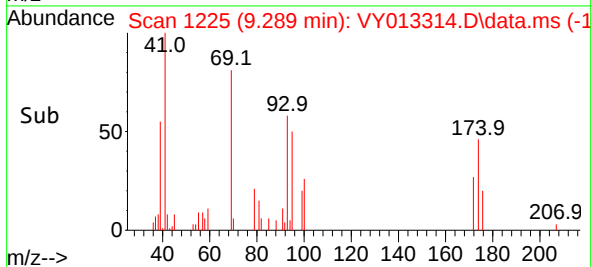
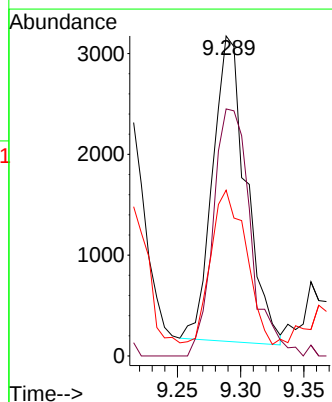
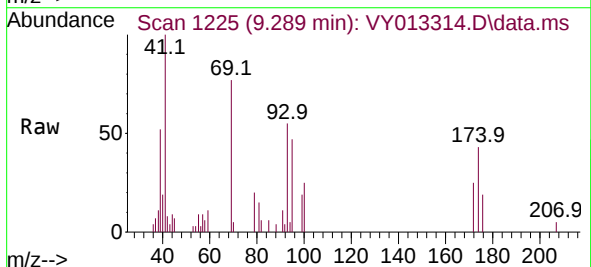
Manual Integrations
APPROVED

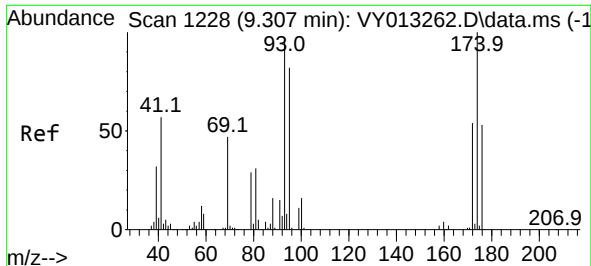
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#48
Methyl methacrylate
Concen: 2.160 ug/l
RT: 9.289 min Scan# 1225
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Tgt Ion: 41 Resp: 5576
Ion Ratio Lower Upper
41 100
69 90.2 64.1 96.1
39 54.2 44.0 66.0





#49

1,4-Dioxane

Concen: 52.304 ug/l

RT: 9.319 min Scan# 1228

Delta R.T. 0.012 min

Lab File: VY013314.D

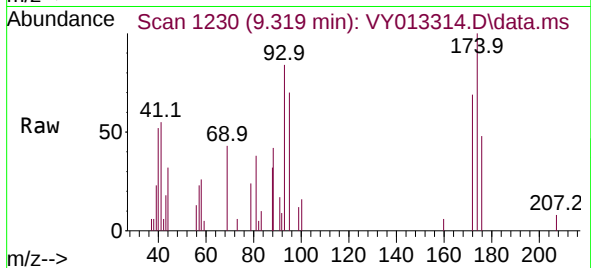
Acq: 14 Apr 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

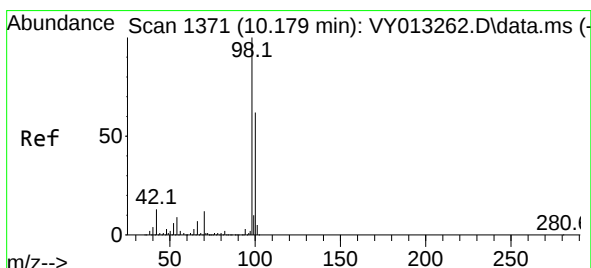
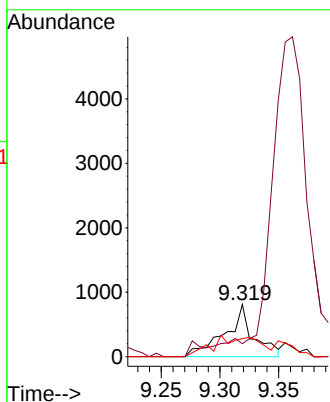
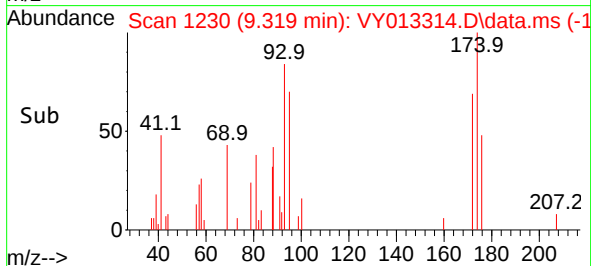


Tgt Ion: 88	Resp: 134
Ion Ratio	Lower Upper
88	100
43	0.0 28.6 42.8
58	63.9 55.2 82.8

Manual Integrations
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Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#50

Toluene-d8

Concen: 50.059 ug/l

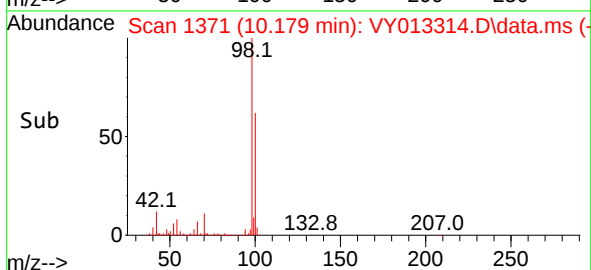
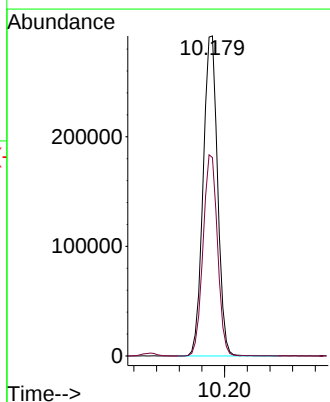
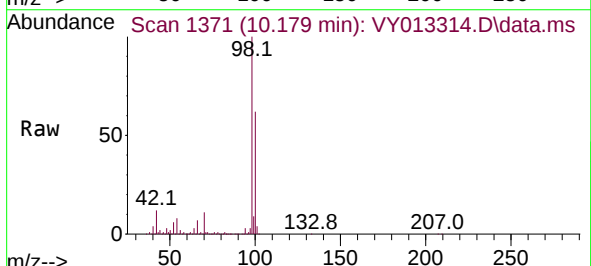
RT: 10.179 min Scan# 1371

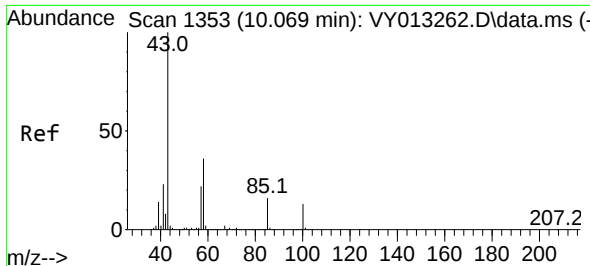
Delta R.T. -0.000 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

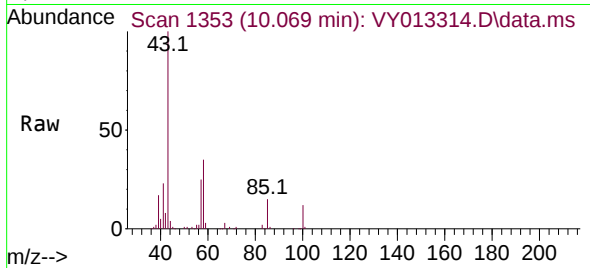
Tgt Ion: 98	Resp: 516330
Ion Ratio	Lower Upper
98	100
100	63.0 50.9 76.3





#51
4-Methyl-2-Pentanone
Concen: 12.609 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

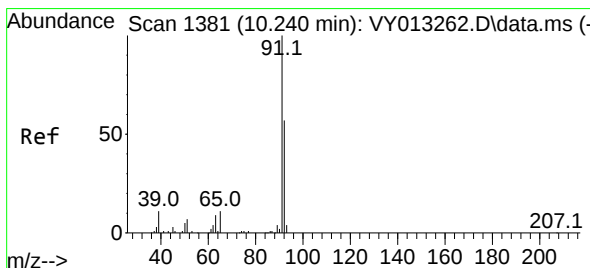
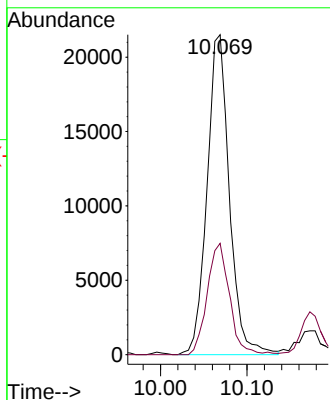
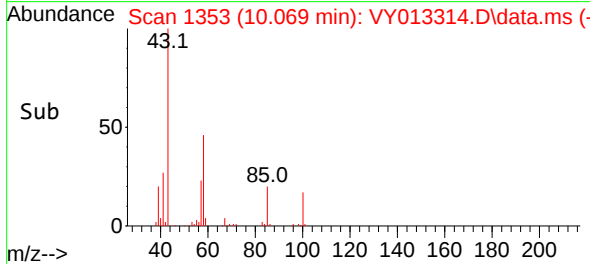
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023



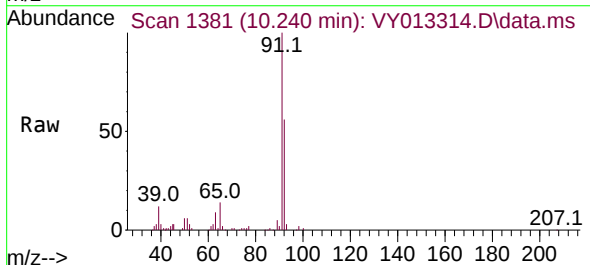
Tgt Ion: 43 Resp: 3857
Ion Ratio Lower Upper
43 100
58 34.8 29.8 44.6

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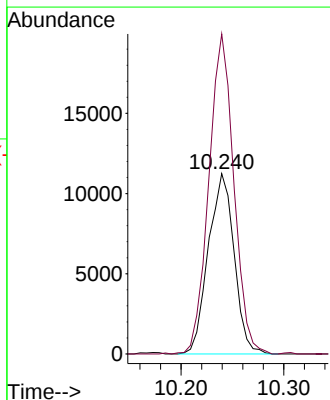
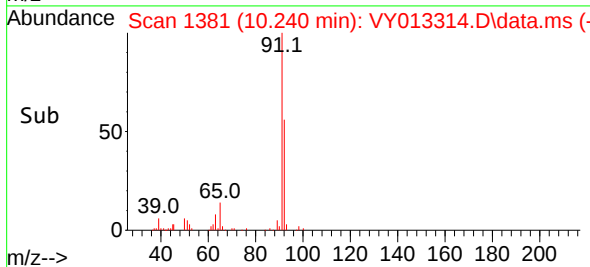
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023

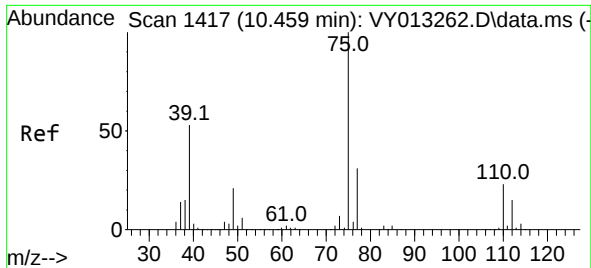


#52
Toluene
Concen: 2.670 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23



Tgt Ion: 92 Resp: 19586
Ion Ratio Lower Upper
92 100
91 172.3 141.3 211.9





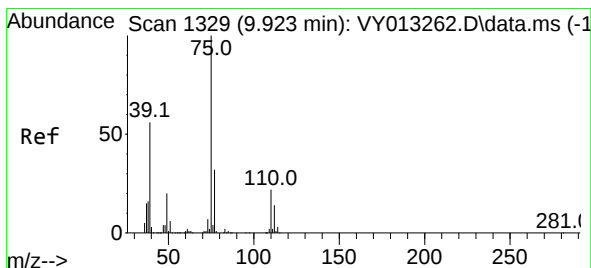
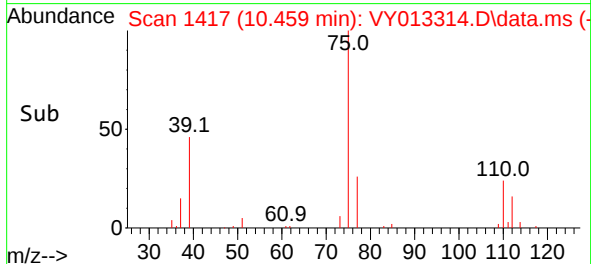
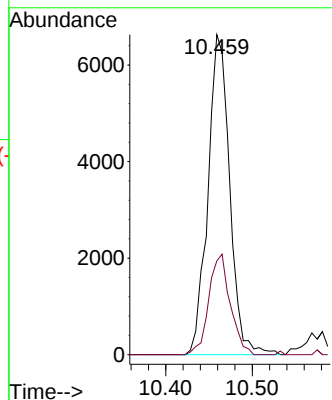
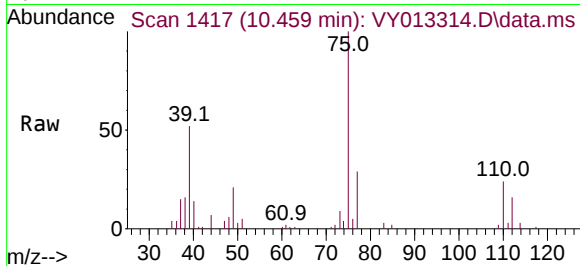
#53
t-1,3-Dichloropropene
Concen: 2.551 ug/l
RT: 10.459 min Scan# 1417
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2023

Tgt Ion: 75 Resp: 11590
Ion Ratio Lower Upper
75 100
77 29.3 25.4 38.2

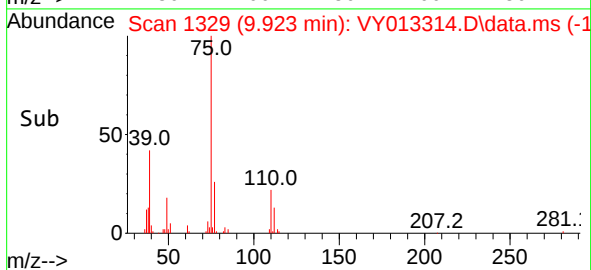
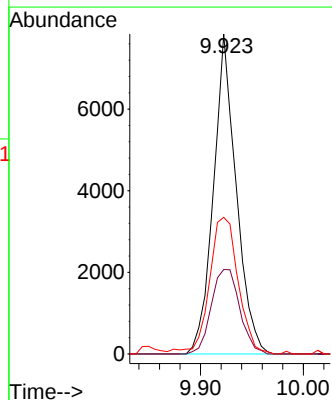
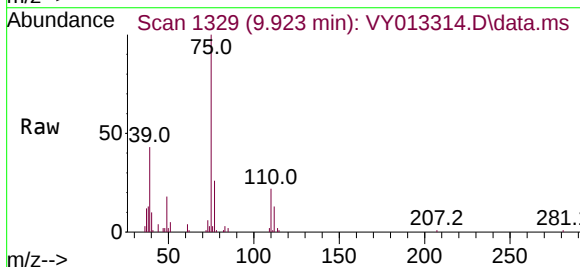
Manual Integrations
APPROVED

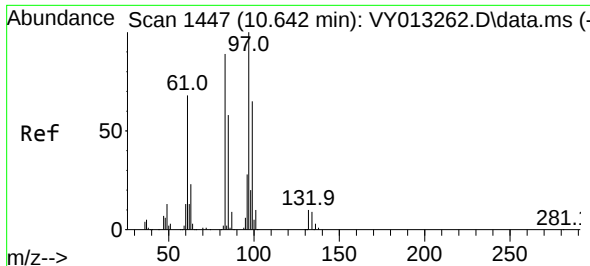
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#54
cis-1,3-Dichloropropene
Concen: 2.427 ug/l
RT: 9.923 min Scan# 1329
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Tgt Ion: 75 Resp: 12090
Ion Ratio Lower Upper
75 100
77 26.4 25.4 38.0
39 42.7 39.0 58.4





#55

1,1,2-Trichloroethane

Concen: 2.642 ug/l

RT: 10.642 min Scan# 1447

Delta R.T. -0.000 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion: 97 Resp: 661

Ion Ratio Lower Upper

97 100

83 88.9 69.0 103.6

85 62.3 44.9 67.3

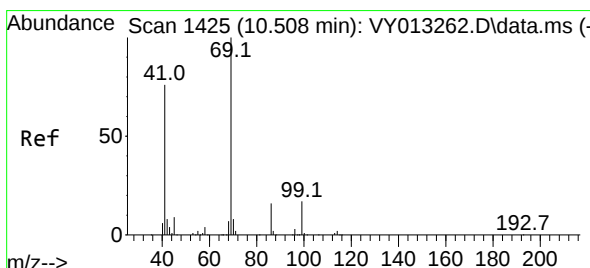
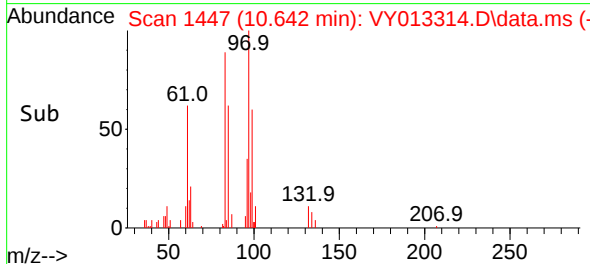
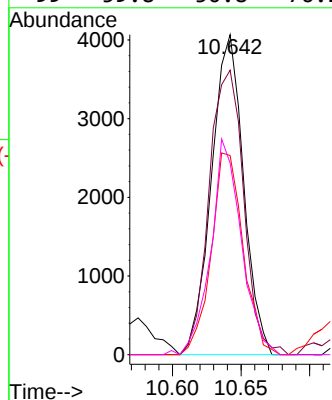
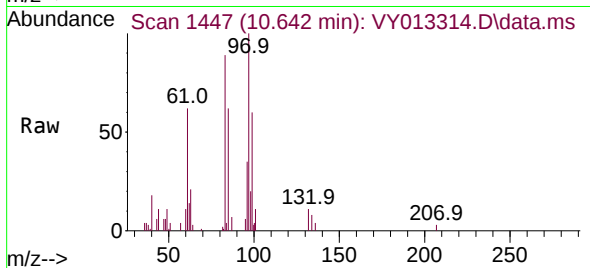
99 59.8 50.8 76.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#56

Ethyl methacrylate

Concen: 2.411 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. -0.000 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

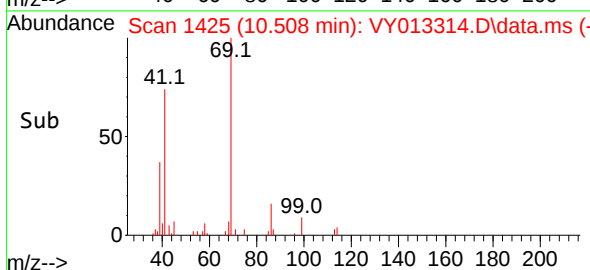
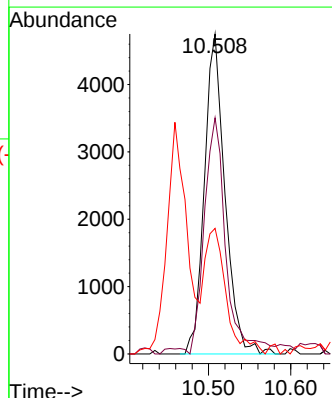
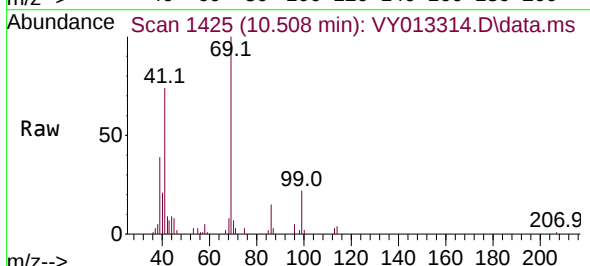
Tgt Ion: 69 Resp: 8261

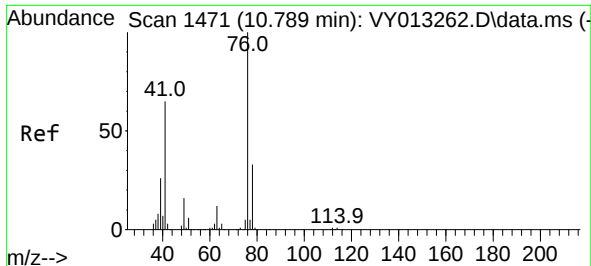
Ion Ratio Lower Upper

69 100

41 77.5 56.4 84.6

39 40.3 30.8 46.2





#57

1,3-Dichloropropane

Concen: 2.634 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion: 76 Resp: 11210

Ion Ratio Lower Upper

76 100

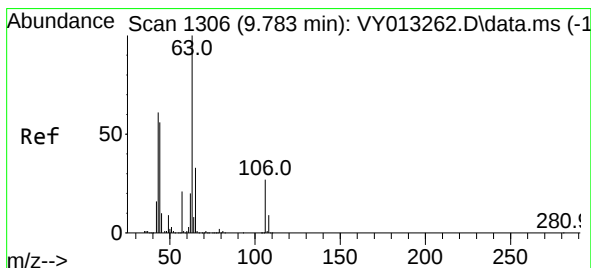
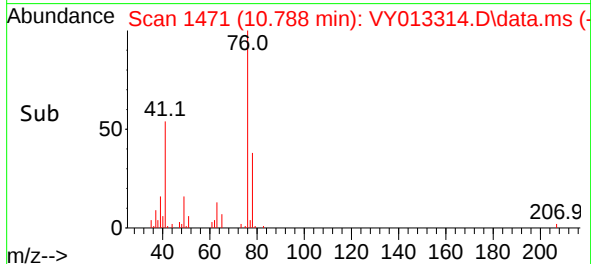
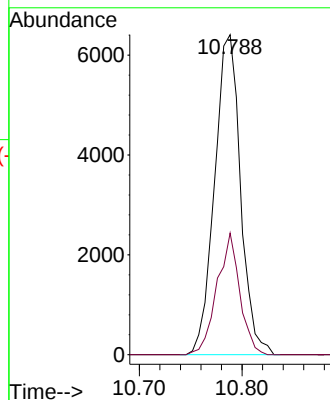
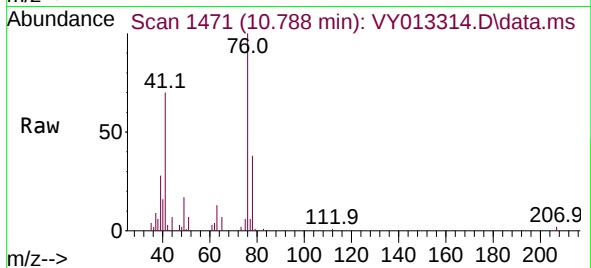
78 33.4 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#58

2-Chloroethyl Vinyl ether

Concen: 12.076 ug/l

RT: 9.776 min Scan# 1305

Delta R.T. -0.006 min

Lab File: VY013314.D

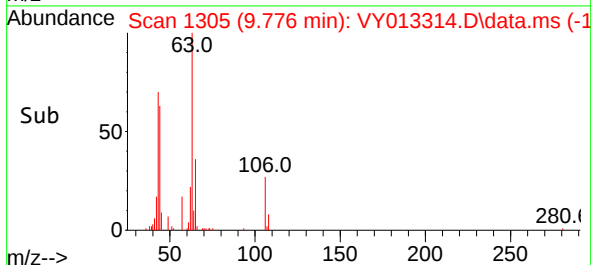
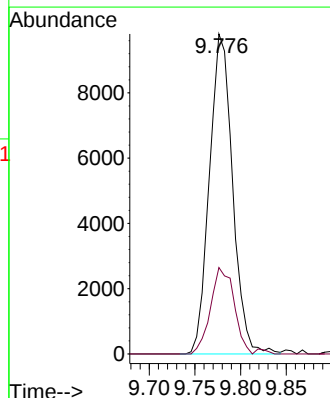
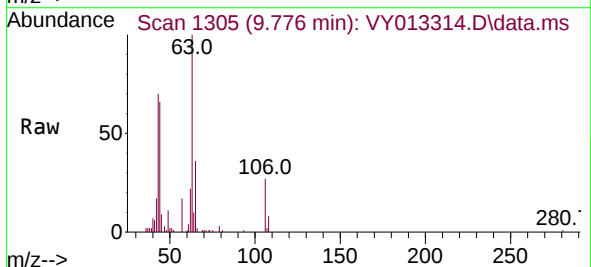
Acq: 14 Apr 2023 13:23

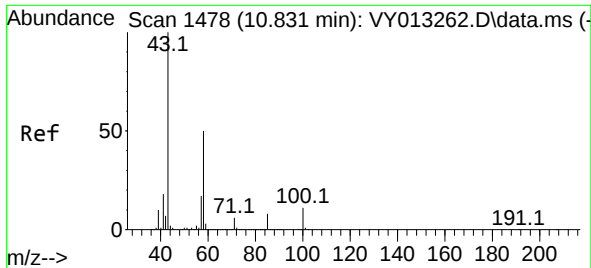
Tgt Ion: 63 Resp: 17278

Ion Ratio Lower Upper

63 100

106 27.4 22.1 33.1





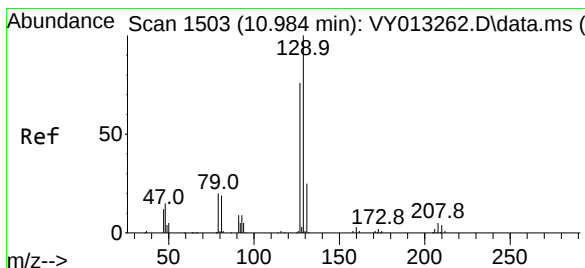
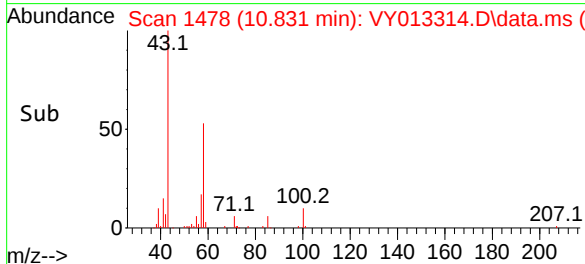
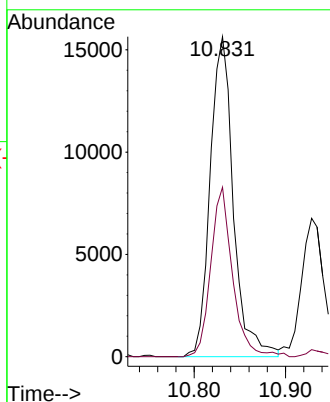
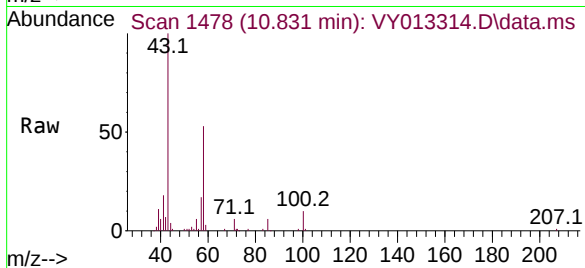
#59
2-Hexanone
Concen: 12.390 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2023

Tgt Ion: 43 Resp: 27558
Ion Ratio Lower Upper
43 100
58 49.7 25.9 77.8

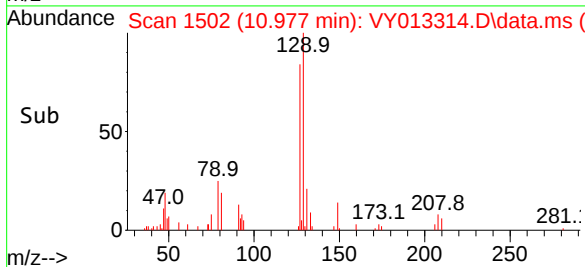
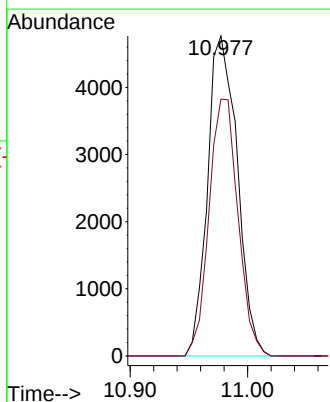
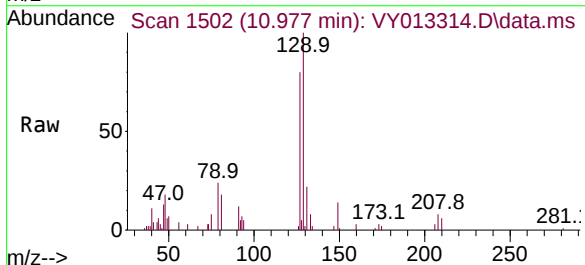
Manual Integrations
APPROVED

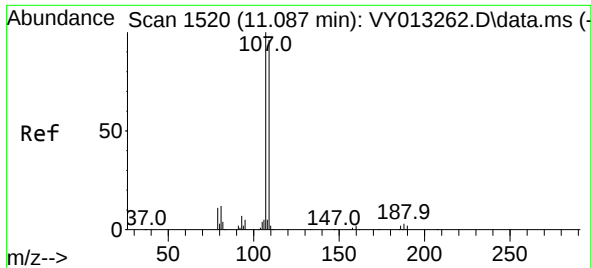
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#60
Dibromochloromethane
Concen: 2.677 ug/l
RT: 10.977 min Scan# 1502
Delta R.T. -0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Tgt Ion:129 Resp: 8399
Ion Ratio Lower Upper
129 100
127 78.2 38.7 116.1





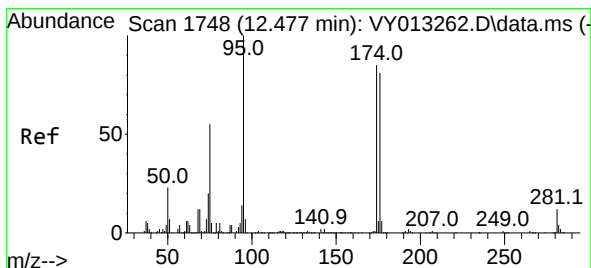
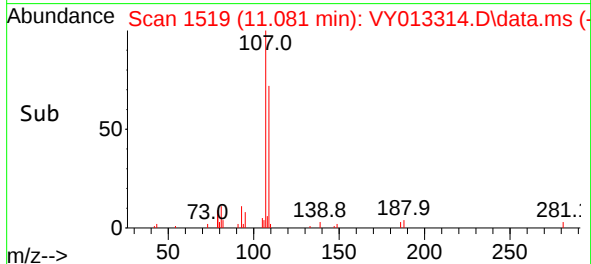
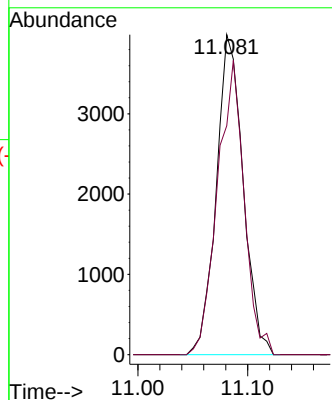
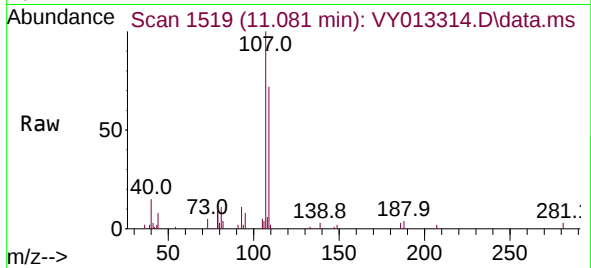
#61
1,2-Dibromoethane
Concen: 2.779 ug/l
RT: 11.081 min Scan# 1519
Delta R.T. -0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:107 Resp: 677
Ion Ratio Lower Upper
107 100
109 91.3 75.0 112.6

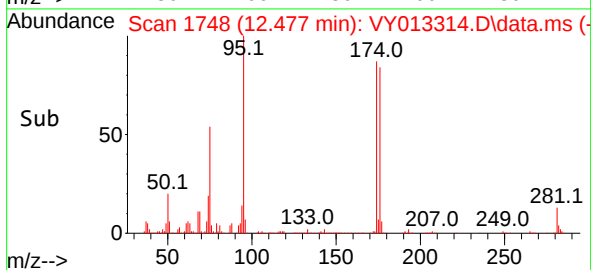
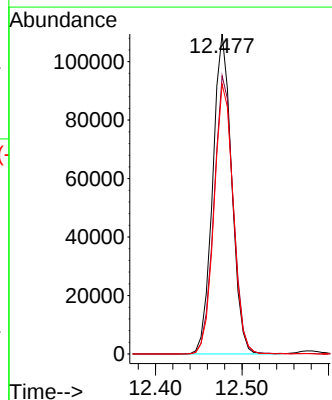
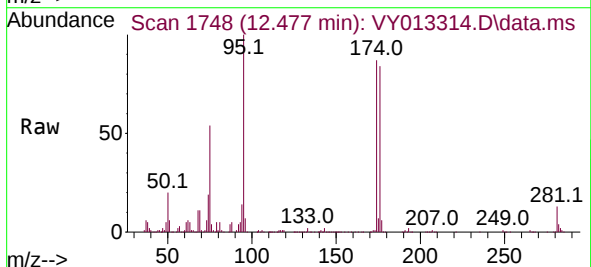
Manual Integrations
APPROVED

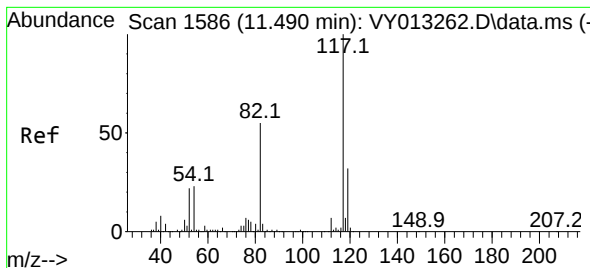
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#62
4-Bromofluorobenzene
Concen: 49.648 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

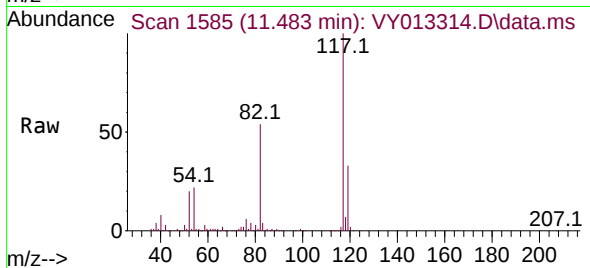
Tgt Ion: 95 Resp: 166383
Ion Ratio Lower Upper
95 100
174 88.2 0.0 176.6
176 85.3 0.0 170.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

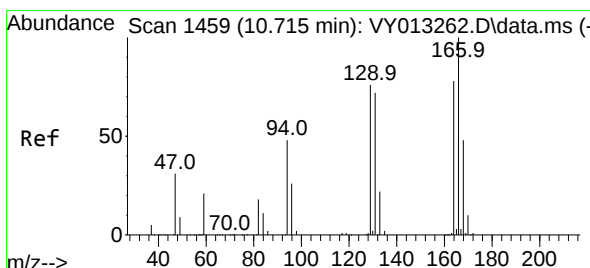
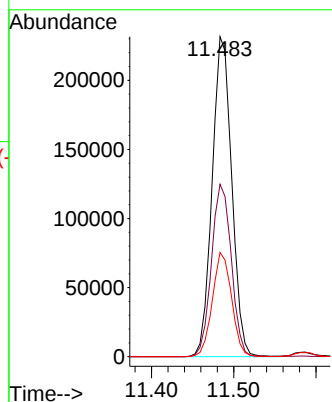
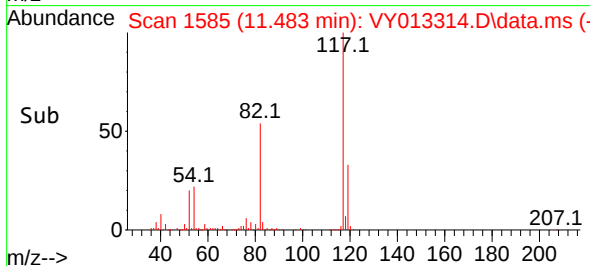
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:117 Resp: 383360
Ion Ratio Lower Upper
117 100
82 53.9 45.4 68.0
119 32.5 25.6 38.4

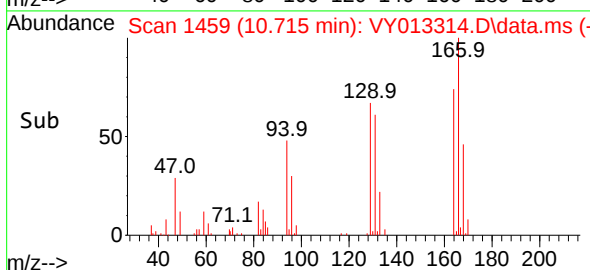
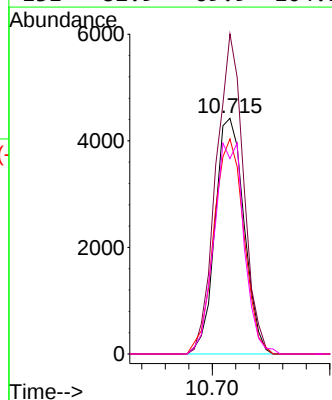
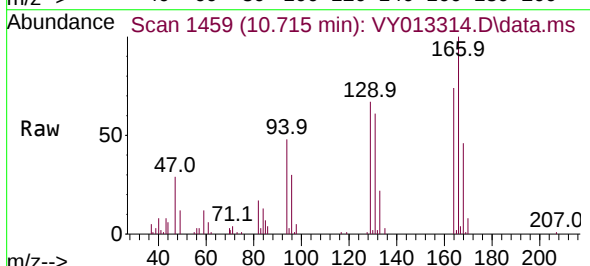
Manual Integrations
APPROVED

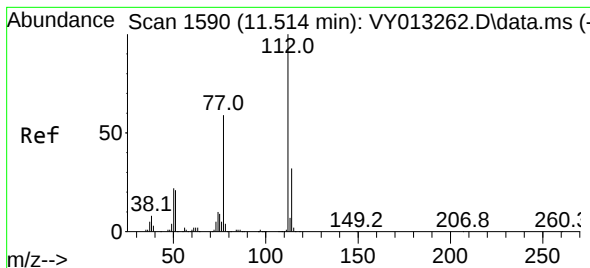
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#64
Tetrachloroethene
Concen: 2.801 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

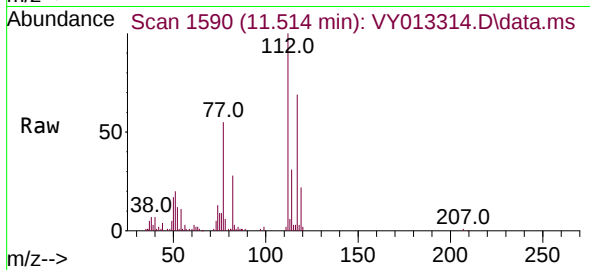
Tgt Ion:164 Resp: 7576
Ion Ratio Lower Upper
164 100
166 135.8 103.4 155.2
129 91.2 71.4 107.2
131 82.9 69.9 104.9





#65
Chlorobenzene
Concen: 2.781 ug/l
RT: 11.514 min Scan# 11590
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

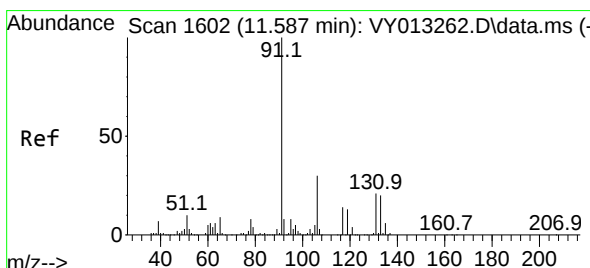
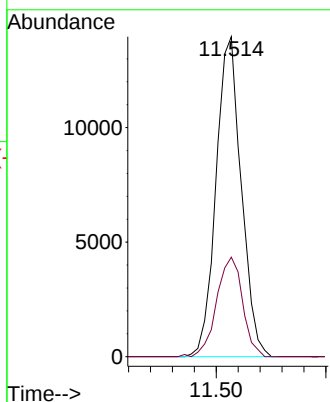
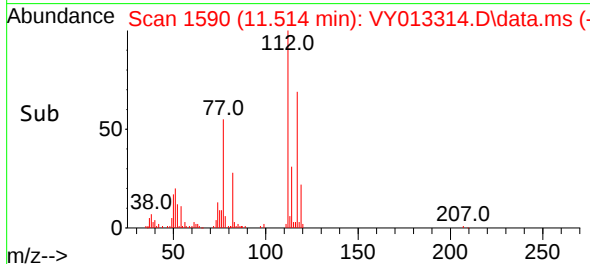
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2023



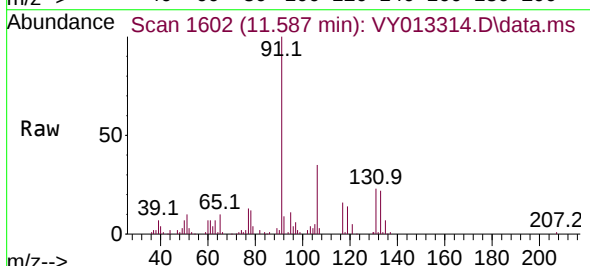
Tgt Ion:112 Resp: 22304
Ion Ratio Lower Upper
112 100
114 31.1 24.5 36.7

Manual Integrations
APPROVED

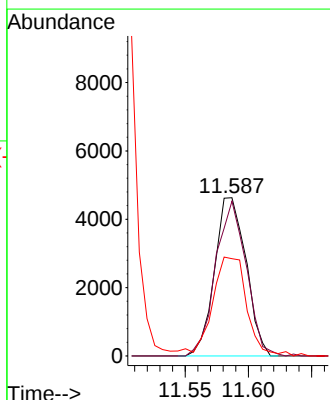
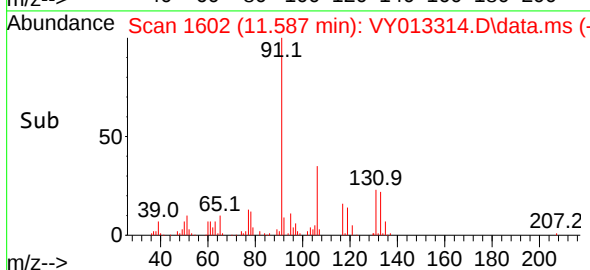
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023

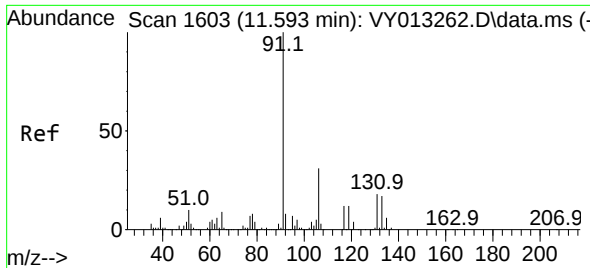


#66
1,1,1,2-Tetrachloroethane
Concen: 2.660 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23



Tgt Ion:131 Resp: 8004
Ion Ratio Lower Upper
131 100
133 95.6 48.0 144.0
119 68.4 32.6 98.0





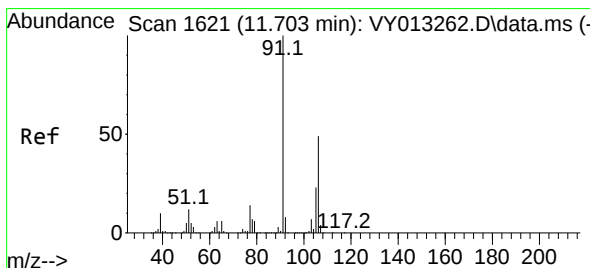
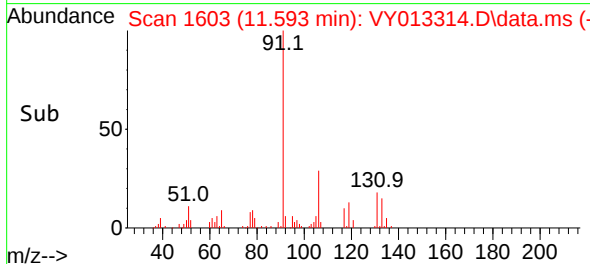
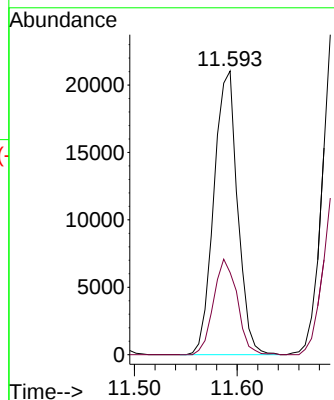
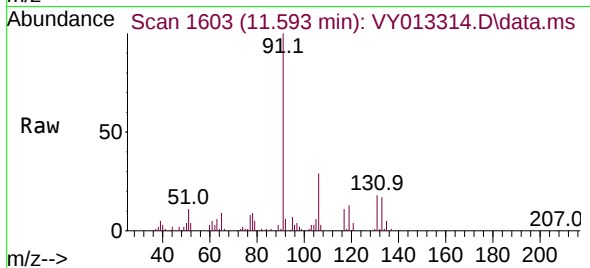
#67
Ethyl Benzene
Concen: 2.412 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion: 91 Resp: 3369
Ion Ratio Lower Upper
91 100
106 28.9 25.1 37.7

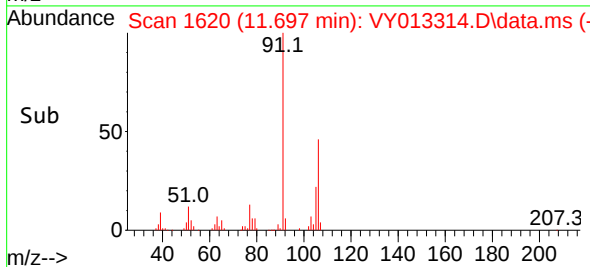
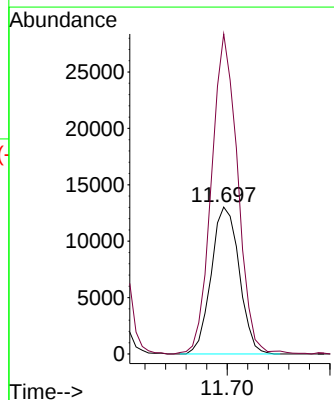
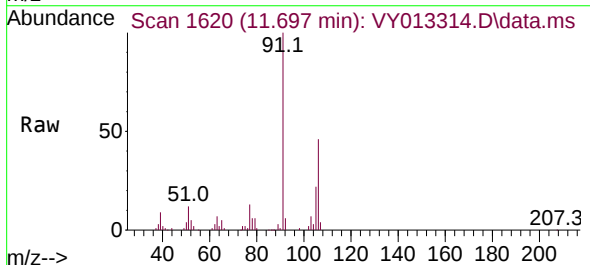
Manual Integrations
APPROVED

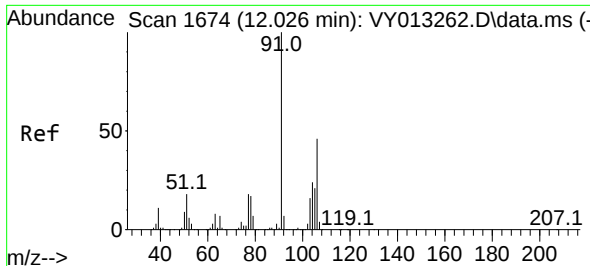
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#68
m/p-Xylenes
Concen: 4.601 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Tgt Ion:106 Resp: 24591
Ion Ratio Lower Upper
106 100
91 204.2 159.8 239.8





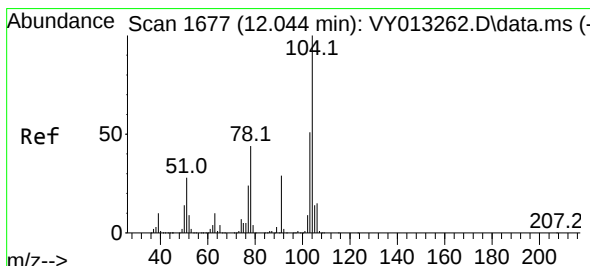
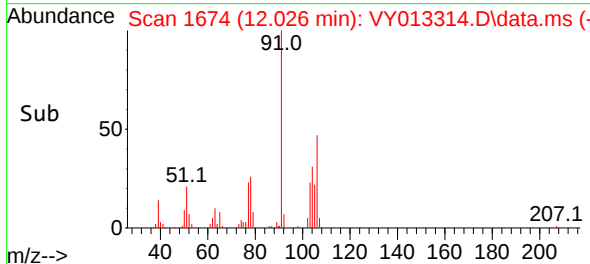
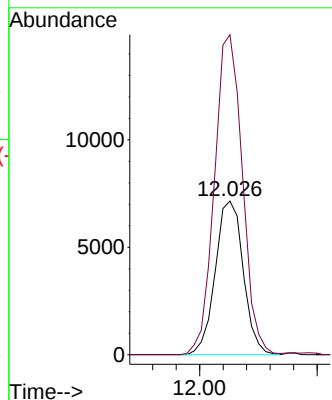
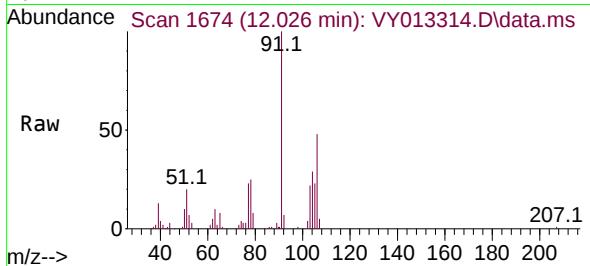
#69
o-Xylene
Concen: 2.388 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:106 Resp: 1182
Ion Ratio Lower Upper
106 100
91 208.2 107.2 321.6

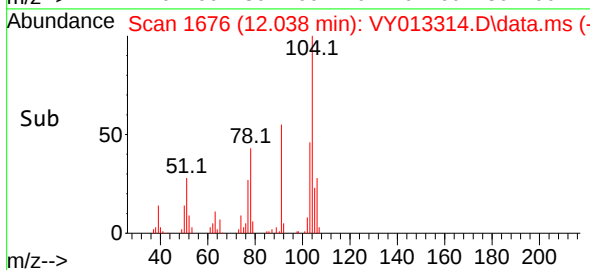
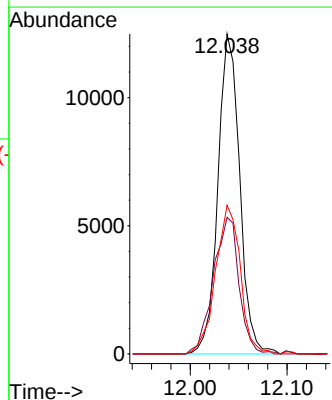
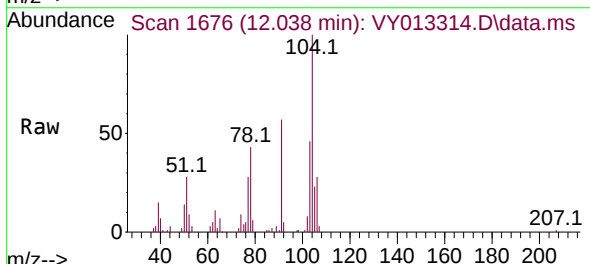
Manual Integrations
APPROVED

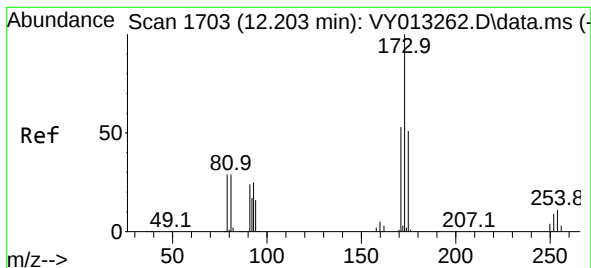
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#70
Styrene
Concen: 2.336 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. -0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Tgt Ion:104 Resp: 19529
Ion Ratio Lower Upper
104 100
78 50.4 39.2 58.8
103 52.7 43.7 65.5





#71

Bromoform

Concen: 2.692 ug/l

RT: 12.203 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

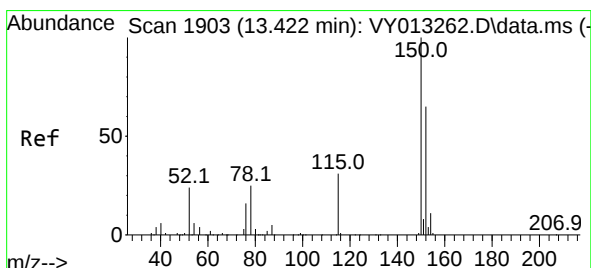
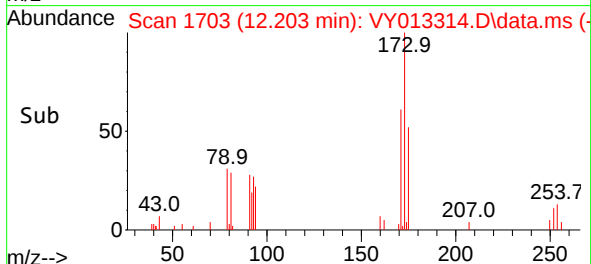
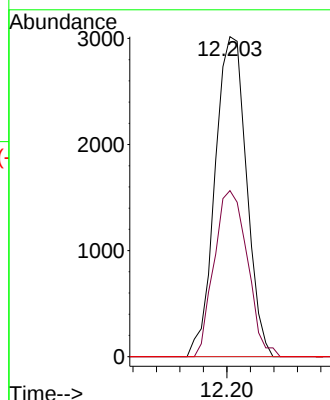
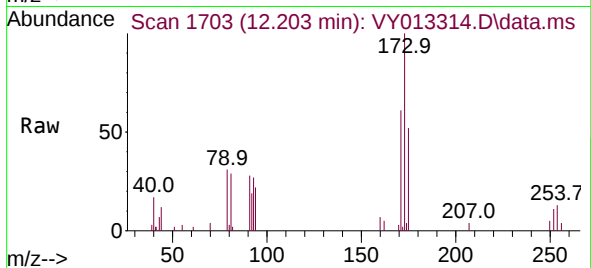
Tgt Ion:173	Resp: 561
Ion Ratio	Lower Upper
173 100	
175 54.7	25.0 75.0
254 0.0	0.2 0.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

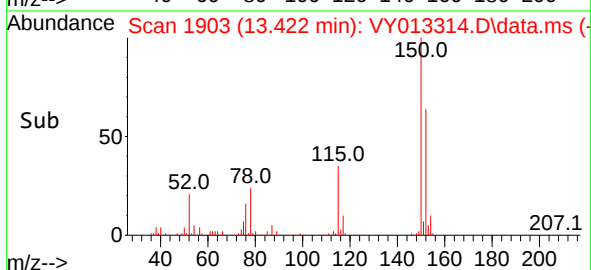
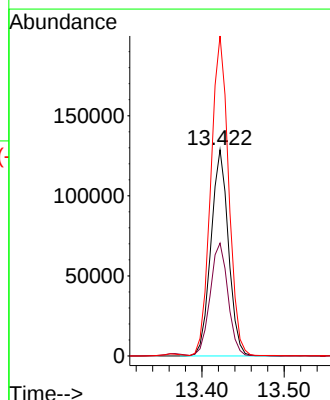
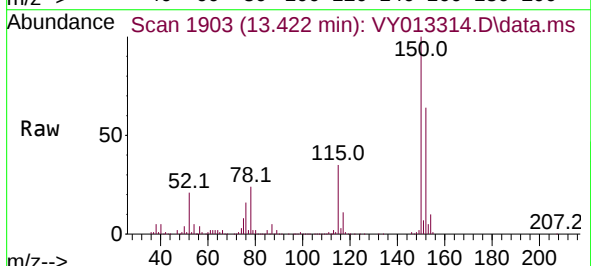
RT: 13.422 min Scan# 1903

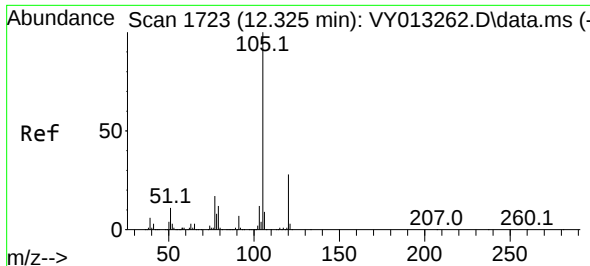
Delta R.T. -0.000 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

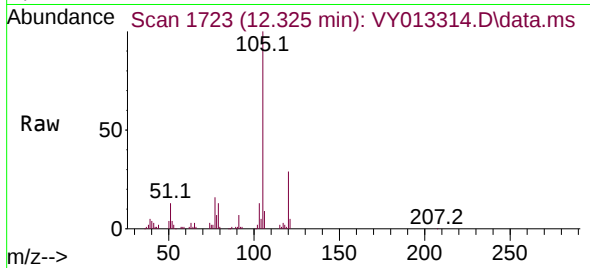
Tgt Ion:152	Resp: 190541
Ion Ratio	Lower Upper
152 100	
115 55.8	27.1 81.3
150 158.3	0.0 347.8





#73
Isopropylbenzene
Concen: 2.377 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

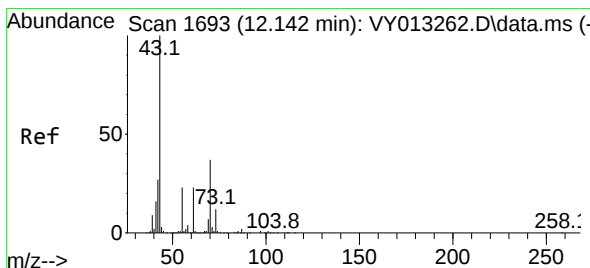
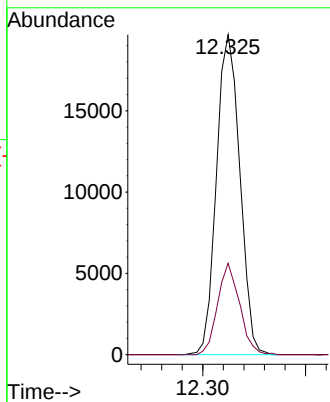
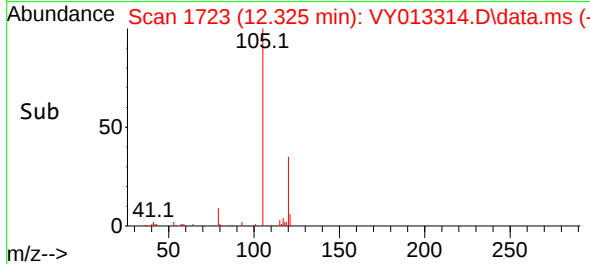
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2023



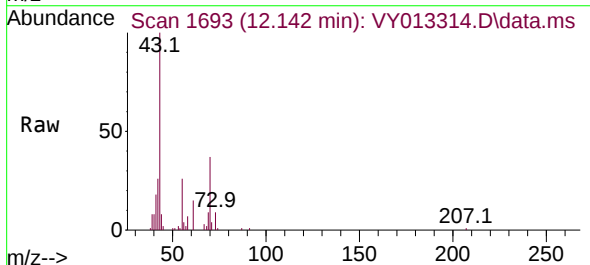
Tgt Ion:105 Resp: 31060
Ion Ratio Lower Upper
105 100
120 26.9 13.4 40.2

Manual Integrations
APPROVED

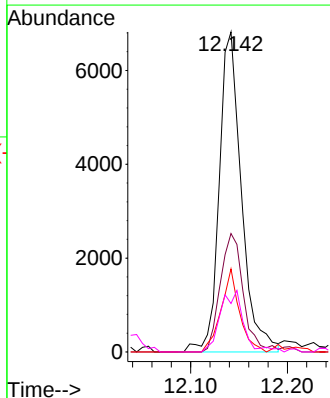
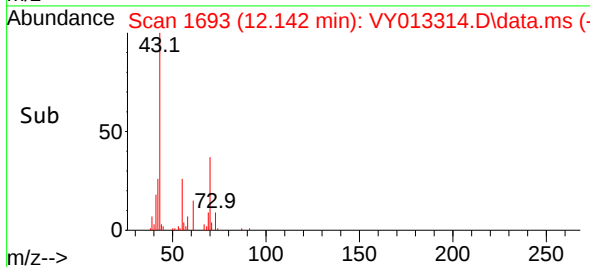
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023

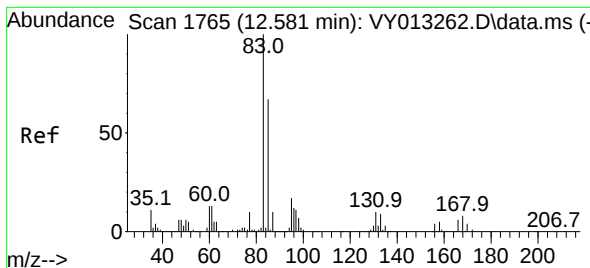


#74
N-ethyl acetate
Concen: 2.330 ug/l
RT: 12.142 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23



Tgt Ion: 43 Resp: 10864
Ion Ratio Lower Upper
43 100
70 38.3 31.6 47.4
55 21.6 18.8 28.2
61 19.2 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 2.831 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. -0.000 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

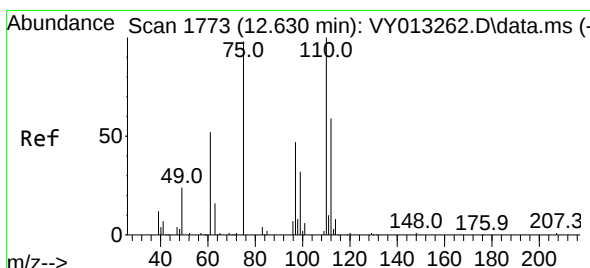
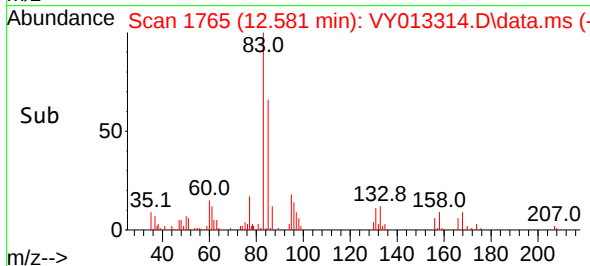
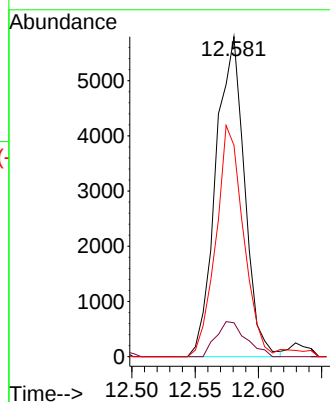
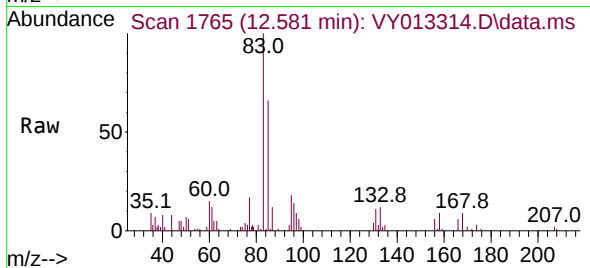
Tgt Ion: 83	Resp: 9139
Ion Ratio	Lower Upper
83	100
131	11.4 5.1 15.2
85	69.2 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#76

1,2,3-Trichloropropane

Concen: 3.393 ug/l m

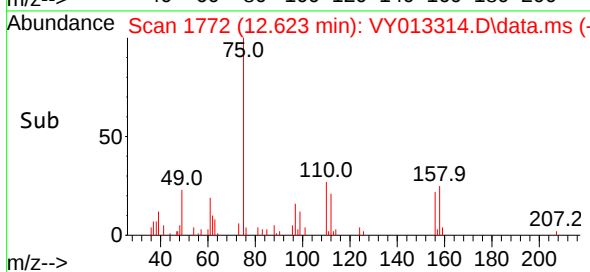
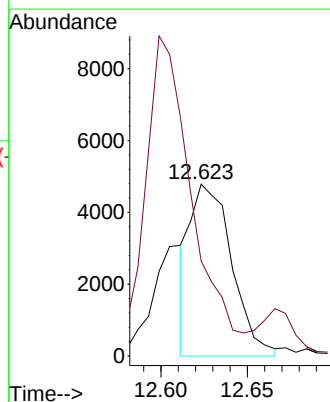
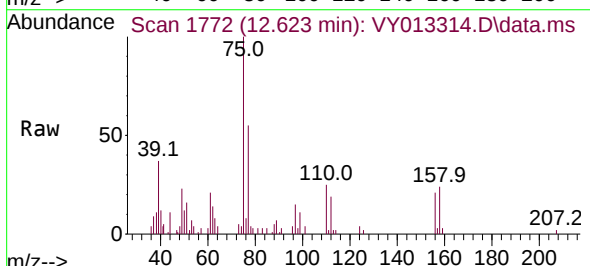
RT: 12.623 min Scan# 1772

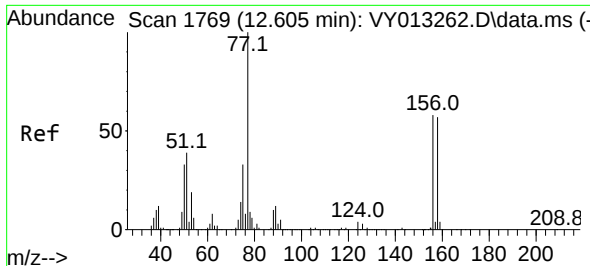
Delta R.T. -0.006 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Tgt Ion: 75	Resp: 8057
Ion Ratio	Lower Upper
75	100
77	0.0 0.0 0.0





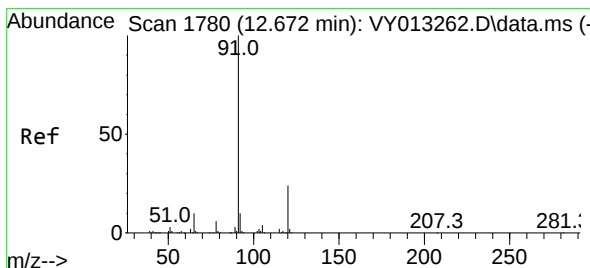
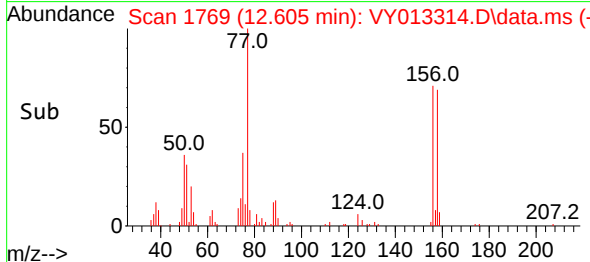
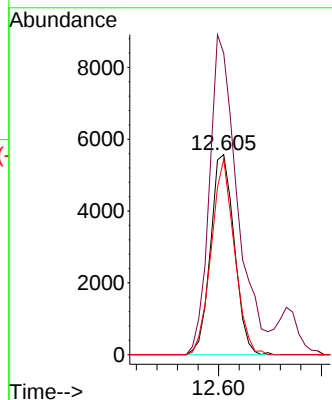
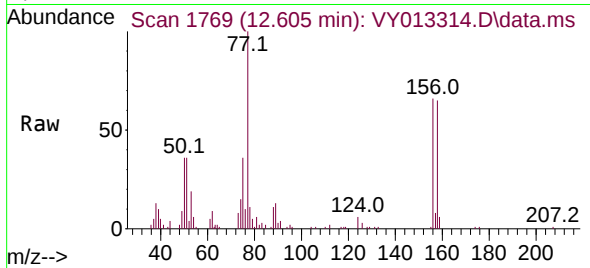
#77
Bromobenzene
Concen: 2.729 ug/l
RT: 12.605 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion	Ratio	Lower	Upper
156	100		
77	187.2	94.0	282.1
158	95.4	48.1	144.4

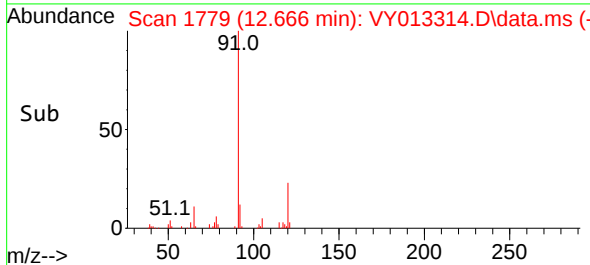
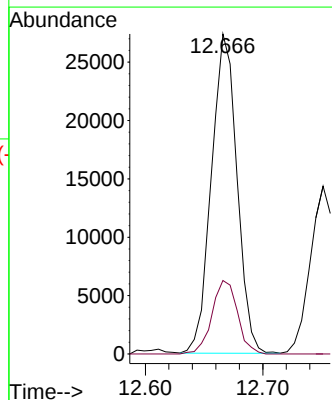
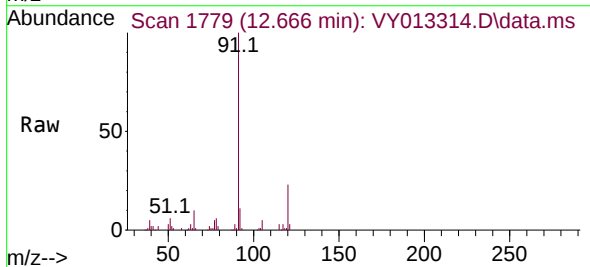
Manual Integrations
APPROVED

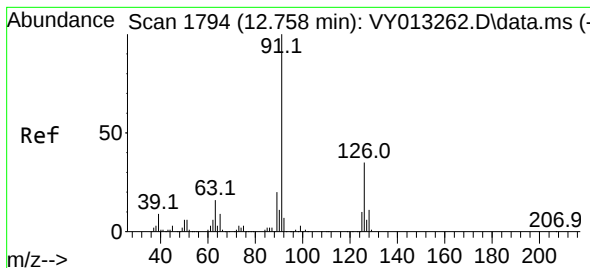
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#78
n-propylbenzene
Concen: 2.568 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.6	34.8





#79

2-Chlorotoluene

Concen: 2.515 ug/l

RT: 12.751 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion: 91 Resp: 2285

Ion Ratio Lower Upper

91 100

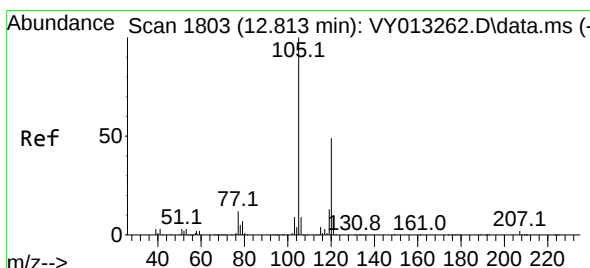
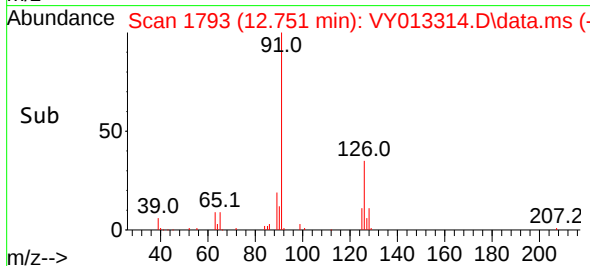
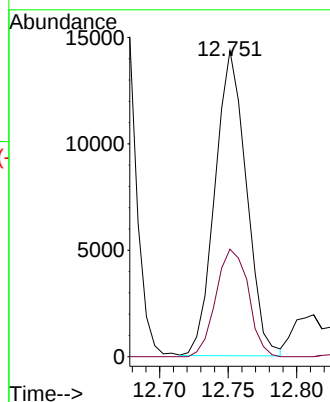
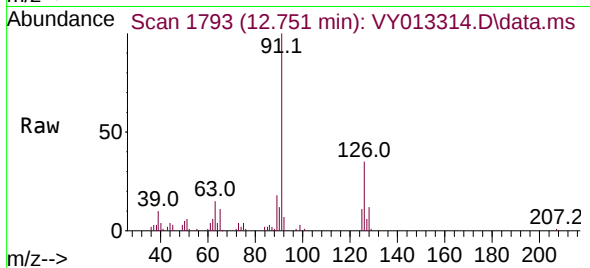
126 36.3 17.4 52.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#80

1,3,5-Trimethylbenzene

Concen: 2.484 ug/l

RT: 12.806 min Scan# 1802

Delta R.T. -0.006 min

Lab File: VY013314.D

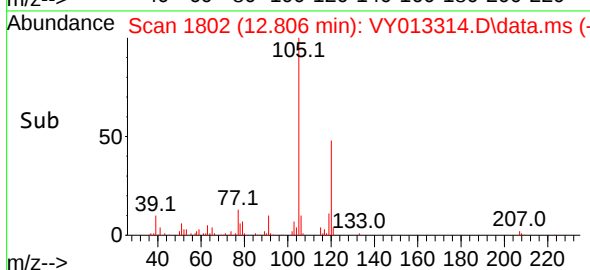
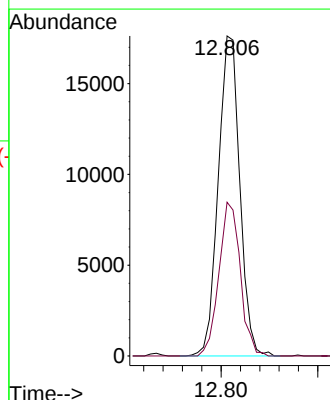
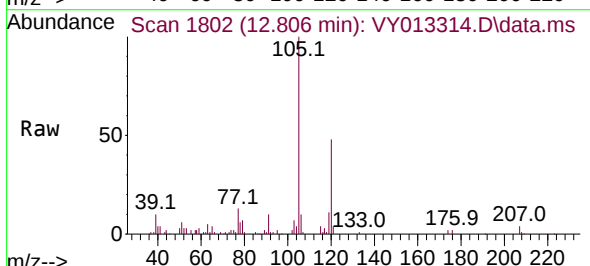
Acq: 14 Apr 2023 13:23

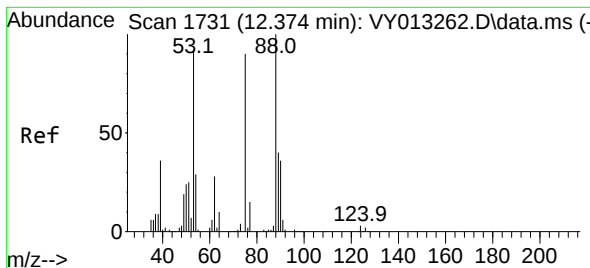
Tgt Ion:105 Resp: 27191

Ion Ratio Lower Upper

105 100

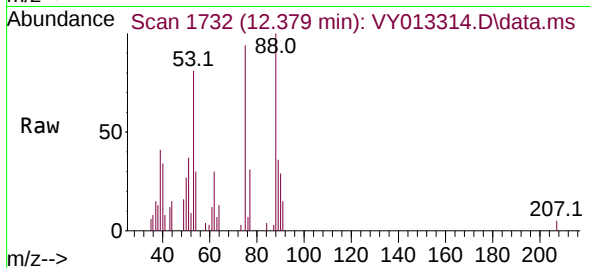
120 47.7 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 2.476 ug/l
RT: 12.379 min Scan# 1731
Delta R.T. 0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

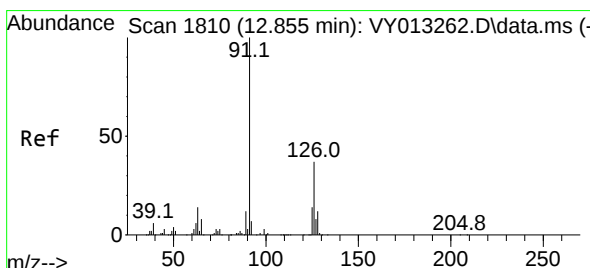
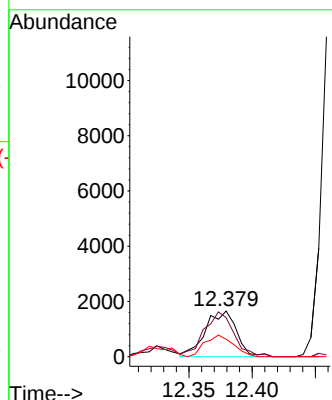
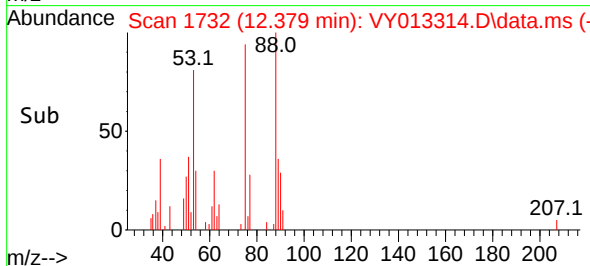
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 75 Resp: 283
Ion Ratio Lower Upper
75 100
53 93.2 73.4 110.0
89 43.1 36.6 55.0

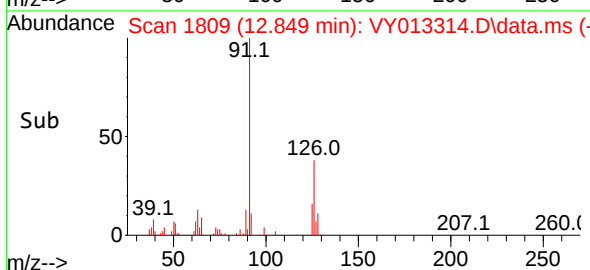
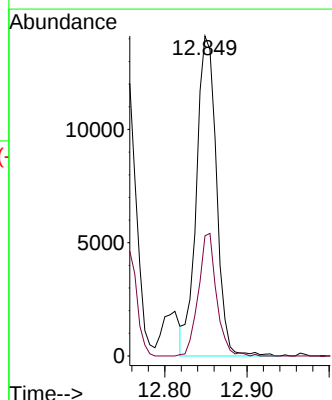
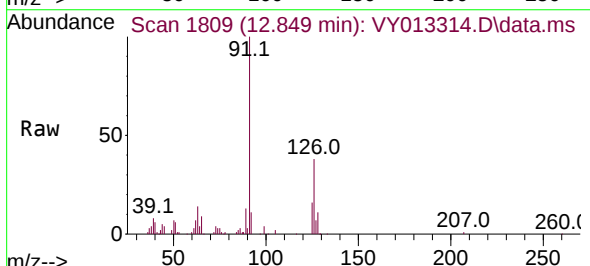
Manual Integrations
APPROVED

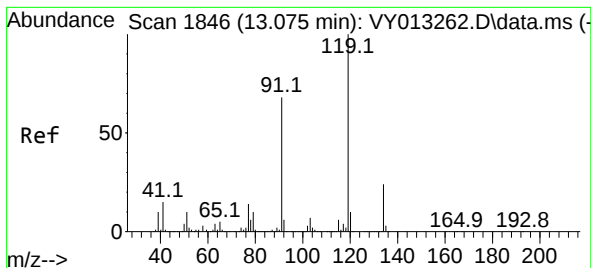
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#82
4-Chlorotoluene
Concen: 2.490 ug/l
RT: 12.849 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Tgt Ion: 91 Resp: 23855
Ion Ratio Lower Upper
91 100
126 34.8 17.7 53.1





#83

tert-Butylbenzene

Concen: 2.413 ug/l

RT: 13.068 min Scan# 1846

Delta R.T. -0.006 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

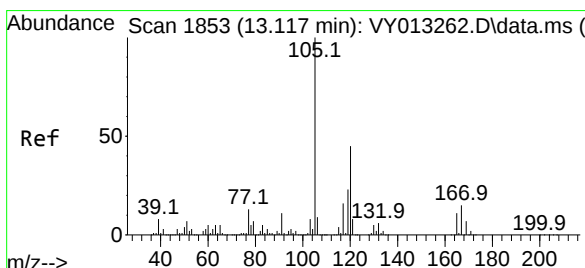
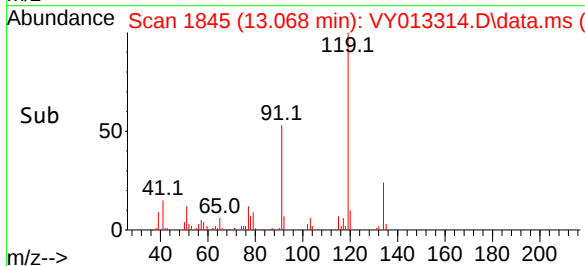
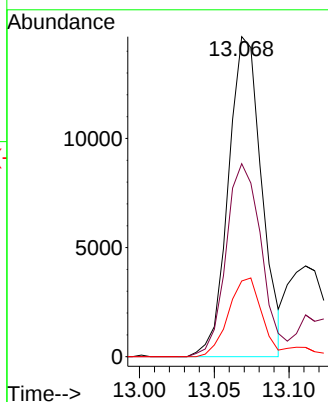
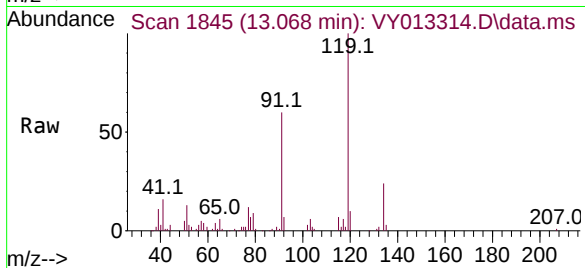
Tgt Ion:	119	Resp:	22669
Ion Ratio	Lower	Upper	
119	100		
91	64.3	32.8	98.3
134	25.0	13.6	40.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#84

1,2,4-Trimethylbenzene

Concen: 2.333 ug/l

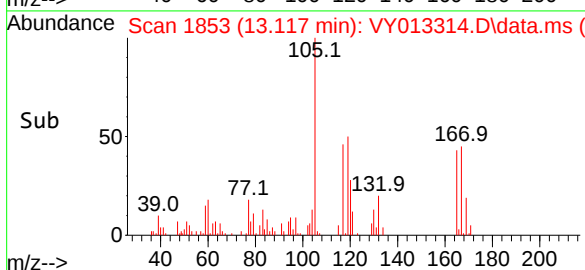
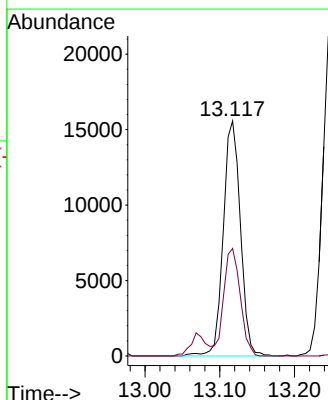
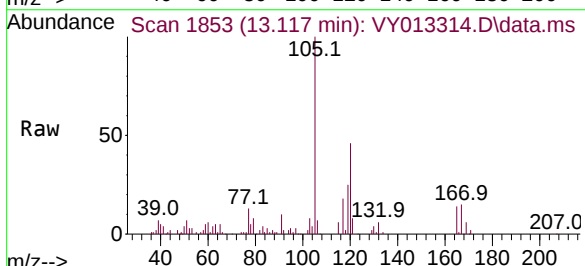
RT: 13.117 min Scan# 1853

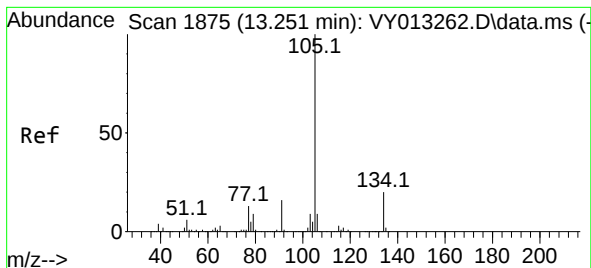
Delta R.T. -0.000 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Tgt Ion:	105	Resp:	24858
Ion Ratio	Lower	Upper	
105	100		
120	44.7	23.0	69.0





#85

sec-Butylbenzene

Concen: 2.435 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion:105 Resp: 3420

Ion Ratio Lower Upper

105 100

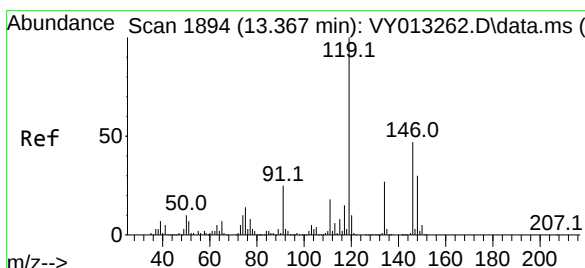
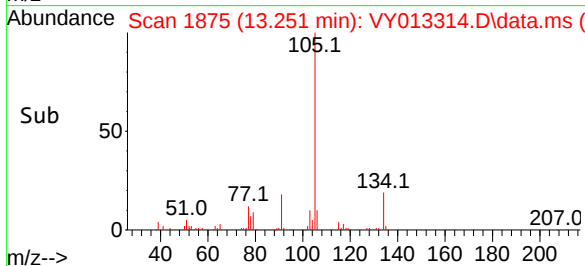
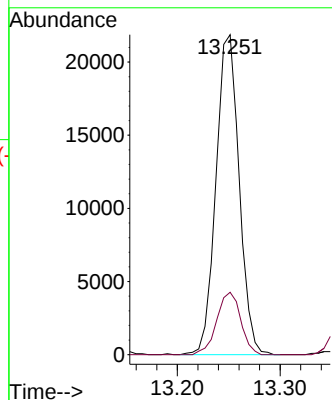
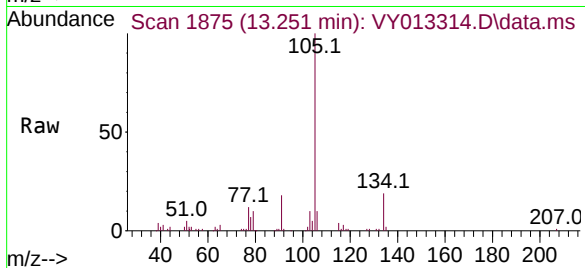
134 20.2 10.4 31.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#86

p-Isopropyltoluene

Concen: 2.378 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

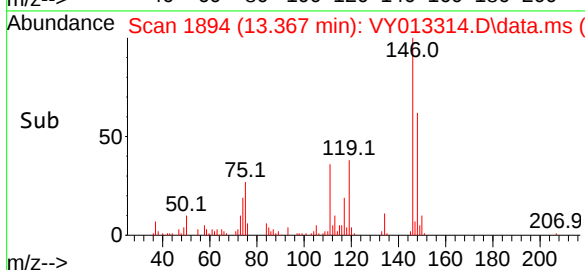
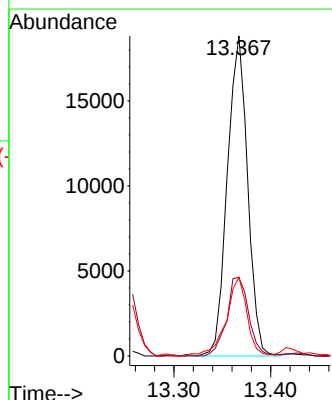
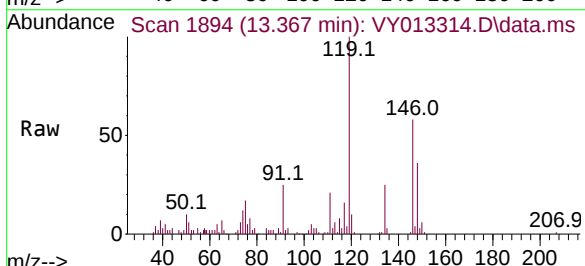
Tgt Ion:119 Resp: 27408

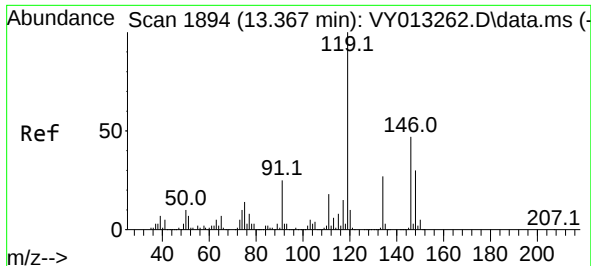
Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.6

91 25.1 11.8 35.3





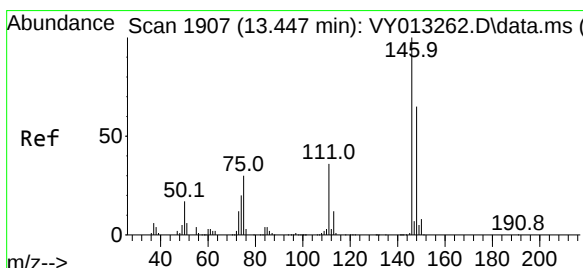
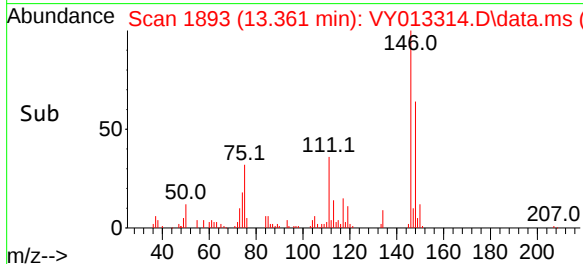
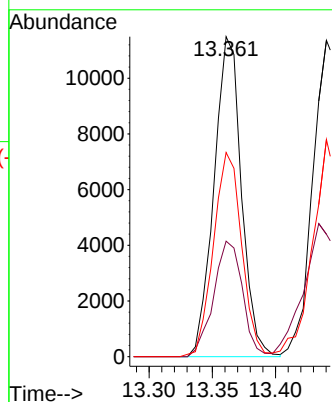
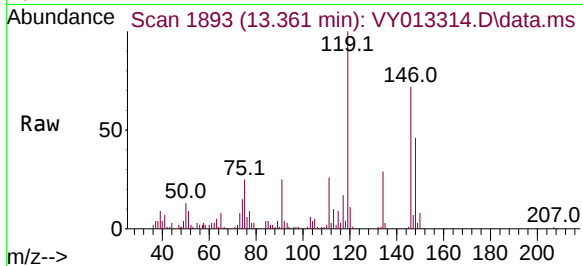
#87
1,3-Dichlorobenzene
Concen: 2.748 ug/l
RT: 13.361 min Scan# 1893
Delta R.T. -0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2023

Tgt Ion:146 Resp: 1731
Ion Ratio Lower Upper
146 100
111 38.1 19.1 57.5
148 65.8 31.8 95.3

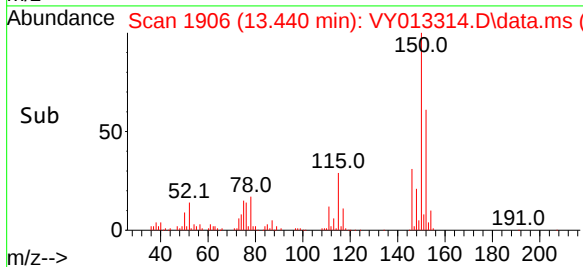
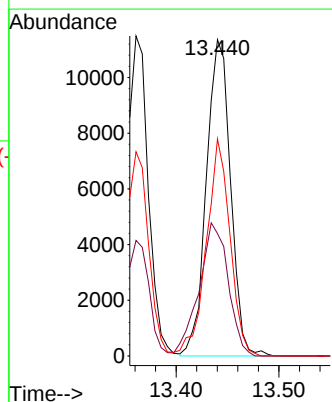
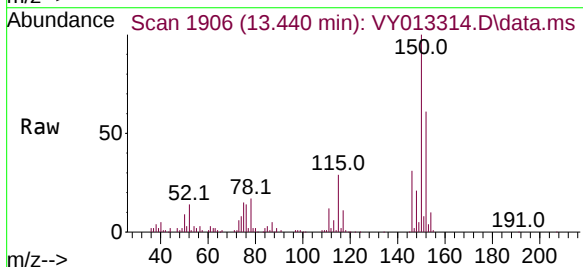
Manual Integrations
APPROVED

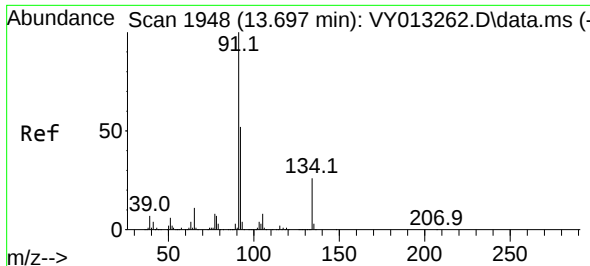
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#88
1,4-Dichlorobenzene
Concen: 2.913 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Tgt Ion:146 Resp: 18549
Ion Ratio Lower Upper
146 100
111 50.7 18.6 55.8
148 67.2 31.5 94.5





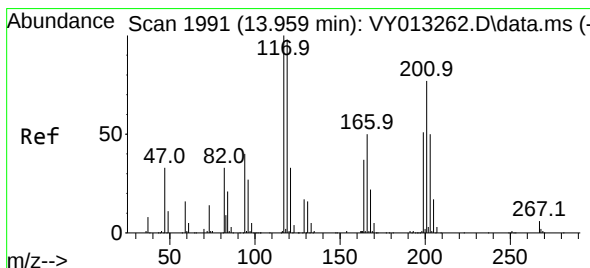
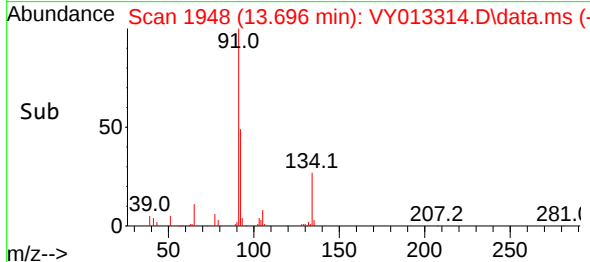
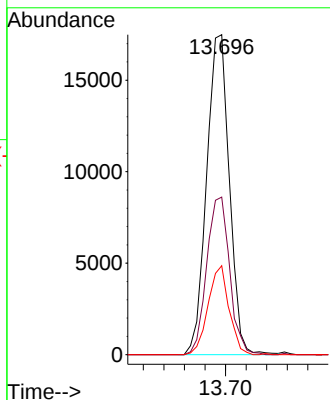
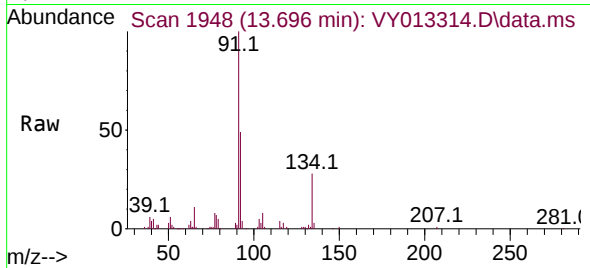
#89
n-Butylbenzene
Concen: 2.435 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2023

Tgt Ion: 91 Resp: 2684
Ion Ratio Lower Upper
91 100
92 49.6 26.4 79.0
134 25.6 13.0 38.9

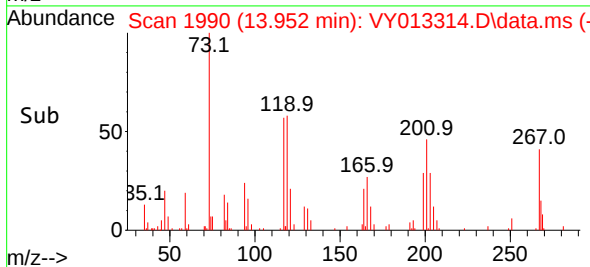
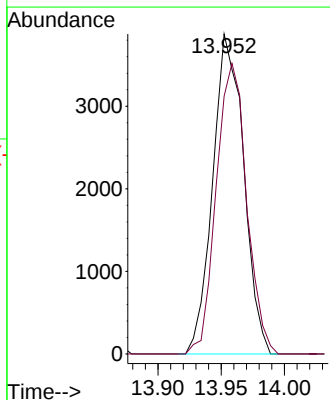
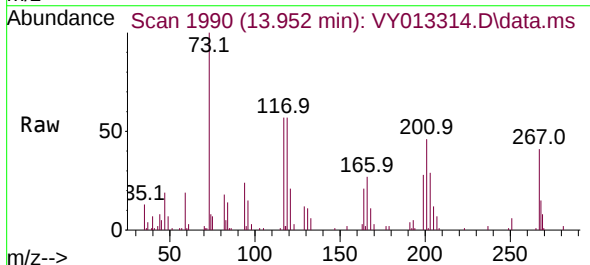
Manual Integrations
APPROVED

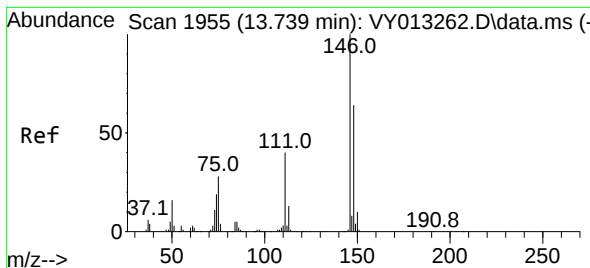
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#90
Hexachloroethane
Concen: 2.742 ug/l
RT: 13.952 min Scan# 1990
Delta R.T. -0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Tgt Ion:117 Resp: 6590
Ion Ratio Lower Upper
117 100
201 89.2 39.4 118.1





#91

1,2-Dichlorobenzene

Concen: 2.695 ug/l

RT: 13.733 min Scan# 1955

Delta R.T. -0.006 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

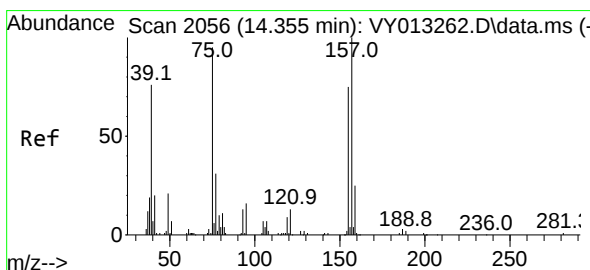
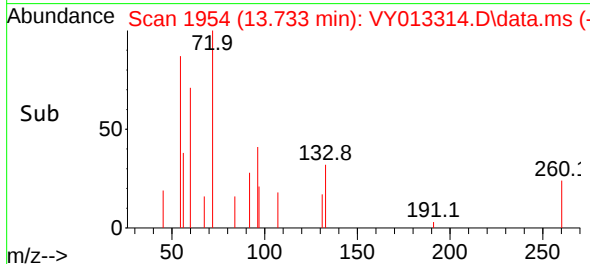
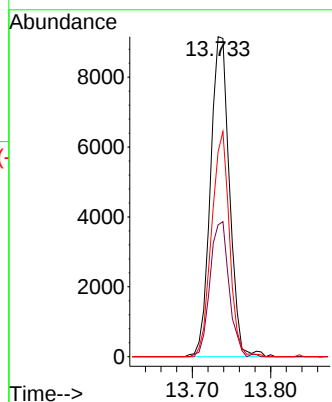
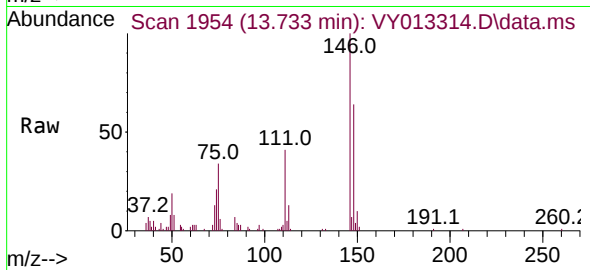
Tgt Ion:	146	Resp:	1545
Ion Ratio	Lower	Upper	
146	100		
111	42.3	19.7	59.1
148	65.8	31.9	95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.136 ug/l

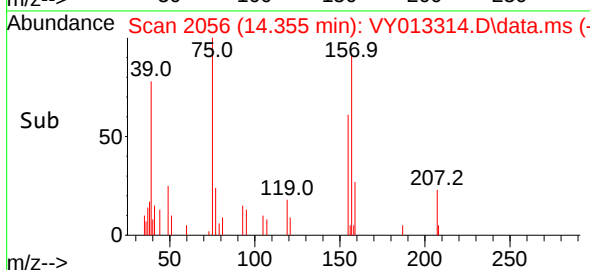
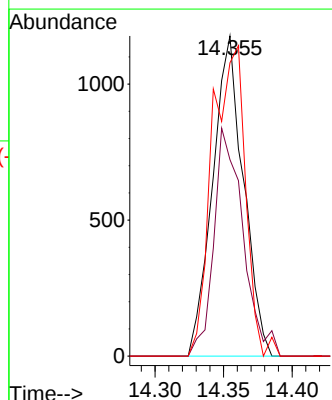
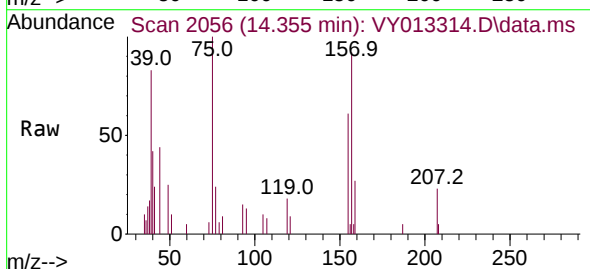
RT: 14.355 min Scan# 2056

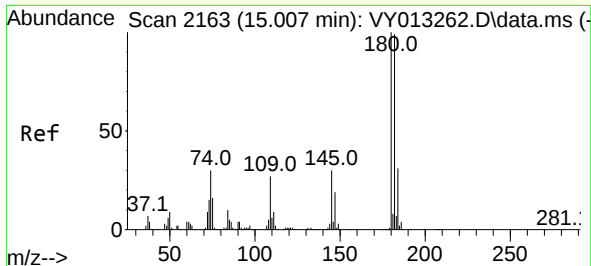
Delta R.T. -0.000 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

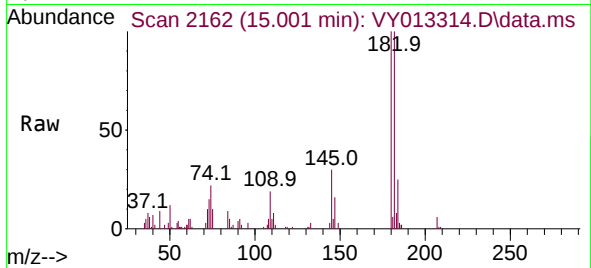
Tgt Ion:	75	Resp:	1839
Ion Ratio	Lower	Upper	
75	100		
155	67.3	43.8	131.4
157	104.5	54.1	162.3





#93
1,2,4-Trichlorobenzene
Concen: 2.938 ug/l
RT: 15.001 min Scan# 2162
Delta R.T. -0.006 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

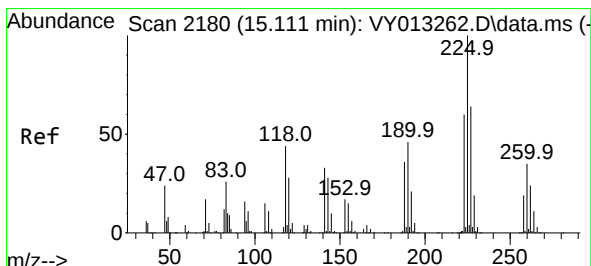
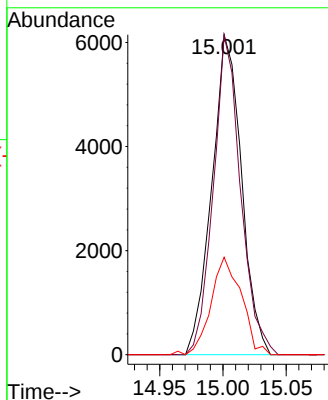
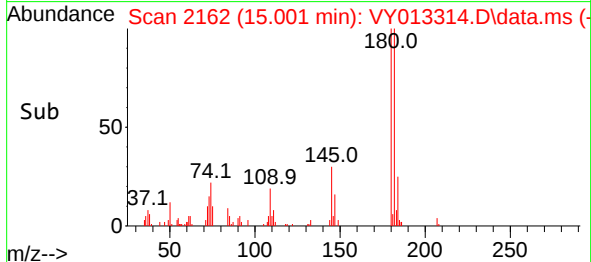
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:180 Resp: 1001
Ion Ratio Lower Upper
180 100
182 91.7 46.7 140.1
145 31.2 14.6 43.8

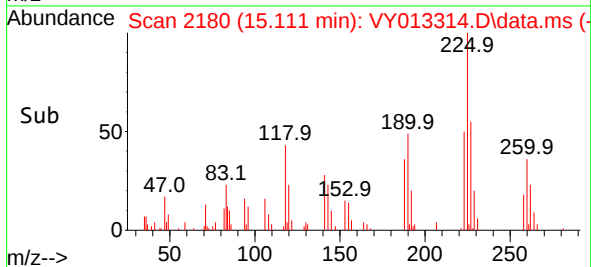
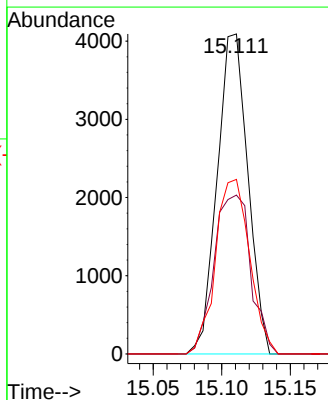
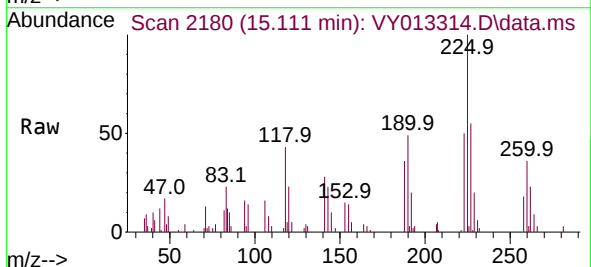
Manual Integrations
APPROVED

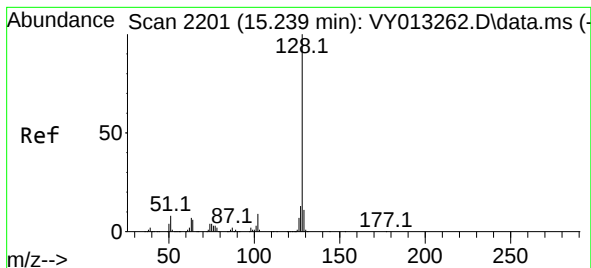
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#94
Hexachlorobutadiene
Concen: 3.161 ug/l
RT: 15.111 min Scan# 2180
Delta R.T. -0.000 min
Lab File: VY013314.D
Acq: 14 Apr 2023 13:23

Tgt Ion:225 Resp: 6378
Ion Ratio Lower Upper
225 100
223 59.6 31.1 93.3
227 60.6 32.4 97.0





#95

Naphthalene

Concen: 2.629 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.006 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

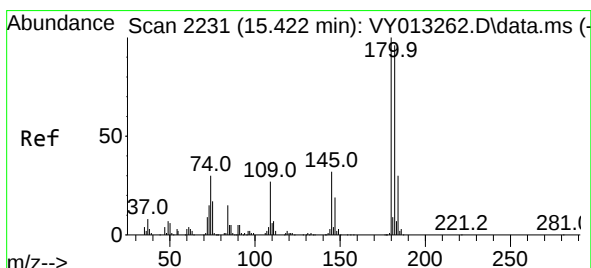
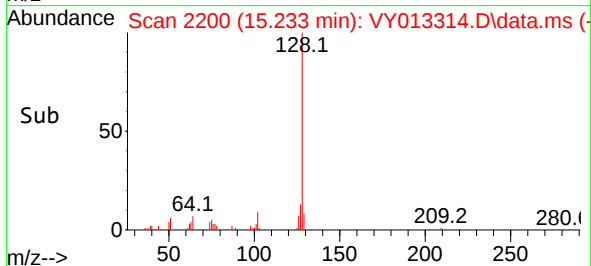
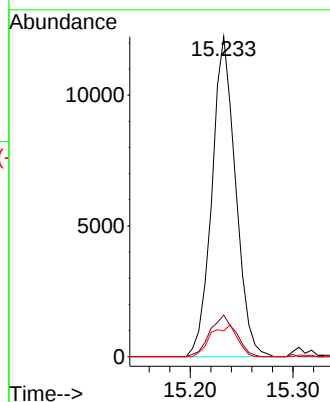
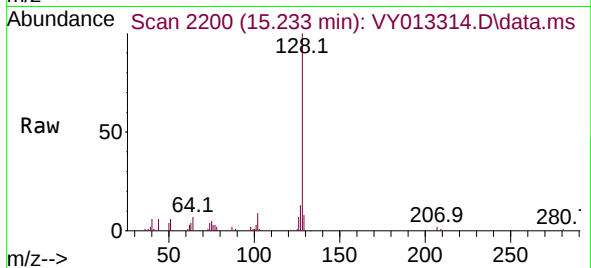
Tgt Ion:128	Resp:	1951
Ion Ratio	Lower	Upper
128	100	
127	14.3	10.3 15.5
129	11.2	8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#96

1,2,3-Trichlorobenzene

Concen: 3.038 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY013314.D

Acq: 14 Apr 2023 13:23

Tgt Ion:180	Resp:	9430
Ion Ratio	Lower	Upper
180	100	
182	91.8	47.4 142.3
145	31.2	15.3 45.8

