

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032622\
 Data File : VY008039.D
 Acq On : 26 Mar 2022 12:32
 Operator : SY/MD
 Sample : N1645-02 5.0ppb
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2022

Quant Time: Mar 28 09:49:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 28 09:49:08 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/28/2022
 Supervised By : Mahesh Dadoda 03/28/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	174111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	295969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	259845	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	119303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	86528	49.534	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.060%		
35) Dibromofluoromethane	7.716	113	88864	47.889	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.780%		
50) Toluene-d8	10.179	98	338174	48.372	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.740%		
62) 4-Bromofluorobenzene	12.483	95	114209	46.304	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	6792	4.327	ug/l	96
3) Chloromethane	2.113	50	9361	4.898	ug/l	93
4) Vinyl Chloride	2.253	62	12369	4.864	ug/l	94
5) Bromomethane	2.650	94	11622	5.577	ug/l	94
6) Chloroethane	2.796	64	8209	4.907	ug/l	97
7) Trichlorofluoromethane	3.125	101	16031	4.983	ug/l	96
8) Diethyl Ether	3.528	74	5097	4.893	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.899	101	10106	5.065	ug/l	90
10) Methyl Iodide	4.095	142	8720	4.230	ug/l	88
11) Tert butyl alcohol	4.948	59	4323	23.852	ug/l	96
12) 1,1-Dichloroethene	3.875	96	9363	5.068	ug/l	91
13) Acrolein	3.729	56	3643	24.695	ug/l	98
14) Allyl chloride	4.485	41	12005	4.939	ug/l #	92
15) Acrylonitrile	5.161	53	11752	23.684	ug/l	97
16) Acetone	3.948	43	9704	24.304	ug/l #	85
17) Carbon Disulfide	4.192	76	24746	4.728	ug/l	100
18) Methyl Acetate	4.472	43	9232	6.873	ug/l #	85
19) Methyl tert-butyl Ether	5.228	73	25790	4.913	ug/l	95
20) Methylene Chloride	4.716	84	19037	8.122	ug/l #	76
21) trans-1,2-Dichloroethene	5.216	96	11080	5.180	ug/l #	78
22) Diisopropyl ether	6.119	45	26755	5.117	ug/l #	89
23) Vinyl Acetate	6.058	43	67747	20.909	ug/l #	82
24) 1,1-Dichloroethane	6.015	63	17696	5.112	ug/l	98
25) 2-Butanone	6.990	43	14688	24.173	ug/l #	82
26) 2,2-Dichloropropane	6.984	77	16626	5.071	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	12286	4.955	ug/l	82
28) Bromochloromethane	7.338	49	6740	6.003	ug/l #	71
29) Tetrahydrofuran	7.350	42	9461	23.950	ug/l #	73
30) Chloroform	7.509	83	18813	5.019	ug/l	95
31) Cyclohexane	7.789	56	18979	5.812	ug/l #	61
32) 1,1,1-Trichloroethane	7.698	97	17494	5.051	ug/l	95
36) 1,1-Dichloropropene	7.917	75	14662	5.030	ug/l	96
37) Ethyl Acetate	7.076	43	6483	4.761	ug/l #	88
38) Carbon Tetrachloride	7.899	117	15243	4.799	ug/l	100
39) Methylcyclohexane	9.185	83	19295	4.904	ug/l	87
40) Benzene	8.161	78	41496	4.977	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	3850	5.631	ug/l #	40
42) 1,2-Dichloroethane	8.234	62	11867	5.074	ug/l	90
43) Isopropyl Acetate	8.271	43	12363	4.625	ug/l #	86
44) Trichloroethene	8.941	130	11759	4.877	ug/l	94
45) 1,2-Dichloropropane	9.216	63	10047	5.113	ug/l	99
46) Dibromomethane	9.307	93	6259	4.844	ug/l	93
47) Bromodichloromethane	9.496	83	14334	4.852	ug/l	94
48) Methyl methacrylate	9.295	41	5563	4.699	ug/l #	82
49) 1,4-Dioxane	9.301	88	1569	91.346	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	31886	23.651	ug/l #	86
52) Toluene	10.246	92	27222	4.978	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	14225	4.697	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	17082	4.983	ug/l #	82
55) 1,1,2-Trichloroethane	10.648	97	8499	4.764	ug/l	89
56) Ethyl methacrylate	10.508	69	10544	4.531	ug/l #	77
57) 1,3-Dichloropropane	10.788	76	13946	4.776	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	26466	27.447	ug/l #	89
59) 2-Hexanone	10.831	43	21673	22.973	ug/l	83
60) Dibromochloromethane	10.984	129	9863	4.545	ug/l	100
61) 1,2-Dibromoethane	11.087	107	8194	4.611	ug/l	98
64) Tetrachloroethene	10.721	164	10390	5.206	ug/l	94
65) Chlorobenzene	11.514	112	29214	4.986	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	9699	4.488	ug/l	92
67) Ethyl Benzene	11.593	91	51318	4.997	ug/l	98
68) m/p-Xylenes	11.703	106	39934	9.780	ug/l	97
69) o-Xylene	12.032	106	18926	4.841	ug/l	95
70) Styrene	12.044	104	30937	4.834	ug/l	95
71) Bromoform	12.209	173	5488	4.206	ug/l #	98
73) Isopropylbenzene	12.331	105	51649	5.245	ug/l	100
74) N-amyl acetate	12.142	43	10559	4.878	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.587	83	9822	5.132	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	7497m	5.155	ug/l	
77) Bromobenzene	12.611	156	10799	4.780	ug/l	99
78) n-propylbenzene	12.672	91	62600	5.389	ug/l	99
79) 2-Chlorotoluene	12.758	91	34254	5.316	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	41425	5.135	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	2702	4.145	ug/l	93
82) 4-Chlorotoluene	12.855	91	35499	5.369	ug/l	100
83) tert-Butylbenzene	13.075	119	36135	5.028	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	41246	5.250	ug/l	99
85) sec-Butylbenzene	13.258	105	56102	5.288	ug/l	99
86) p-Isopropyltoluene	13.373	119	45466	5.150	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	22494	5.022	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	22628	5.066	ug/l	94
89) n-Butylbenzene	13.696	91	43351	5.337	ug/l	99
90) Hexachloroethane	13.965	117	8563	5.006	ug/l	78
91) 1,2-Dichlorobenzene	13.745	146	19281	4.889	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1414	4.629	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	11287	4.779	ug/l	95
94) Hexachlorobutadiene	15.117	225	6599	5.282	ug/l	97
95) Naphthalene	15.239	128	25020	4.793	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	10056	4.921	ug/l	98

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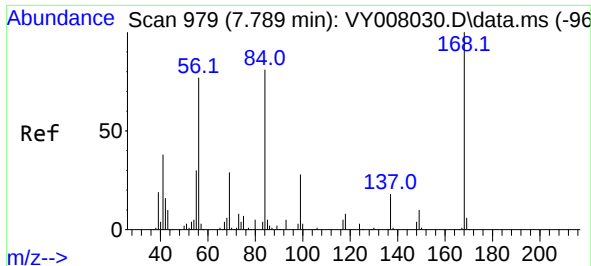
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

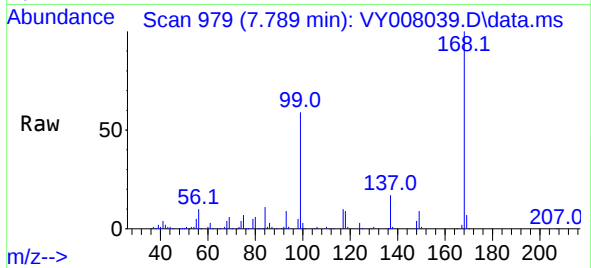
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

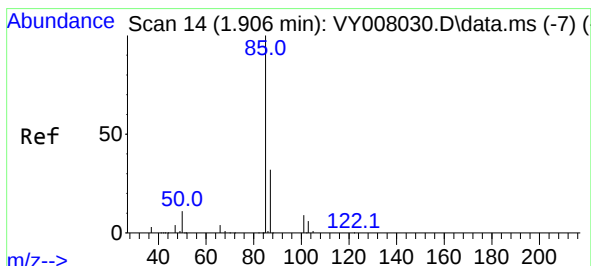
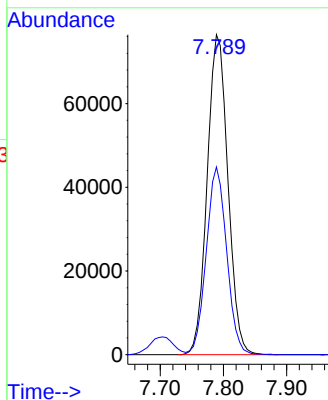
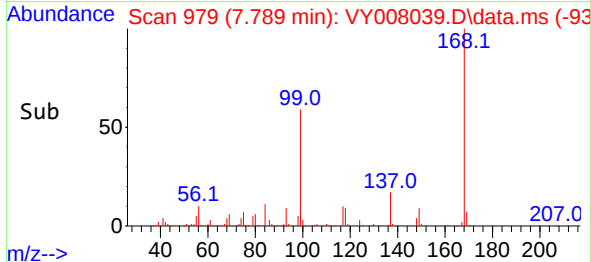
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:168 Resp: 17411
Ion Ratio Lower Upper
168 100
99 58.7 46.9 70.3

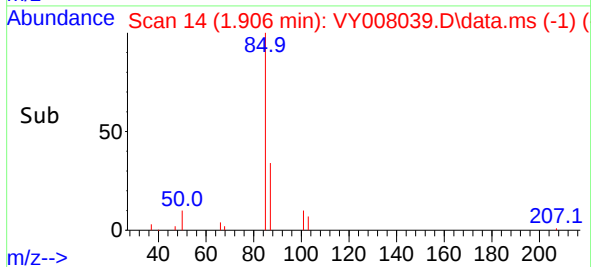
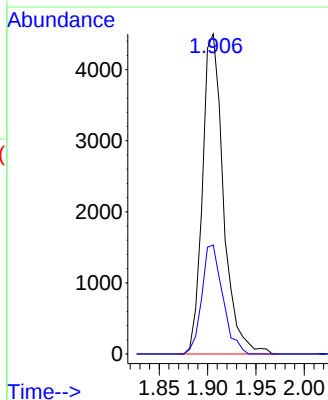
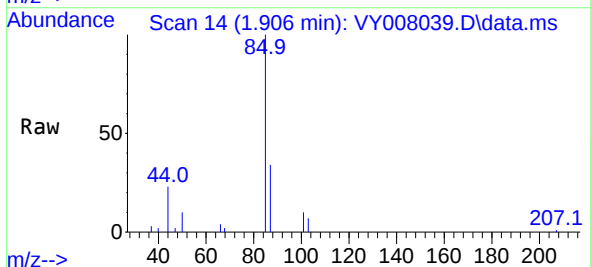
Manual Integrations
APPROVED

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#2
Dichlorodifluoromethane
Concen: 4.327 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

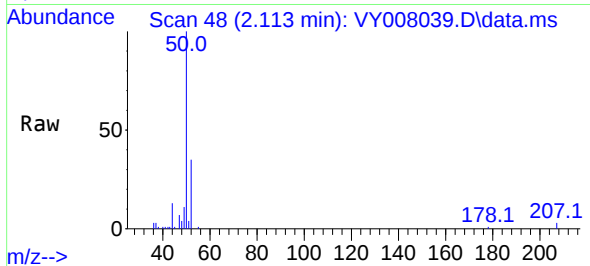
Tgt Ion: 85 Resp: 6792
Ion Ratio Lower Upper
85 100
87 34.1 16.1 48.2





#3
Chloromethane
Concen: 4.898 ug/l
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

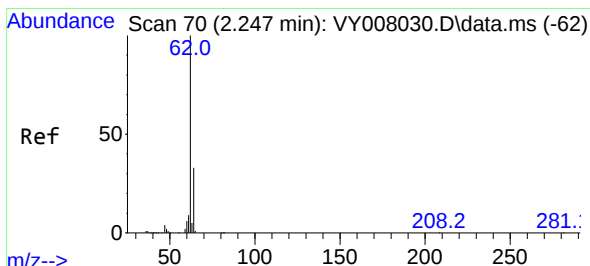
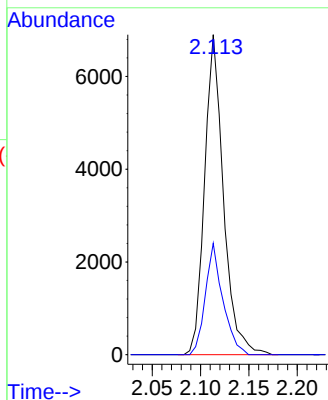
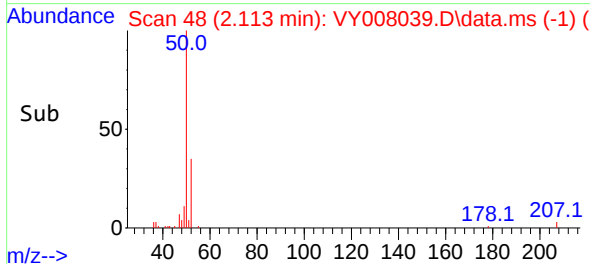
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 50 Resp: 936
Ion Ratio Lower Upper
50 100
52 34.8 24.6 37.0

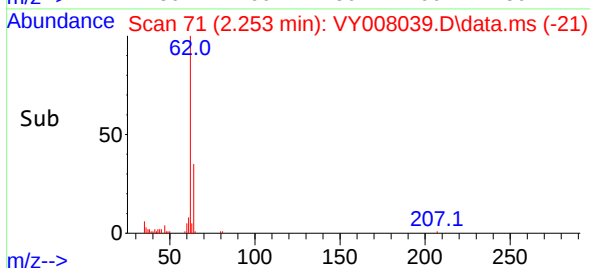
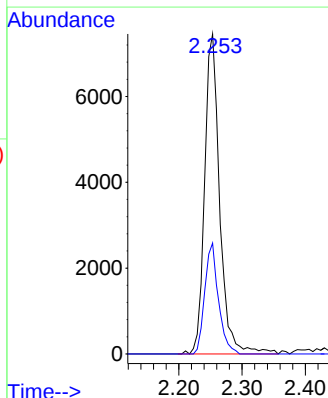
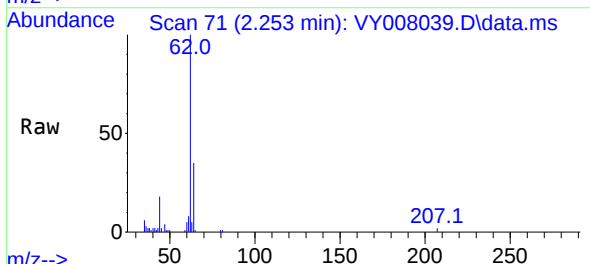
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APPROVED

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#4
Vinyl Chloride
Concen: 4.864 ug/l
RT: 2.253 min Scan# 71
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

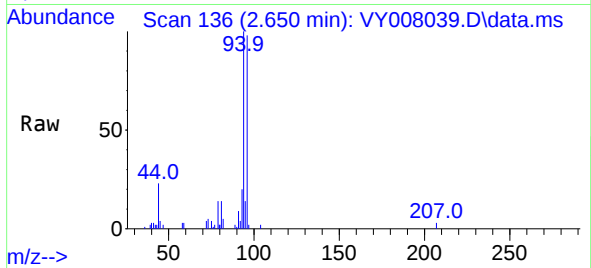
Tgt Ion: 62 Resp: 12369
Ion Ratio Lower Upper
62 100
64 34.7 25.0 37.6





#5
Bromomethane
Concen: 5.577 ug/l
RT: 2.650 min Scan# 1162
Delta R.T. 0.007 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

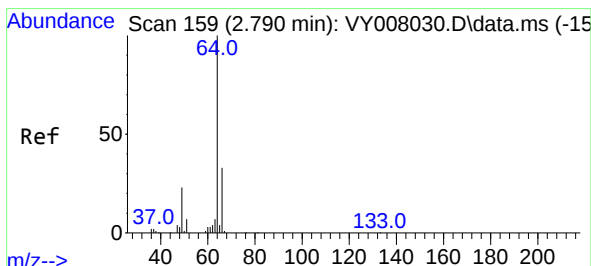
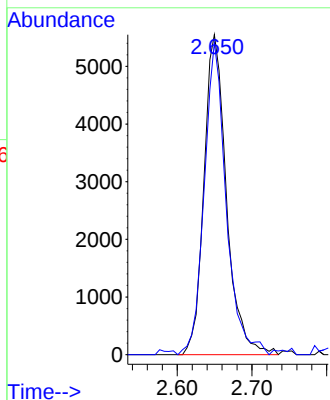
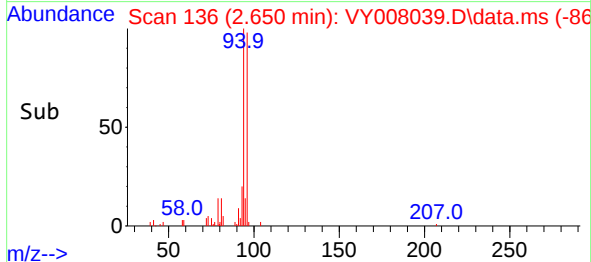
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 94 Resp: 1162
Ion Ratio Lower Upper
94 100
96 97.5 73.5 110.3

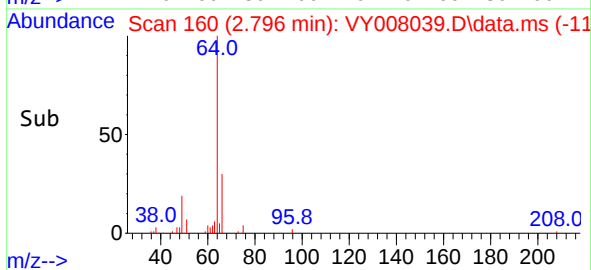
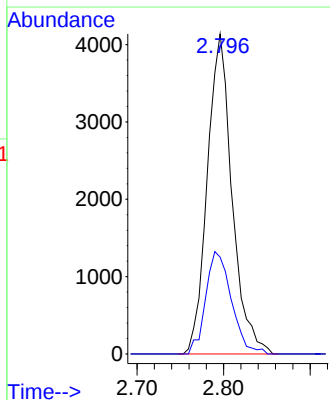
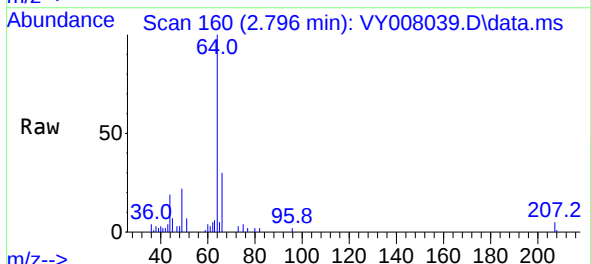
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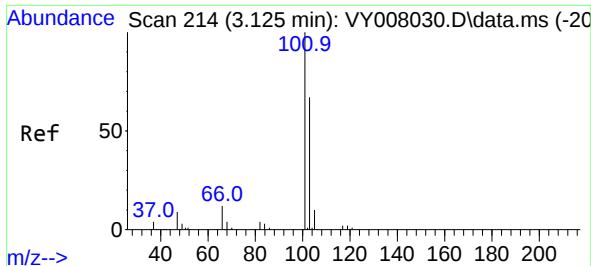
Reviewed By :John Carlone 03/28/2022
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#6
Chloroethane
Concen: 4.907 ug/l
RT: 2.796 min Scan# 160
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

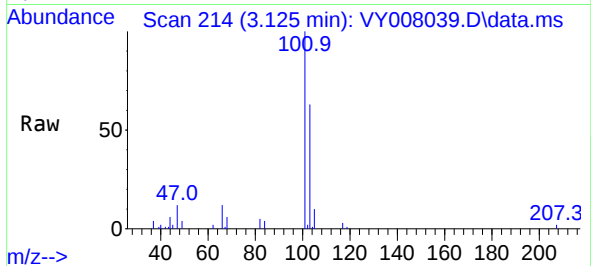
Tgt Ion: 64 Resp: 8209
Ion Ratio Lower Upper
64 100
66 30.2 25.4 38.0





#7
Trichlorofluoromethane
Concen: 4.983 ug/l
RT: 3.125 min Scan# 214
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

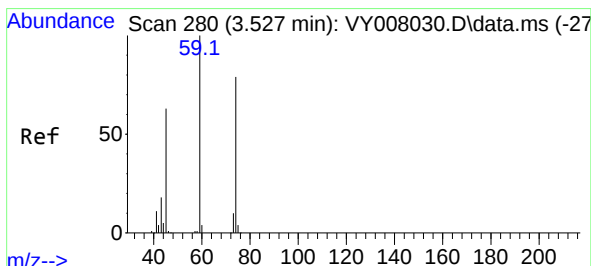
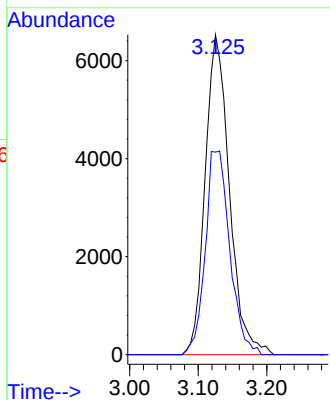
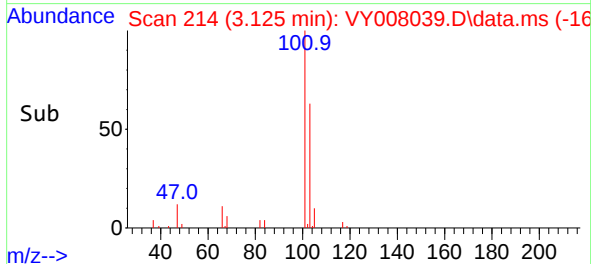
Instrument :
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Tgt Ion:101 Resp: 1603
Ion Ratio Lower Upper
101 100
103 63.3 48.0 72.0

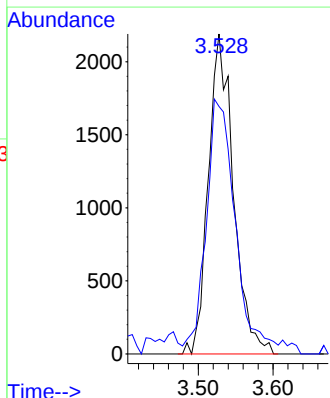
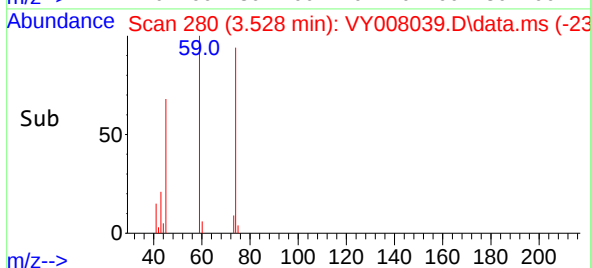
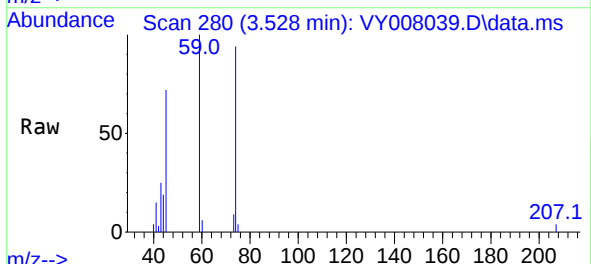
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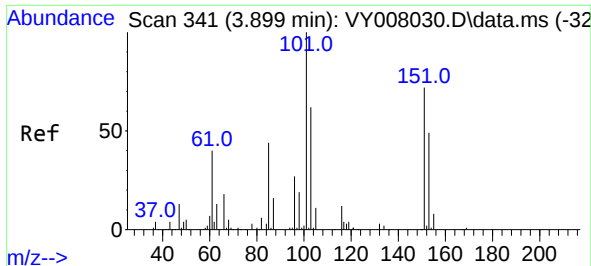
Reviewed By :John Carlone 03/28/2022
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#8
Diethyl Ether
Concen: 4.893 ug/l
RT: 3.528 min Scan# 280
Delta R.T. 0.001 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

Tgt Ion: 74 Resp: 5097
Ion Ratio Lower Upper
74 100
45 85.8 55.1 165.5





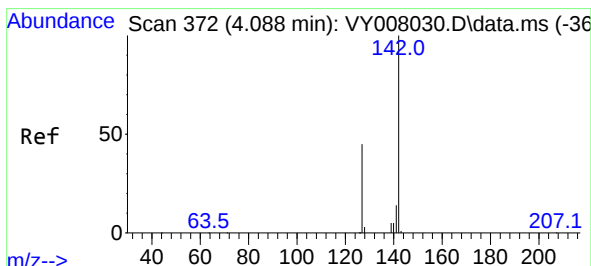
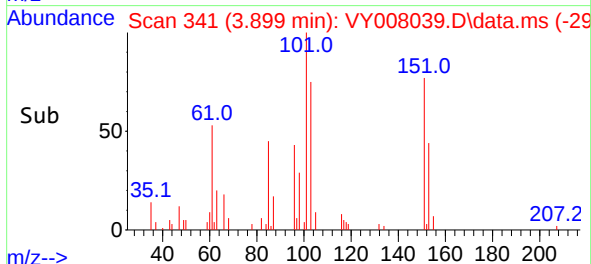
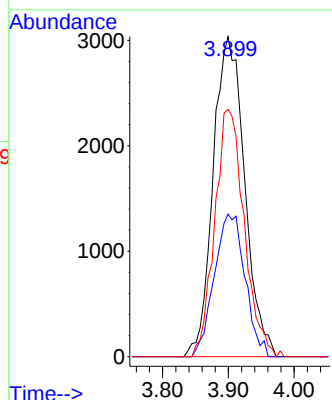
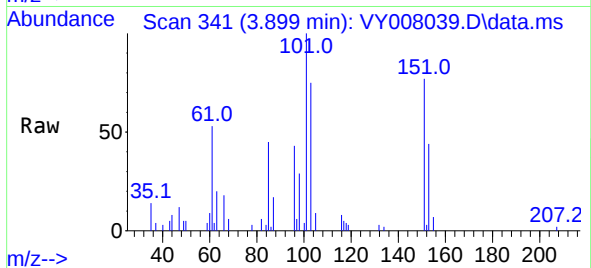
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.065 ug/l
RT: 3.899 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion:	101	Resp:	1010
Ion Ratio	Lower	Upper	
101	100		
85	43.5	40.6	60.8
151	72.4	64.9	97.3

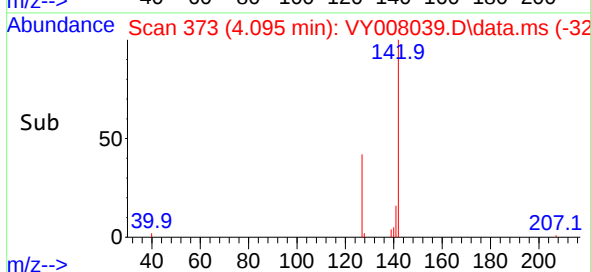
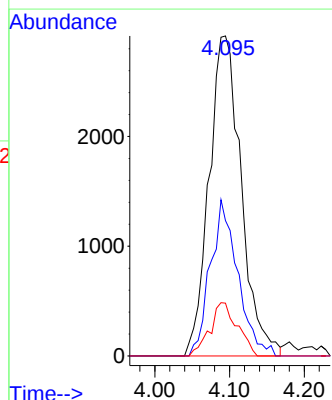
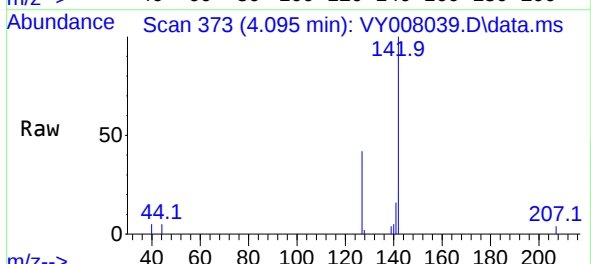
Manual Integrations
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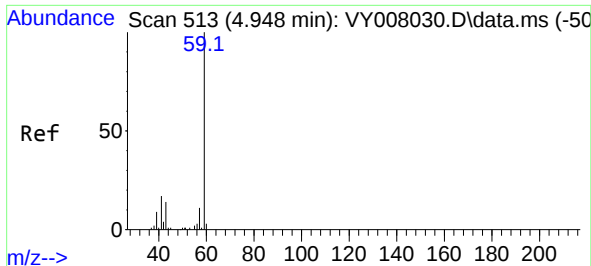
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#10
Methyl Iodide
Concen: 4.230 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

Tgt Ion:	142	Resp:	8720
Ion Ratio	Lower	Upper	
142	100		
127	41.7	41.5	62.3
141	14.3	11.9	17.9





#11

Tert butyl alcohol

Concen: 23.852 ug/l

RT: 4.948 min Scan# 513

Delta R.T. 0.000 min

Lab File: VY008039.D

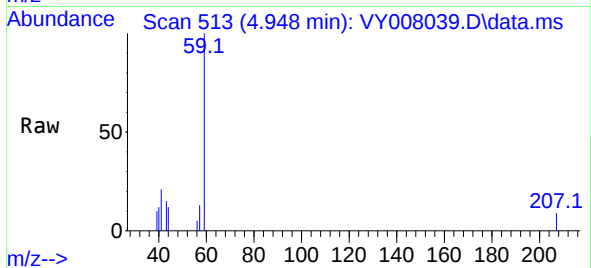
Acq: 26 Mar 2022 12:32

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2022



Tgt Ion: 59 Resp: 432

Ion Ratio Lower Upper

59 100

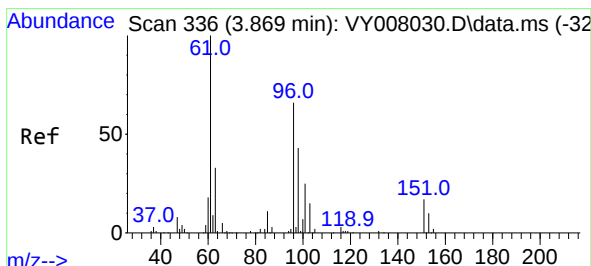
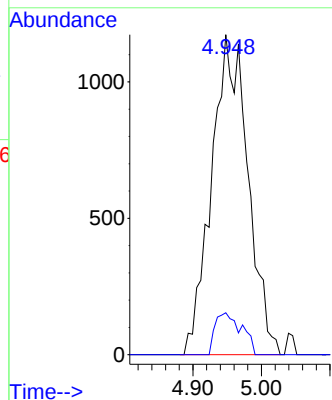
57 9.5 6.4 9.6

Manual Integrations

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Reviewed By :John Carlone 03/28/2022

Supervised By :Mahesh Dadoda 03/28/2022



#12

1,1-Dichloroethene

Concen: 5.068 ug/l

RT: 3.875 min Scan# 337

Delta R.T. 0.006 min

Lab File: VY008039.D

Acq: 26 Mar 2022 12:32

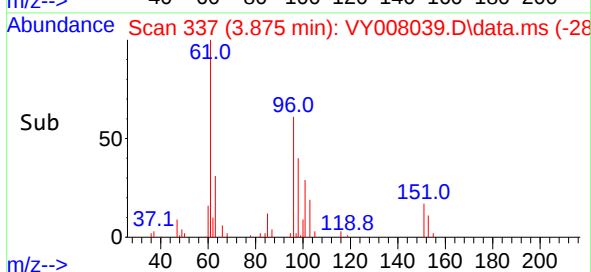
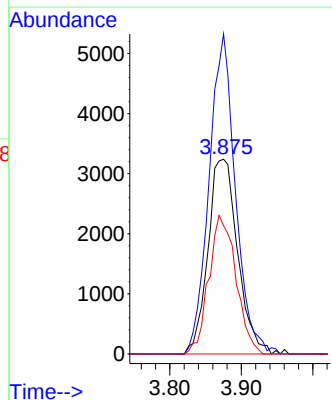
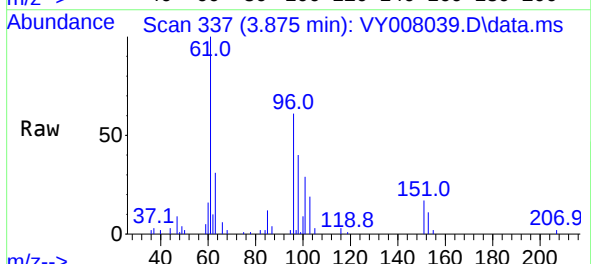
Tgt Ion: 96 Resp: 9363

Ion Ratio Lower Upper

96 100

61 164.3 145.8 218.6

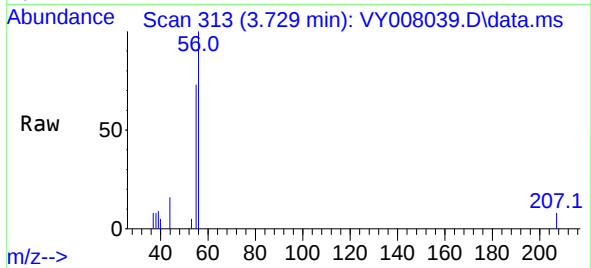
98 65.8 52.5 78.7





#13
Acrolein
Concen: 24.695 ug/l
RT: 3.729 min Scan# 312
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

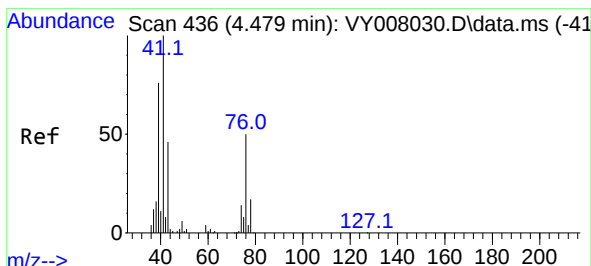
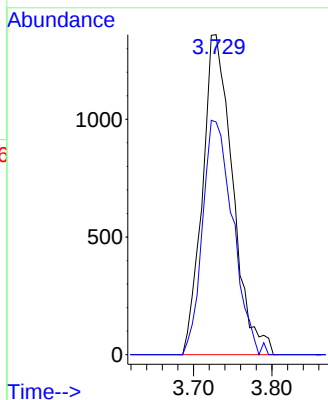
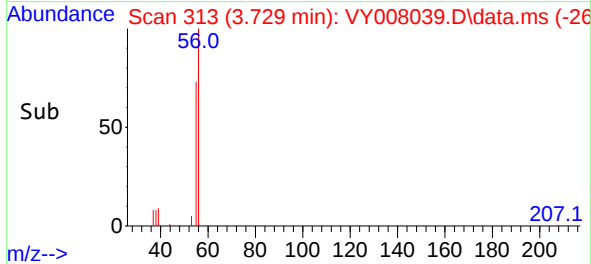
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



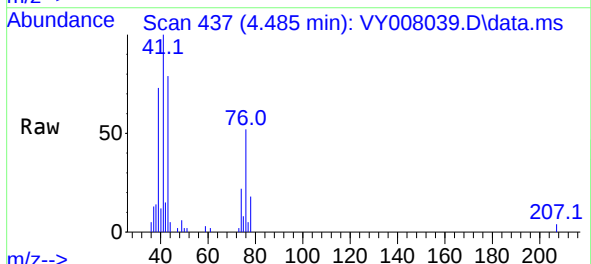
Tgt Ion: 56 Resp: 364
Ion Ratio Lower Upper
56 100
55 73.5 57.6 86.4

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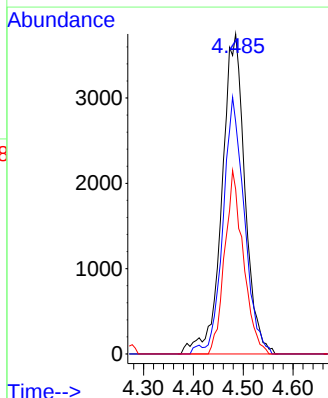
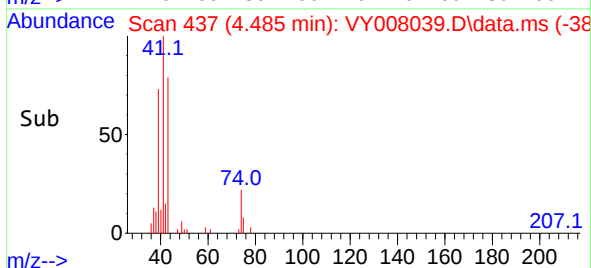
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

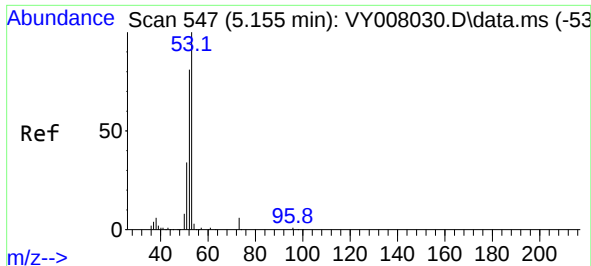


#14
Allyl chloride
Concen: 4.939 ug/l
RT: 4.485 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32



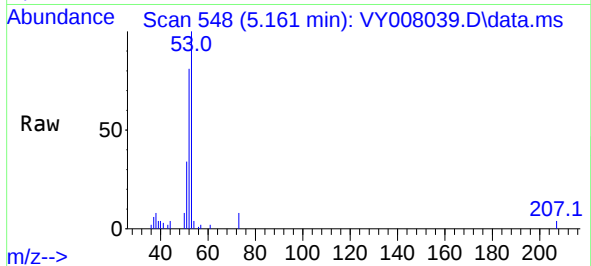
Tgt Ion: 41 Resp: 12005
Ion Ratio Lower Upper
41 100
39 73.8 58.8 88.2
76 46.6 25.1 37.7#





#15
Acrylonitrile
Concen: 23.684 ug/l
RT: 5.161 min Scan# 547
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

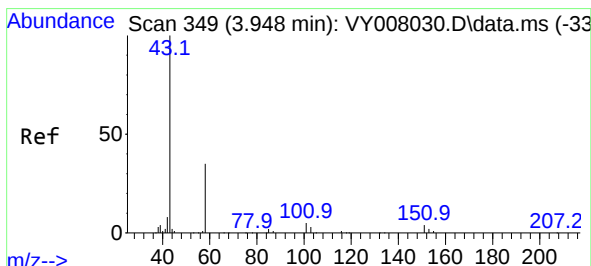
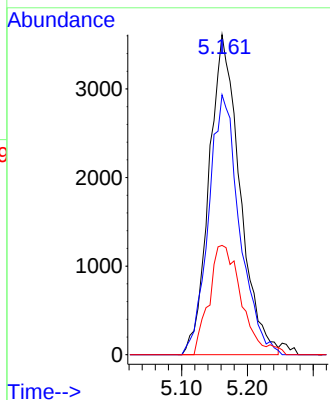
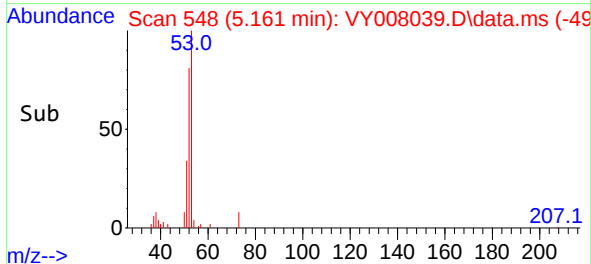
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 53 Resp: 11752
Ion Ratio Lower Upper
53 100
52 81.8 67.0 100.4
51 34.9 29.8 44.6

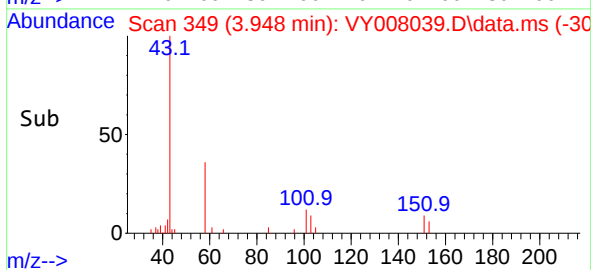
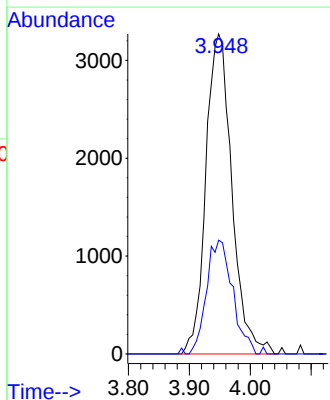
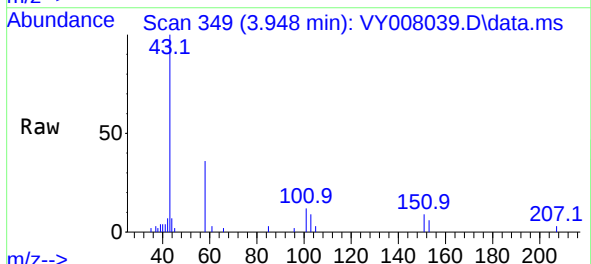
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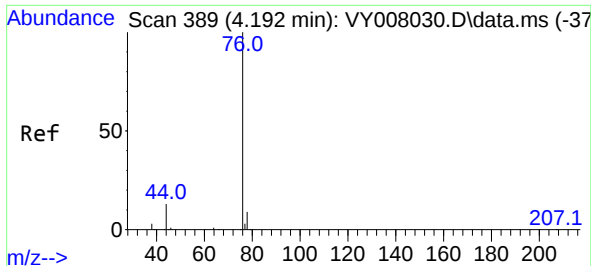
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#16
Acetone
Concen: 24.304 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

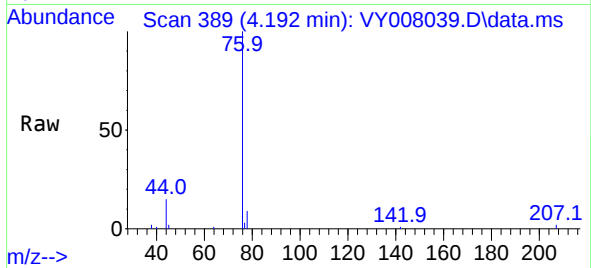
Tgt Ion: 43 Resp: 9704
Ion Ratio Lower Upper
43 100
58 35.6 22.0 33.0#





#17
Carbon Disulfide
Concen: 4.728 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

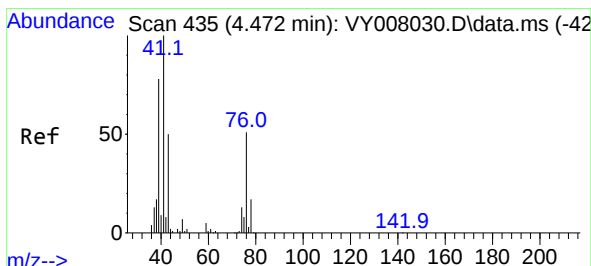
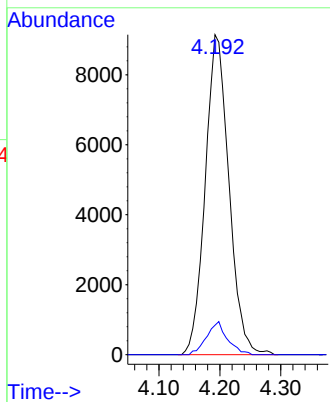
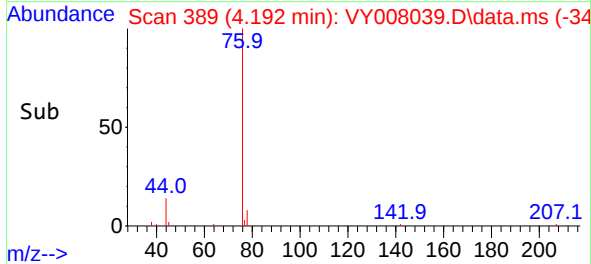
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



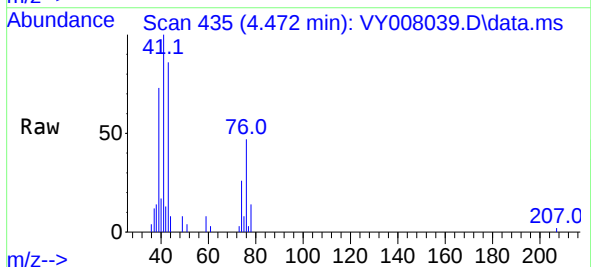
Tgt Ion: 76 Resp: 24740
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

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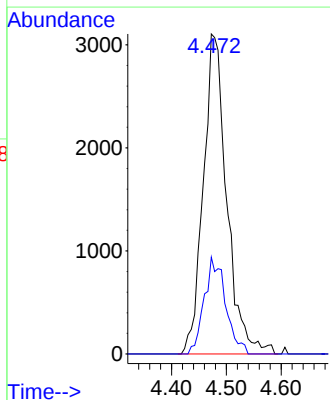
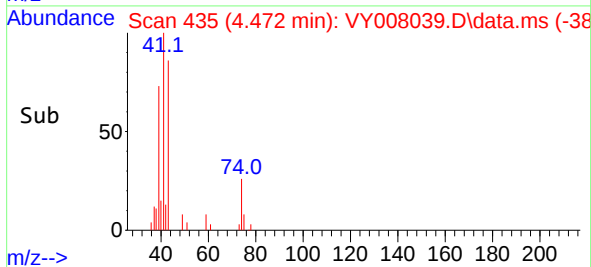
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

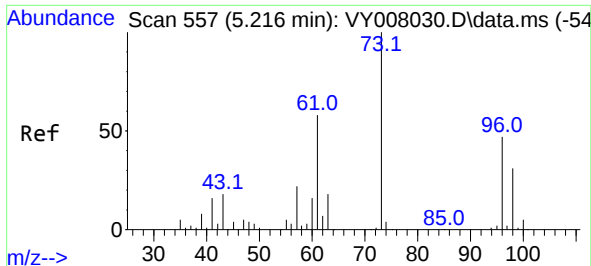


#18
Methyl Acetate
Concen: 6.873 ug/l
RT: 4.472 min Scan# 435
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32



Tgt Ion: 43 Resp: 9232
Ion Ratio Lower Upper
43 100
74 27.5 16.6 24.8#





#19

Methyl tert-butyl Ether

Concen: 4.913 ug/l

RT: 5.228 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY008039.D

Acq: 26 Mar 2022 12:32

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2022

Tgt Ion: 73 Resp: 25790

Ion Ratio Lower Upper

73 100

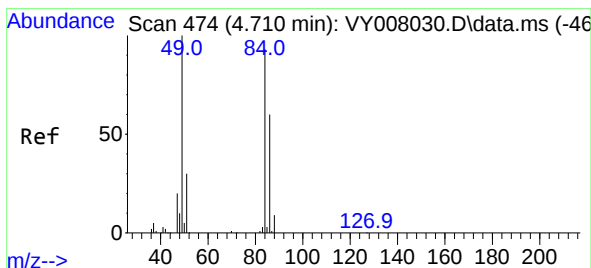
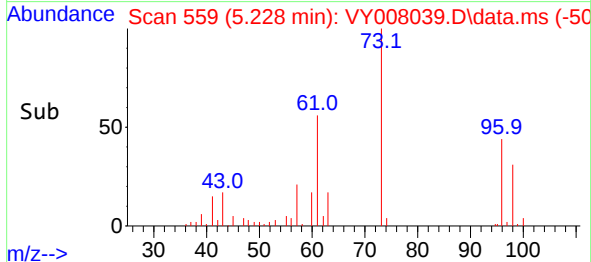
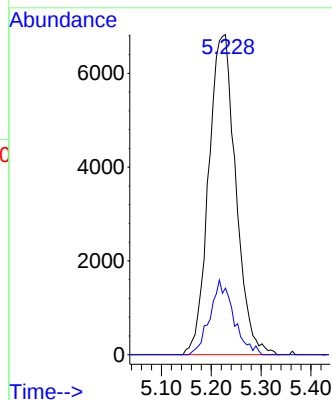
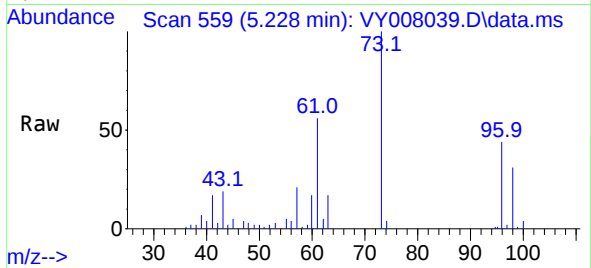
57 20.8 18.6 27.8

Manual Integrations

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Reviewed By :John Carlone 03/28/2022

Supervised By :Mahesh Dadoda 03/28/2022



#20

Methylene Chloride

Concen: 8.122 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY008039.D

Acq: 26 Mar 2022 12:32

Tgt Ion: 84 Resp: 19037

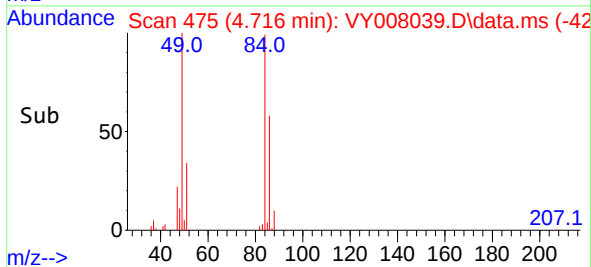
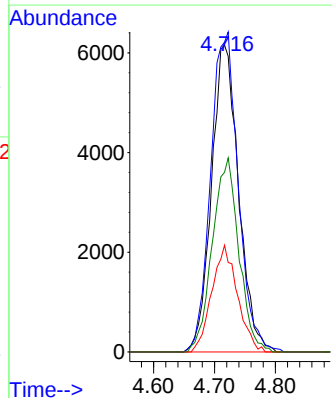
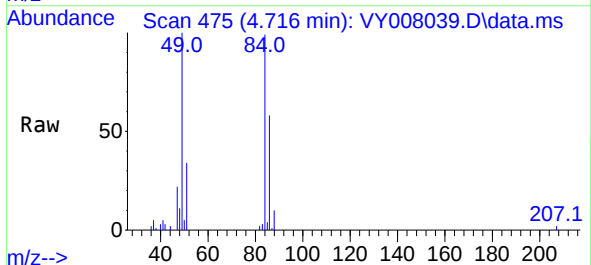
Ion Ratio Lower Upper

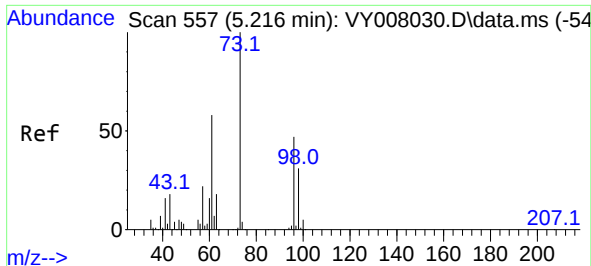
84 100

49 101.0 114.4 171.6#

51 34.7 35.3 52.9#

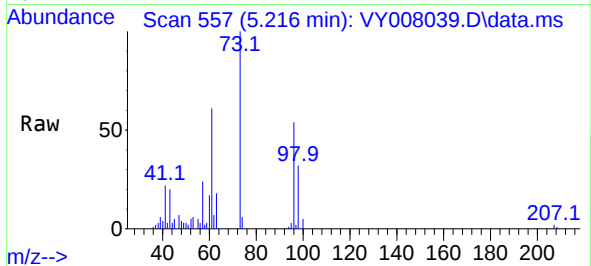
86 58.5 53.7 80.5





#21
trans-1,2-Dichloroethene
Concen: 5.180 ug/l
RT: 5.216 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

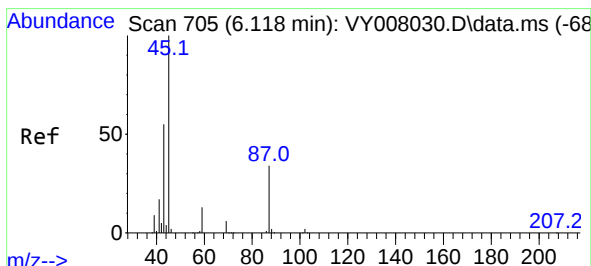
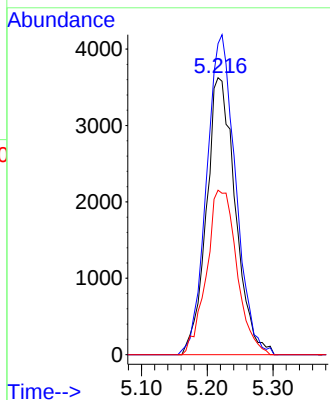
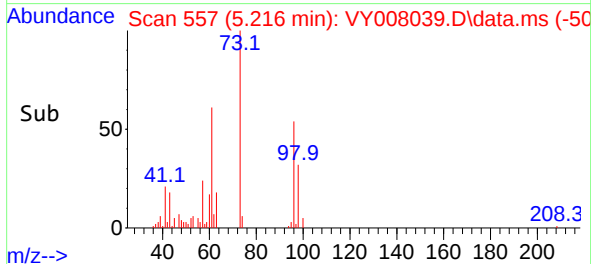
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



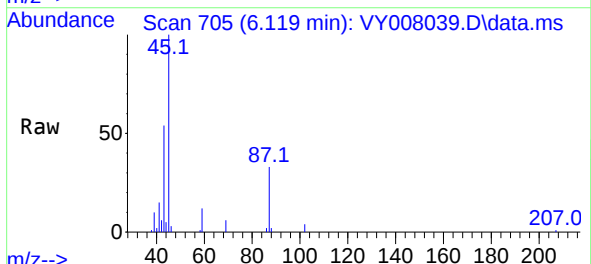
Tgt Ion: 96 Resp: 11080
Ion Ratio Lower Upper
96 100
61 112.3 120.5 180.7
98 59.4 49.8 74.8

Manual Integrations
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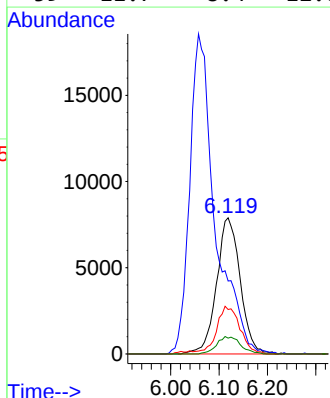
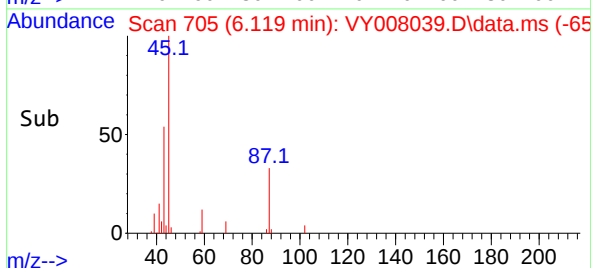
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

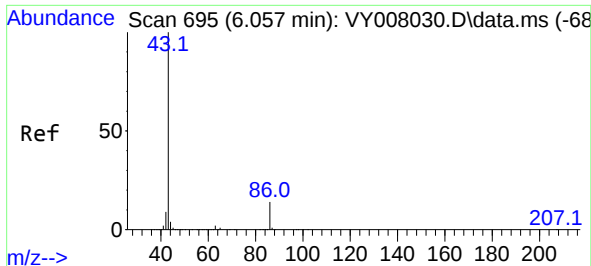


#22
Diisopropyl ether
Concen: 5.117 ug/l
RT: 6.119 min Scan# 705
Delta R.T. 0.001 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32



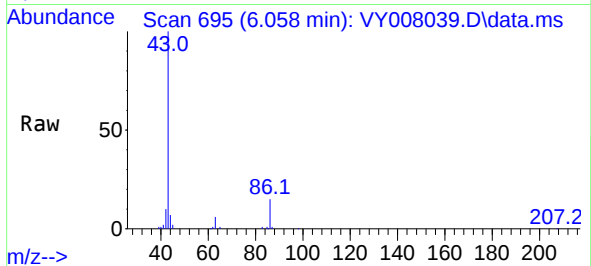
Tgt Ion: 45 Resp: 26755
Ion Ratio Lower Upper
45 100
43 53.6 49.3 73.9
87 32.7 19.2 28.8
59 11.7 8.4 12.6





#23
 Vinyl Acetate
 Concen: 20.909 ug/l
 RT: 6.058 min Scan# 695
 Delta R.T. 0.001 min
 Lab File: VY008039.D
 Acq: 26 Mar 2022 12:32

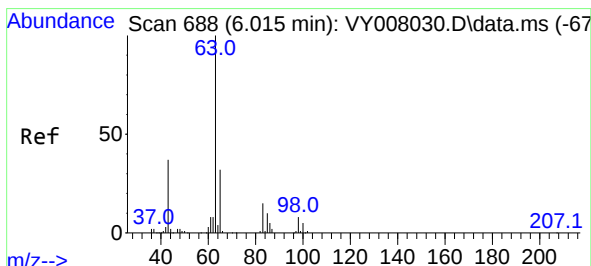
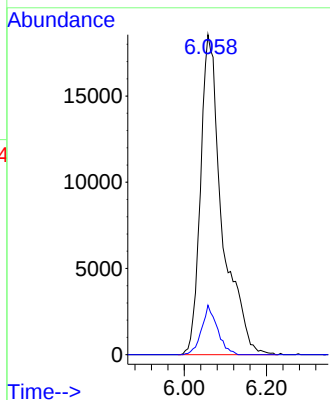
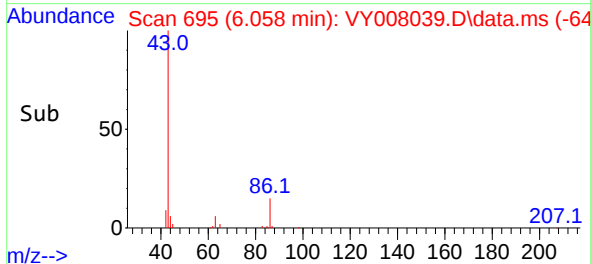
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2022



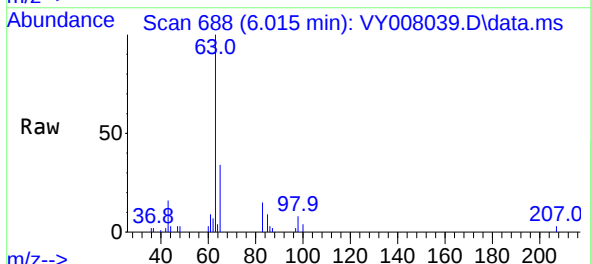
Tgt Ion: 43 Resp: 6774
 Ion Ratio Lower Upper
 43 100
 86 15.4 7.1 10.7

Manual Integrations
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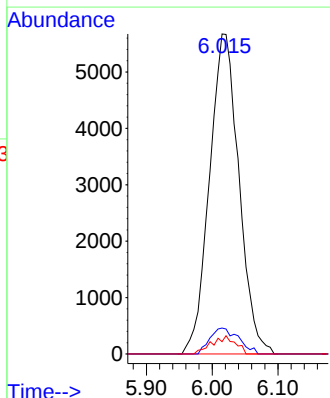
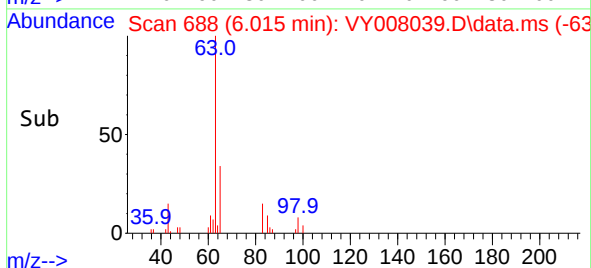
Reviewed By :John Carlone 03/28/2022
 Supervised By :Mahesh Dadoda 03/28/2022

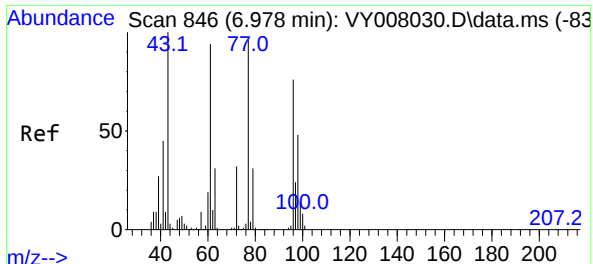


#24
 1,1-Dichloroethane
 Concen: 5.112 ug/l
 RT: 6.015 min Scan# 688
 Delta R.T. -0.000 min
 Lab File: VY008039.D
 Acq: 26 Mar 2022 12:32



Tgt Ion: 63 Resp: 17696
 Ion Ratio Lower Upper
 63 100
 98 8.1 3.6 10.8
 100 3.8 2.0 5.8





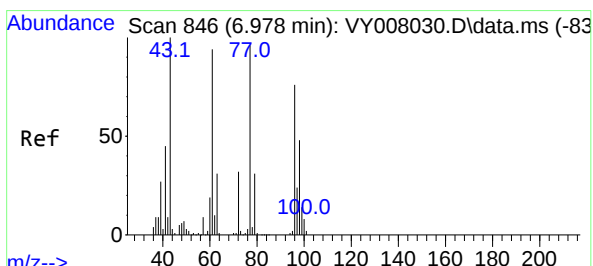
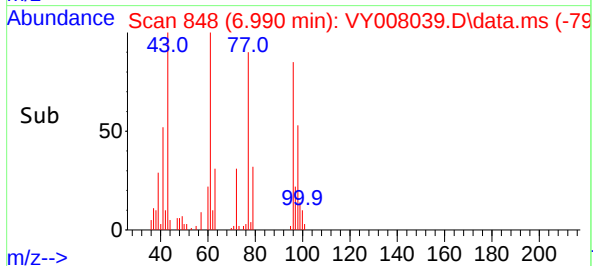
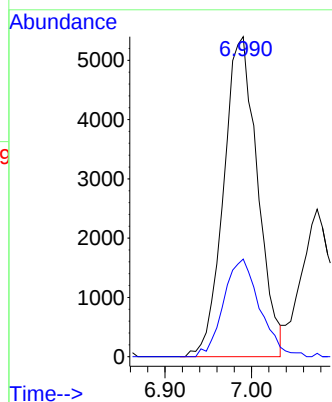
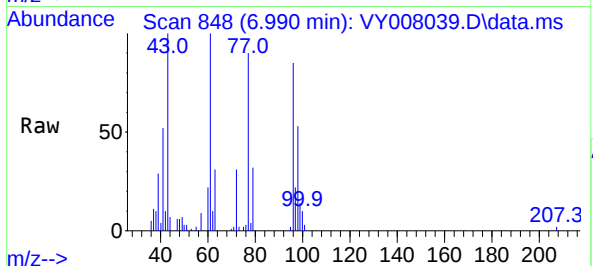
#25
2-Butanone
Concen: 24.173 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion: 43 Resp: 1468
Ion Ratio Lower Upper
43 100
72 30.5 17.7 26.5

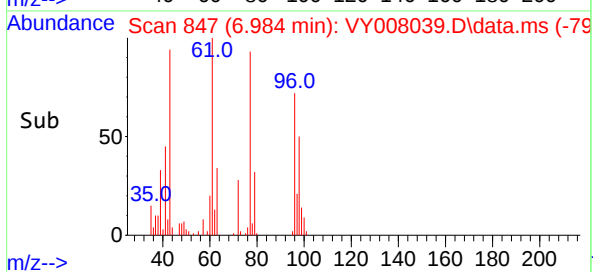
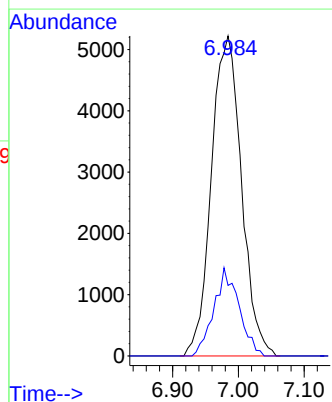
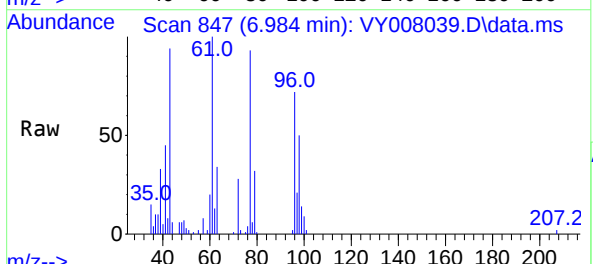
Manual Integrations
APPROVED

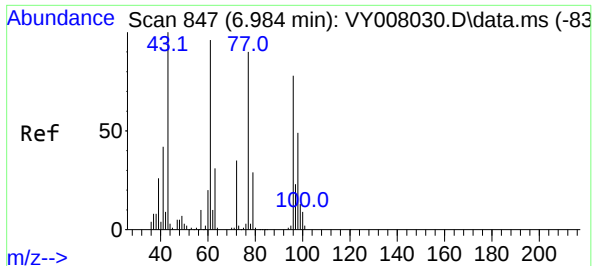
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#26
2,2-Dichloropropane
Concen: 5.071 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

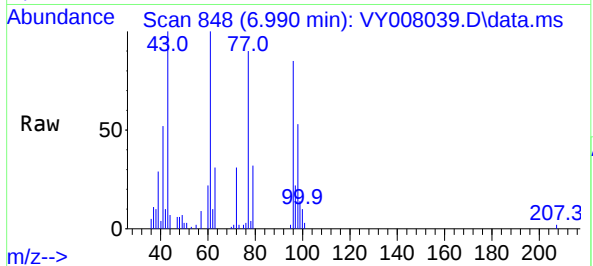
Tgt Ion: 77 Resp: 16626
Ion Ratio Lower Upper
77 100
97 23.0 10.4 31.4





#27
cis-1,2-Dichloroethene
Concen: 4.955 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

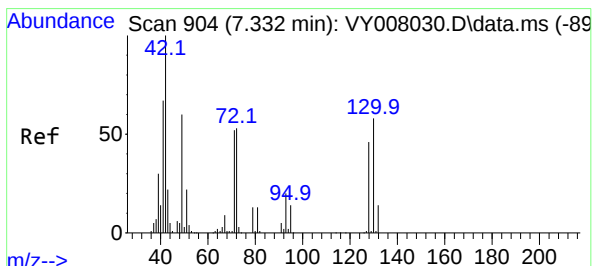
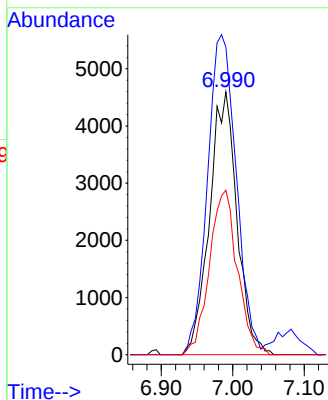
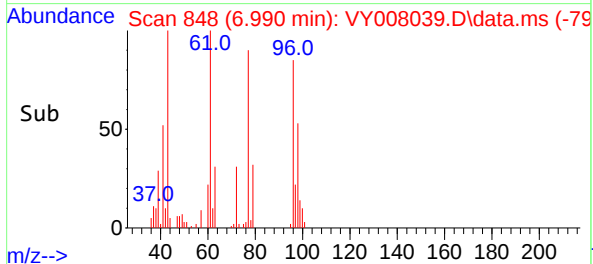
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 96 Resp: 12280
Ion Ratio Lower Upper
96 100
61 127.6 0.0 319.8
98 63.8 0.0 127.0

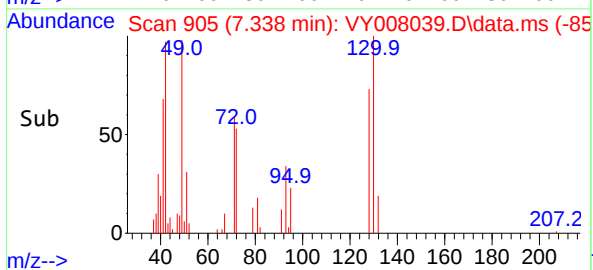
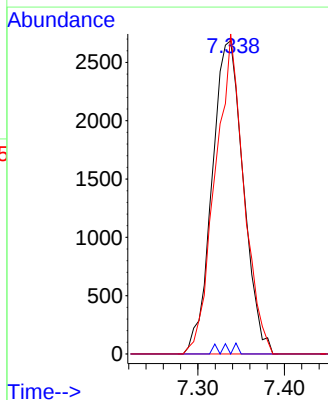
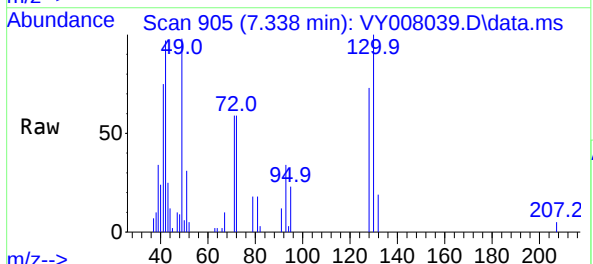
Manual Integrations
APPROVED

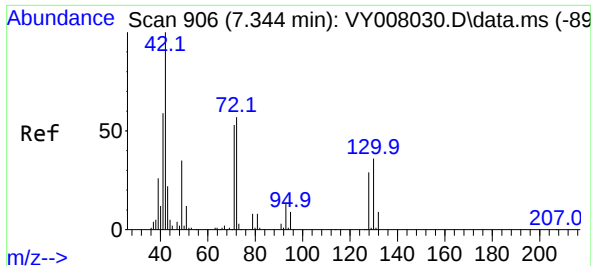
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#28
Bromochloromethane
Concen: 6.003 ug/l
RT: 7.338 min Scan# 905
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

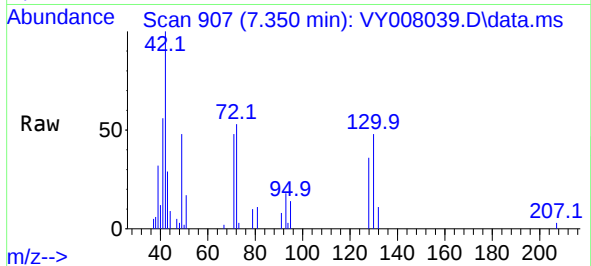
Tgt Ion: 49 Resp: 6740
Ion Ratio Lower Upper
49 100
129 1.0 0.0 2.2
130 93.4 55.4 83.0#





#29
Tetrahydrofuran
Concen: 23.950 ug/l
RT: 7.350 min Scan# 906
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

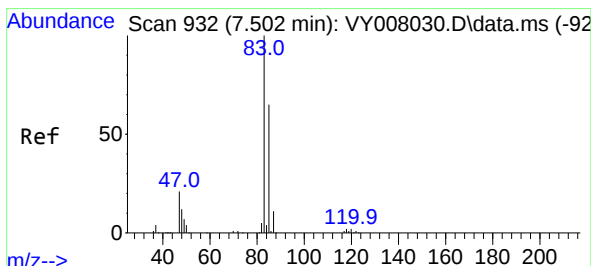
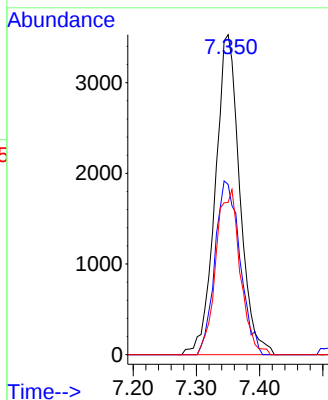
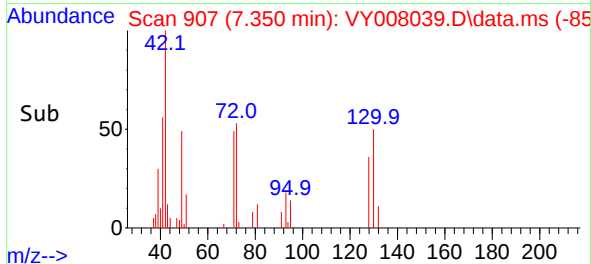
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 42 Resp: 946
Ion Ratio Lower Upper
42 100
72 55.5 30.3 45.5
71 51.0 29.0 43.4

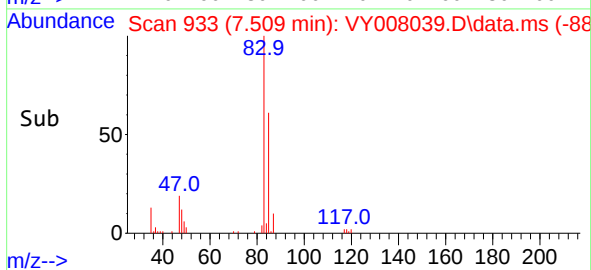
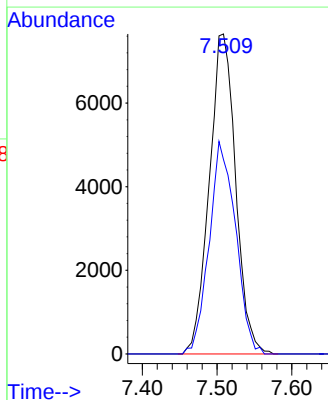
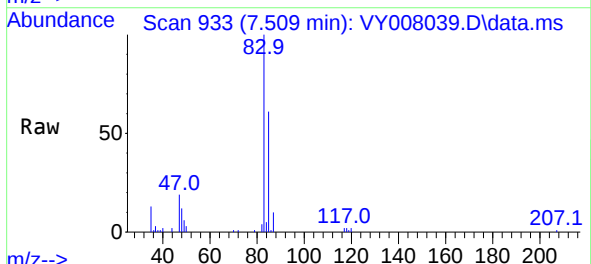
Manual Integrations
APPROVED

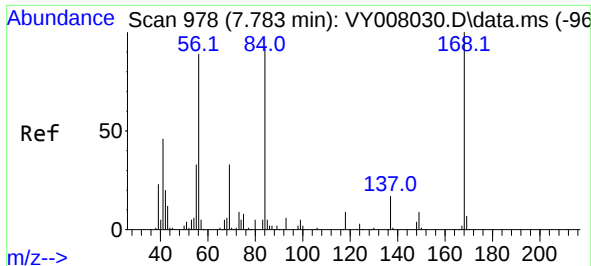
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#30
Chloroform
Concen: 5.019 ug/l
RT: 7.509 min Scan# 933
Delta R.T. 0.007 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

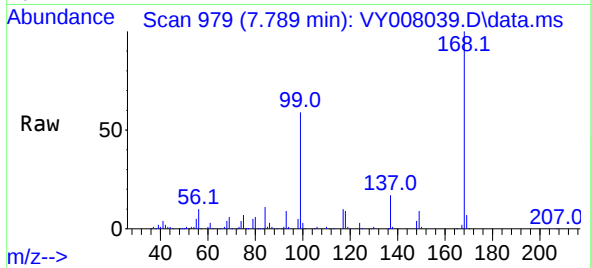
Tgt Ion: 83 Resp: 18813
Ion Ratio Lower Upper
83 100
85 60.8 51.8 77.6





#31
Cyclohexane
Concen: 5.812 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

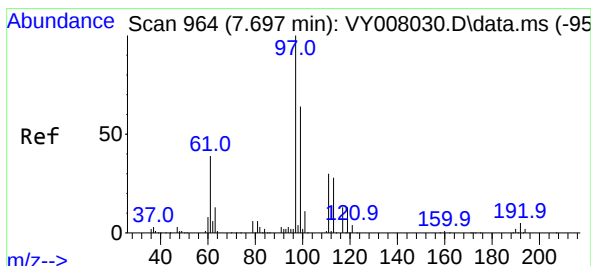
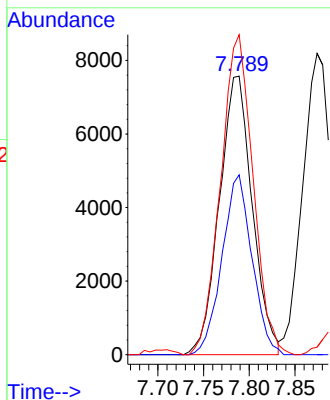
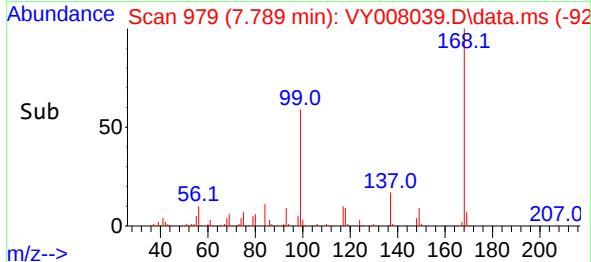
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



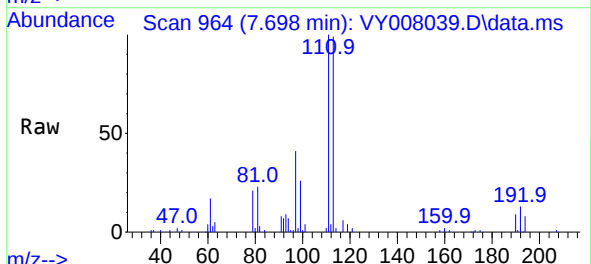
Tgt Ion: 56 Resp: 18979
Ion Ratio Lower Upper
56 100
69 64.6 26.7 40.1
84 114.0 67.2 100.8

Manual Integrations
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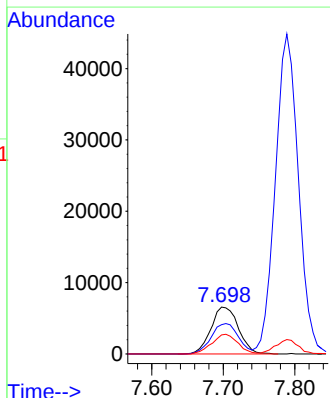
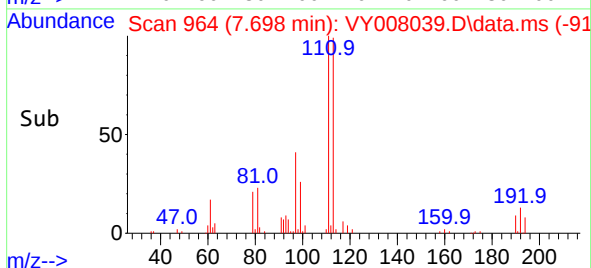
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

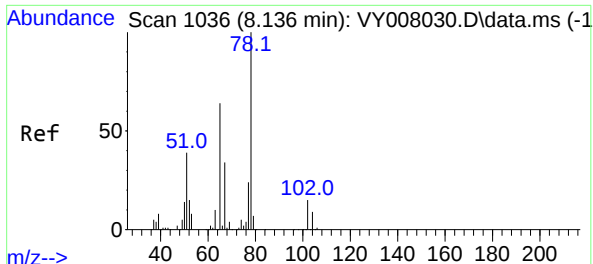


#32
1,1,1-Trichloroethane
Concen: 5.051 ug/l
RT: 7.698 min Scan# 964
Delta R.T. 0.001 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32



Tgt Ion: 97 Resp: 17494
Ion Ratio Lower Upper
97 100
99 64.5 50.7 76.1
61 40.0 37.6 56.4





#33

1,2-Dichloroethane-d4

Concen: 49.534 ug/l

RT: 8.143 min Scan# 1036

Delta R.T. 0.007 min

Lab File: VY008039.D

Acq: 26 Mar 2022 12:32

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2022

Tgt Ion: 65 Resp: 86528

Ion Ratio Lower Upper

65 100

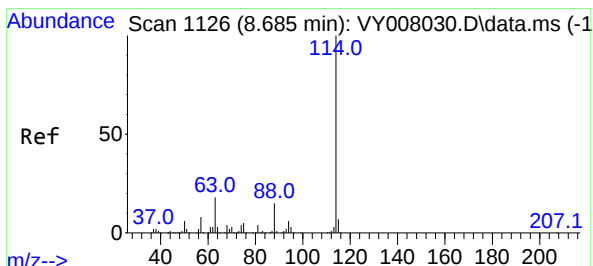
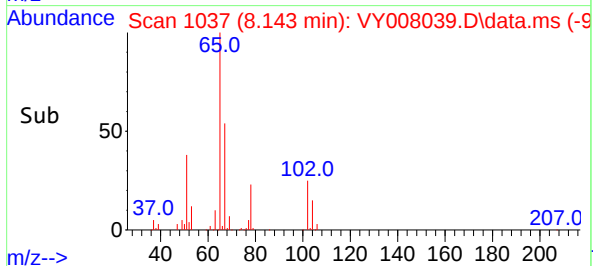
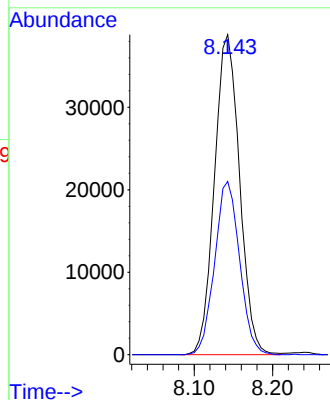
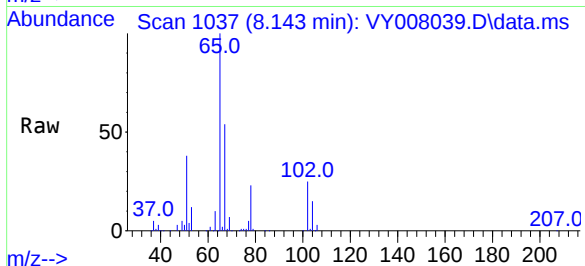
67 53.7 0.0 99.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/28/2022

Supervised By :Mahesh Dadoda 03/28/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY008039.D

Acq: 26 Mar 2022 12:32

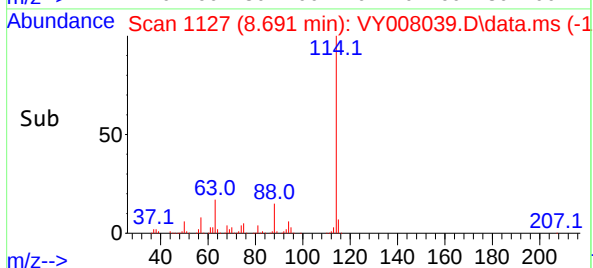
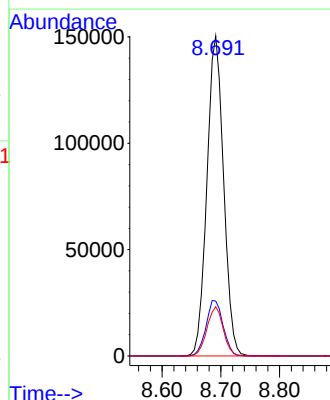
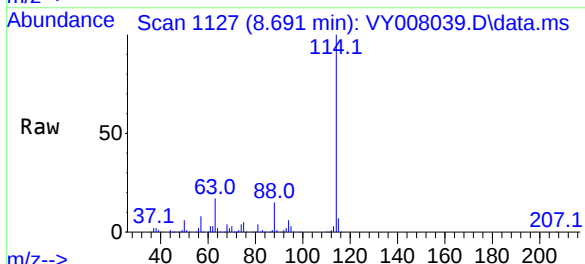
Tgt Ion:114 Resp: 295969

Ion Ratio Lower Upper

114 100

63 17.2 0.0 43.2

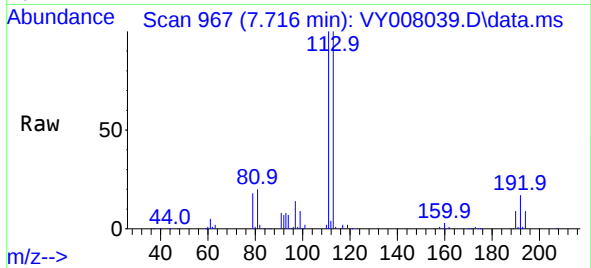
88 15.4 0.0 31.8





#35
Dibromofluoromethane
Concen: 47.889 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

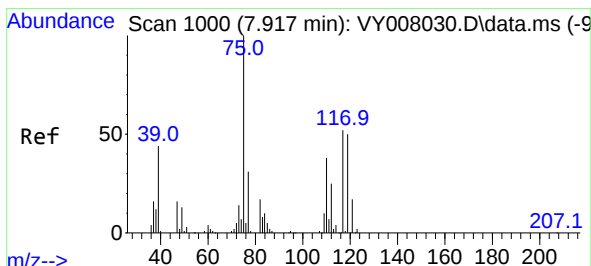
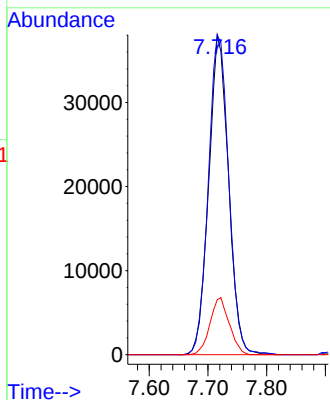
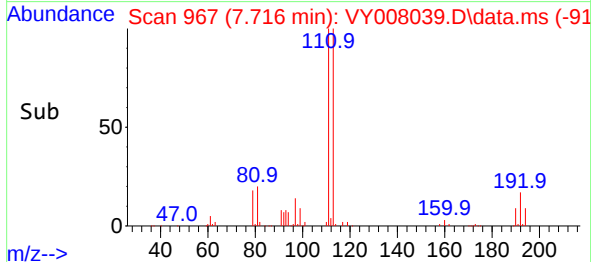
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



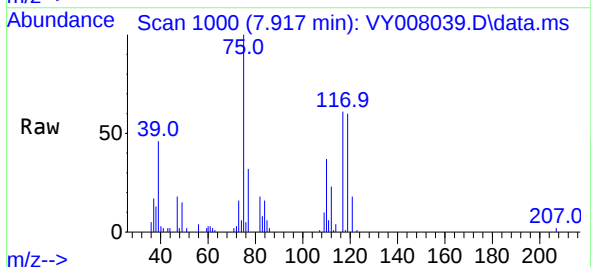
Tgt Ion:113 Resp: 88864
Ion Ratio Lower Upper
113 100
111 103.3 82.6 124.0
192 17.4 17.6 26.4

Manual Integrations
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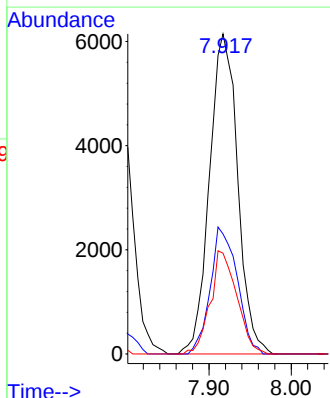
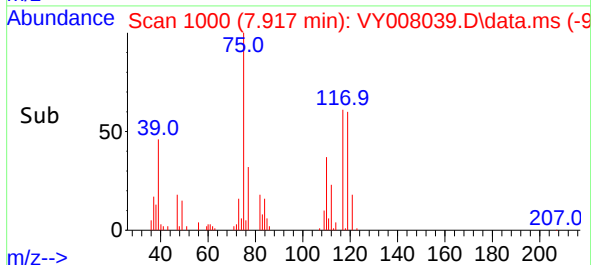
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

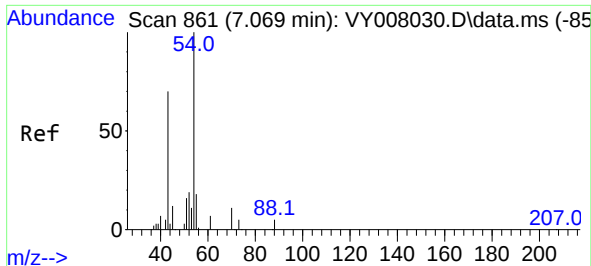


#36
1,1-Dichloropropene
Concen: 5.030 ug/l
RT: 7.917 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32



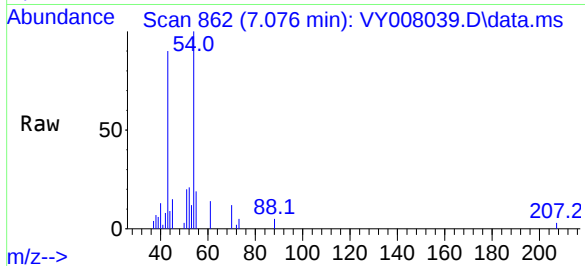
Tgt Ion: 75 Resp: 14662
Ion Ratio Lower Upper
75 100
110 37.8 17.1 51.2
77 30.2 24.4 36.6





#37
Ethyl Acetate
Concen: 4.761 ug/l
RT: 7.076 min Scan# 861
Delta R.T. 0.007 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

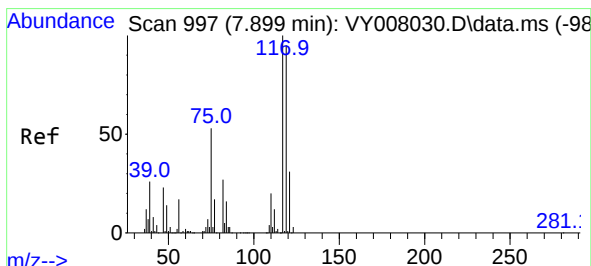
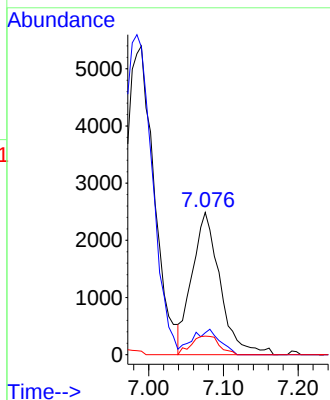
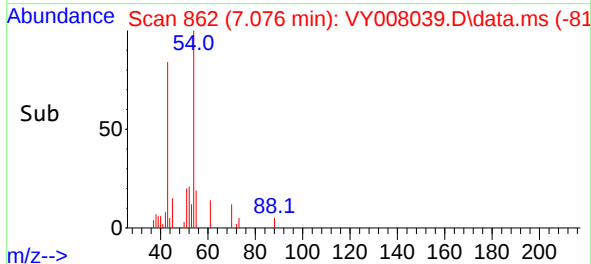
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 43 Resp: 648
Ion Ratio Lower Upper
43 100
61 16.6 9.7 14.5
70 13.0 7.1 10.7

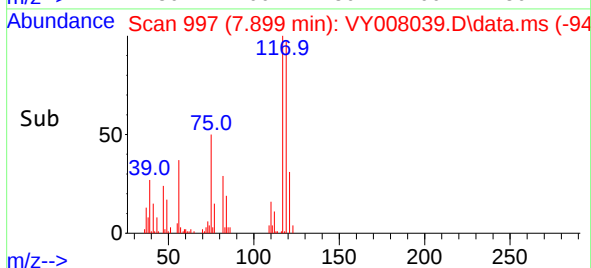
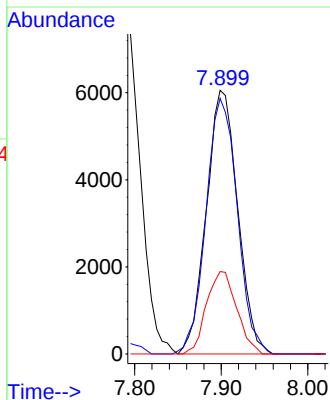
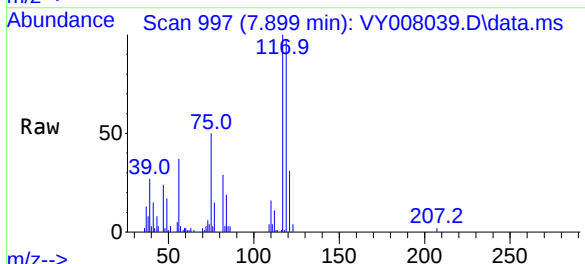
Manual Integrations
APPROVED

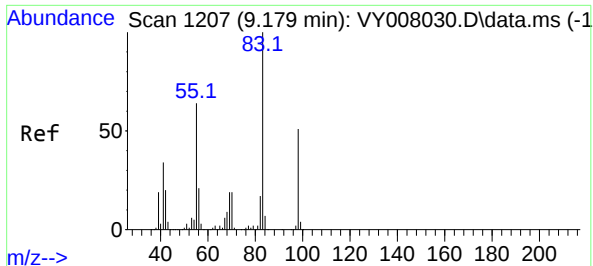
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#38
Carbon Tetrachloride
Concen: 4.799 ug/l
RT: 7.899 min Scan# 997
Delta R.T. -0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

Tgt Ion:117 Resp: 15243
Ion Ratio Lower Upper
117 100
119 96.9 77.9 116.9
121 31.3 24.8 37.2





#39

Methylcyclohexane

Concen: 4.904 ug/l

RT: 9.185 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY008039.D

Acq: 26 Mar 2022 12:32

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2022

Tgt Ion: 83 Resp: 1929

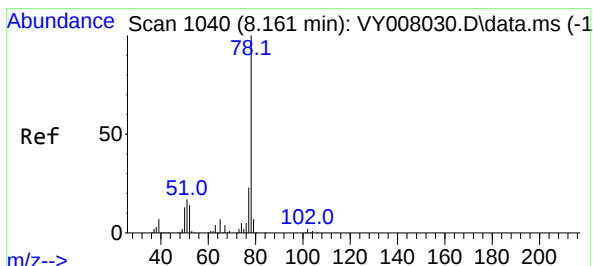
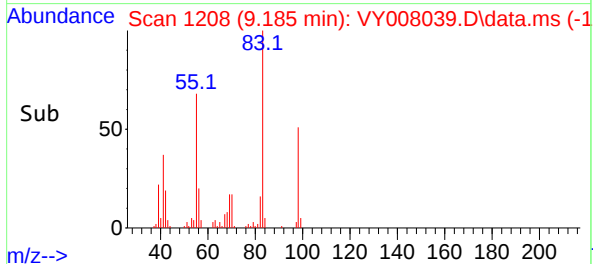
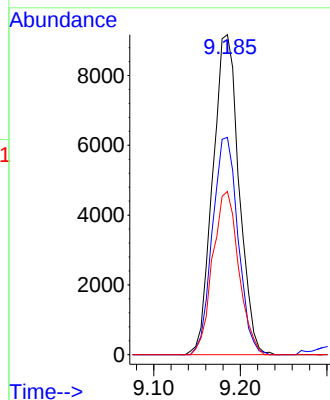
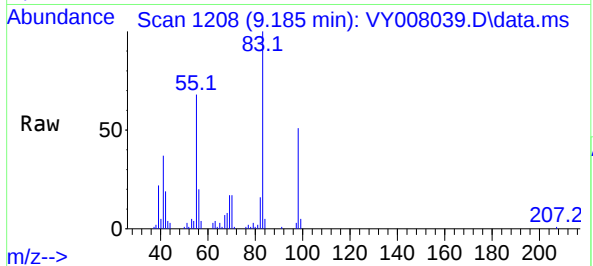
Ion	Ratio	Lower	Upper
83	100		
55	67.9	66.5	99.7
98	51.0	37.9	56.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/28/2022

Supervised By :Mahesh Dadoda 03/28/2022



#40

Benzene

Concen: 4.977 ug/l

RT: 8.161 min Scan# 1040

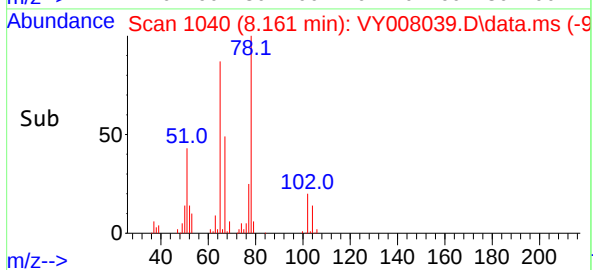
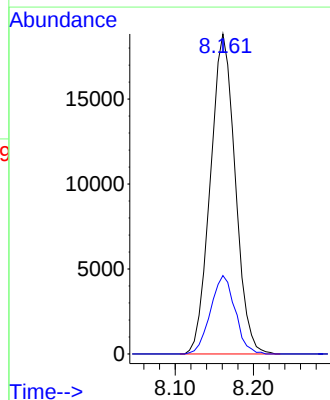
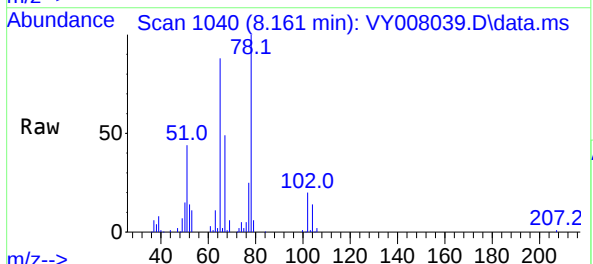
Delta R.T. -0.000 min

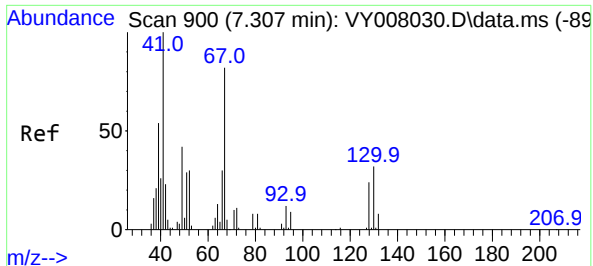
Lab File: VY008039.D

Acq: 26 Mar 2022 12:32

Tgt Ion: 78 Resp: 41496

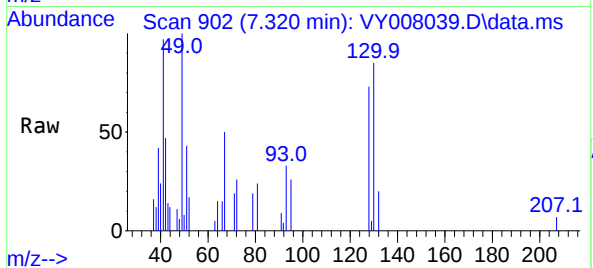
Ion	Ratio	Lower	Upper
78	100		
77	24.5	20.4	30.6





#41
Methacrylonitrile
Concen: 5.631 ug/l
RT: 7.320 min Scan# 900
Delta R.T. 0.013 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

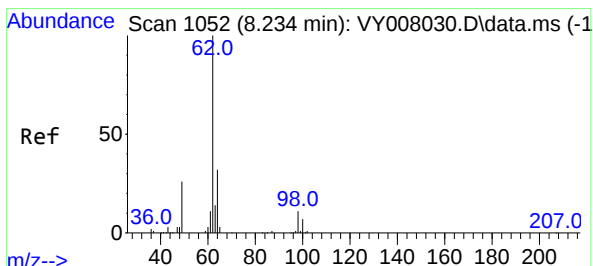
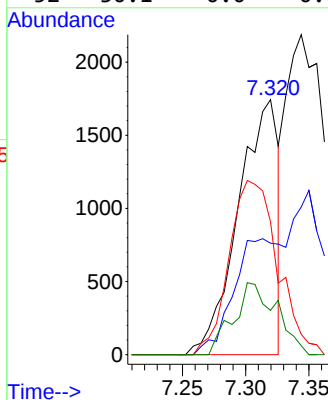
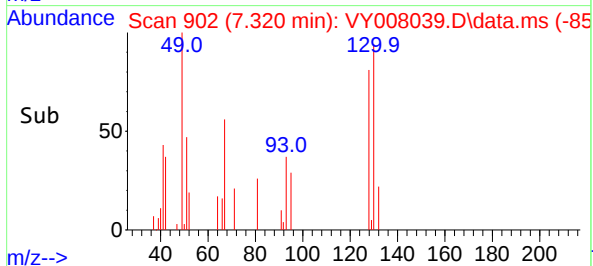
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 41 Resp: 3850
Ion Ratio Lower Upper
41 100
39 50.7 92.9 139.3
67 82.5 0.0 0.0
52 30.1 0.0 0.0

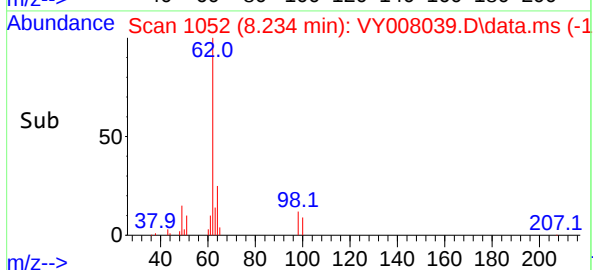
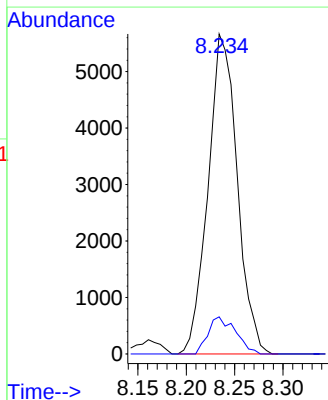
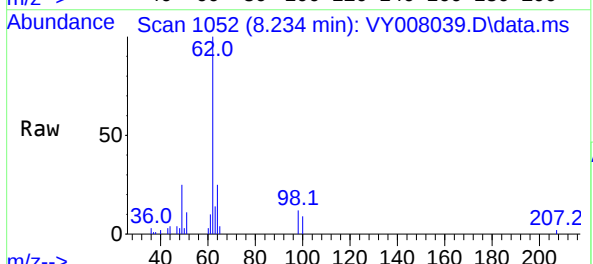
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#42
1,2-Dichloroethane
Concen: 5.074 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

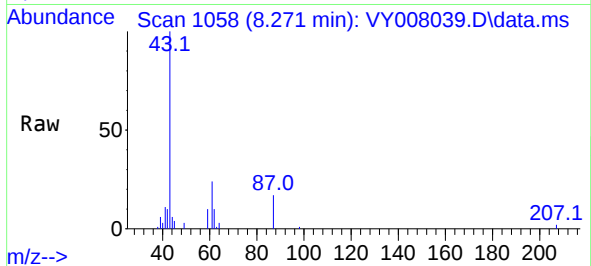
Tgt Ion: 62 Resp: 11867
Ion Ratio Lower Upper
62 100
98 10.9 0.0 14.8





#43
Isopropyl Acetate
Concen: 4.625 ug/l
RT: 8.271 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

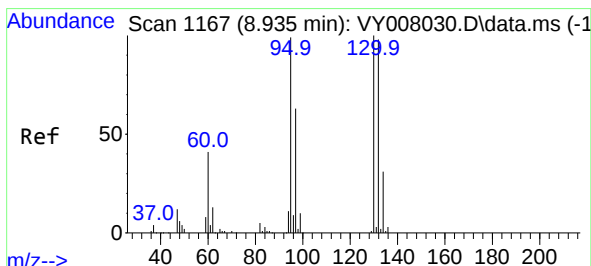
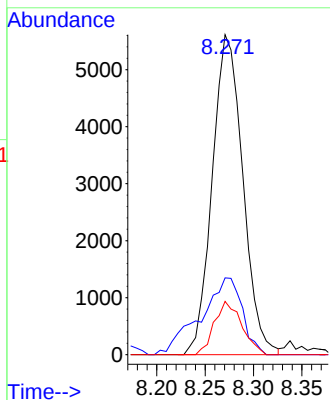
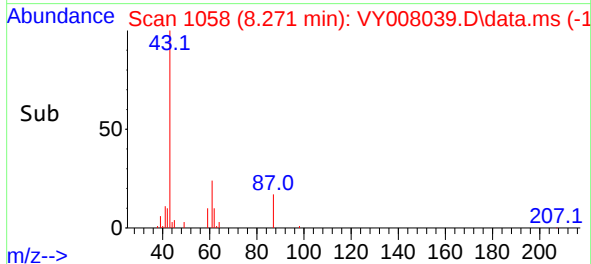
Instrument : MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 43 Resp: 1236
Ion Ratio Lower Upper
43 100
61 32.8 20.2 30.2
87 15.0 8.9 13.3

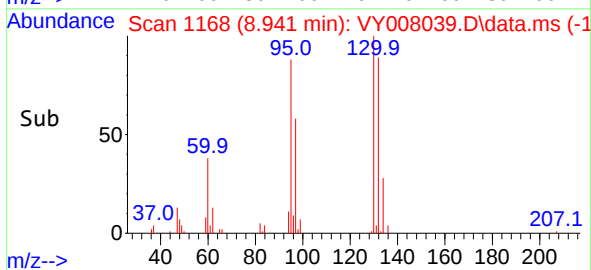
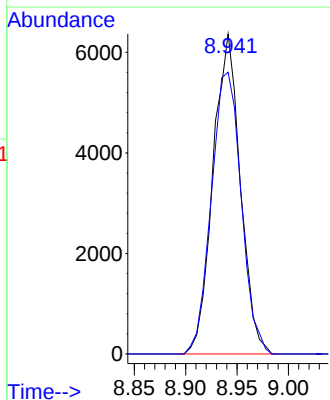
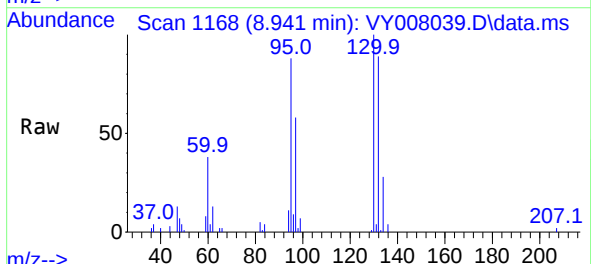
Manual Integrations
APPROVED

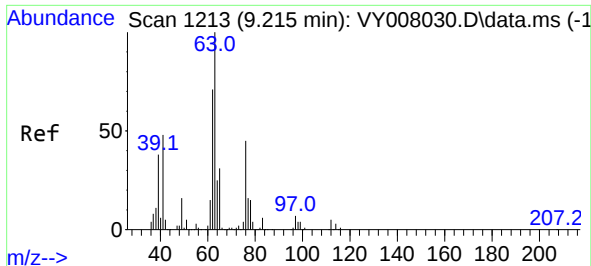
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#44
Trichloroethene
Concen: 4.877 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

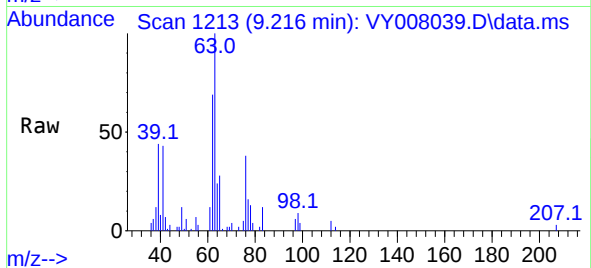
Tgt Ion:130 Resp: 11759
Ion Ratio Lower Upper
130 100
95 88.0 0.0 188.2





#45
1,2-Dichloropropane
Concen: 5.113 ug/l
RT: 9.216 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

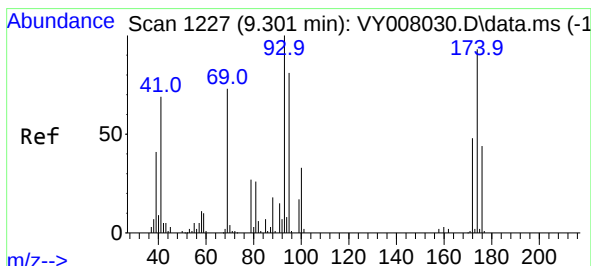
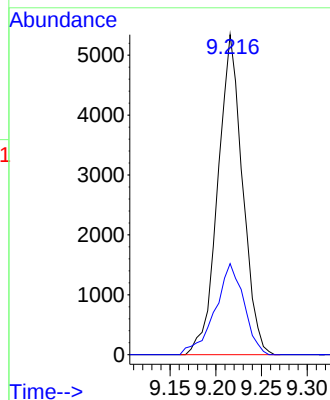
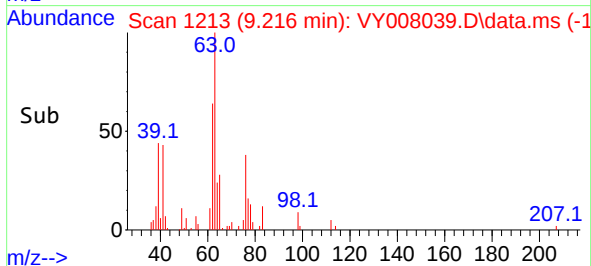
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 63 Resp: 1004
Ion Ratio Lower Upper
63 100
65 28.5 23.0 34.6

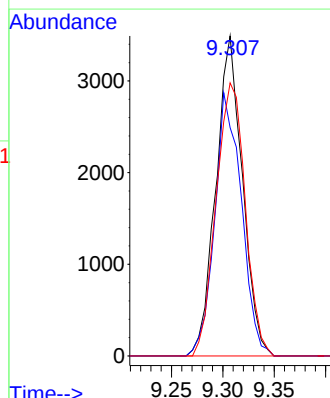
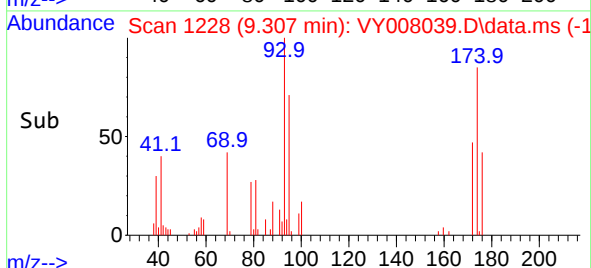
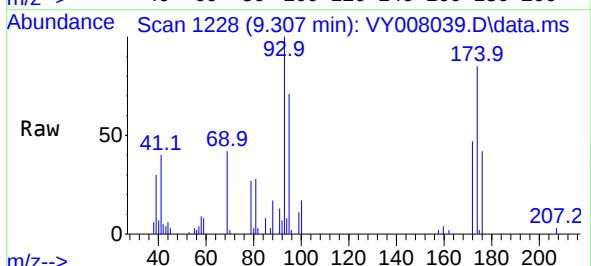
Manual Integrations
APPROVED

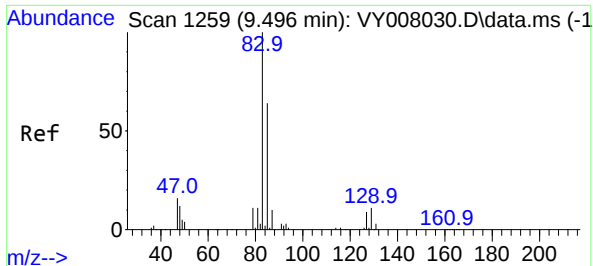
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#46
Dibromomethane
Concen: 4.844 ug/l
RT: 9.307 min Scan# 1228
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

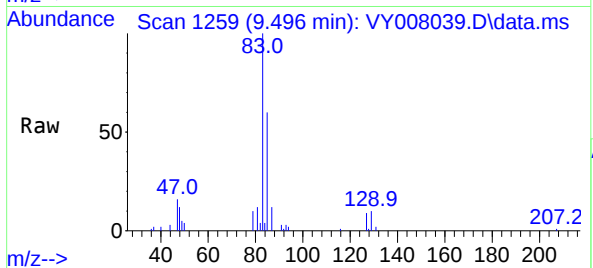
Tgt Ion: 93 Resp: 6259
Ion Ratio Lower Upper
93 100
95 82.8 64.3 96.5
174 93.7 83.4 125.0





#47
Bromodichloromethane
Concen: 4.852 ug/l
RT: 9.496 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

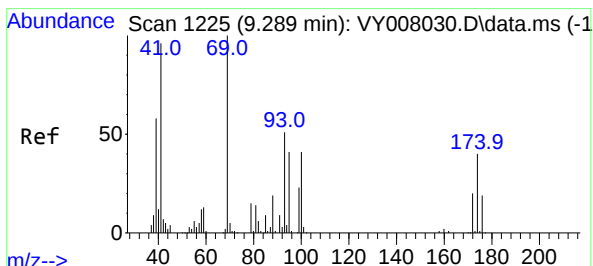
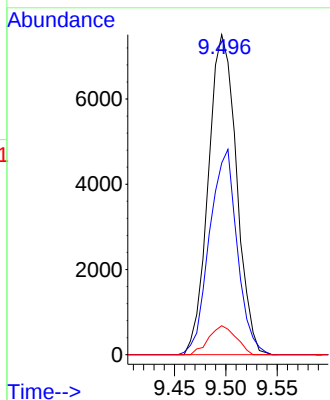
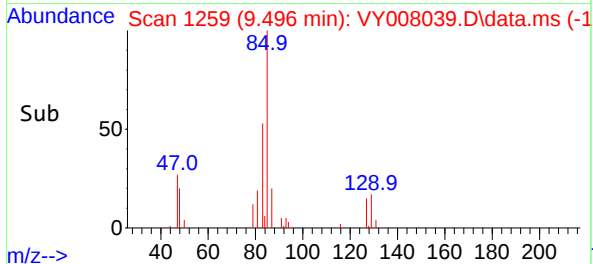
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT1-2022



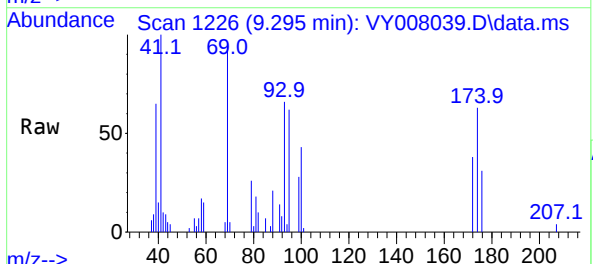
Tgt Ion: 83 Resp: 14334
Ion Ratio Lower Upper
83 100
85 59.9 51.9 77.9
127 9.0 6.6 10.0

Manual Integrations
APPROVED

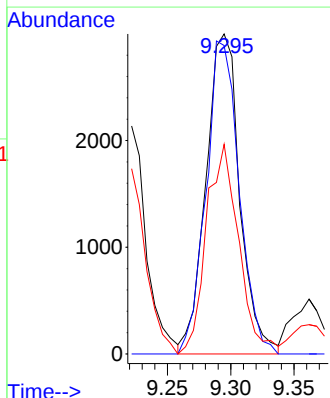
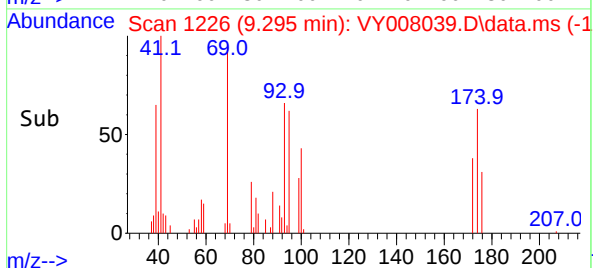
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

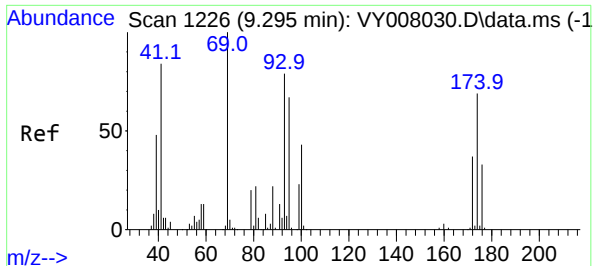


#48
Methyl methacrylate
Concen: 4.699 ug/l
RT: 9.295 min Scan# 1226
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32



Tgt Ion: 41 Resp: 5563
Ion Ratio Lower Upper
41 100
69 96.1 58.2 87.2#
39 62.9 47.4 71.0





#49

1,4-Dioxane

Concen: 91.346 ug/l

RT: 9.301 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY008039.D

Acq: 26 Mar 2022 12:32

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2022

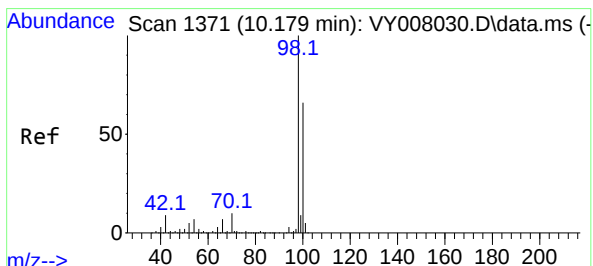
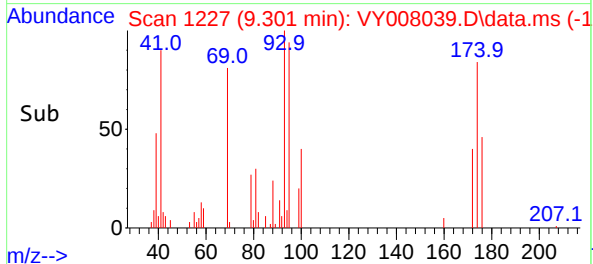
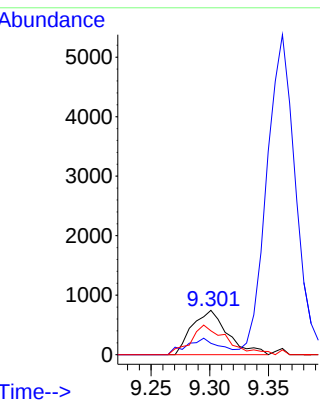
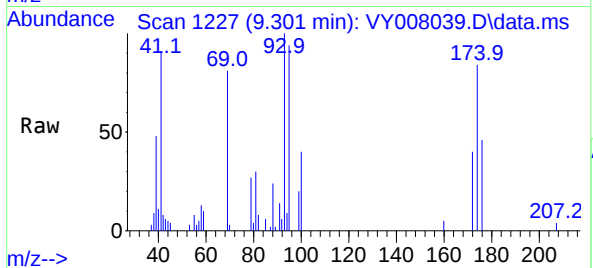
Tgt Ion: 88	Resp: 1569
Ion Ratio	Lower Upper
88 100	
43 33.8	32.8 49.2
58 67.4	59.8 89.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/28/2022

Supervised By :Mahesh Dadoda 03/28/2022



#50

Toluene-d8

Concen: 48.372 ug/l

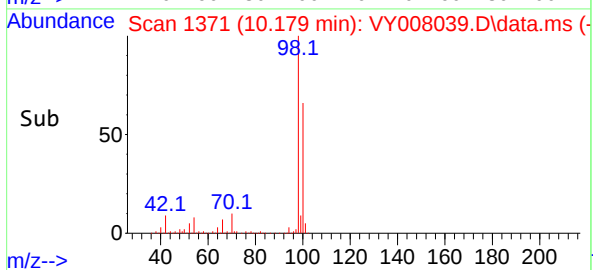
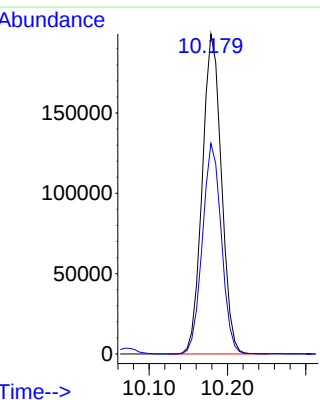
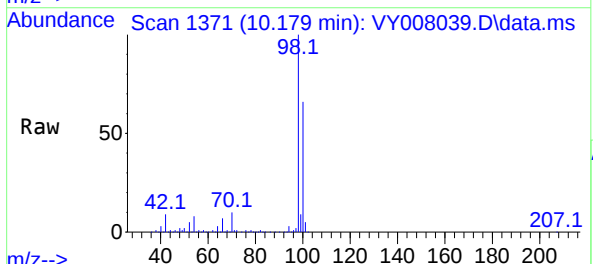
RT: 10.179 min Scan# 1371

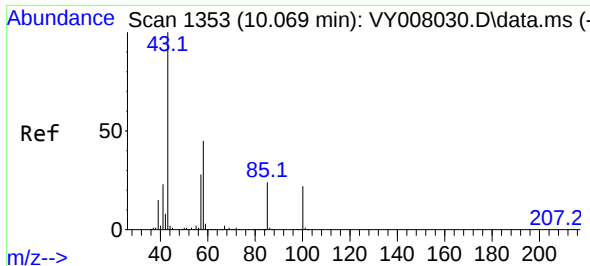
Delta R.T. -0.000 min

Lab File: VY008039.D

Acq: 26 Mar 2022 12:32

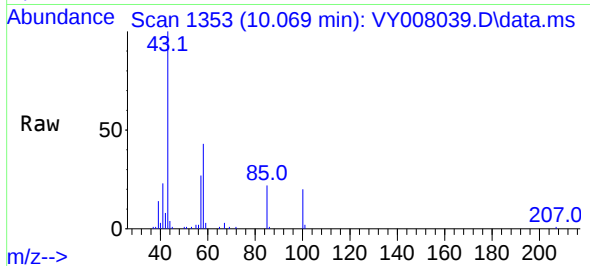
Tgt Ion: 98	Resp: 338174
Ion Ratio	Lower Upper
98 100	
100 65.2	50.2 75.2





#51
4-Methyl-2-Pentanone
Concen: 23.651 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

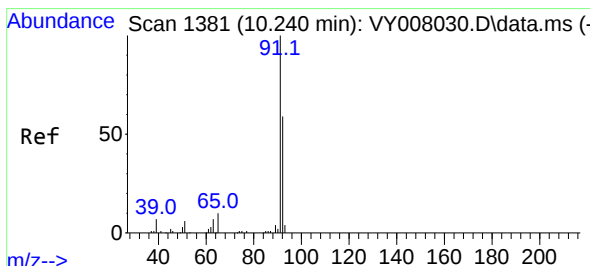
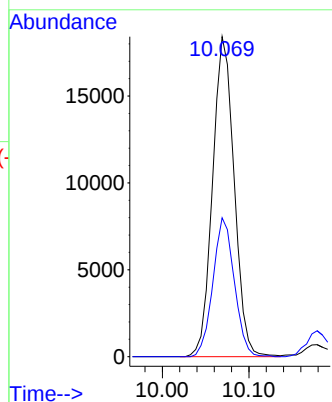
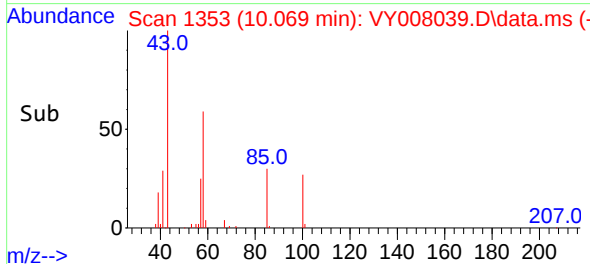
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 43 Resp: 31880
Ion Ratio Lower Upper
43 100
58 43.0 28.1 42.1

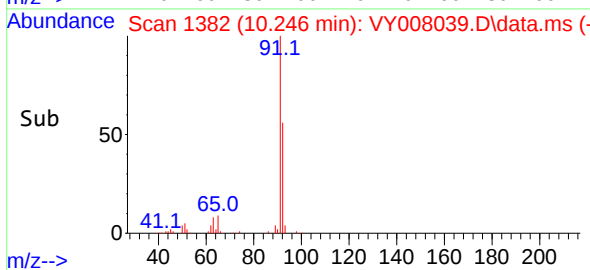
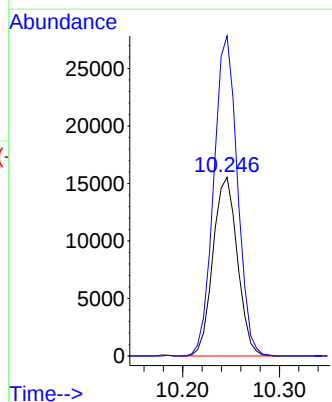
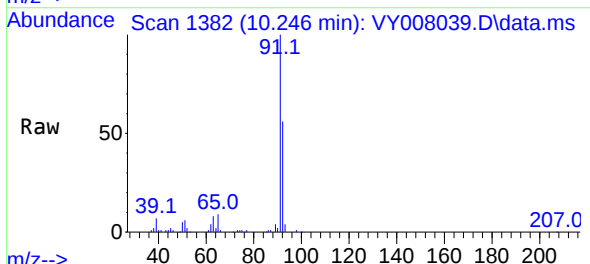
Manual Integrations
APPROVED

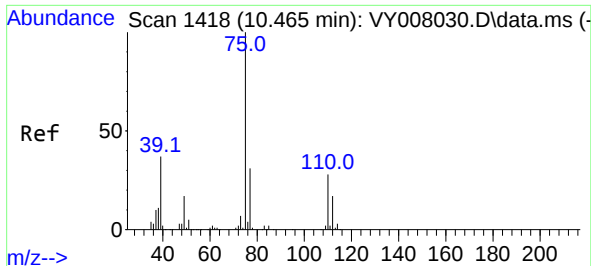
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#52
Toluene
Concen: 4.978 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

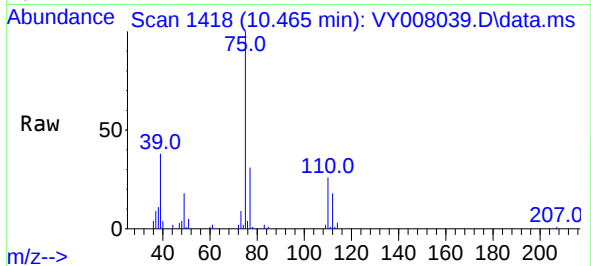
Tgt Ion: 92 Resp: 27222
Ion Ratio Lower Upper
92 100
91 173.5 142.6 213.8





#53
t-1,3-Dichloropropene
Concen: 4.697 ug/l
RT: 10.465 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

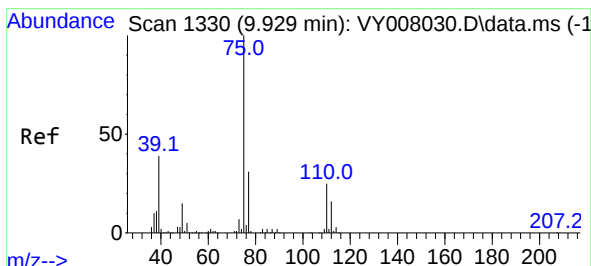
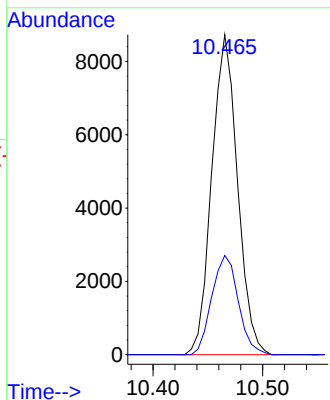
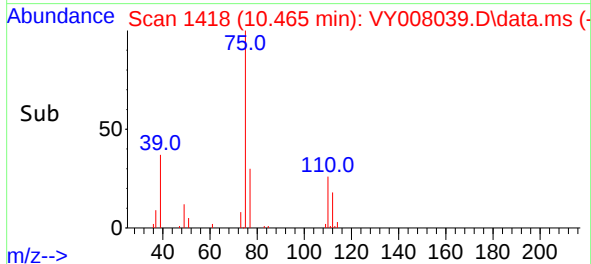
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



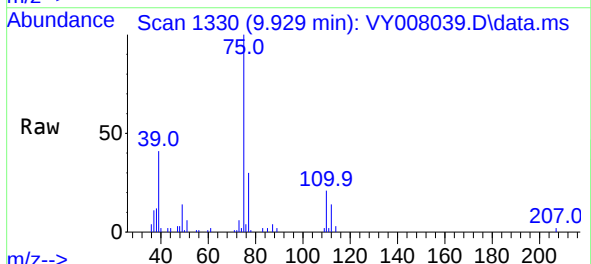
Tgt Ion: 75 Resp: 14225
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.2

Manual Integrations
APPROVED

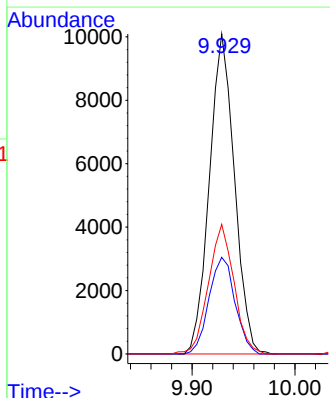
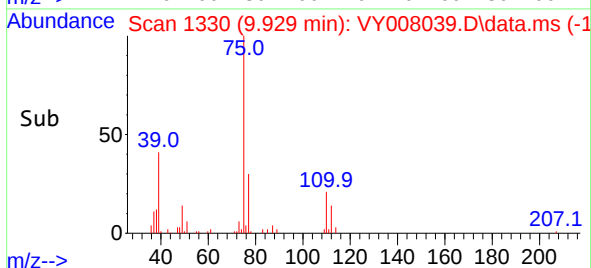
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

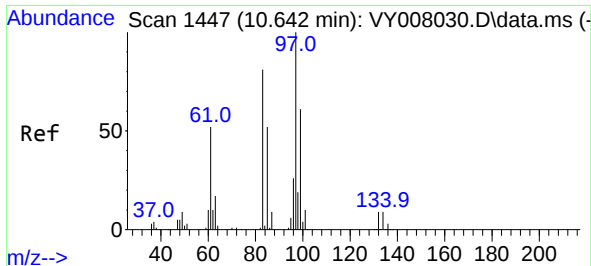


#54
cis-1,3-Dichloropropene
Concen: 4.983 ug/l
RT: 9.929 min Scan# 1330
Delta R.T. -0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32



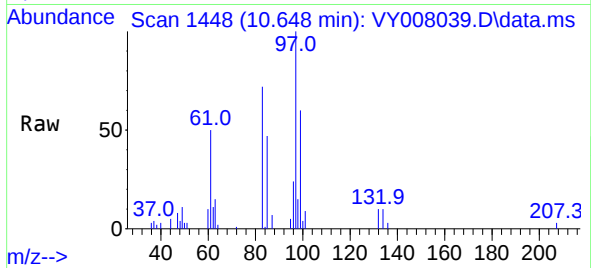
Tgt Ion: 75 Resp: 17082
Ion Ratio Lower Upper
75 100
77 30.2 25.6 38.4
39 40.5 47.6 71.4#





#55
1,1,2-Trichloroethane
Concen: 4.764 ug/l
RT: 10.648 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022

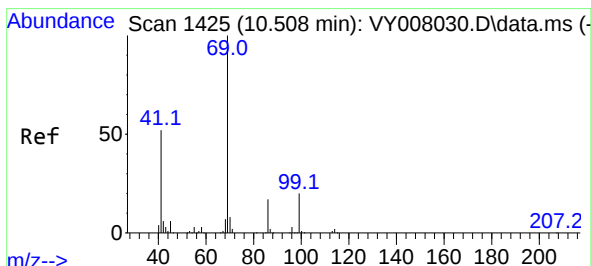
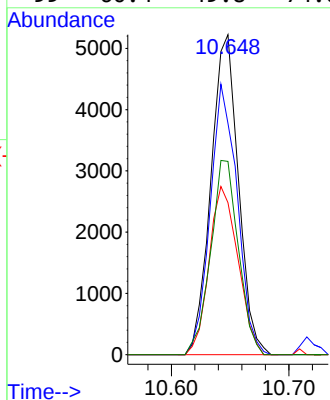
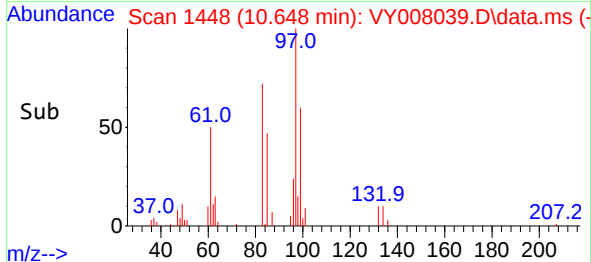


Tgt Ion: 97 Resp: 849

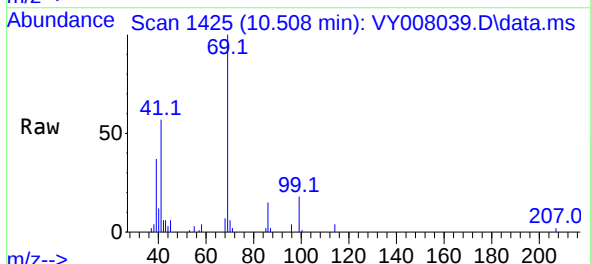
Ion	Ratio	Lower	Upper
97	100		
83	72.3	69.8	104.8
85	47.5	44.3	66.5
99	60.4	49.8	74.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

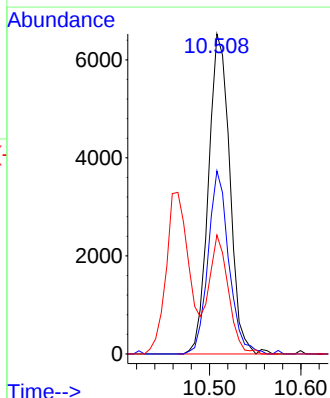
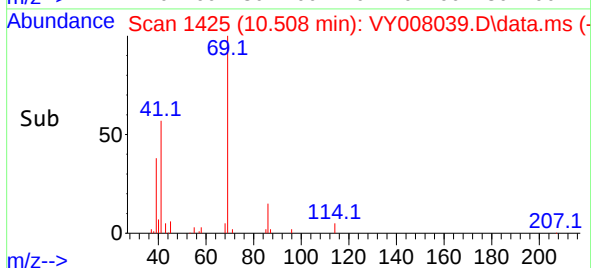


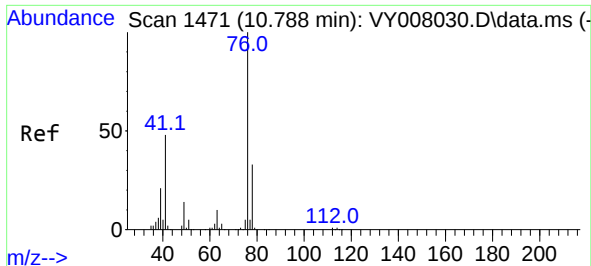
#56
Ethyl methacrylate
Concen: 4.531 ug/l
RT: 10.508 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32



Tgt Ion: 69 Resp: 10544

Ion	Ratio	Lower	Upper
69	100		
41	55.9	63.4	95.0#
39	33.8	35.8	53.8#





#57

1,3-Dichloropropane

Concen: 4.776 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY008039.D

Acq: 26 Mar 2022 12:32

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2022

Tgt Ion: 76 Resp: 13940

Ion Ratio Lower Upper

76 100

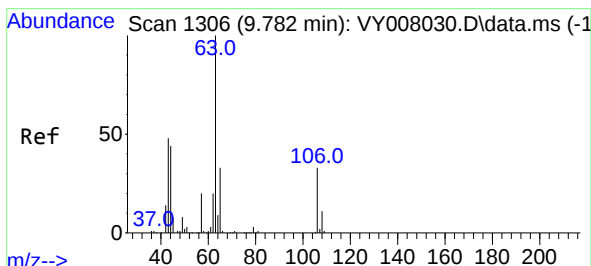
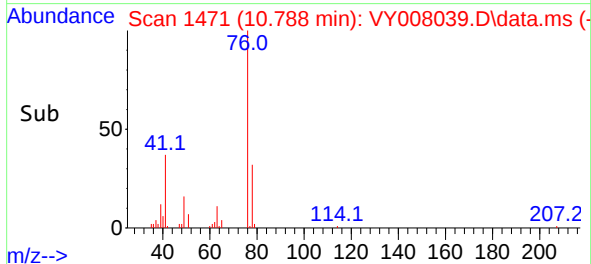
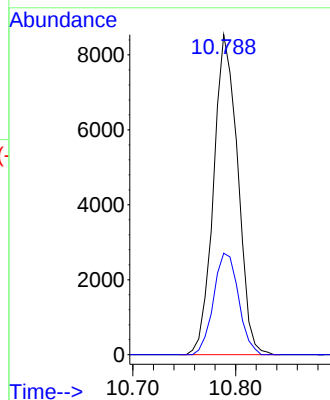
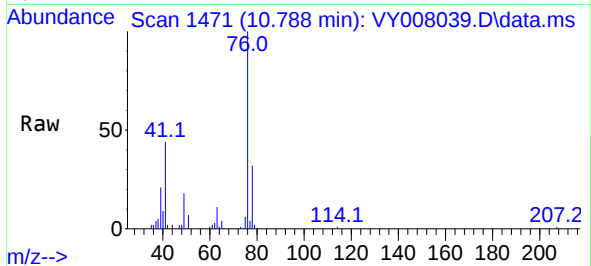
78 32.8 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/28/2022

Supervised By :Mahesh Dadoda 03/28/2022



#58

2-Chloroethyl Vinyl ether

Concen: 27.447 ug/l

RT: 9.783 min Scan# 1306

Delta R.T. 0.001 min

Lab File: VY008039.D

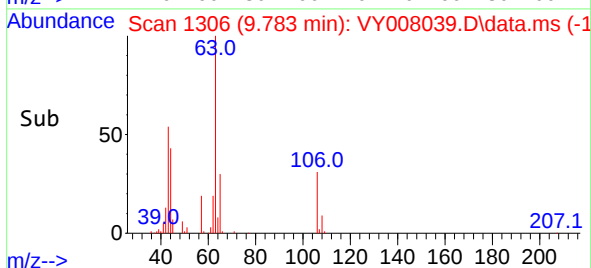
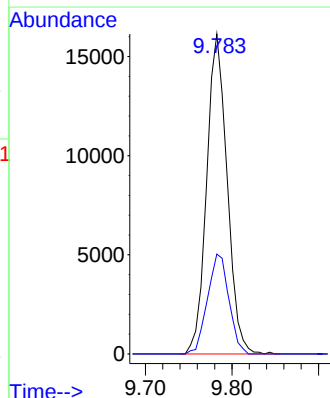
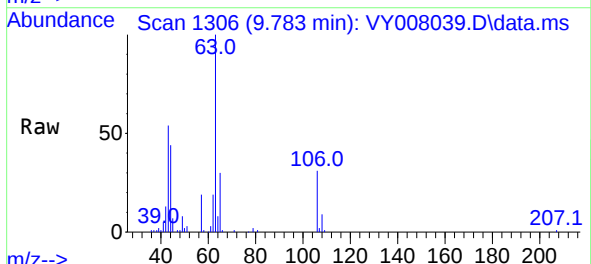
Acq: 26 Mar 2022 12:32

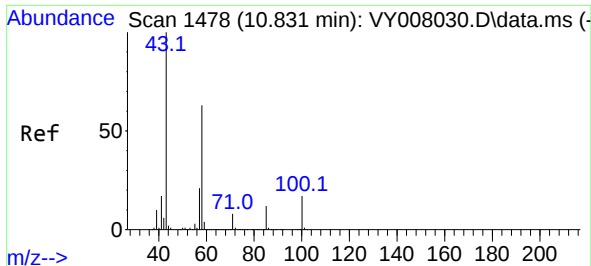
Tgt Ion: 63 Resp: 26466

Ion Ratio Lower Upper

63 100

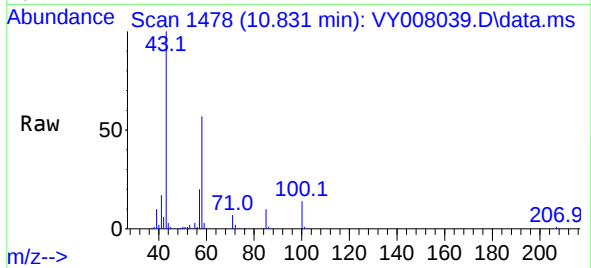
106 32.5 21.5 32.3#





#59
2-Hexanone
Concen: 22.973 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

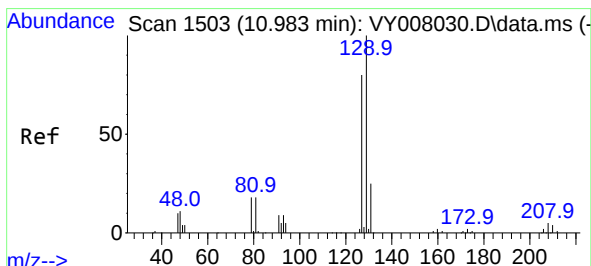
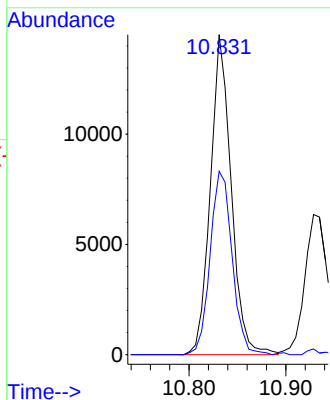
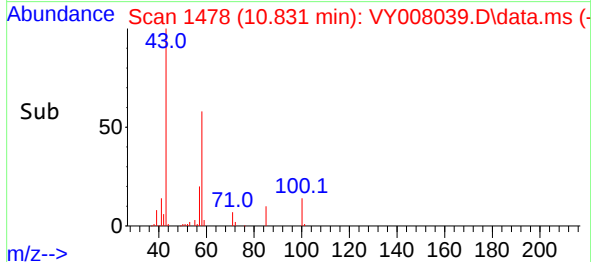
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 43 Resp: 2167
Ion Ratio Lower Upper
43 100
58 60.5 24.4 73.4

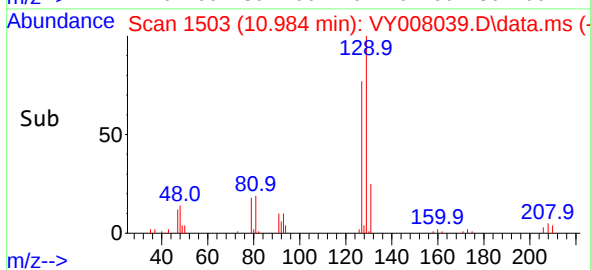
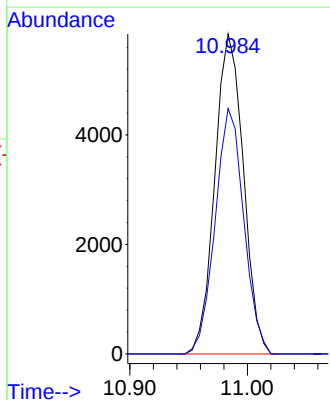
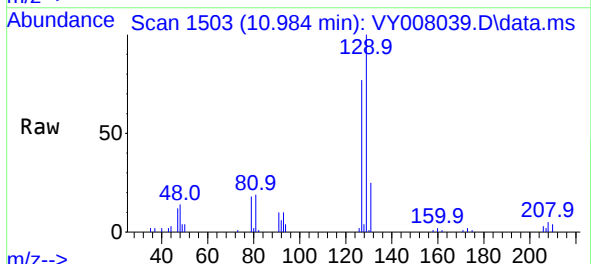
Manual Integrations
APPROVED

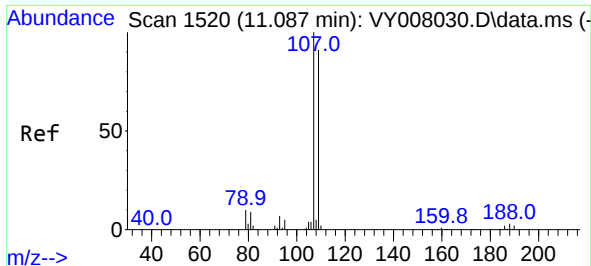
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#60
Dibromochloromethane
Concen: 4.545 ug/l
RT: 10.984 min Scan# 1503
Delta R.T. 0.001 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

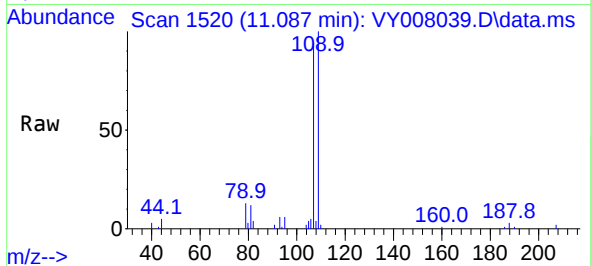
Tgt Ion:129 Resp: 9863
Ion Ratio Lower Upper
129 100
127 77.0 38.7 116.1





#61
1,2-Dibromoethane
Concen: 4.611 ug/l
RT: 11.087 min Scan# 1520
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

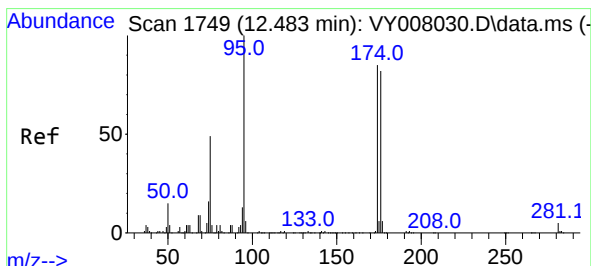
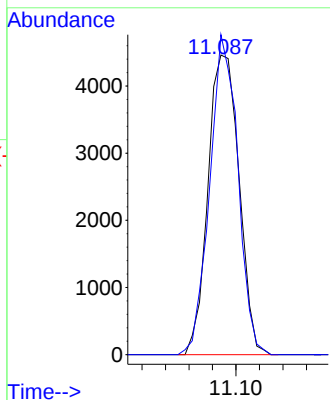
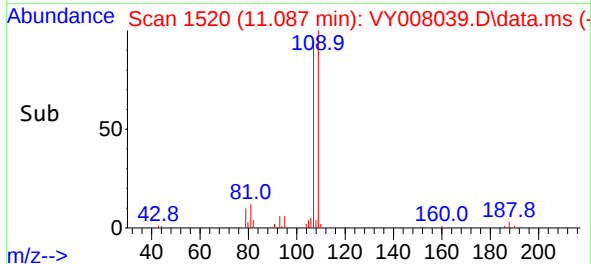
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



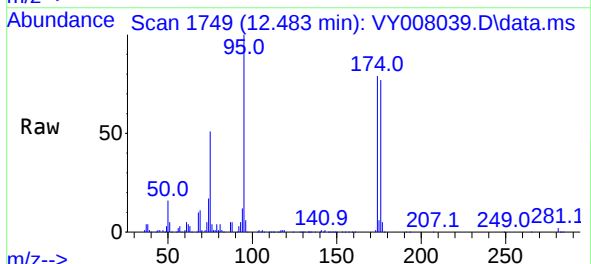
Tgt Ion:107 Resp: 8194
Ion Ratio Lower Upper
107 100
109 96.5 75.4 113.2

Manual Integrations
APPROVED

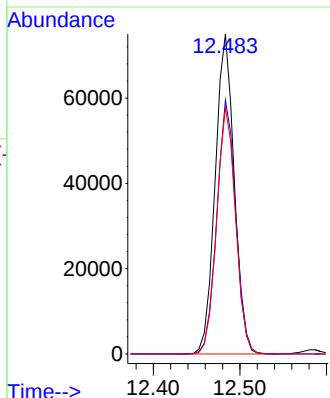
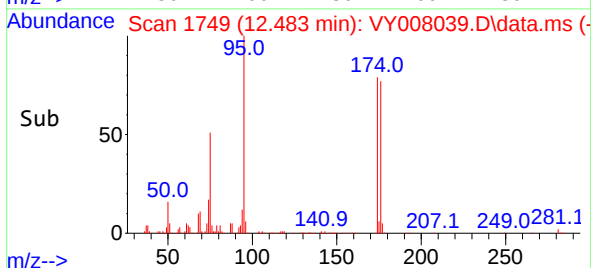
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#62
4-Bromofluorobenzene
Concen: 46.304 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32



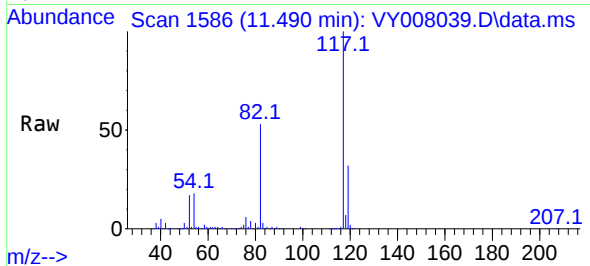
Tgt Ion: 95 Resp: 114209
Ion Ratio Lower Upper
95 100
174 79.2 0.0 177.0
176 76.3 0.0 175.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

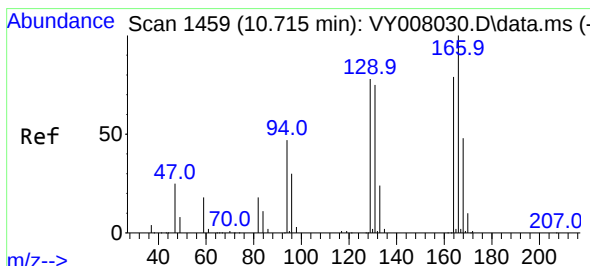
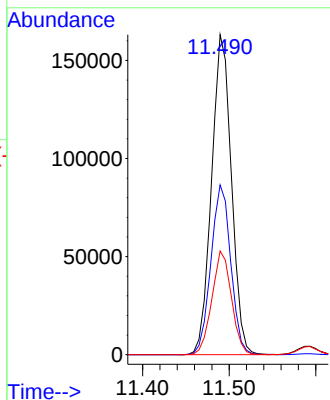
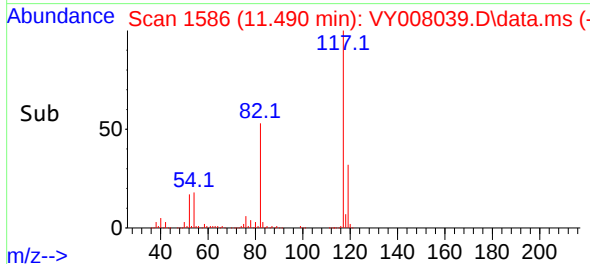
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



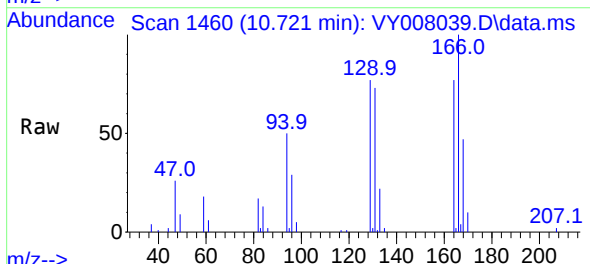
Tgt Ion:117 Resp: 25984
Ion Ratio Lower Upper
117 100
82 53.1 43.0 64.4
119 32.4 25.4 38.0

Manual Integrations
APPROVED

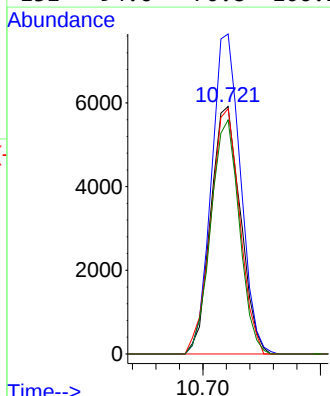
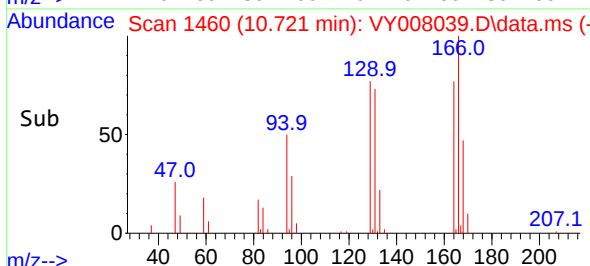
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#64
Tetrachloroethene
Concen: 5.206 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32



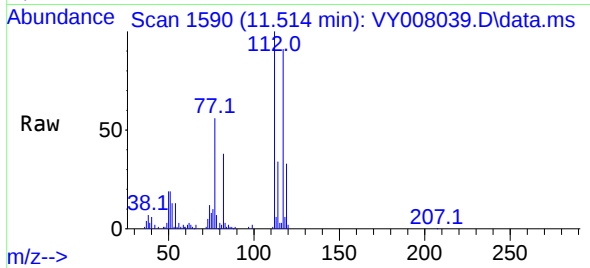
Tgt Ion:164 Resp: 10390
Ion Ratio Lower Upper
164 100
166 129.3 100.4 150.6
129 99.1 71.4 107.0
131 94.6 70.8 106.2





#65
Chlorobenzene
Concen: 4.986 ug/l
RT: 11.514 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

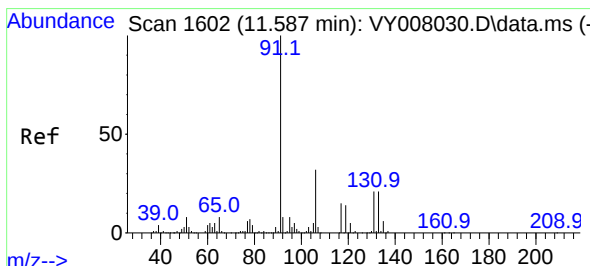
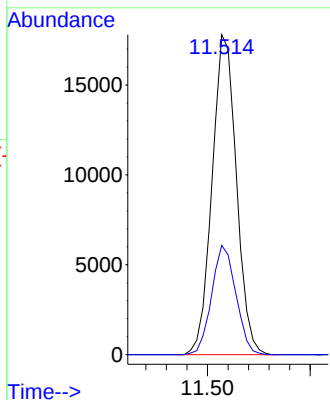
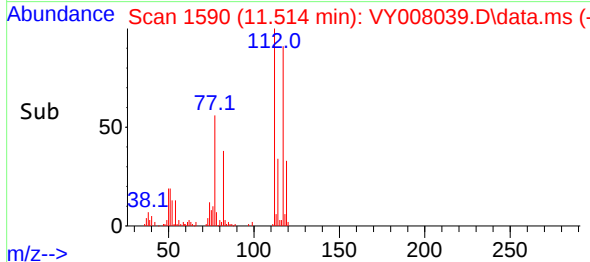
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



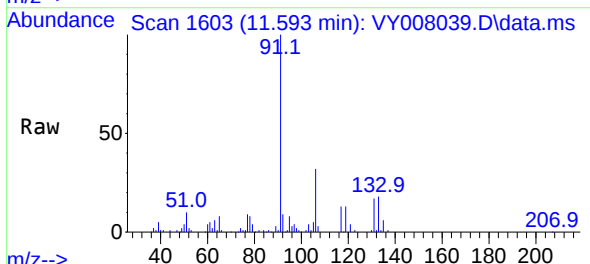
Tgt Ion:112 Resp: 29214
Ion Ratio Lower Upper
112 100
114 34.1 25.8 38.6

Manual Integrations
APPROVED

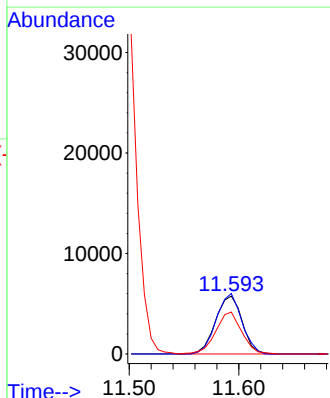
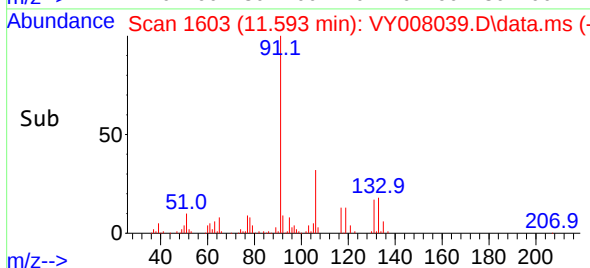
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

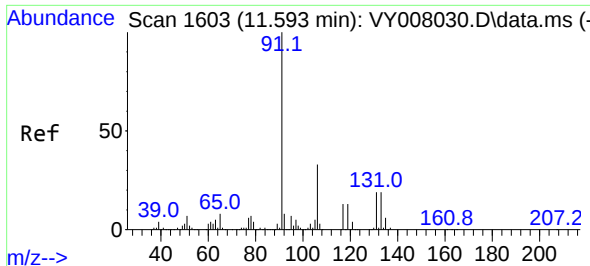


#66
1,1,1,2-Tetrachloroethane
Concen: 4.488 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32



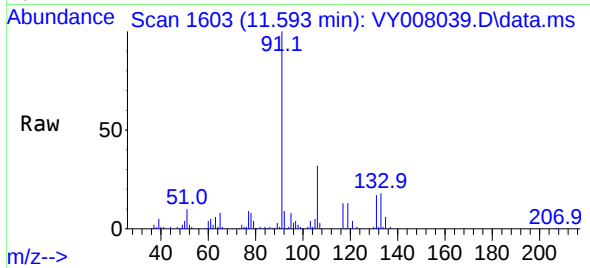
Tgt Ion:131 Resp: 9699
Ion Ratio Lower Upper
131 100
133 100.1 47.9 143.6
119 71.0 30.8 92.3





#67
Ethyl Benzene
Concen: 4.997 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

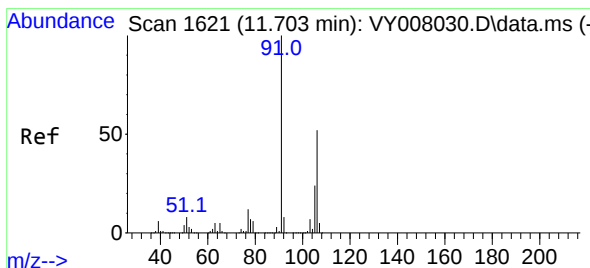
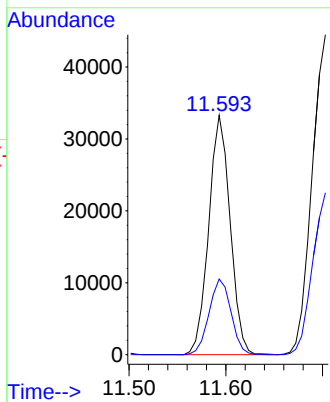
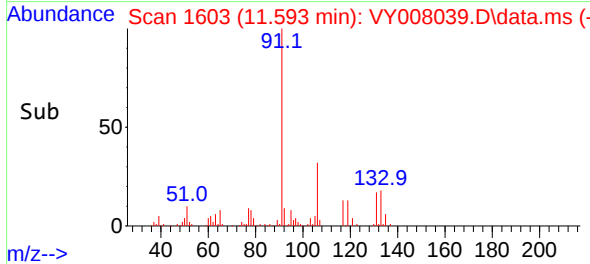
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 91 Resp: 51318
Ion Ratio Lower Upper
91 100
106 31.6 24.5 36.7

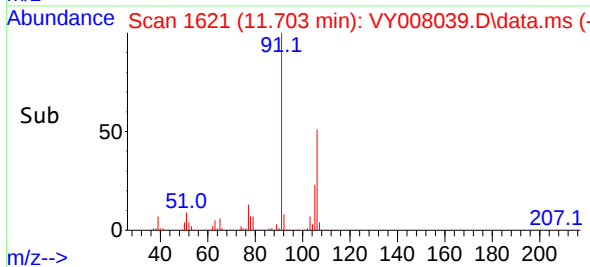
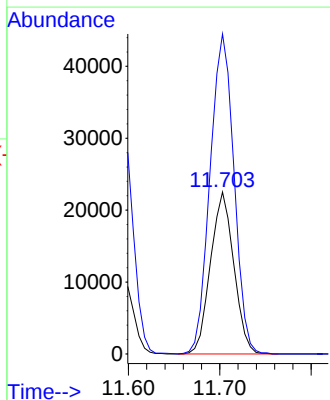
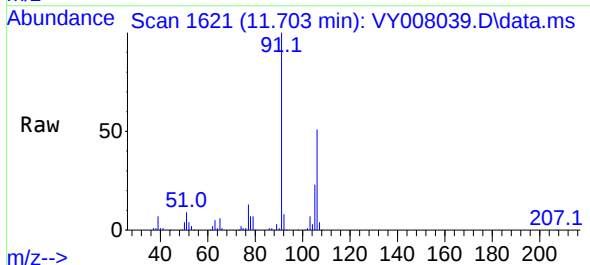
Manual Integrations
APPROVED

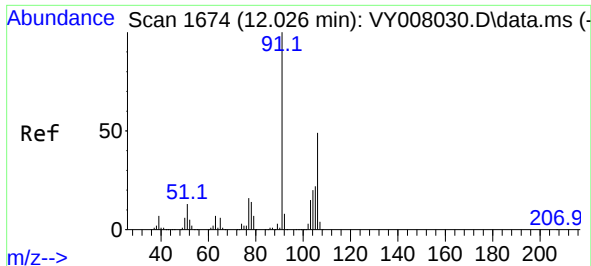
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#68
m/p-Xylenes
Concen: 9.780 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

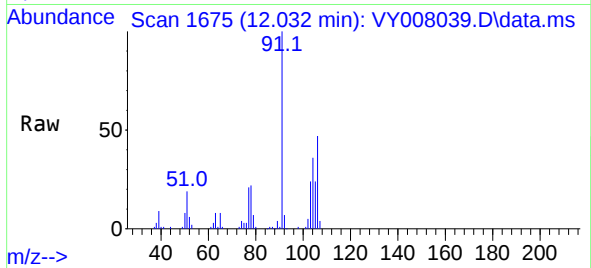
Tgt Ion:106 Resp: 39934
Ion Ratio Lower Upper
106 100
91 203.0 166.6 249.8





#69
o-Xylene
Concen: 4.841 ug/l
RT: 12.032 min Scan# 1674
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

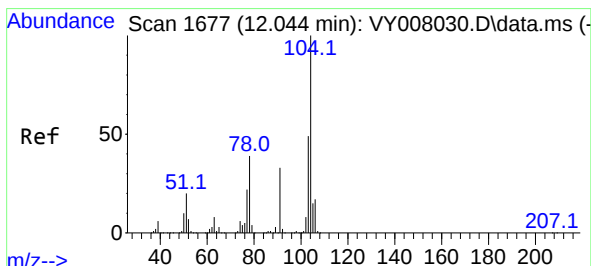
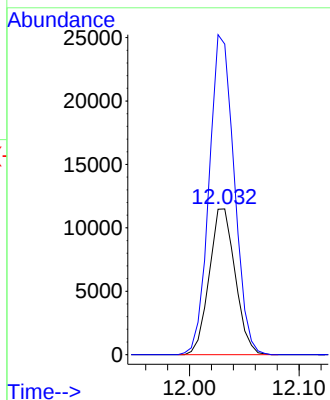
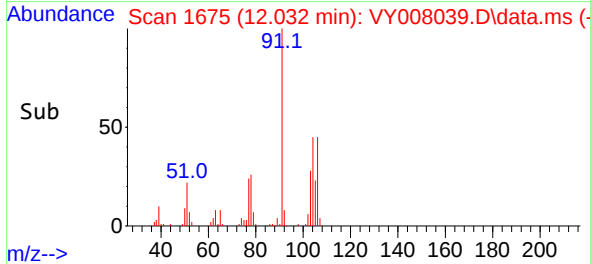
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



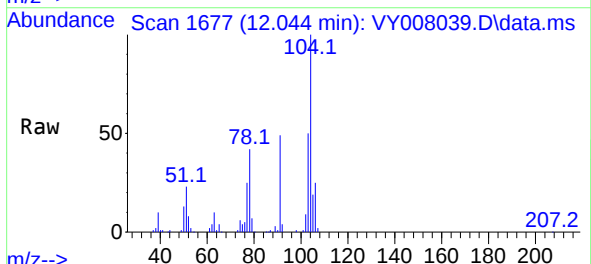
Tgt Ion:106 Resp: 18920
Ion Ratio Lower Upper
106 100
91 212.0 110.3 331.0

Manual Integrations
APPROVED

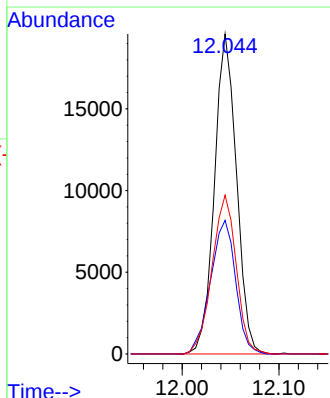
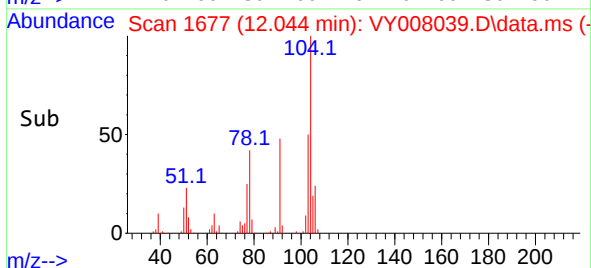
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

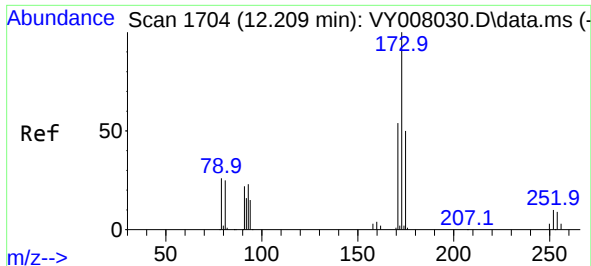


#70
Styrene
Concen: 4.834 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32



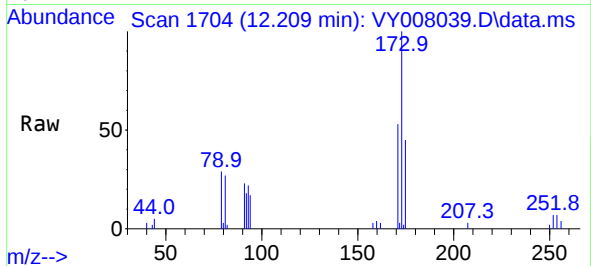
Tgt Ion:104 Resp: 30937
Ion Ratio Lower Upper
104 100
78 47.5 42.4 63.6
103 54.5 44.4 66.6





#71
Bromoform
Concen: 4.206 ug/l
RT: 12.209 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

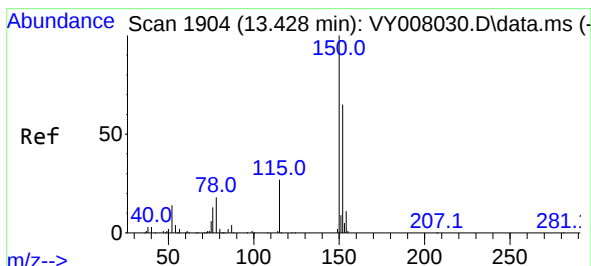
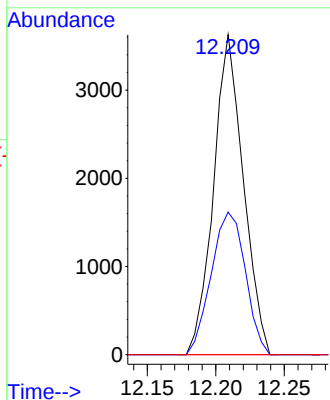
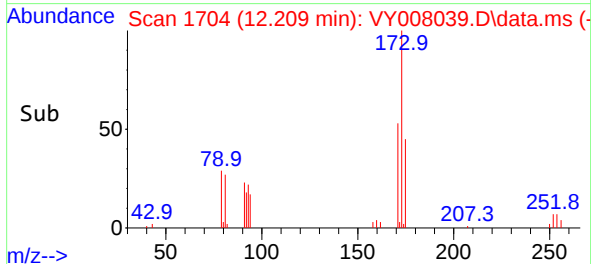
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



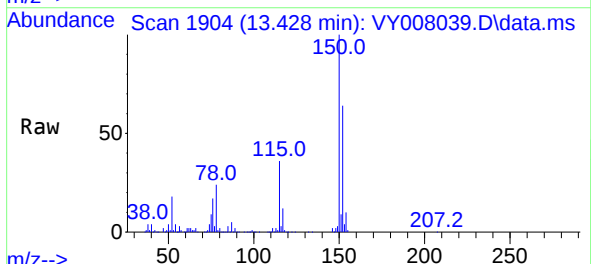
Tgt Ion:173 Resp: 548
Ion Ratio Lower Upper
173 100
175 51.0 24.6 74.0
254 0.0 0.0 0.0

Manual Integrations
APPROVED

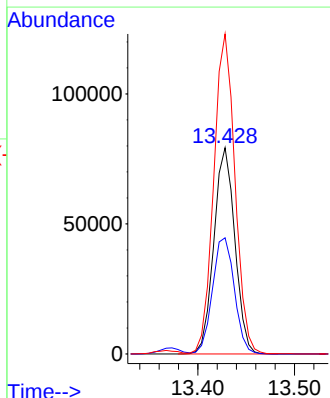
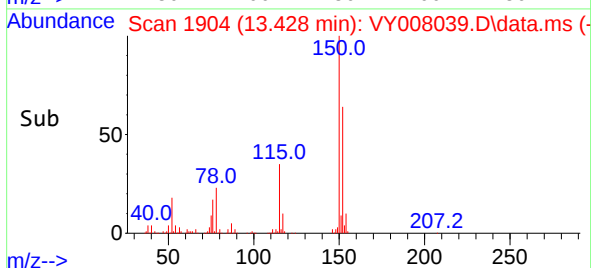
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32



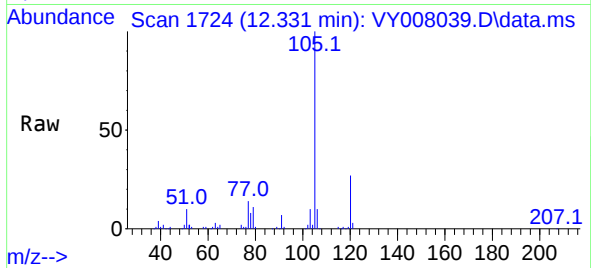
Tgt Ion:152 Resp: 119303
Ion Ratio Lower Upper
152 100
115 58.9 28.2 84.7
150 157.3 0.0 347.6





#73
Isopropylbenzene
Concen: 5.245 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

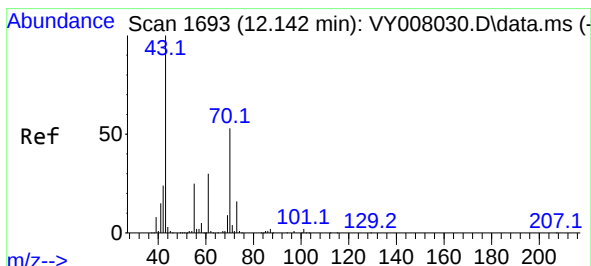
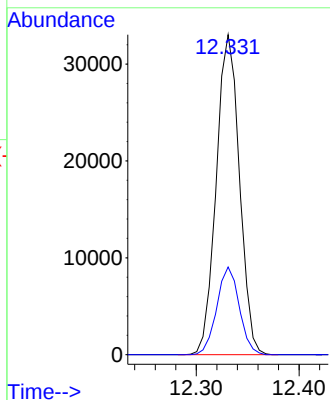
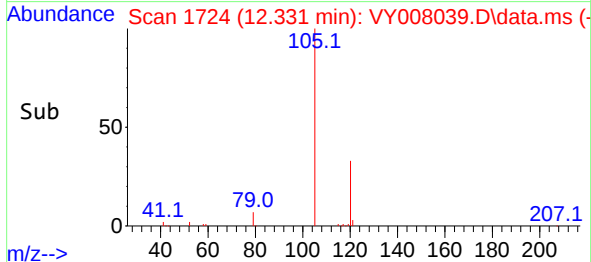
Instrument : MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



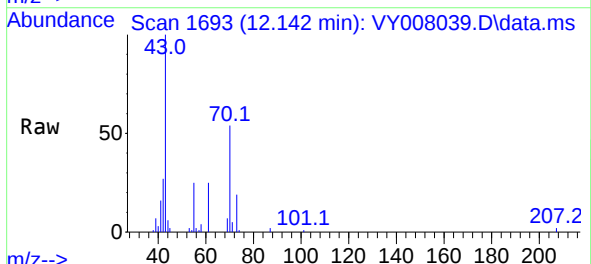
Tgt Ion:105 Resp: 51649
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.2

Manual Integrations
APPROVED

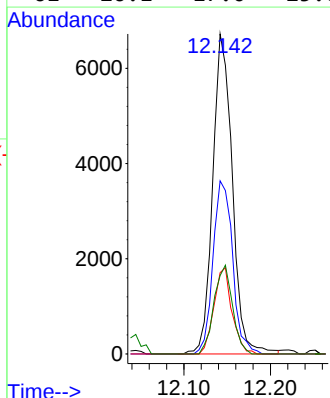
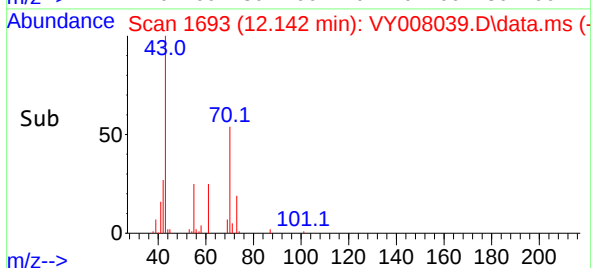
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

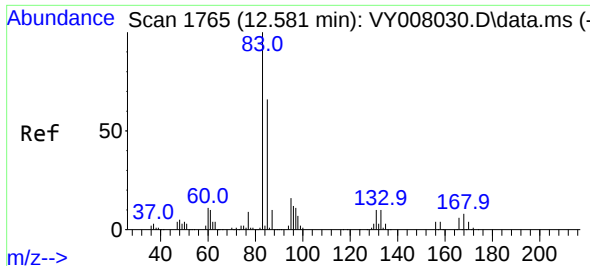


#74
N-ethyl acetate
Concen: 4.878 ug/l
RT: 12.142 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32



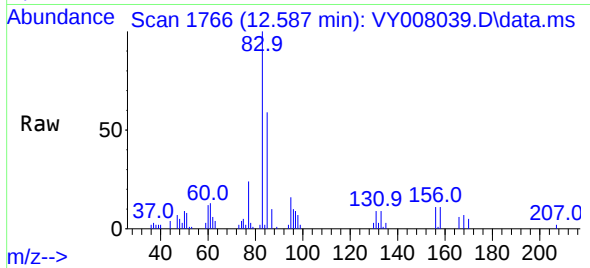
Tgt Ion: 43 Resp: 10559
Ion Ratio Lower Upper
43 100
70 54.1 28.7 43.1#
55 24.8 17.3 25.9
61 26.1 17.0 25.6#





#75
1,1,2,2-Tetrachloroethane
Concen: 5.132 ug/l
RT: 12.587 min Scan# 1765
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

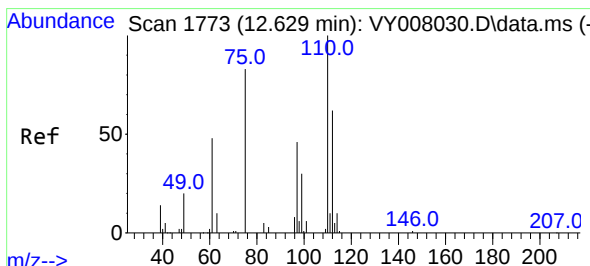
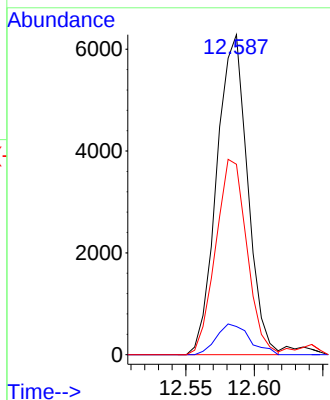
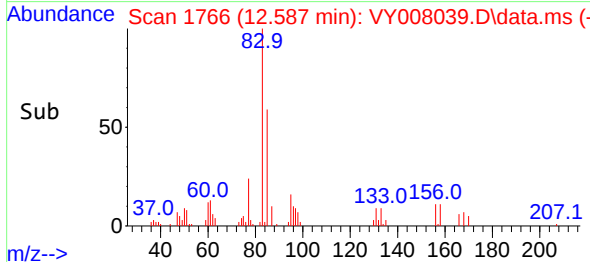
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



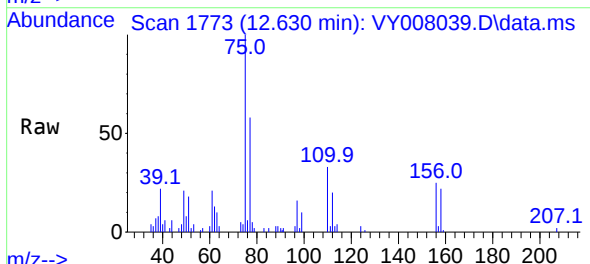
Tgt Ion: 83 Resp: 982
Ion Ratio Lower Upper
83 100
131 10.3 5.6 16.8
85 62.0 32.3 96.8

Manual Integrations
APPROVED

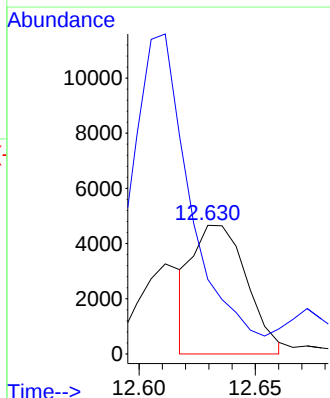
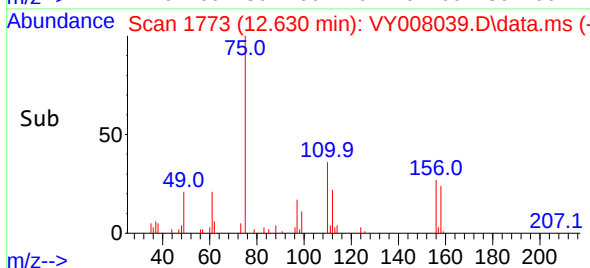
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

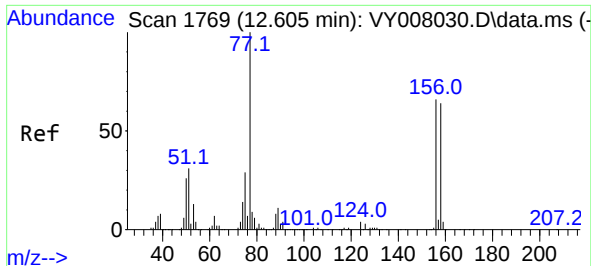


#76
1,2,3-Trichloropropane
Concen: 5.155 ug/l m
RT: 12.630 min Scan# 1773
Delta R.T. 0.001 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32



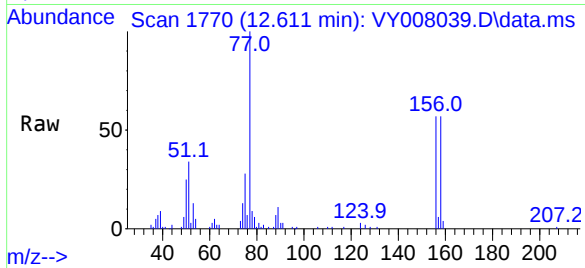
Tgt Ion: 75 Resp: 7497
Ion Ratio Lower Upper
75 100
77 277.9 0.0 0.0#





#77
Bromobenzene
Concen: 4.780 ug/l
RT: 12.611 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

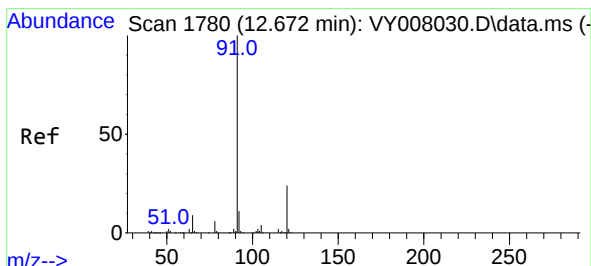
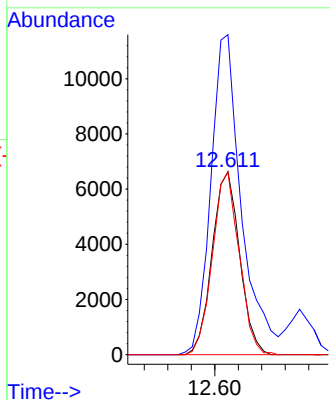
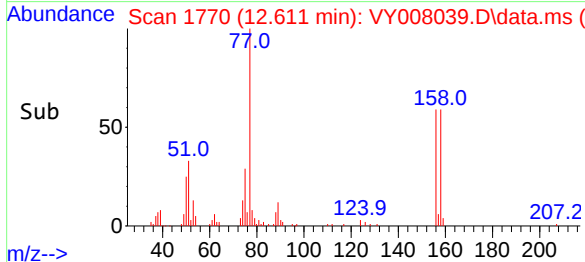
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



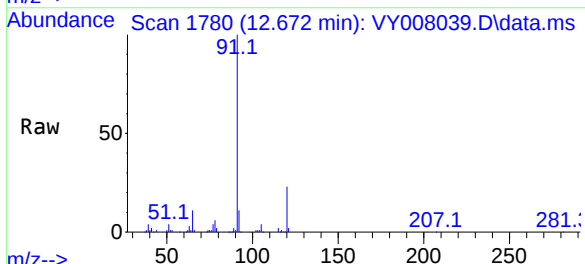
Tgt Ion: 156 Resp: 10799
Ion Ratio Lower Upper
156 100
77 193.0 95.5 286.4
158 96.8 48.0 144.0

Manual Integrations
APPROVED

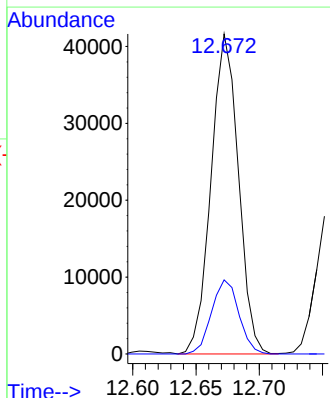
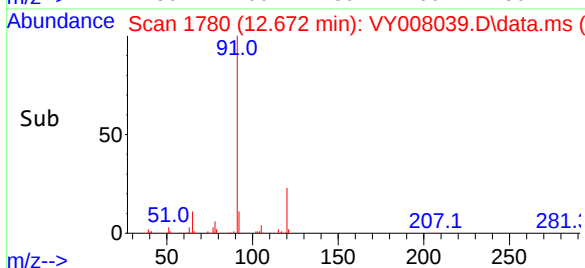
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#78
n-propylbenzene
Concen: 5.389 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32



Tgt Ion: 91 Resp: 62600
Ion Ratio Lower Upper
91 100
120 23.0 11.3 33.9





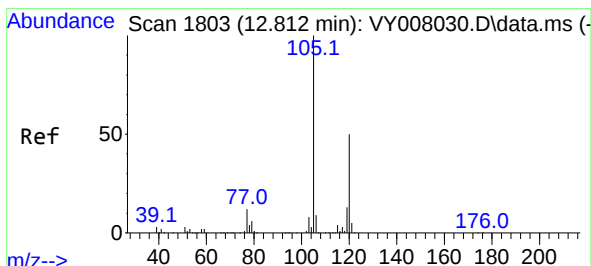
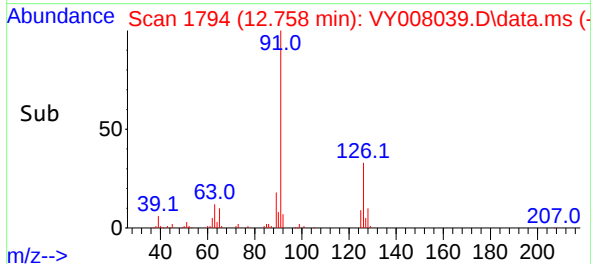
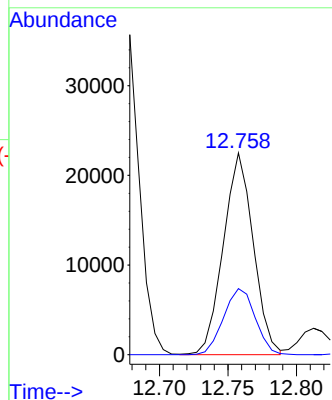
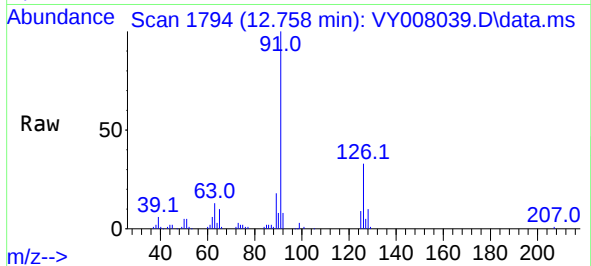
#79
2-Chlorotoluene
Concen: 5.316 ug/l
RT: 12.758 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion: 91 Resp: 34254
Ion Ratio Lower Upper
91 100
126 34.6 16.9 50.6

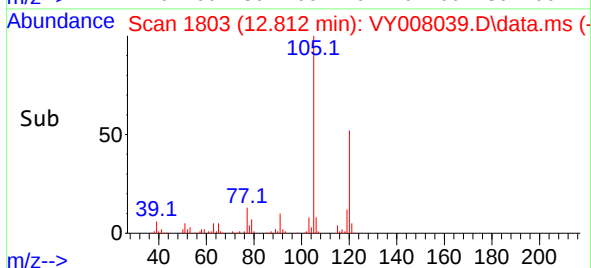
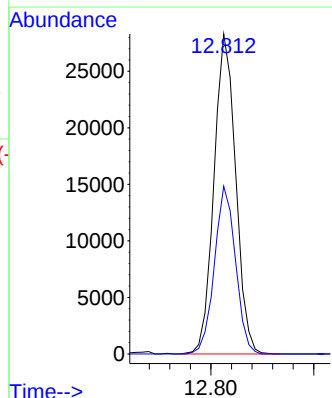
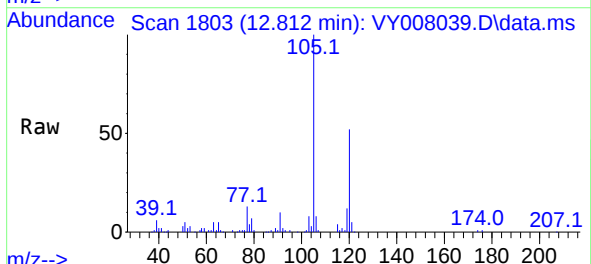
Manual Integrations
APPROVED

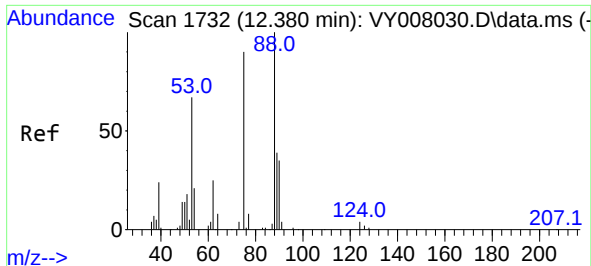
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#80
1,3,5-Trimethylbenzene
Concen: 5.135 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

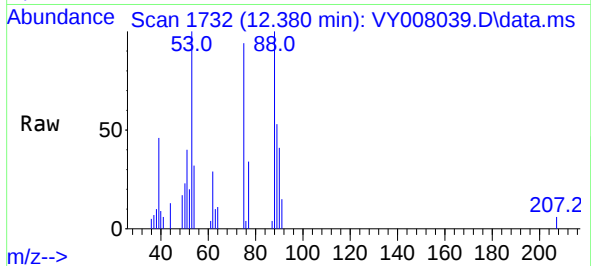
Tgt Ion:105 Resp: 41425
Ion Ratio Lower Upper
105 100
120 50.8 24.4 73.4





#81
trans-1,4-Dichloro-2-butene
Concen: 4.145 ug/l
RT: 12.380 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

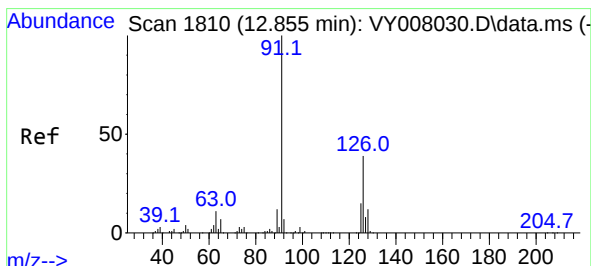
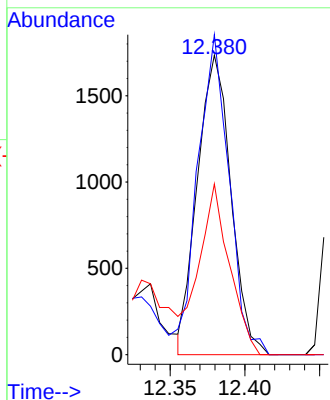
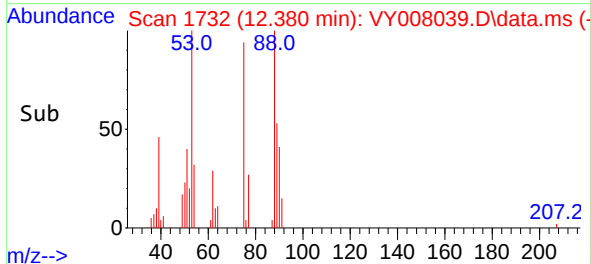
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 75 Resp: 270
Ion Ratio Lower Upper
75 100
53 100.5 85.3 127.9
89 52.0 37.0 55.4

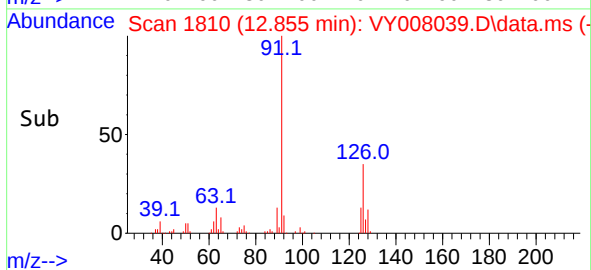
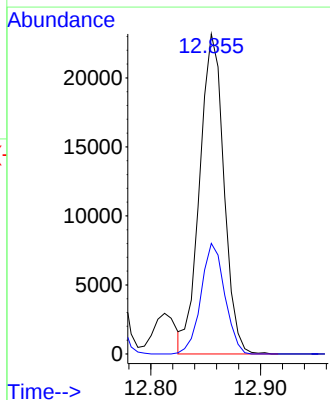
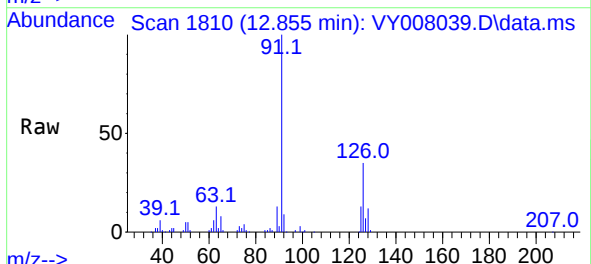
Manual Integrations
APPROVED

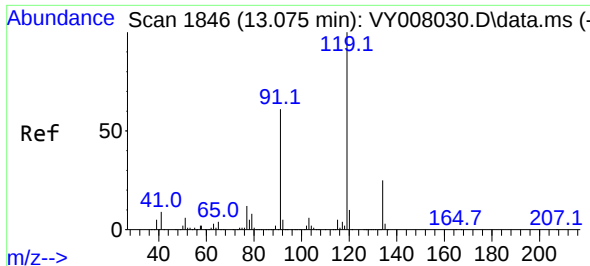
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#82
4-Chlorotoluene
Concen: 5.369 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

Tgt Ion: 91 Resp: 35499
Ion Ratio Lower Upper
91 100
126 33.9 17.0 51.0





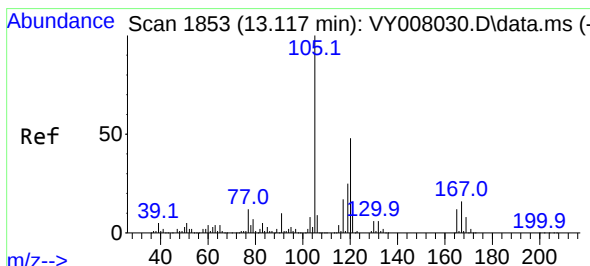
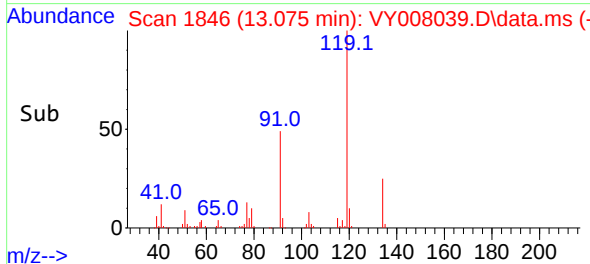
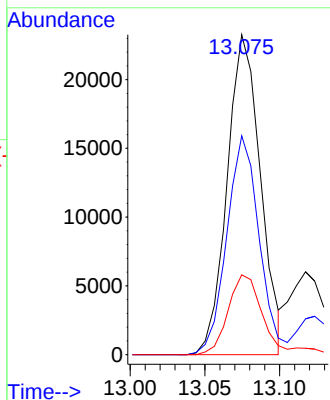
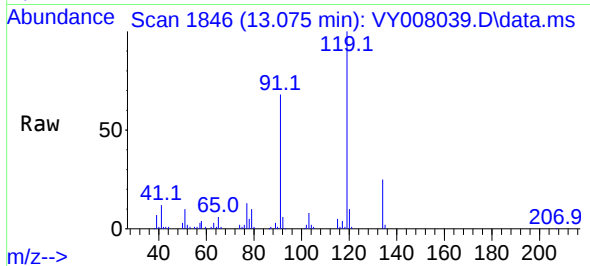
#83
tert-Butylbenzene
Concen: 5.028 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. -0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT1-2022

Tgt Ion:119 Resp: 3613
Ion Ratio Lower Upper
119 100
91 66.4 34.8 104.4
134 26.6 13.3 39.9

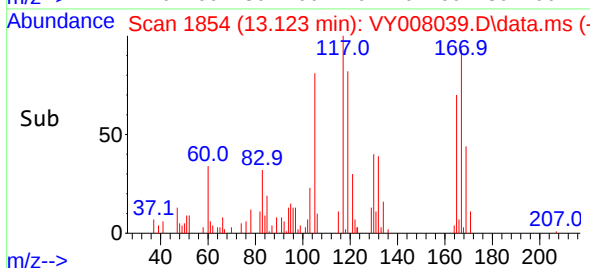
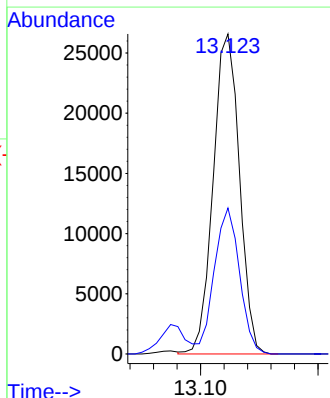
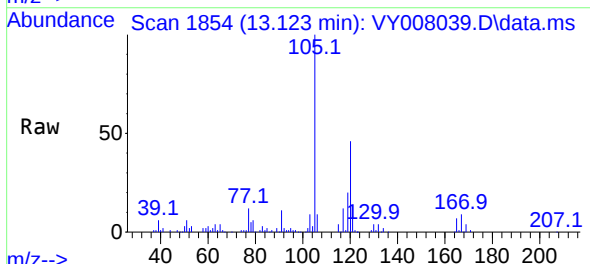
Manual Integrations
APPROVED

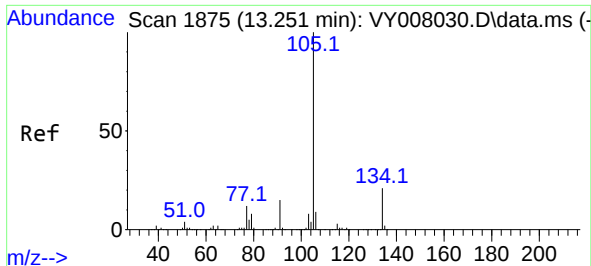
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#84
1,2,4-Trimethylbenzene
Concen: 5.250 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

Tgt Ion:105 Resp: 41246
Ion Ratio Lower Upper
105 100
120 44.2 22.3 66.9





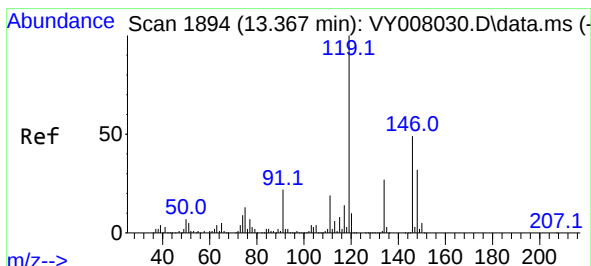
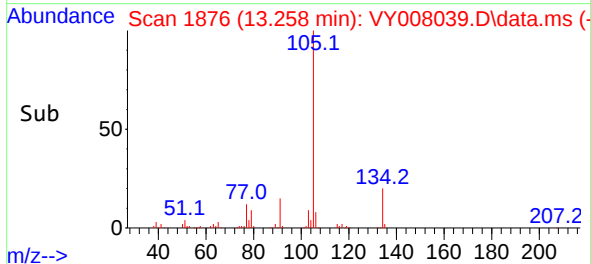
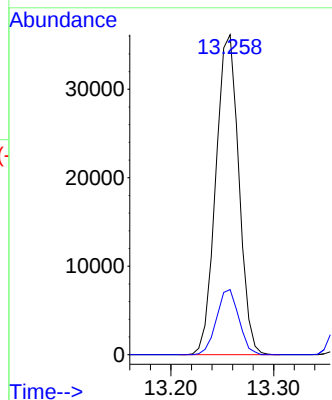
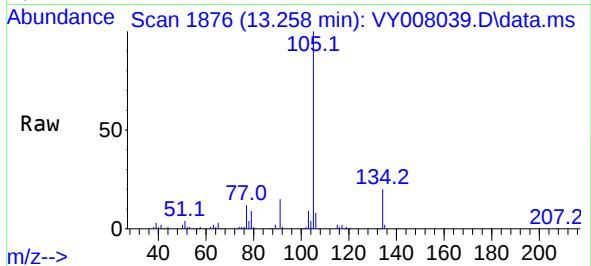
#85
 sec-Butylbenzene
 Concen: 5.288 ug/l
 RT: 13.258 min Scan# 1876
 Delta R.T. 0.007 min
 Lab File: VY008039.D
 Acq: 26 Mar 2022 12:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2022

Tgt Ion:105 Resp: 5610
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.2 30.4

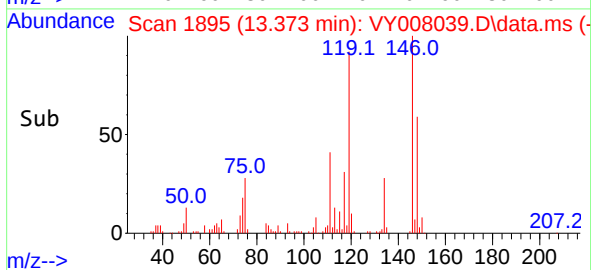
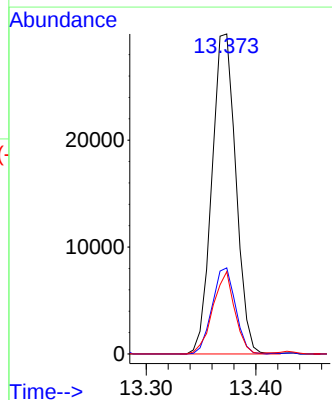
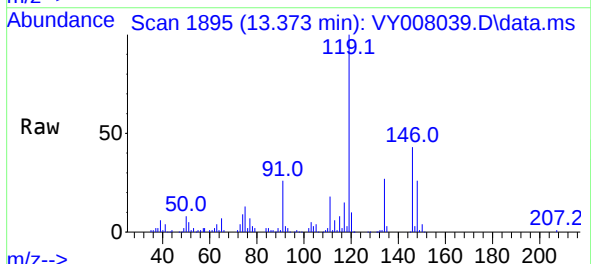
Manual Integrations
 APPROVED

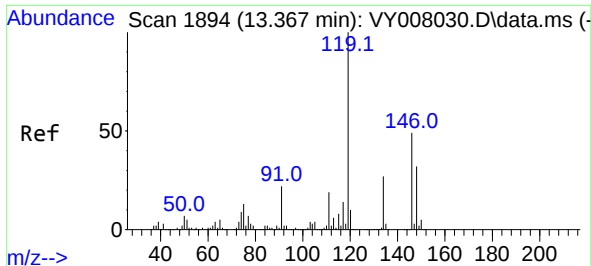
Reviewed By :John Carlone 03/28/2022
 Supervised By :Mahesh Dadoda 03/28/2022



#86
 p-Isopropyltoluene
 Concen: 5.150 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.006 min
 Lab File: VY008039.D
 Acq: 26 Mar 2022 12:32

Tgt Ion:119 Resp: 45466
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.2 39.5
 91 23.6 12.4 37.2





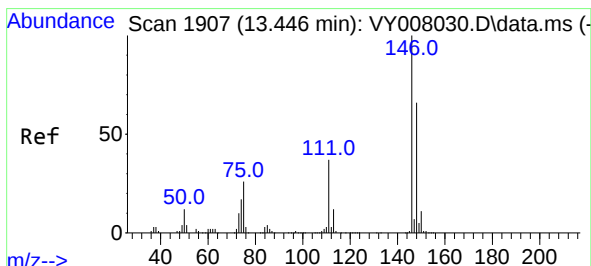
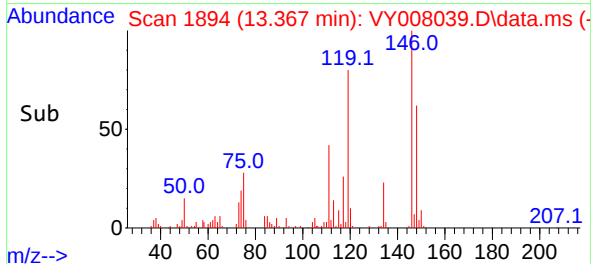
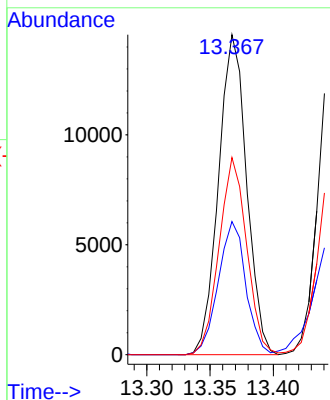
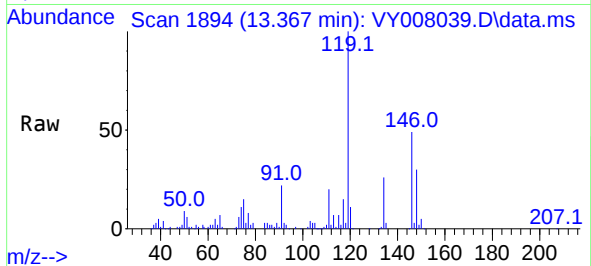
#87
1,3-Dichlorobenzene
Concen: 5.022 ug/l
RT: 13.367 min Scan# 1191
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion:146 Resp: 22494
Ion Ratio Lower Upper
146 100
111 40.8 19.5 58.5
148 60.6 31.6 95.0

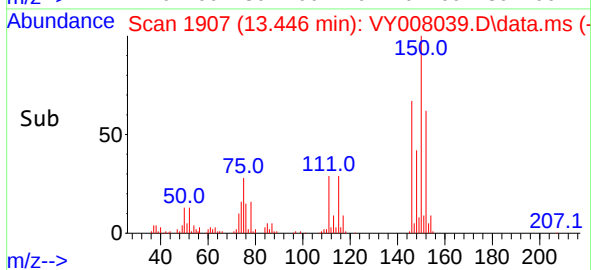
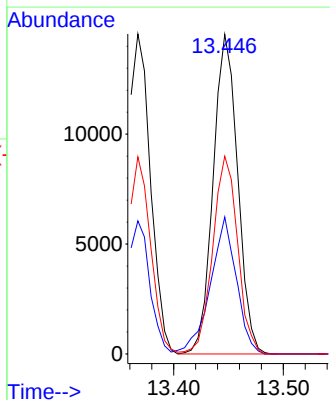
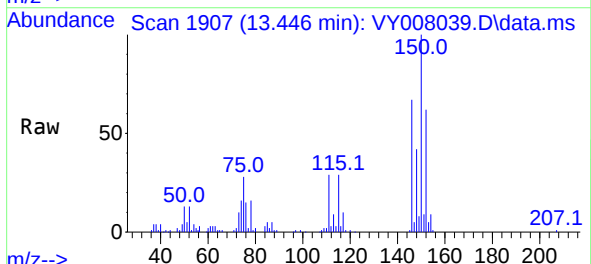
Manual Integrations
APPROVED

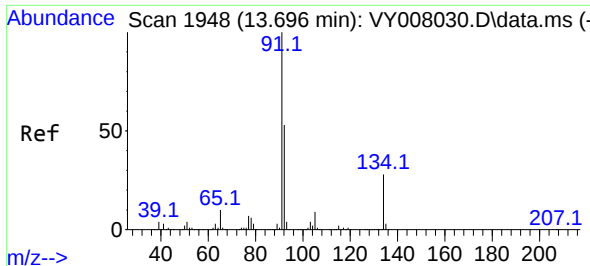
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#88
1,4-Dichlorobenzene
Concen: 5.066 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

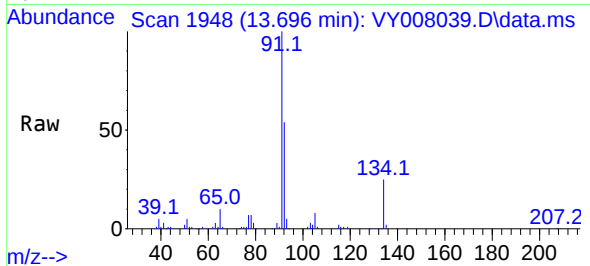
Tgt Ion:146 Resp: 22628
Ion Ratio Lower Upper
146 100
111 45.5 19.3 57.8
148 62.9 32.6 97.8





#89
n-Butylbenzene
Concen: 5.337 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

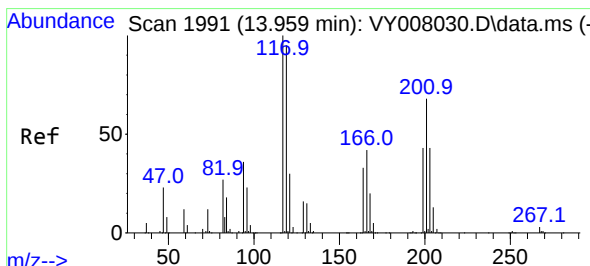
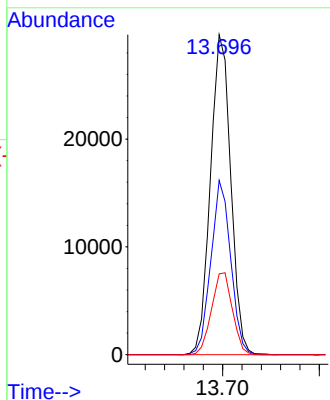
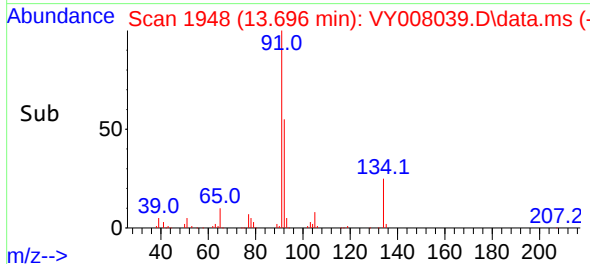
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



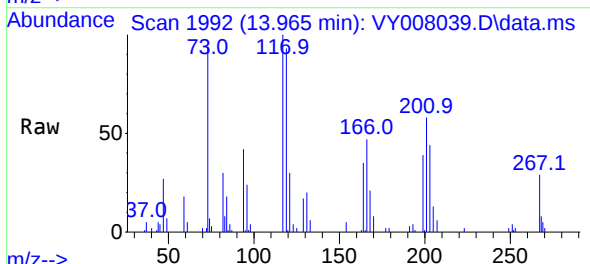
Tgt Ion: 91 Resp: 4335
Ion Ratio Lower Upper
91 100
92 53.0 26.3 78.9
134 26.3 13.0 38.9

Manual Integrations
APPROVED

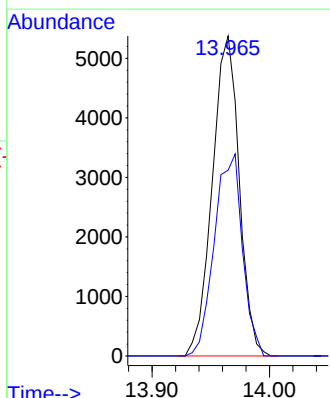
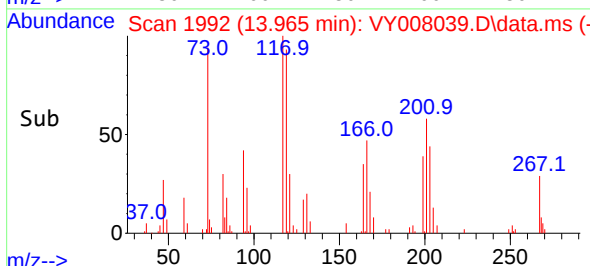
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

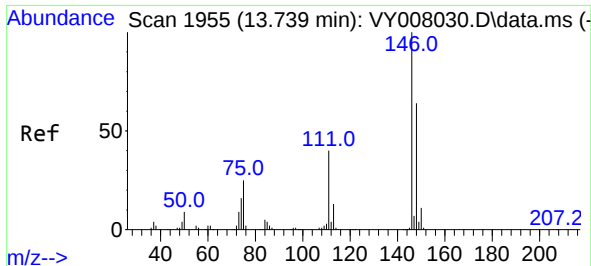


#90
Hexachloroethane
Concen: 5.006 ug/l
RT: 13.965 min Scan# 1992
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32



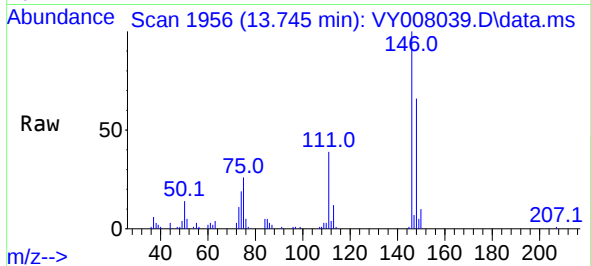
Tgt Ion:117 Resp: 8563
Ion Ratio Lower Upper
117 100
201 65.8 43.0 128.8





#91
1,2-Dichlorobenzene
Concen: 4.889 ug/l
RT: 13.745 min Scan# 1955
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

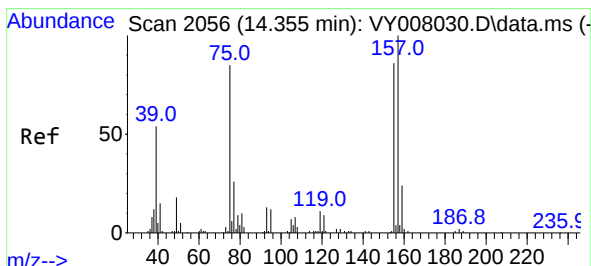
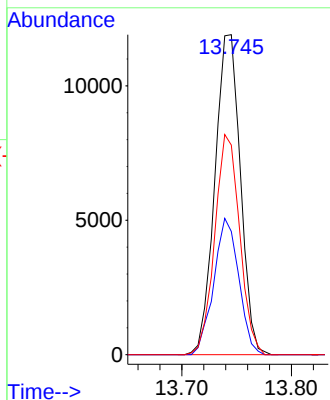
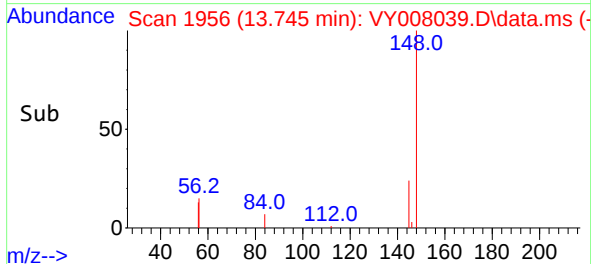
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



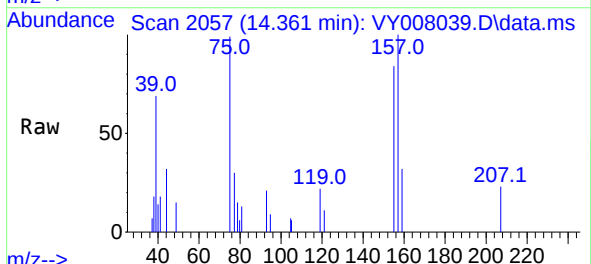
Tgt Ion:146 Resp: 1928
Ion Ratio Lower Upper
146 100
111 41.7 20.3 60.9
148 67.2 32.3 96.9

Manual Integrations
APPROVED

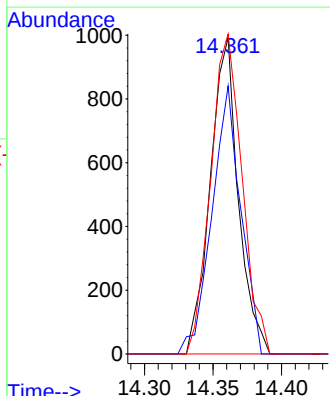
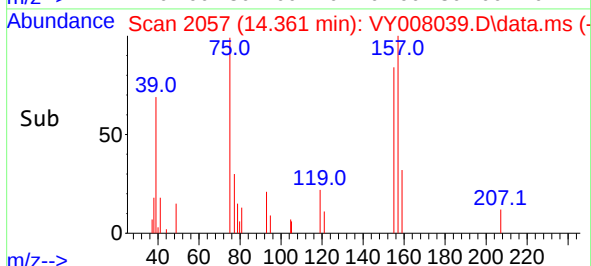
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

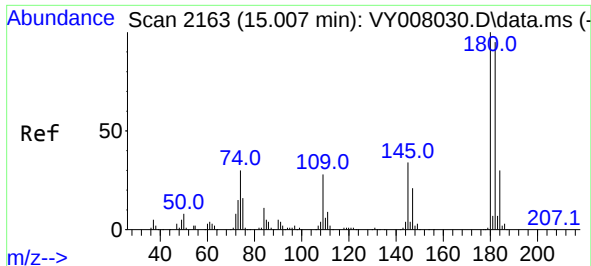


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.629 ug/l
RT: 14.361 min Scan# 2057
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32



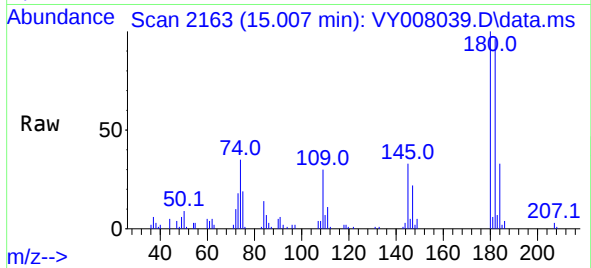
Tgt Ion: 75 Resp: 1414
Ion Ratio Lower Upper
75 100
155 87.0 38.0 113.9
157 113.0 47.8 143.3





#93
1,2,4-Trichlorobenzene
Concen: 4.779 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

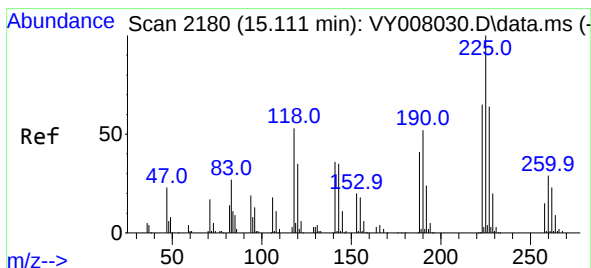
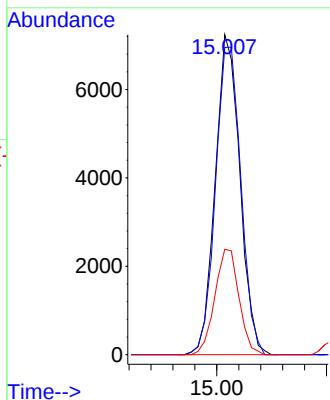
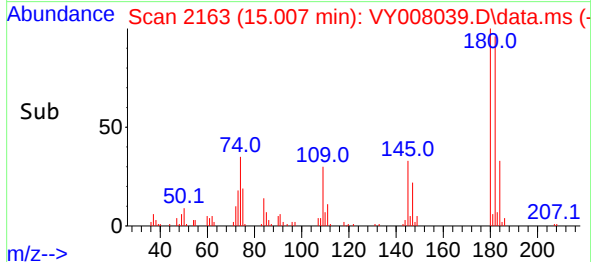
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



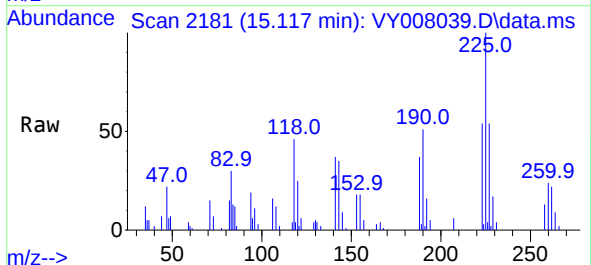
Tgt Ion:180 Resp: 1128
Ion Ratio Lower Upper
180 100
182 99.5 47.3 141.9
145 32.3 14.6 43.8

Manual Integrations
APPROVED

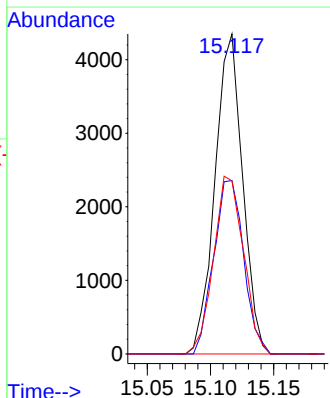
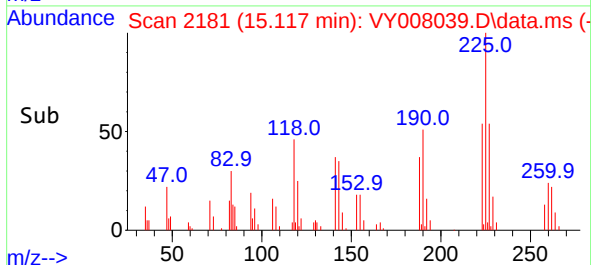
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

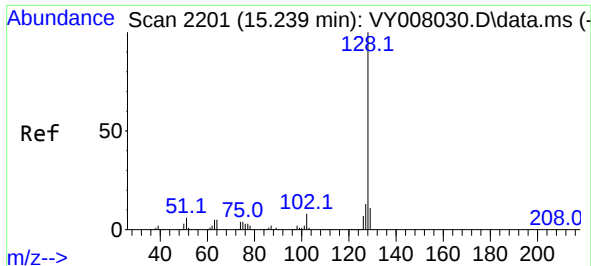


#94
Hexachlorobutadiene
Concen: 5.282 ug/l
RT: 15.117 min Scan# 2181
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32



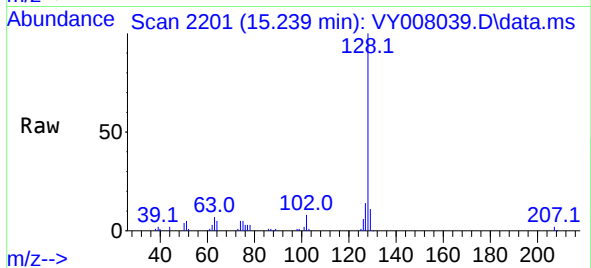
Tgt Ion:225 Resp: 6599
Ion Ratio Lower Upper
225 100
223 59.0 30.8 92.3
227 60.3 31.6 94.7





#95
Naphthalene
Concen: 4.793 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32

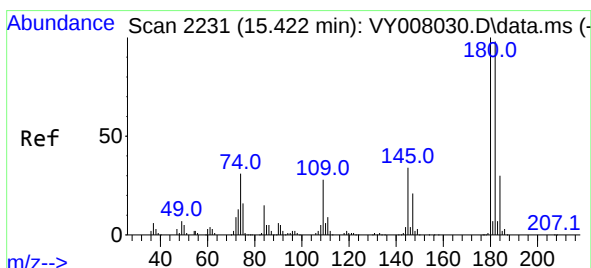
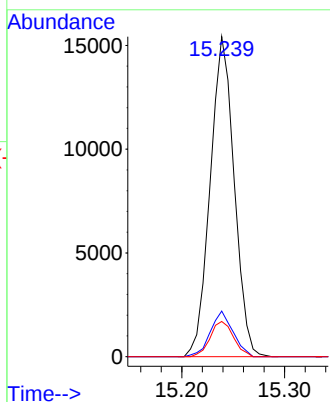
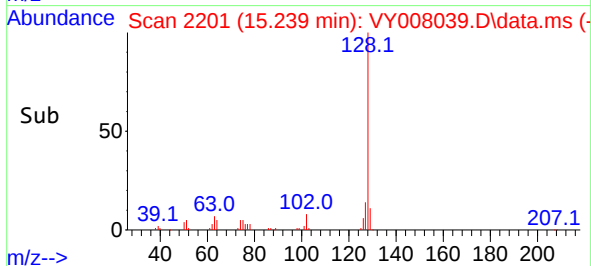
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2022



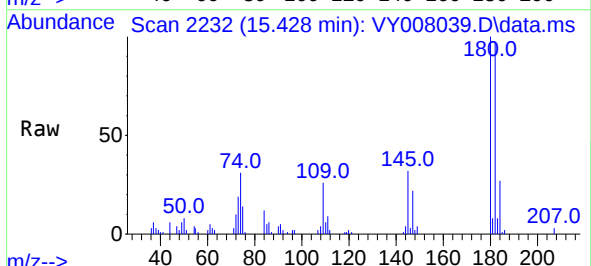
Tgt Ion:128 Resp: 25020
Ion Ratio Lower Upper
128 100
127 13.5 11.0 16.4
129 10.7 8.4 12.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#96
1,2,3-Trichlorobenzene
Concen: 4.921 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY008039.D
Acq: 26 Mar 2022 12:32



Tgt Ion:180 Resp: 10056
Ion Ratio Lower Upper
180 100
182 95.4 47.3 141.9
145 34.4 15.3 45.9

