

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051823\
 Data File : VY013806.D
 Acq On : 18 May 2023 17:39
 Operator : KP/MD
 Sample : 02213-02 5.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

Quant Time: May 19 05:13:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 19 05:13:18 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/19/2023
 Supervised By :Mahesh Dadoda 05/19/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	232796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	371859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	335446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	164696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	145653	53.860	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.720%			
35) Dibromofluoromethane	7.716	113	122262	51.272	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.540%			
50) Toluene-d8	10.179	98	453016	50.111	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.220%			
62) 4-Bromofluorobenzene	12.477	95	147837	49.234	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	9807	5.867	ug/l	99
3) Chloromethane	2.113	50	13788	5.441	ug/l	95
4) Vinyl Chloride	2.247	62	13108	5.180	ug/l	98
5) Bromomethane	2.656	94	12363	5.510	ug/l	92
6) Chloroethane	2.796	64	8790	5.054	ug/l	97
7) Trichlorofluoromethane	3.131	101	22101	6.001	ug/l	93
8) Diethyl Ether	3.521	74	7071	5.738	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	11565	5.366	ug/l	94
10) Methyl Iodide	4.088	142	7957	3.360	ug/l	91
11) Tert butyl alcohol	4.930	59	18519	84.532	ug/l #	73
12) 1,1-Dichloroethene	3.875	96	11208	5.737	ug/l	93
13) Acrolein	3.723	56	8736	22.322	ug/l	96
14) Allyl chloride	4.473	41	19429	5.049	ug/l	96
15) Acrylonitrile	5.168	53	17602	24.358	ug/l	99
16) Acetone	3.954	43	20840	25.542	ug/l	92
17) Carbon Disulfide	4.192	76	33830	6.026	ug/l	95
18) Methyl Acetate	4.485	43	15656	5.504	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	29949	5.053	ug/l	95
20) Methylene Chloride	4.716	84	30260	9.821	ug/l	91
21) trans-1,2-Dichloroethene	5.222	96	11758	5.345	ug/l	92
22) Diisopropyl ether	6.112	45	37368	4.565	ug/l	88
23) Vinyl Acetate	6.058	43	102229	21.581	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	23167	5.177	ug/l	97
25) 2-Butanone	6.990	43	27357	25.793	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	22512	5.890	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	13920	5.370	ug/l	96
28) Bromochloromethane	7.332	49	8473	5.412	ug/l #	90
29) Tetrahydrofuran	7.350	42	14716	23.189	ug/l	97
30) Chloroform	7.509	83	25268	5.603	ug/l	100
31) Cyclohexane	7.783	56	22297	5.751	ug/l #	86
32) 1,1,1-Trichloroethane	7.704	97	21116	5.486	ug/l	98
36) 1,1-Dichloropropene	7.917	75	17187	5.216	ug/l	99
37) Ethyl Acetate	7.076	43	10463	4.617	ug/l	98
38) Carbon Tetrachloride	7.899	117	20616	5.931	ug/l	95
39) Methylcyclohexane	9.179	83	19193	5.125	ug/l	91
40) Benzene	8.155	78	51553	5.384	ug/l	96

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Reviewed By :Krupa Patel 05/19/2023
 Supervised By :Mahesh Dadoda 05/19/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	7338m	6.516	ug/l	
42) 1,2-Dichloroethane	8.234	62	18057	5.837	ug/l	99
43) Isopropyl Acetate	8.271	43	19514	4.744	ug/l	93
44) Trichloroethene	8.941	130	14929	5.965	ug/l	95
45) 1,2-Dichloropropane	9.216	63	13475	5.122	ug/l	98
46) Dibromomethane	9.307	93	7603	5.160	ug/l	93
47) Bromodichloromethane	9.496	83	19359	5.548	ug/l	93
48) Methyl methacrylate	9.295	41	8089	4.281	ug/l	90
49) 1,4-Dioxane	9.307	88	1594	88.141	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	49782	21.732	ug/l	98
52) Toluene	10.246	92	30743	5.296	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	18125	5.038	ug/l	90
54) cis-1,3-Dichloropropene	9.929	75	20516	5.111	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	10734	5.356	ug/l	95
56) Ethyl methacrylate	10.508	69	12399	4.636	ug/l	95
57) 1,3-Dichloropropane	10.788	76	17720	5.139	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	25937	26.768	ug/l	98
59) 2-Hexanone	10.831	43	34818	21.383	ug/l	96
60) Dibromochloromethane	10.984	129	13488	5.554	ug/l	99
61) 1,2-Dibromoethane	11.087	107	10138	5.364	ug/l	93
64) Tetrachloroethene	10.715	164	11818	5.554	ug/l	94
65) Chlorobenzene	11.514	112	34628	5.454	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	13391	5.428	ug/l	100
67) Ethyl Benzene	11.587	91	56049	4.968	ug/l	95
68) m/p-Xylenes	11.697	106	41891	9.913	ug/l	99
69) o-Xylene	12.026	106	19729	4.908	ug/l	98
70) Styrene	12.044	104	33397	4.892	ug/l	99
71) Bromoform	12.209	173	8595	5.274	ug/l #	99
73) Isopropylbenzene	12.325	105	51496	4.619	ug/l	98
74) N-amyl acetate	12.142	43	14478	3.826	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	12766	4.833	ug/l	96
76) 1,2,3-Trichloropropane	12.630	75	11354m	5.696	ug/l	
77) Bromobenzene	12.611	156	14227	5.290	ug/l	97
78) n-propylbenzene	12.666	91	65857	4.795	ug/l	97
79) 2-Chlorotoluene	12.752	91	38764	5.001	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	43730	4.810	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	3928	4.387	ug/l	93
82) 4-Chlorotoluene	12.855	91	39229	4.858	ug/l	97
83) tert-Butylbenzene	13.075	119	38447	4.856	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	42387	4.757	ug/l	98
85) sec-Butylbenzene	13.251	105	55886	4.678	ug/l	99
86) p-Isopropyltoluene	13.367	119	44784	4.643	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	27615	5.274	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	27396	5.203	ug/l	92
89) n-Butylbenzene	13.696	91	43237	4.572	ug/l	98
90) Hexachloroethane	13.959	117	10497	5.150	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	24557	5.267	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2053	4.797	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	12916	4.668	ug/l	99
94) Hexachlorobutadiene	15.111	225	9038	5.258	ug/l	95
95) Naphthalene	15.233	128	22126	4.029	ug/l	98
96) 1,2,3-Trichlorobenzene	15.416	180	11271	4.527	ug/l	97

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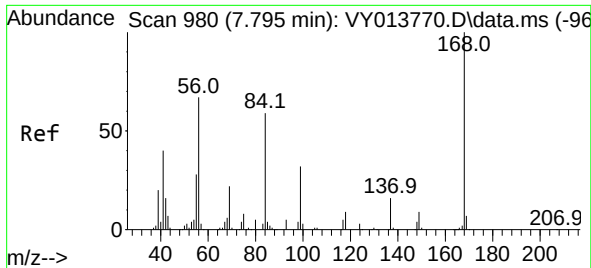
Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 05/19/2023

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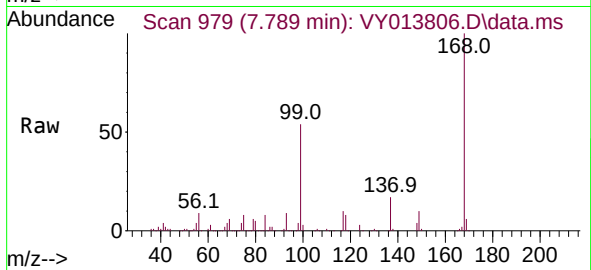
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
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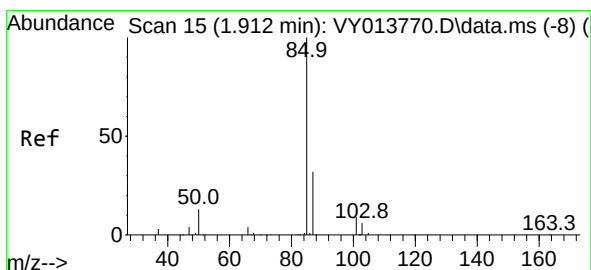
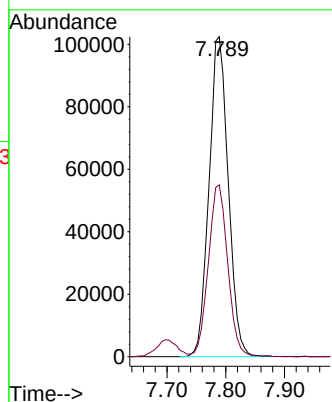
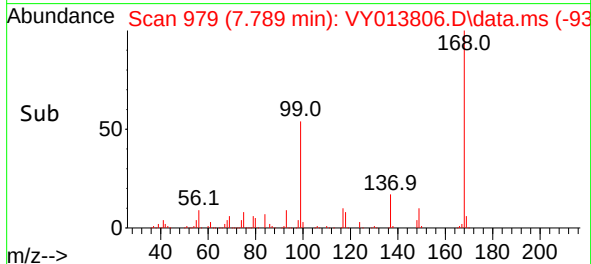
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:168 Resp: 232790
Ion Ratio Lower Upper
168 100
99 53.6 44.0 66.0

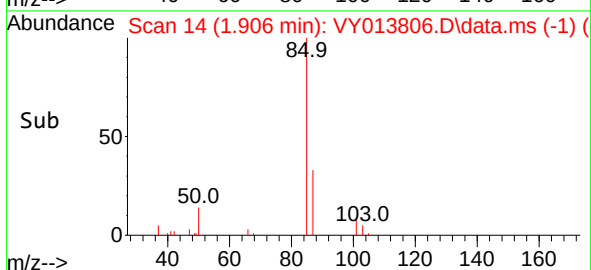
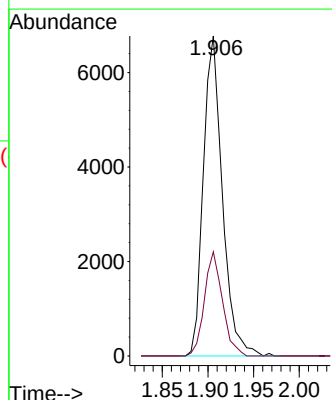
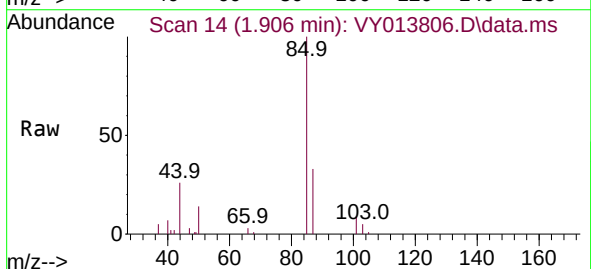
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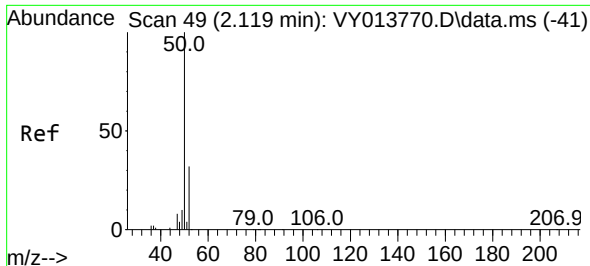
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#2
Dichlorodifluoromethane
Concen: 5.867 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

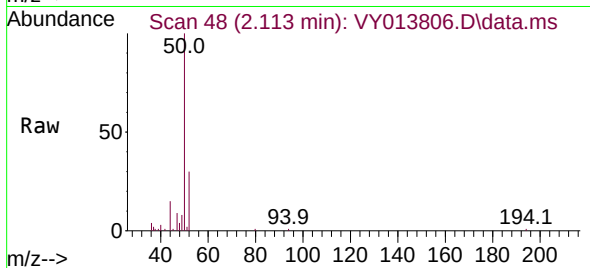
Tgt Ion: 85 Resp: 9807
Ion Ratio Lower Upper
85 100
87 32.6 16.1 48.2





#3
Chloromethane
Concen: 5.441 ug/l
RT: 2.113 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

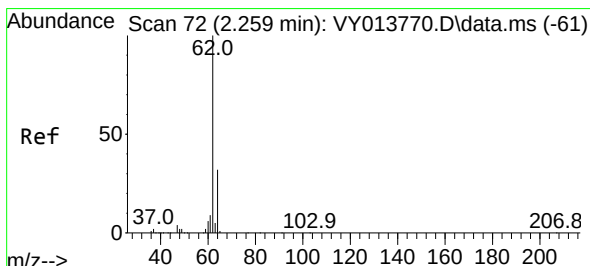
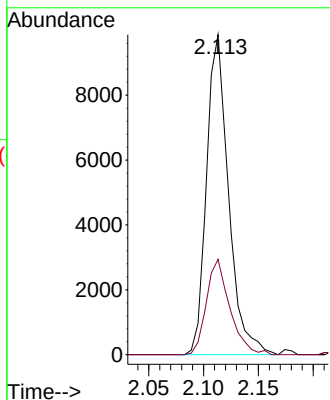
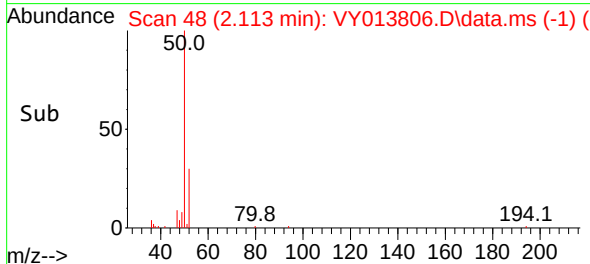
Instrument :
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Tgt Ion: 50 Resp: 1378
Ion Ratio Lower Upper
50 100
52 29.8 26.0 39.0

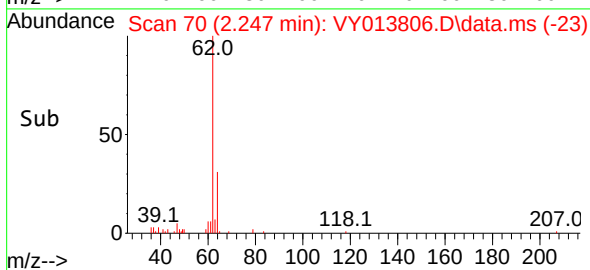
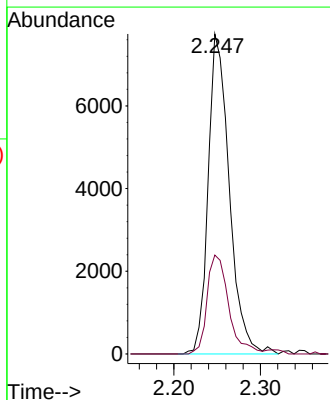
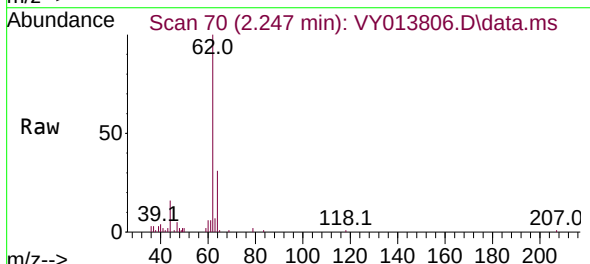
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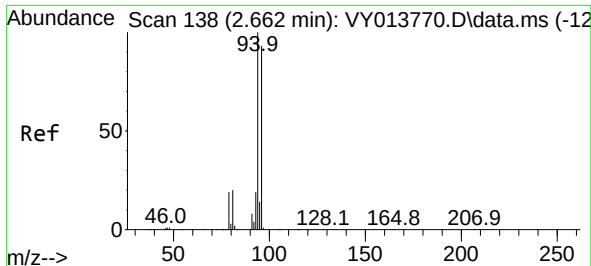
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#4
Vinyl Chloride
Concen: 5.180 ug/l
RT: 2.247 min Scan# 70
Delta R.T. -0.012 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

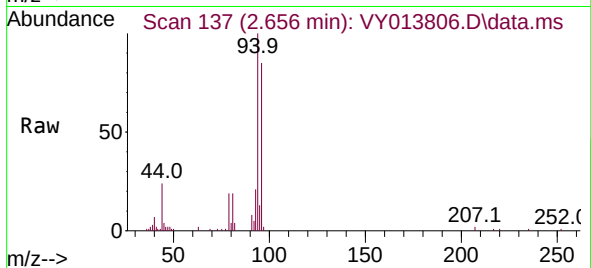
Tgt Ion: 62 Resp: 13108
Ion Ratio Lower Upper
62 100
64 30.9 25.8 38.6





#5
Bromomethane
Concen: 5.510 ug/l
RT: 2.656 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

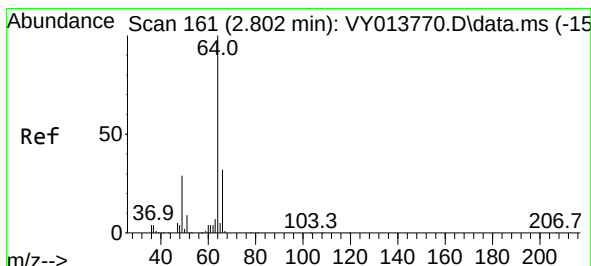
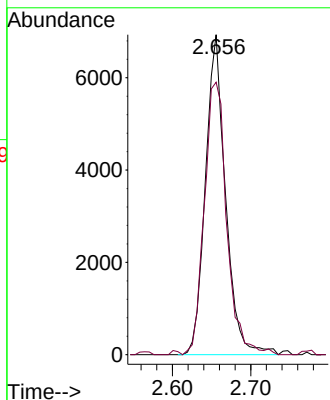
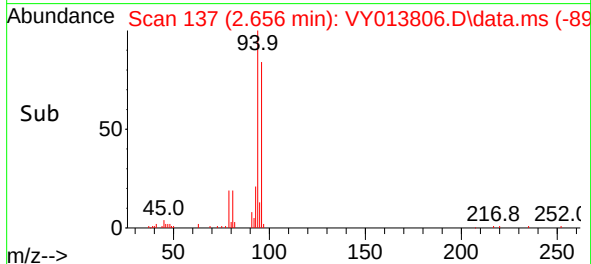
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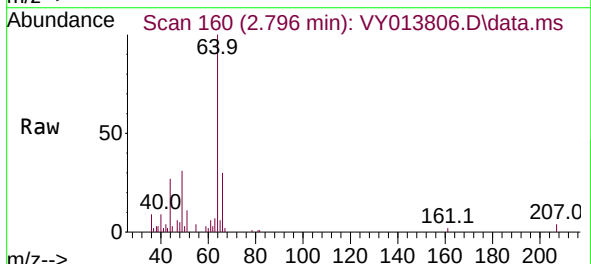
Tgt Ion: 94 Resp: 1236
Ion Ratio Lower Upper
94 100
96 85.2 74.2 111.4

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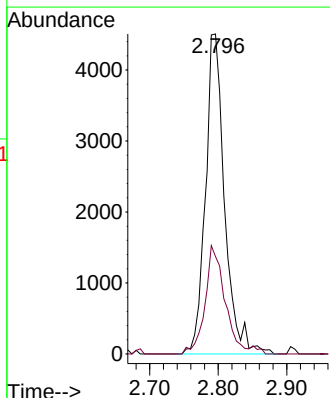
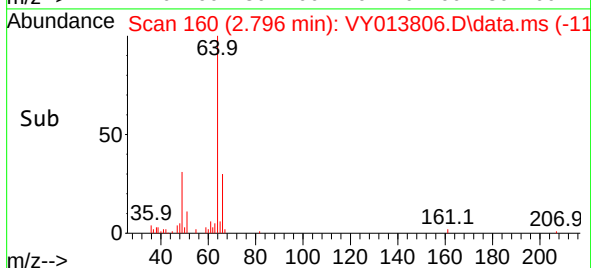
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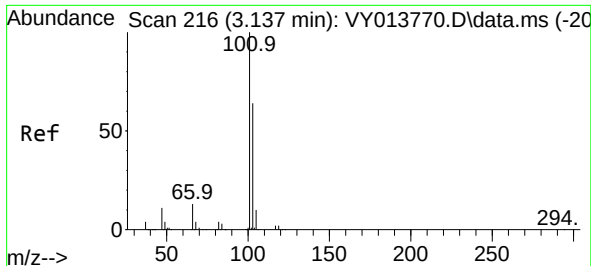


#6
Chloroethane
Concen: 5.054 ug/l
RT: 2.796 min Scan# 160
Delta R.T. -0.006 min
Lab File: VY013806.D
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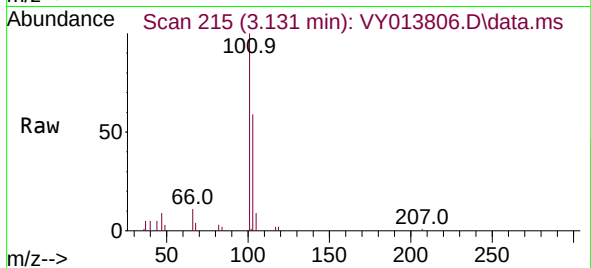
Tgt Ion: 64 Resp: 8790
Ion Ratio Lower Upper
64 100
66 30.4 25.8 38.6





#7
Trichlorofluoromethane
Concen: 6.001 ug/l
RT: 3.131 min Scan# 216
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

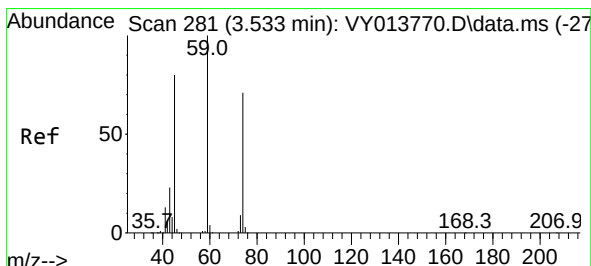
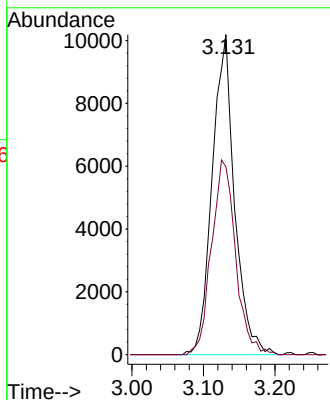
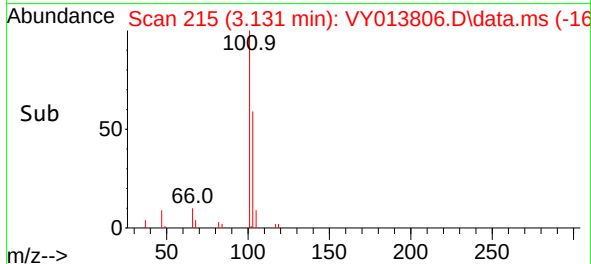
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2023



Tgt Ion:101 Resp: 2210
Ion Ratio Lower Upper
101 100
103 58.7 51.4 77.0

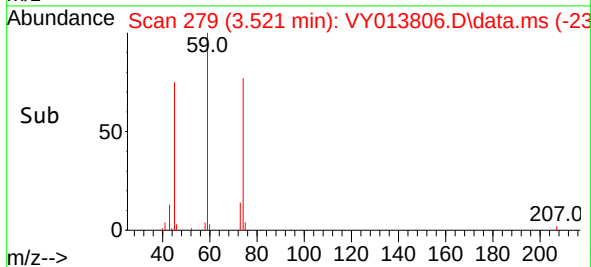
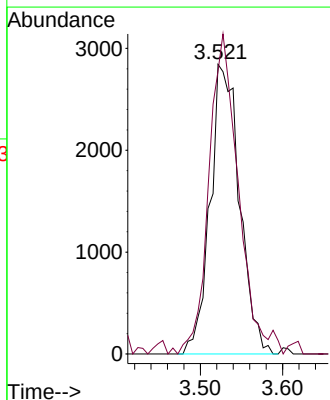
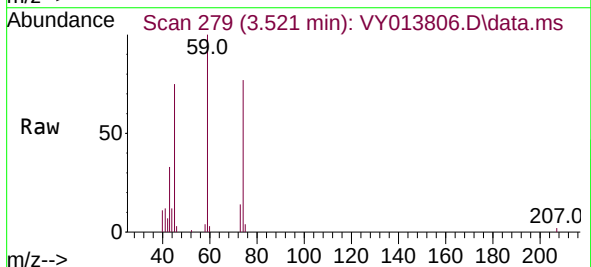
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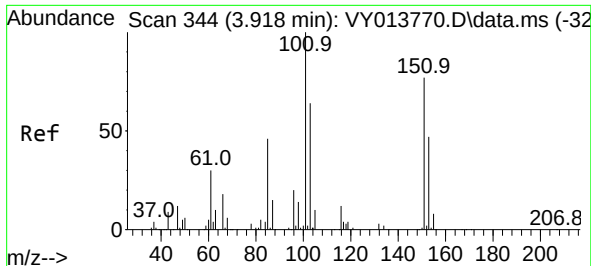
Reviewed By :Krupa Patel 05/19/2023
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#8
Diethyl Ether
Concen: 5.738 ug/l
RT: 3.521 min Scan# 279
Delta R.T. -0.012 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 74 Resp: 7071
Ion Ratio Lower Upper
74 100
45 110.9 56.1 168.3





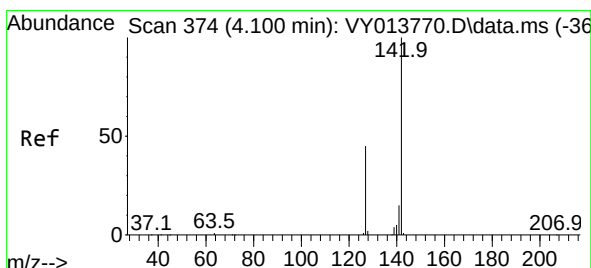
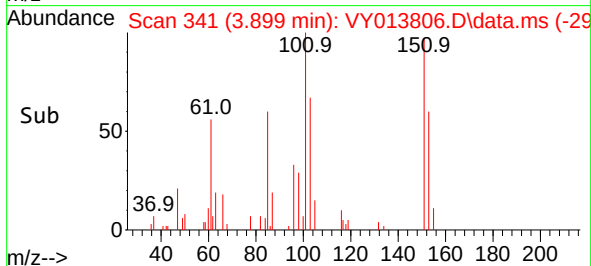
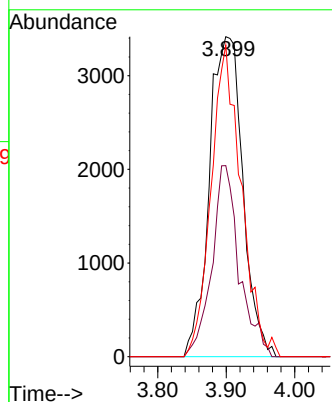
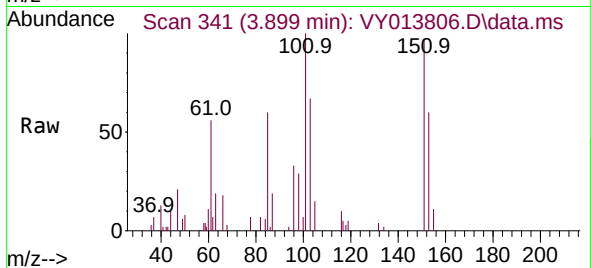
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.366 ug/l
RT: 3.899 min Scan# 341
Delta R.T. -0.018 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:101 Resp: 1156
Ion Ratio Lower Upper
101 100
85 49.0 37.8 56.8
151 87.9 64.2 96.2

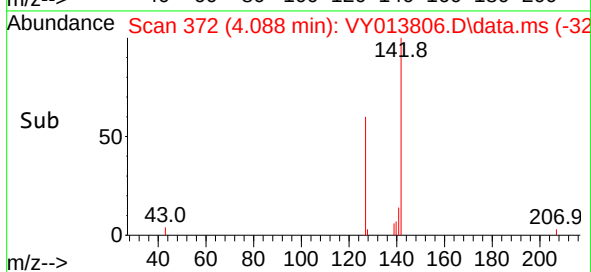
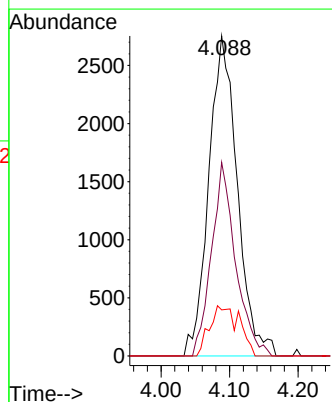
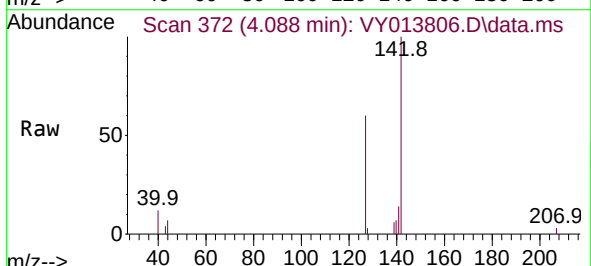
Manual Integrations
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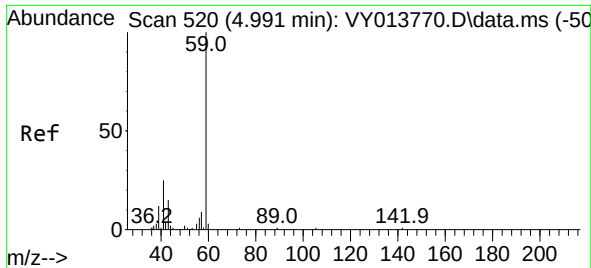
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#10
Methyl Iodide
Concen: 3.360 ug/l
RT: 4.088 min Scan# 372
Delta R.T. -0.012 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

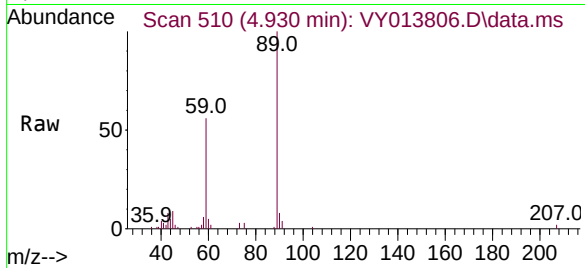
Tgt Ion:142 Resp: 7957
Ion Ratio Lower Upper
142 100
127 51.4 35.4 53.2
141 16.3 11.5 17.3





#11
Tert butyl alcohol
Concen: 84.532 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.061 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

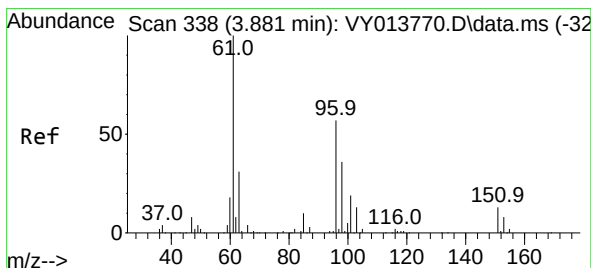
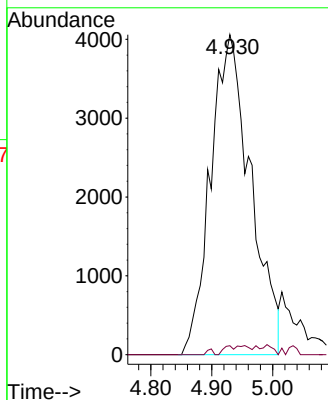
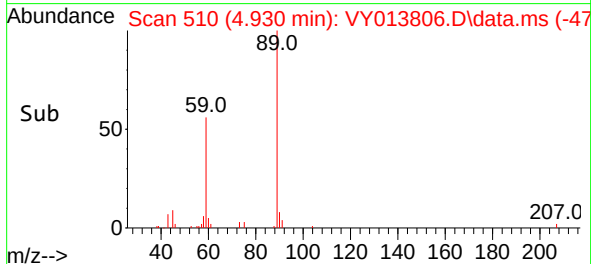
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2023



Tgt Ion: 59 Resp: 18519
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0

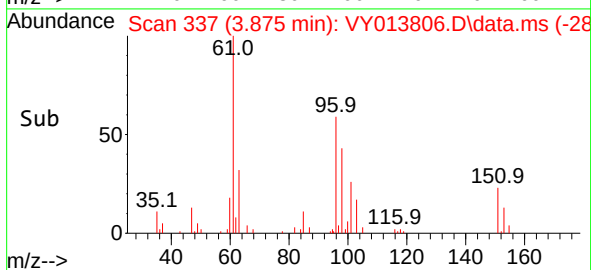
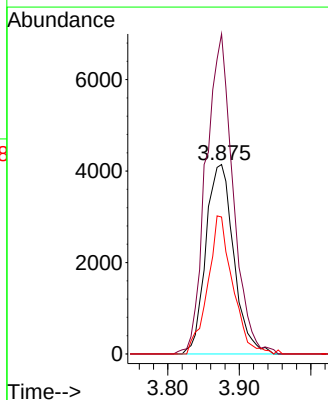
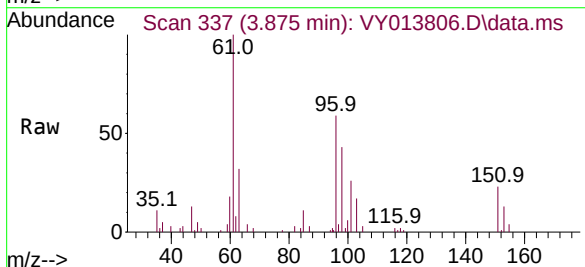
Manual Integrations
APPROVED

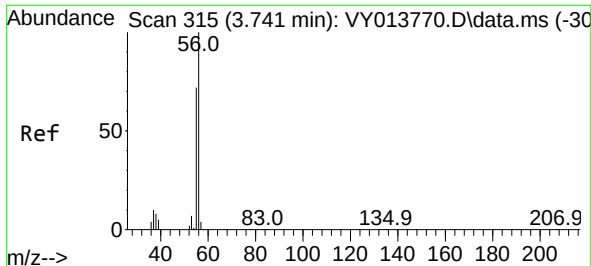
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#12
1,1-Dichloroethene
Concen: 5.737 ug/l
RT: 3.875 min Scan# 337
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 96 Resp: 11208
Ion Ratio Lower Upper
96 100
61 168.9 139.8 209.6
98 72.2 49.7 74.5





#13

Acrolein

Concen: 22.322 ug/l

RT: 3.723 min Scan# 312

Delta R.T. -0.018 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2023

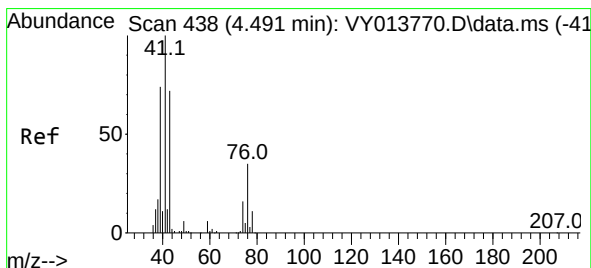
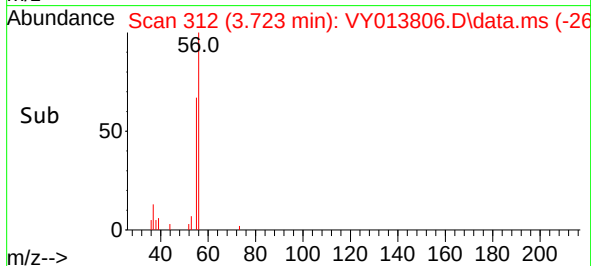
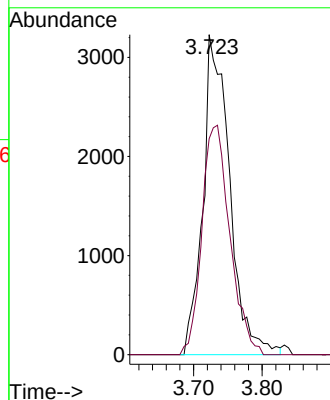
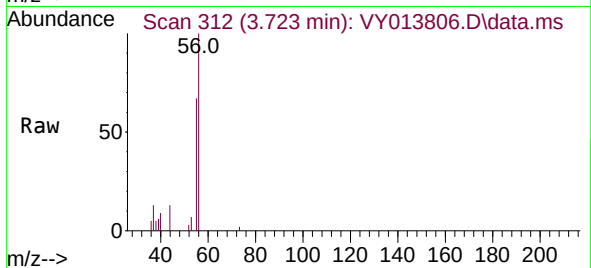
Tgt Ion: 56 Resp: 8730
 Ion Ratio Lower Upper
 56 100
 55 75.4 57.5 86.3

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#14

Allyl chloride

Concen: 5.049 ug/l

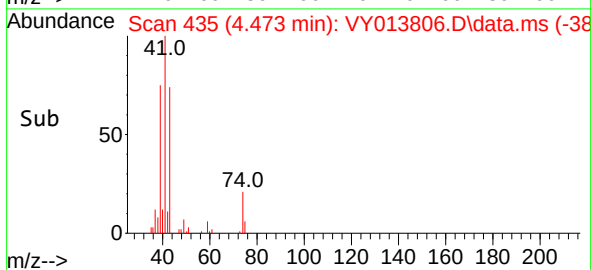
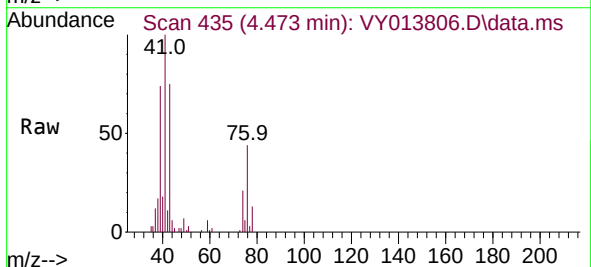
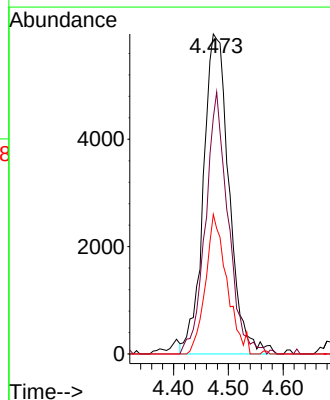
RT: 4.473 min Scan# 435

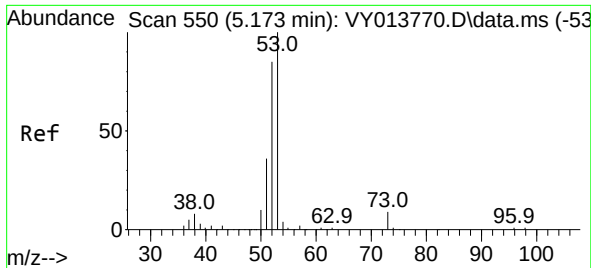
Delta R.T. -0.018 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

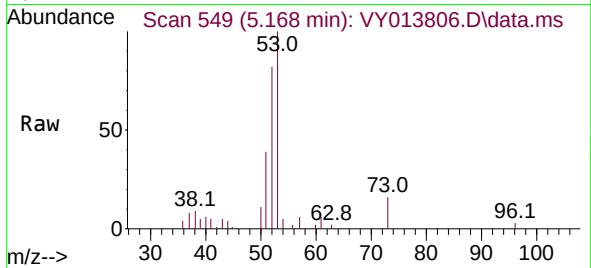
Tgt Ion: 41 Resp: 19429
 Ion Ratio Lower Upper
 41 100
 39 71.9 55.8 83.6
 76 36.1 26.2 39.2





#15
Acrylonitrile
Concen: 24.358 ug/l
RT: 5.168 min Scan# 549
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

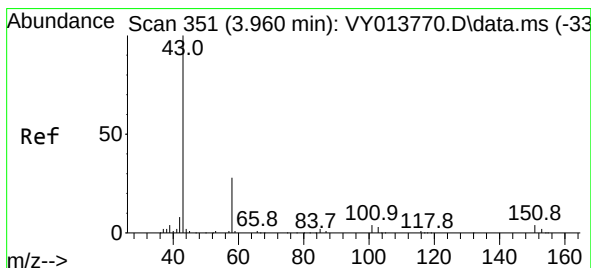
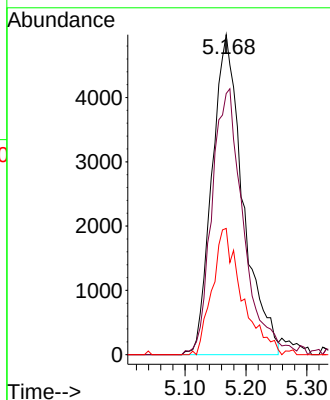
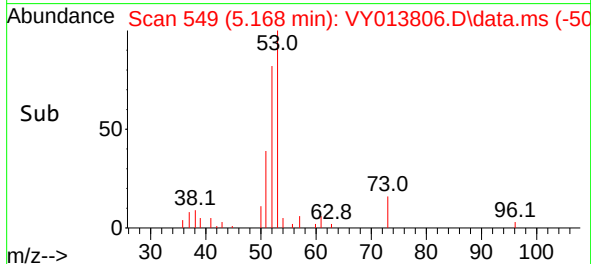
Instrument : MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 53 Resp: 17602
Ion Ratio Lower Upper
53 100
52 84.4 66.5 99.7
51 37.9 30.1 45.1

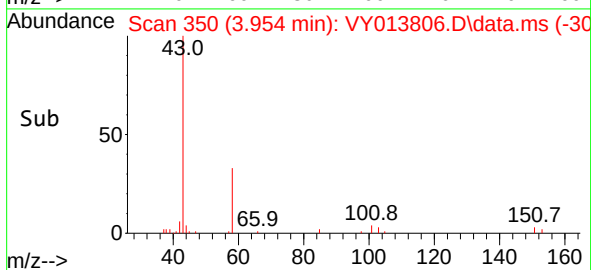
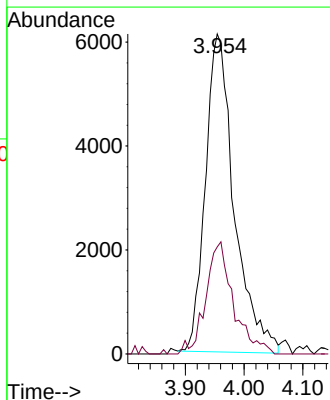
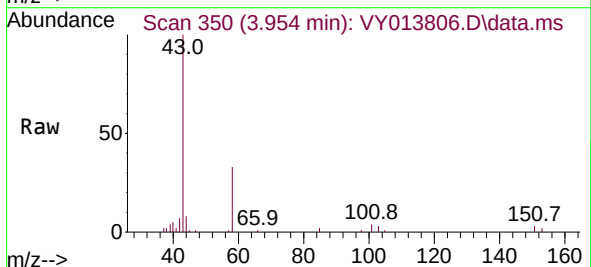
Manual Integrations
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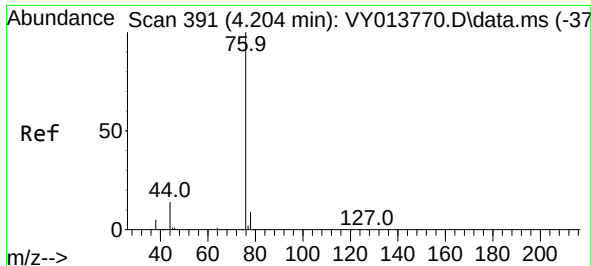
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#16
Acetone
Concen: 25.542 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

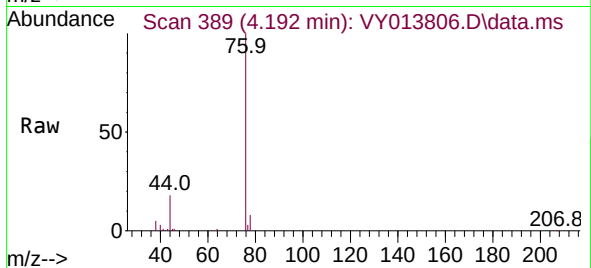
Tgt Ion: 43 Resp: 20840
Ion Ratio Lower Upper
43 100
58 33.7 23.7 35.5





#17
Carbon Disulfide
Concen: 6.026 ug/l
RT: 4.192 min Scan# 389
Delta R.T. -0.012 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

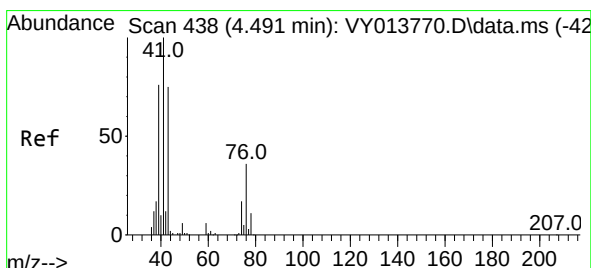
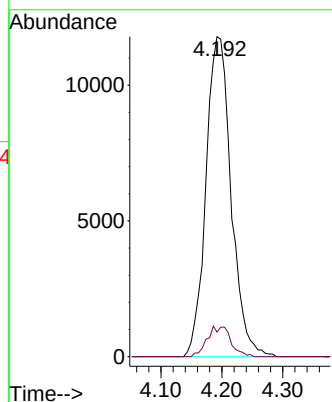
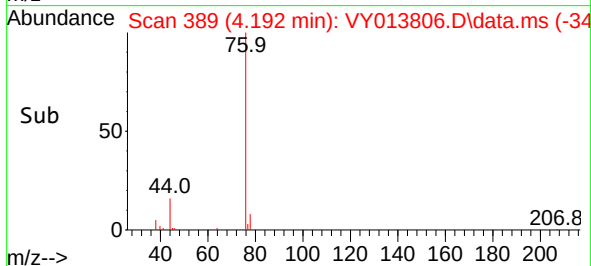
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 76 Resp: 33830
Ion Ratio Lower Upper
76 100
78 7.7 7.5 11.3

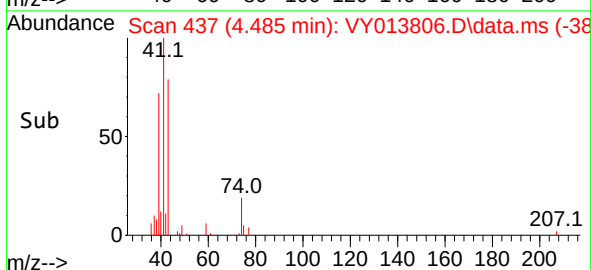
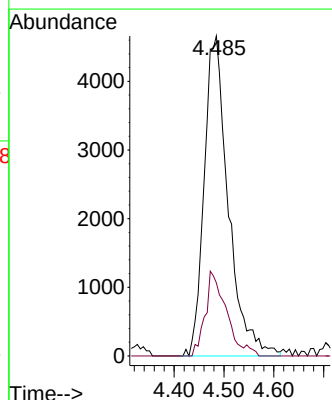
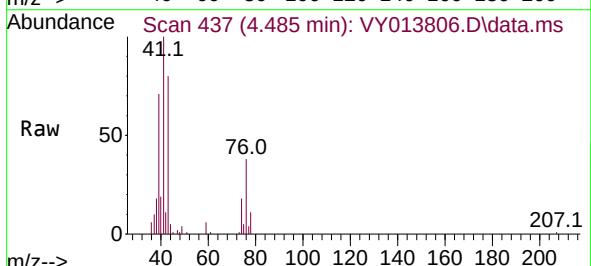
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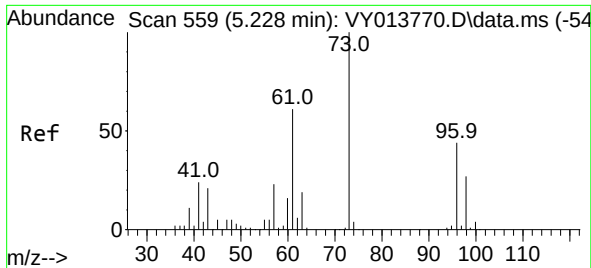
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#18
Methyl Acetate
Concen: 5.504 ug/l
RT: 4.485 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

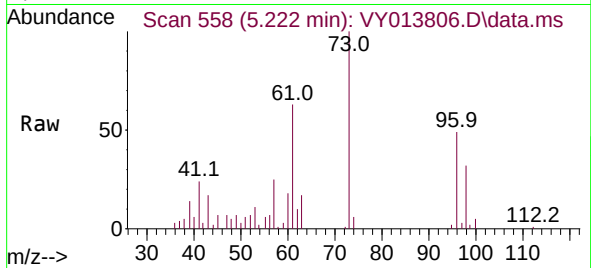
Tgt Ion: 43 Resp: 15656
Ion Ratio Lower Upper
43 100
74 23.2 16.6 25.0





#19
Methyl tert-butyl Ether
Concen: 5.053 ug/l
RT: 5.222 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

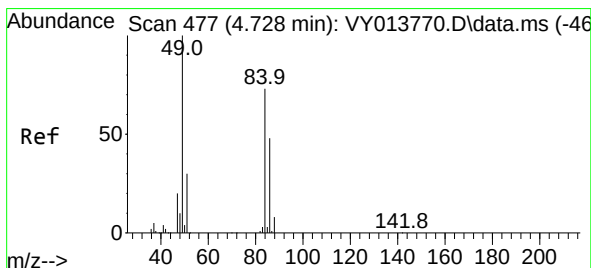
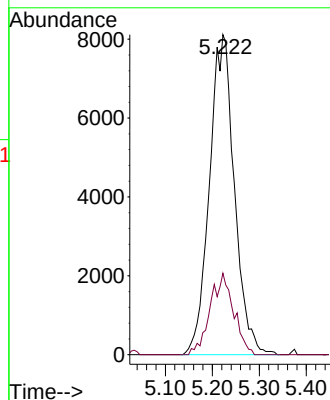
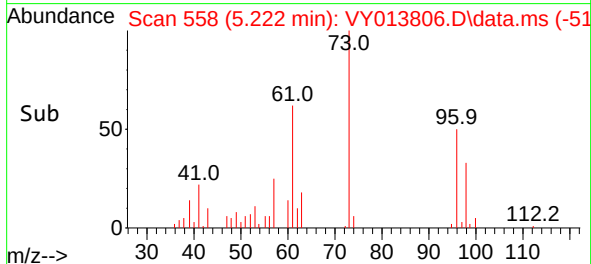
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 73 Resp: 29949
Ion Ratio Lower Upper
73 100
57 25.4 18.6 27.8

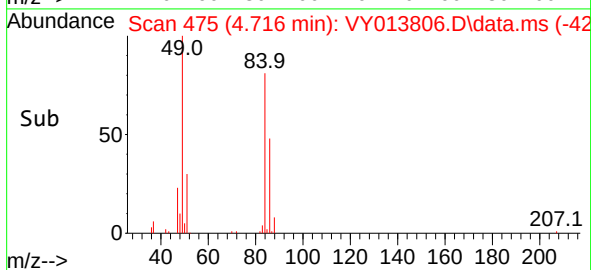
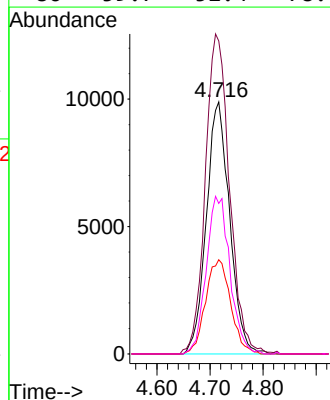
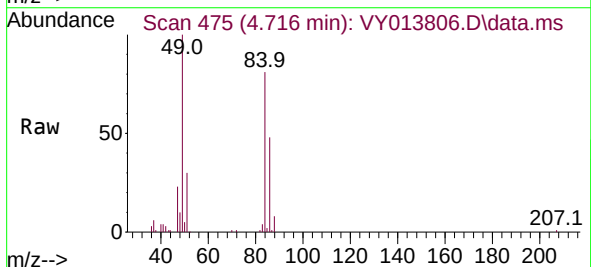
Manual Integrations
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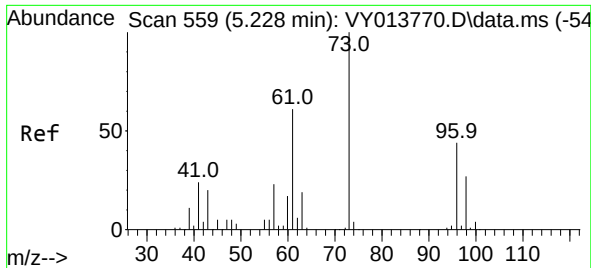
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#20
Methylene Chloride
Concen: 9.821 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

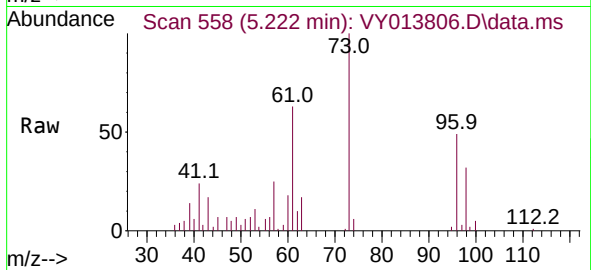
Tgt Ion: 84 Resp: 30260
Ion Ratio Lower Upper
84 100
49 124.2 109.4 164.0
51 37.4 32.8 49.2
86 59.7 52.4 78.6





#21
trans-1,2-Dichloroethene
Concen: 5.345 ug/l
RT: 5.222 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

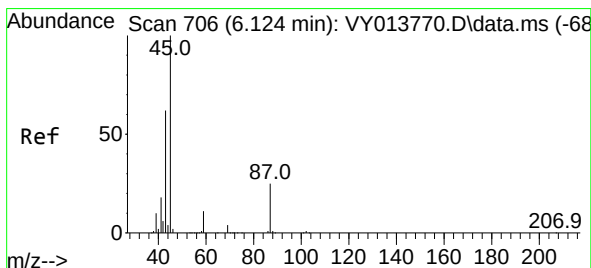
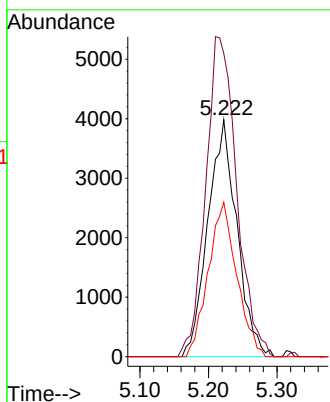
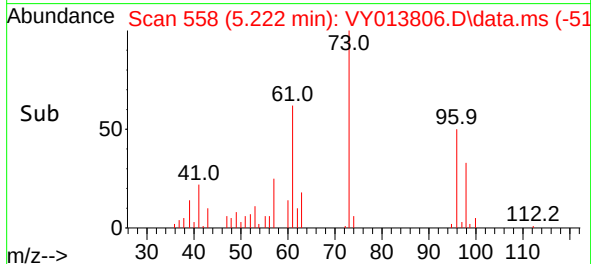
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 96 Resp: 11758
Ion Ratio Lower Upper
96 100
61 127.9 110.8 166.2
98 65.2 48.6 72.8

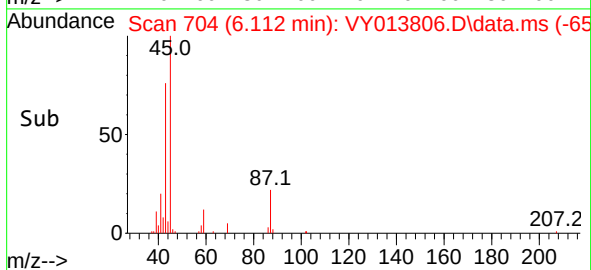
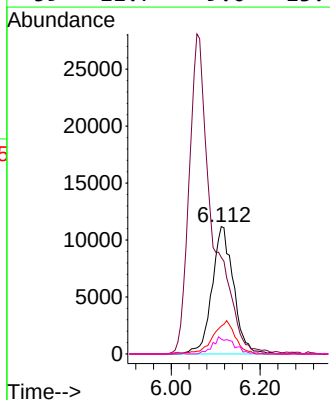
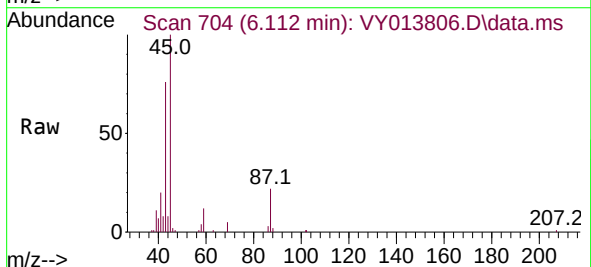
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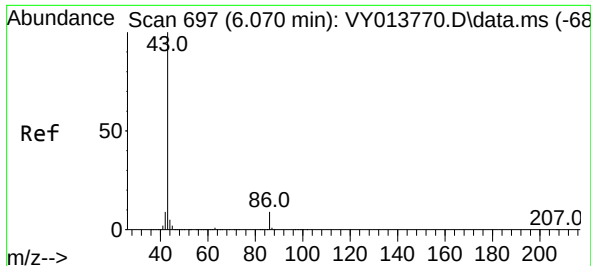
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#22
Diisopropyl ether
Concen: 4.565 ug/l
RT: 6.112 min Scan# 704
Delta R.T. -0.012 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

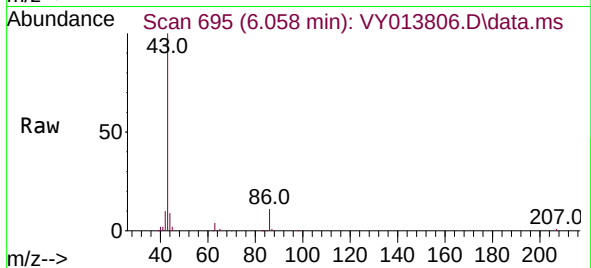
Tgt Ion: 45 Resp: 37368
Ion Ratio Lower Upper
45 100
43 74.1 49.7 74.5
87 21.9 19.9 29.9
59 11.7 9.0 13.4





#23
 Vinyl Acetate
 Concen: 21.581 ug/l
 RT: 6.058 min Scan# 695
 Delta R.T. -0.012 min
 Lab File: VY013806.D
 Acq: 18 May 2023 17:39

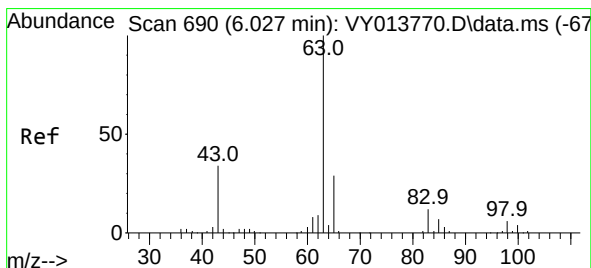
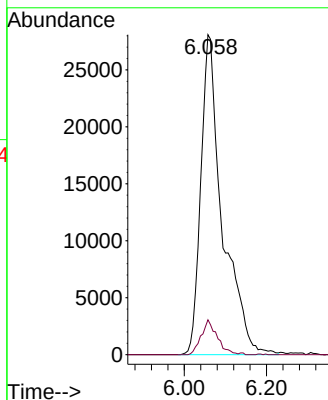
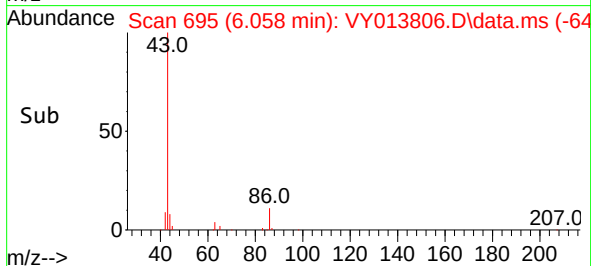
Instrument : MSVOA_Y
 ClientSampleId : LOQ-SOIL-02-QT2-2023



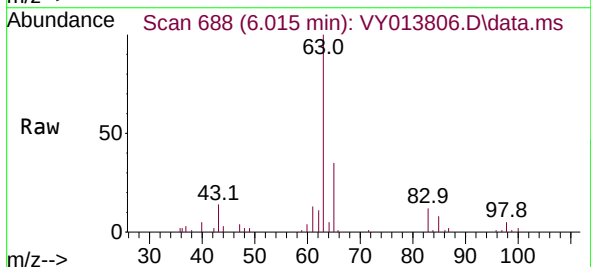
Tgt Ion: 43 Resp: 102229
 Ion Ratio Lower Upper
 43 100
 86 10.9 7.0 10.4

Manual Integrations
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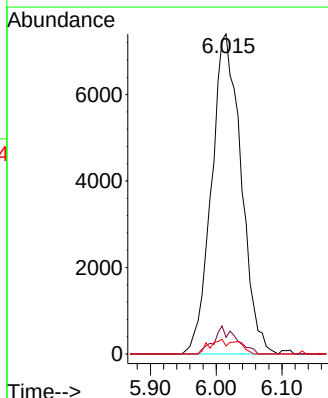
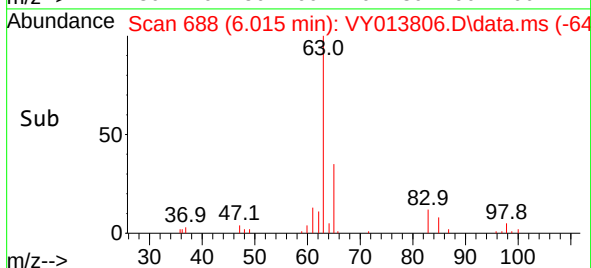
Reviewed By :Krupa Patel 05/19/2023
 Supervised By :Mahesh Dadoda 05/19/2023

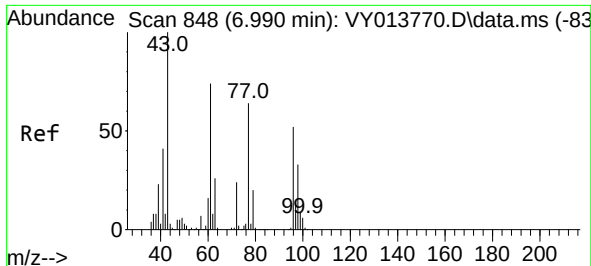


#24
 1,1-Dichloroethane
 Concen: 5.177 ug/l
 RT: 6.015 min Scan# 688
 Delta R.T. -0.012 min
 Lab File: VY013806.D
 Acq: 18 May 2023 17:39



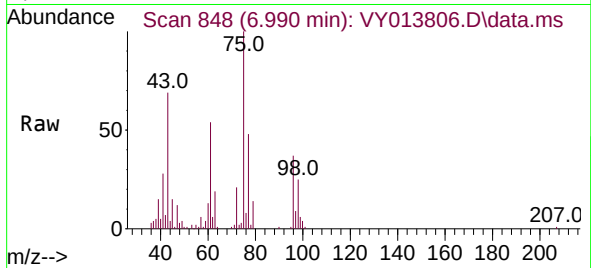
Tgt Ion: 63 Resp: 23167
 Ion Ratio Lower Upper
 63 100
 98 5.2 3.0 9.0
 100 2.5 2.0 6.0





#25
2-Butanone
Concen: 25.793 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

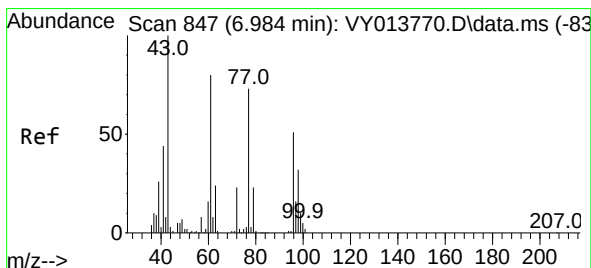
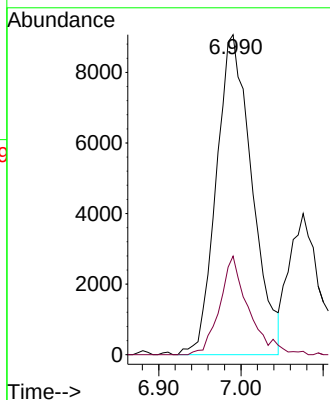
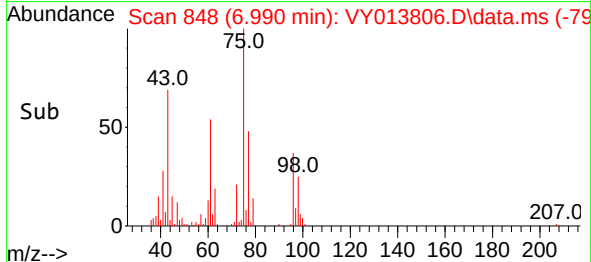
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 43 Resp: 2735
Ion Ratio Lower Upper
43 100
72 30.8 19.0 28.6

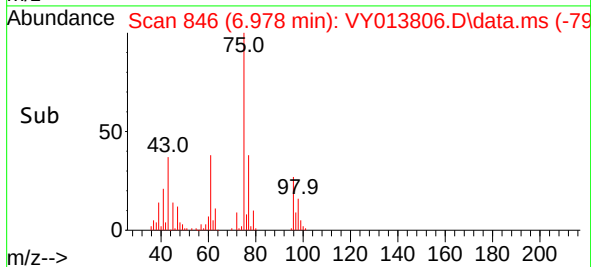
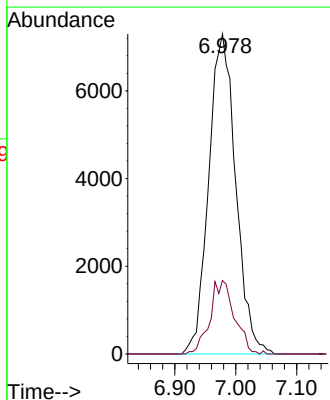
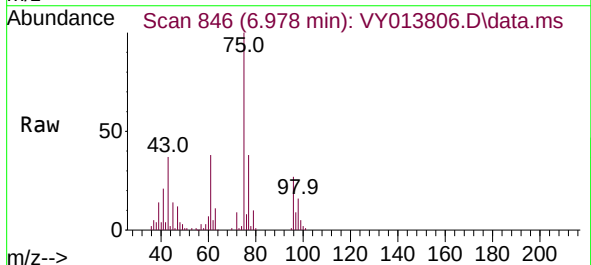
Manual Integrations
APPROVED

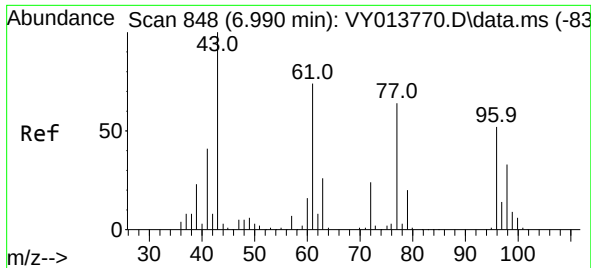
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#26
2,2-Dichloropropane
Concen: 5.890 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

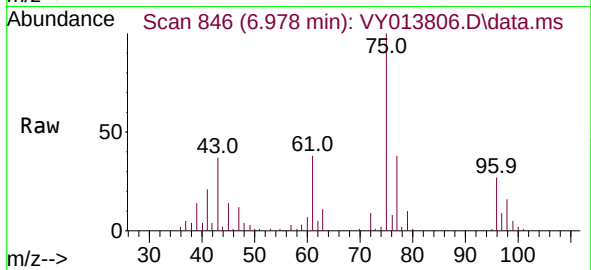
Tgt Ion: 77 Resp: 22512
Ion Ratio Lower Upper
77 100
97 20.8 11.3 33.8





#27
 cis-1,2-Dichloroethene
 Concen: 5.370 ug/l
 RT: 6.978 min Scan# 846
 Delta R.T. -0.012 min
 Lab File: VY013806.D
 Acq: 18 May 2023 17:39

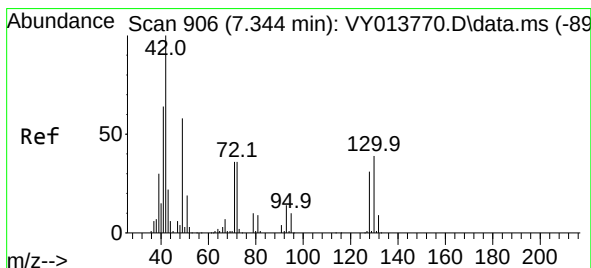
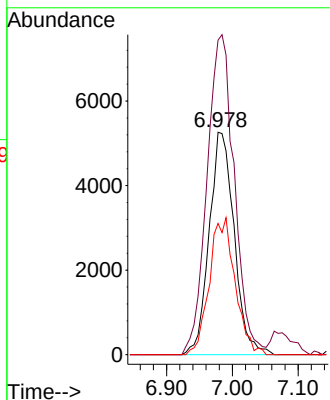
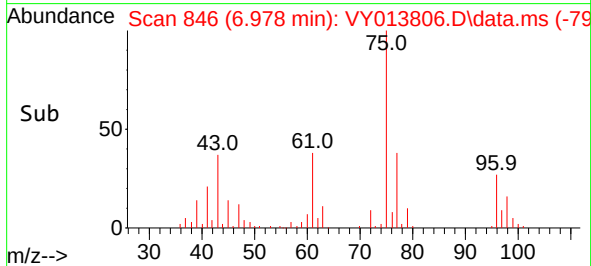
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023



Tgt Ion: 96 Resp: 13920
 Ion Ratio Lower Upper
 96 100
 61 157.2 0.0 300.6
 98 63.6 0.0 127.8

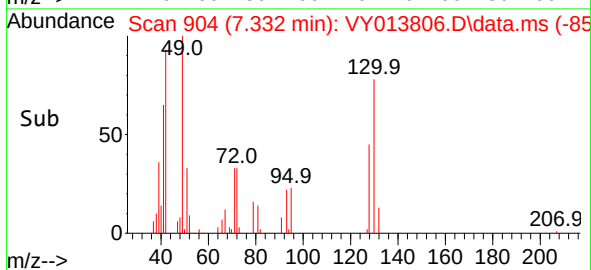
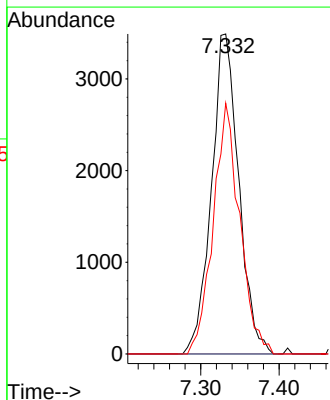
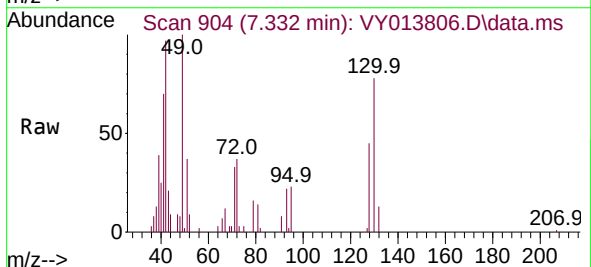
Manual Integrations
 APPROVED

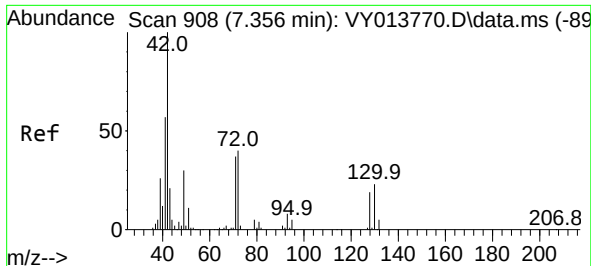
Reviewed By :Krupa Patel 05/19/2023
 Supervised By :Mahesh Dadoda 05/19/2023



#28
 Bromochloromethane
 Concen: 5.412 ug/l
 RT: 7.332 min Scan# 904
 Delta R.T. -0.012 min
 Lab File: VY013806.D
 Acq: 18 May 2023 17:39

Tgt Ion: 49 Resp: 8473
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.2
 130 76.0 54.4 81.6





#29

Tetrahydrofuran

Concen: 23.189 ug/l

RT: 7.350 min Scan# 908

Delta R.T. -0.006 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2023

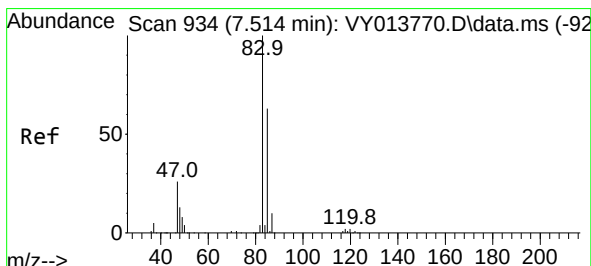
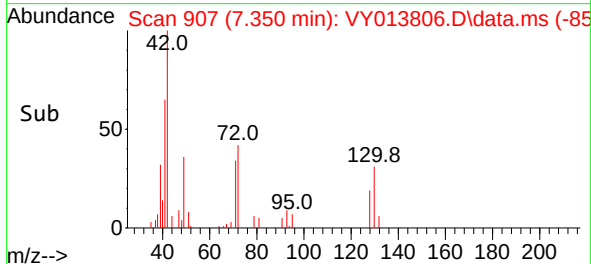
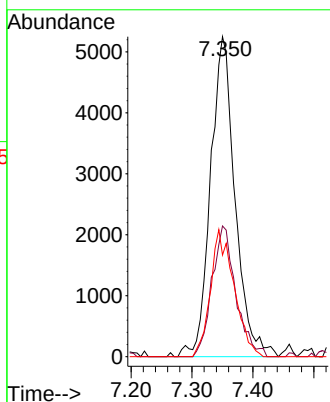
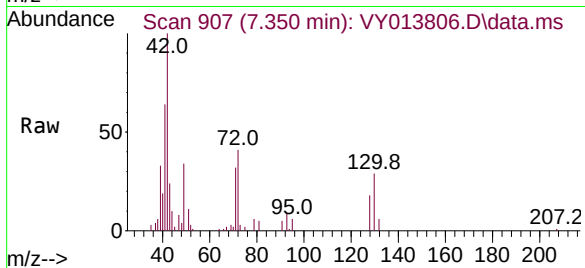
Tgt Ion:	42	Resp:	14710
Ion Ratio	Lower	Upper	
42	100		
72	39.6	30.7	46.1
71	38.1	29.0	43.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#30

Chloroform

Concen: 5.603 ug/l

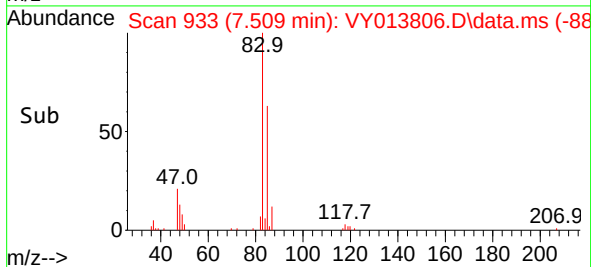
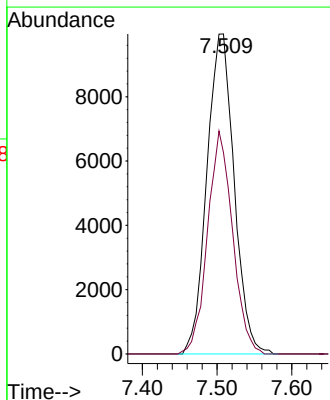
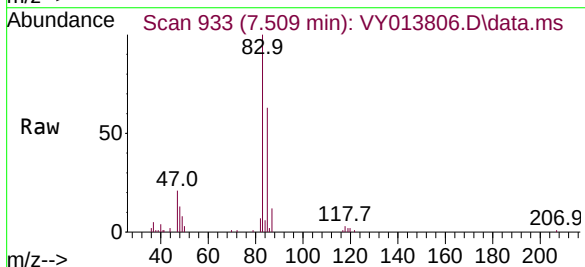
RT: 7.509 min Scan# 933

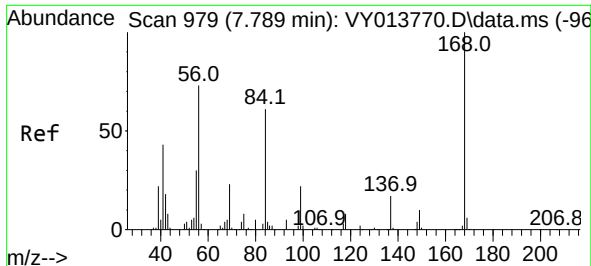
Delta R.T. -0.006 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

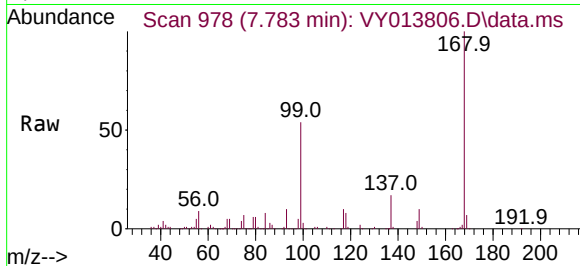
Tgt Ion:	83	Resp:	25268
Ion Ratio	Lower	Upper	
83	100		
85	62.9	50.5	75.7





#31
Cyclohexane
Concen: 5.751 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

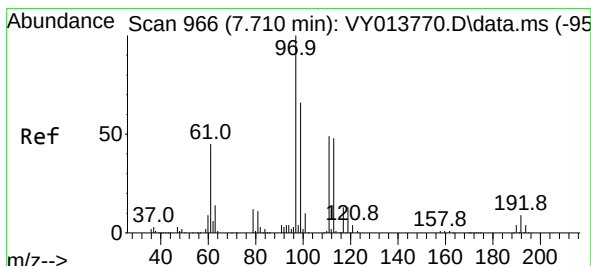
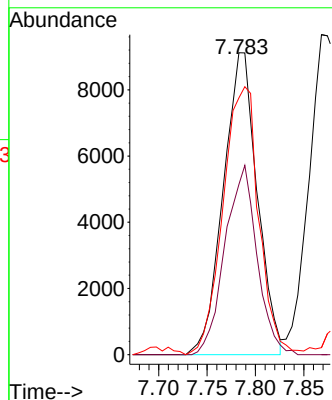
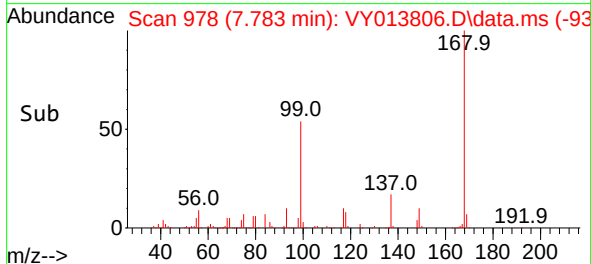
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 56 Resp: 2229
Ion Ratio Lower Upper
56 100
69 56.4 25.8 38.6
84 83.9 65.8 98.6

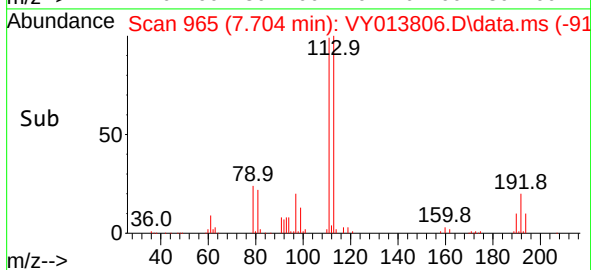
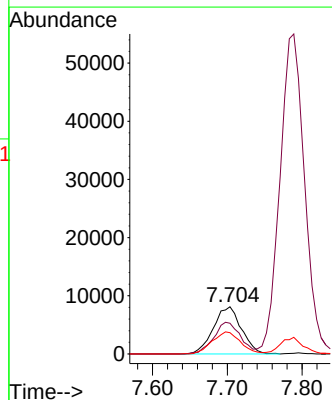
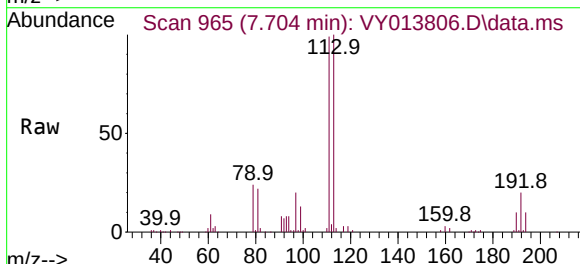
Manual Integrations
APPROVED

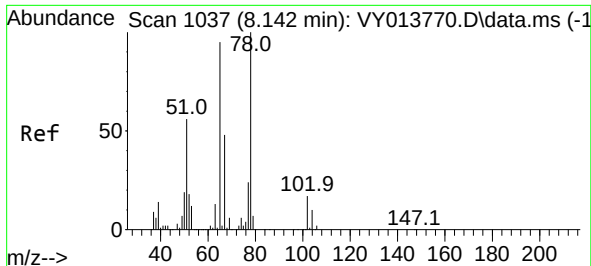
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#32
1,1,1-Trichloroethane
Concen: 5.486 ug/l
RT: 7.704 min Scan# 965
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 97 Resp: 21116
Ion Ratio Lower Upper
97 100
99 63.8 51.7 77.5
61 47.4 36.6 54.8





#33

1,2-Dichloroethane-d4

Concen: 53.860 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2023

Tgt Ion: 65 Resp: 14565

Ion Ratio Lower Upper

65 100

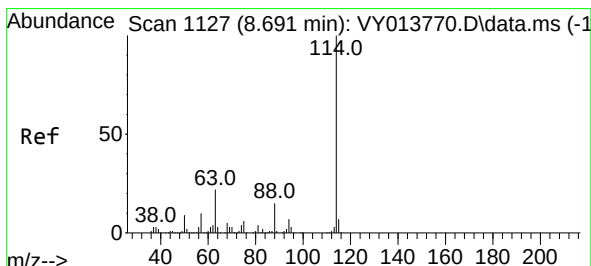
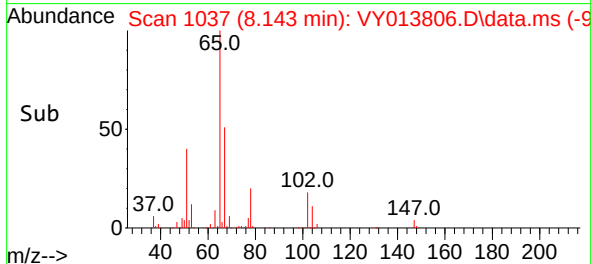
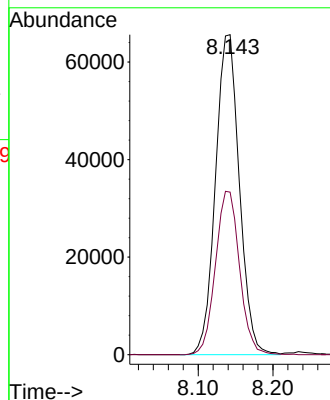
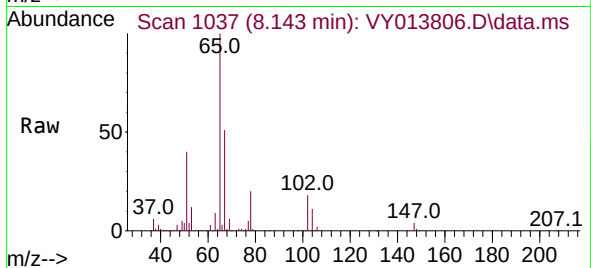
67 51.5 0.0 105.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

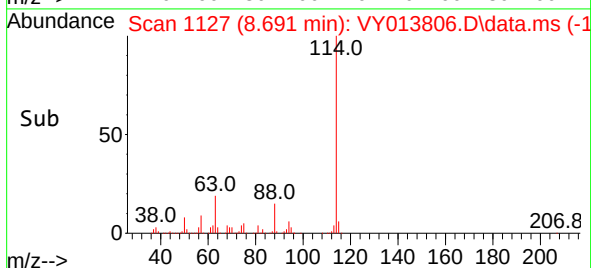
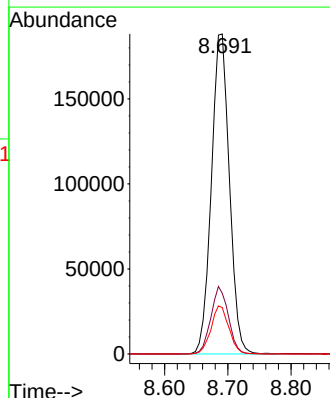
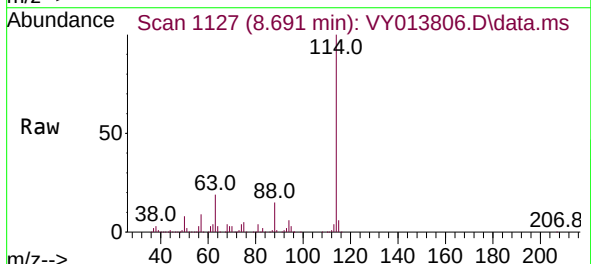
Tgt Ion:114 Resp: 371859

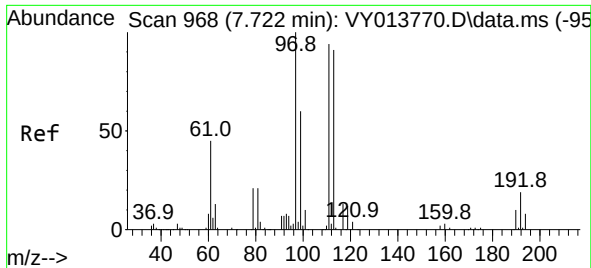
Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.8

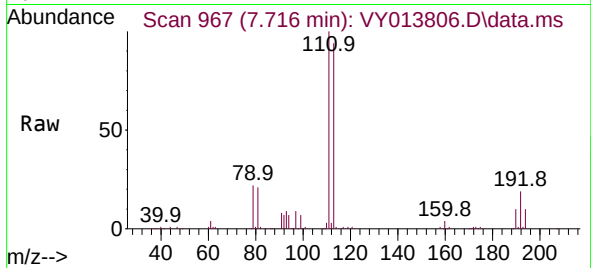
88 14.5 0.0 30.8





#35
Dibromofluoromethane
Concen: 51.272 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

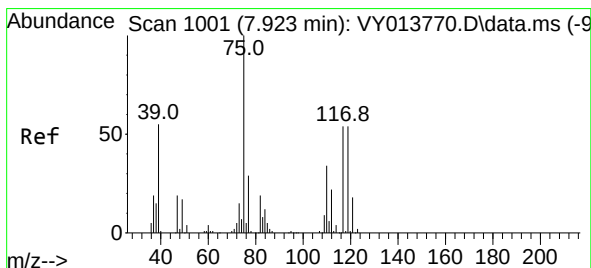
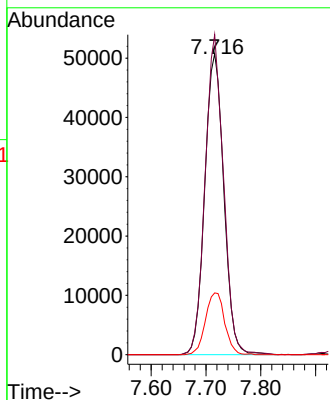
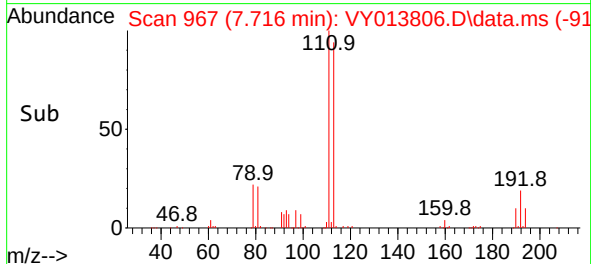
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:113 Resp: 12226
Ion Ratio Lower Upper
113 100
111 102.7 82.3 123.5
192 20.7 16.0 24.0

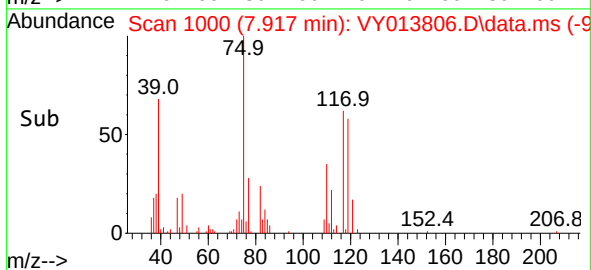
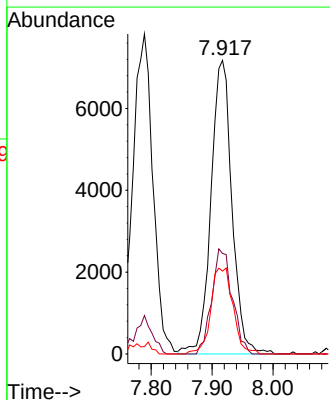
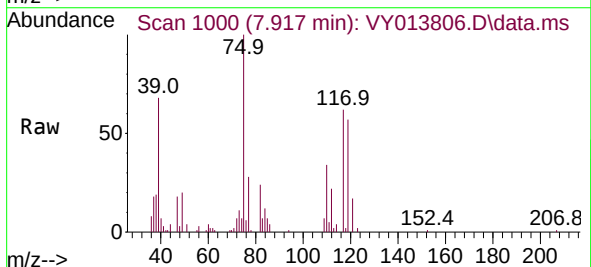
Manual Integrations
APPROVED

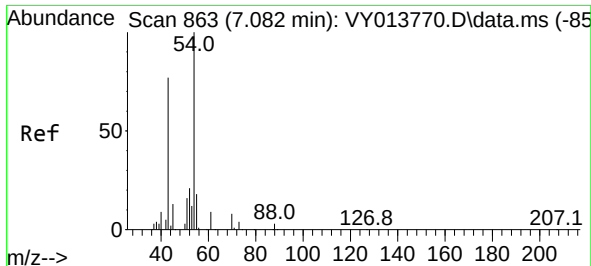
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#36
1,1-Dichloropropene
Concen: 5.216 ug/l
RT: 7.917 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

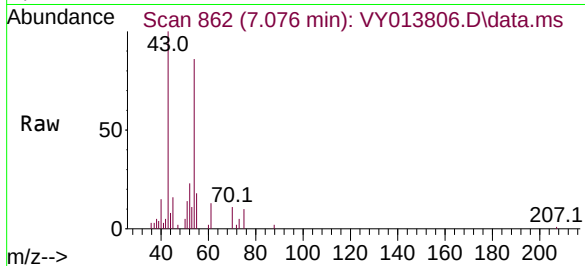
Tgt Ion: 75 Resp: 17187
Ion Ratio Lower Upper
75 100
110 35.0 17.3 51.7
77 30.8 24.6 36.8





#37
Ethyl Acetate
Concen: 4.617 ug/l
RT: 7.076 min Scan# 80
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

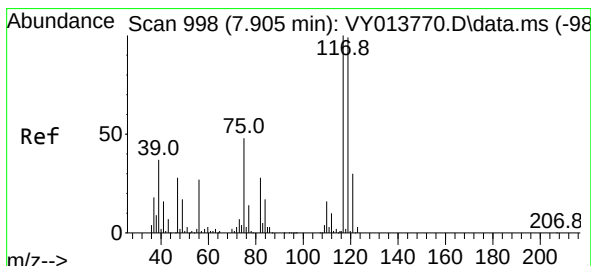
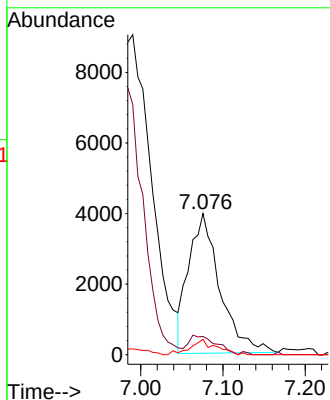
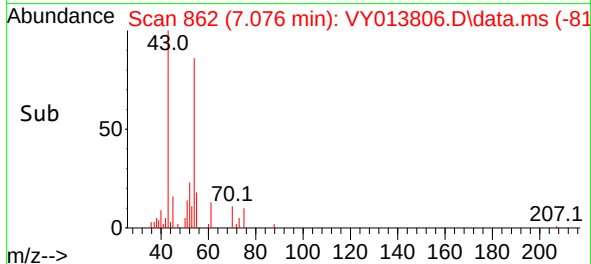
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 43 Resp: 1046
Ion Ratio Lower Upper
43 100
61 11.9 10.7 16.1
70 8.9 7.0 10.6

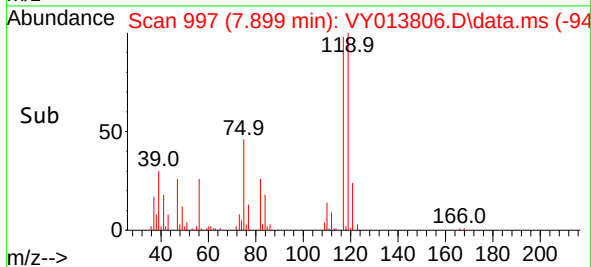
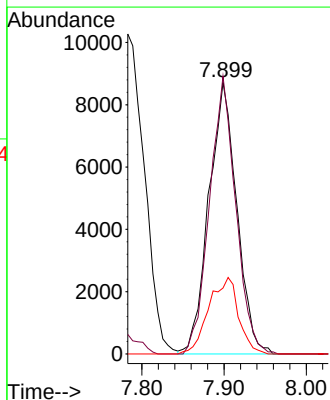
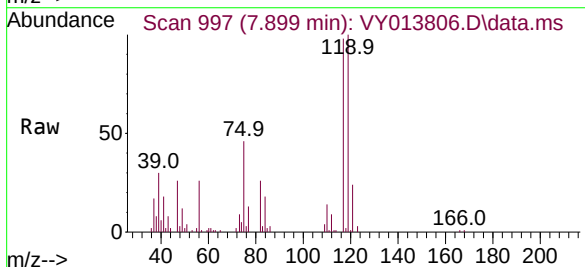
Manual Integrations
APPROVED

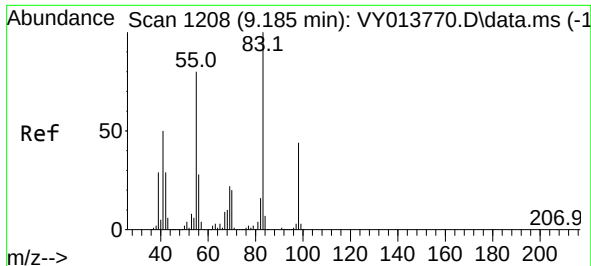
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#38
Carbon Tetrachloride
Concen: 5.931 ug/l
RT: 7.899 min Scan# 997
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion:117 Resp: 20616
Ion Ratio Lower Upper
117 100
119 102.3 79.0 118.6
121 24.3 24.1 36.1





#39

Methylcyclohexane

Concen: 5.125 ug/l

RT: 9.179 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2023

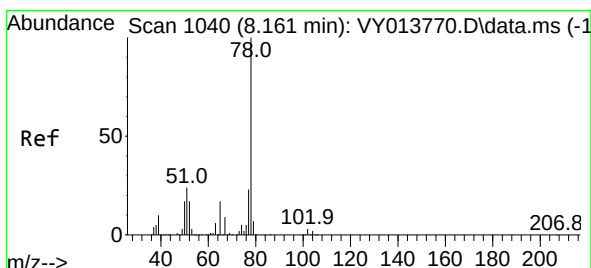
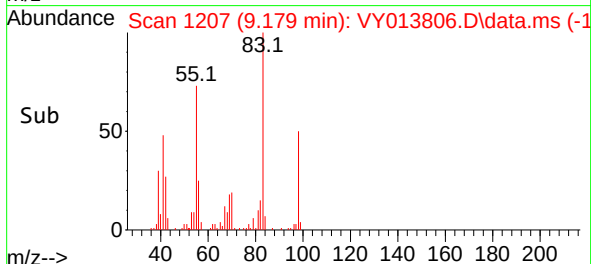
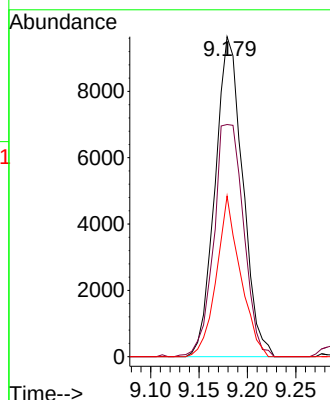
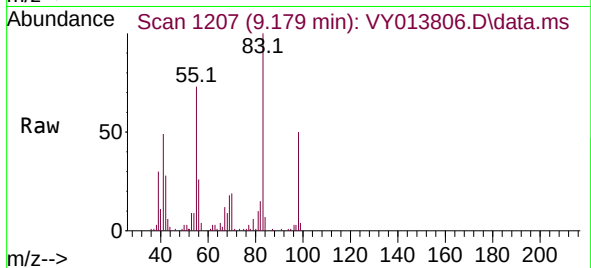
Tgt Ion: 83	Resp: 1919
Ion Ratio	Lower Upper
83 100	
55 72.5	63.7 95.5
98 50.2	35.0 52.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#40

Benzene

Concen: 5.384 ug/l

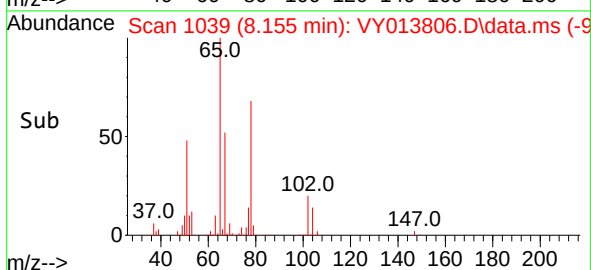
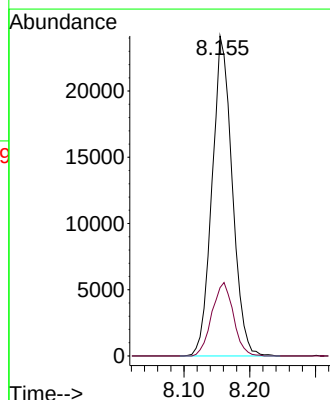
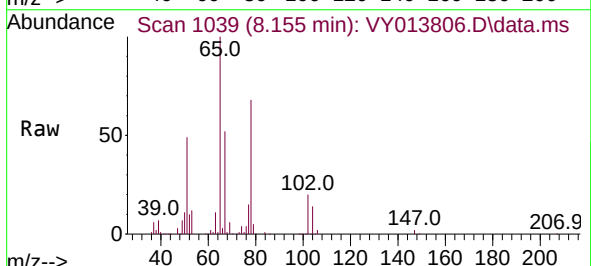
RT: 8.155 min Scan# 1039

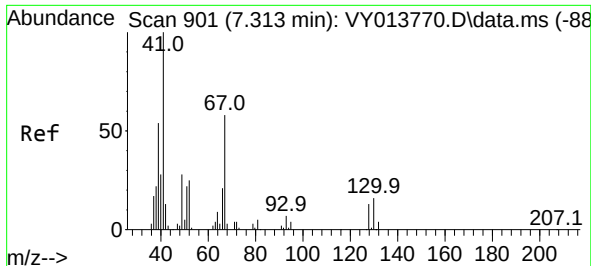
Delta R.T. -0.006 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

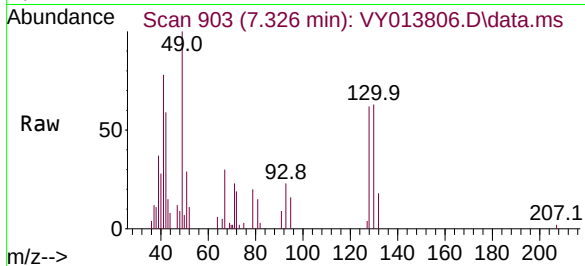
Tgt Ion: 78	Resp: 51553
Ion Ratio	Lower Upper
78 100	
77 21.4	18.6 27.8





#41
Methacrylonitrile
Concen: 6.516 ug/l m
RT: 7.326 min Scan# 901
Delta R.T. 0.012 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

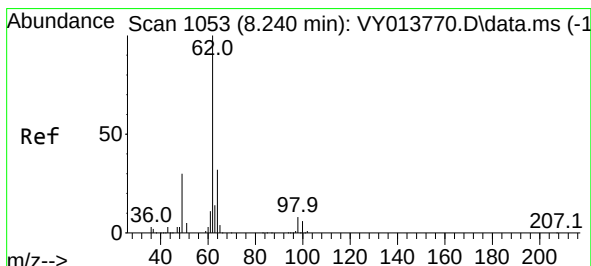
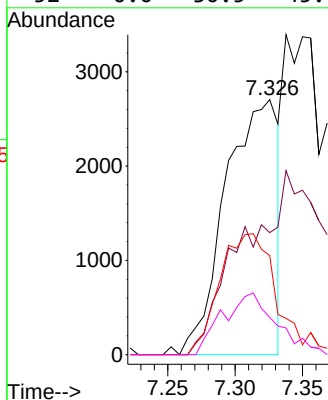
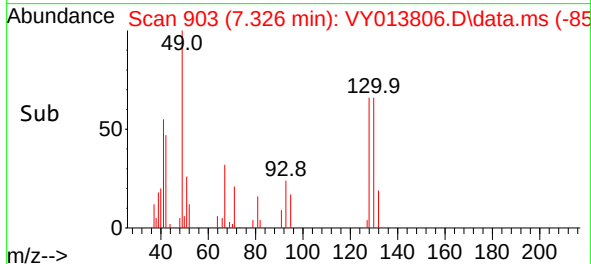
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 41 Resp: 7338
Ion Ratio Lower Upper
41 100
39 112.4 59.5 89.3
67 0.0 69.1 103.7
52 0.0 30.5 45.7

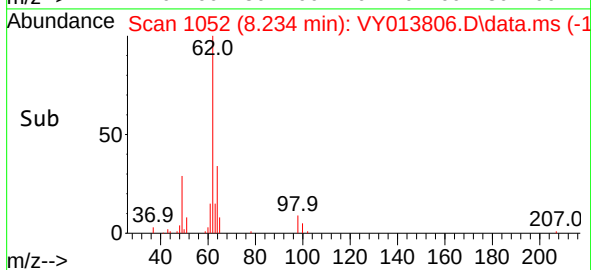
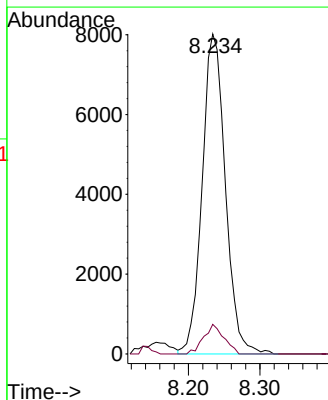
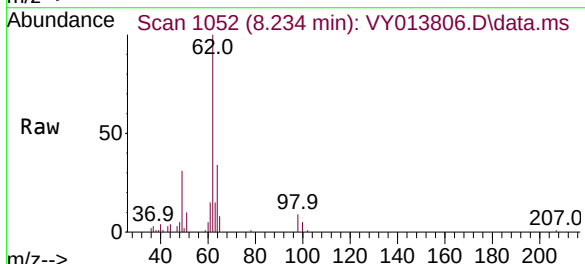
Manual Integrations
APPROVED

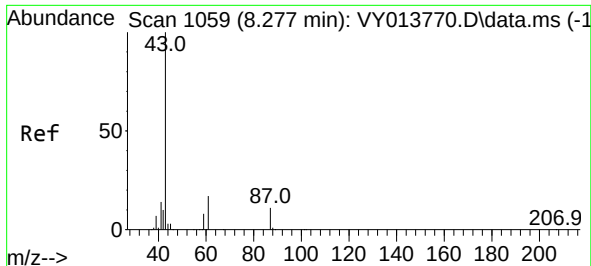
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#42
1,2-Dichloroethane
Concen: 5.837 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

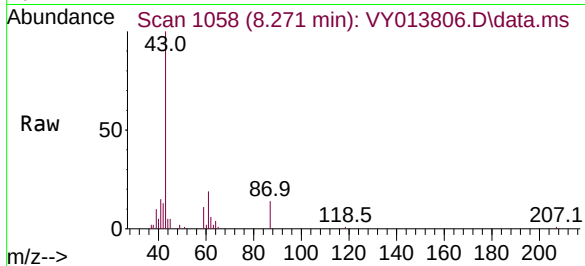
Tgt Ion: 62 Resp: 18057
Ion Ratio Lower Upper
62 100
98 8.1 0.0 16.8





#43
Isopropyl Acetate
Concen: 4.744 ug/l
RT: 8.271 min Scan# 1058
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

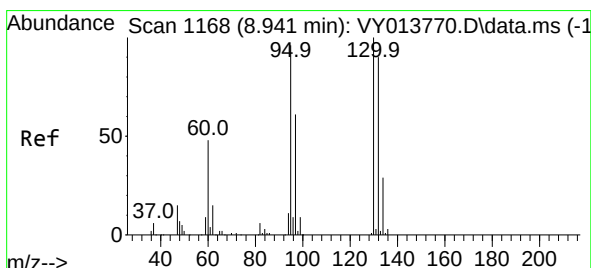
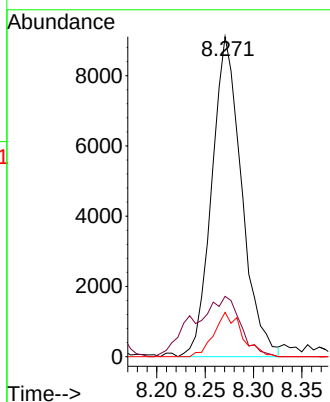
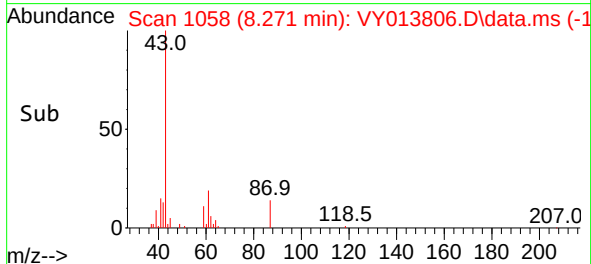
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2023



Tgt Ion: 43 Resp: 19514
Ion Ratio Lower Upper
43 100
61 21.5 20.6 31.0
87 13.0 9.0 13.6

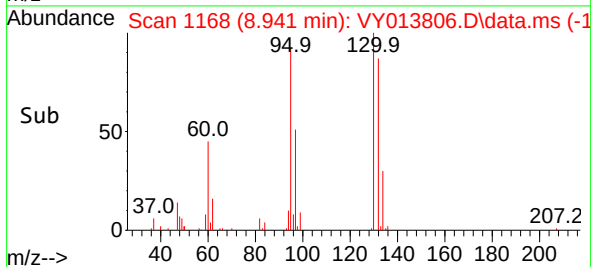
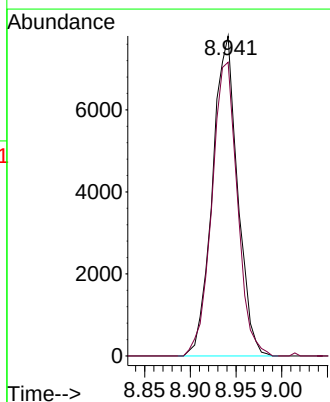
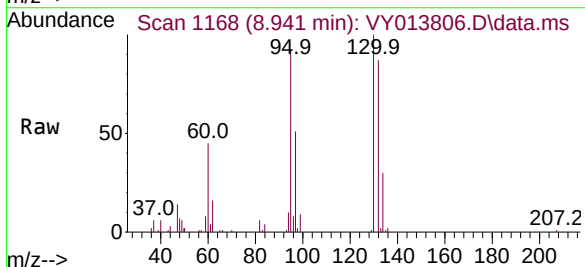
Manual Integrations
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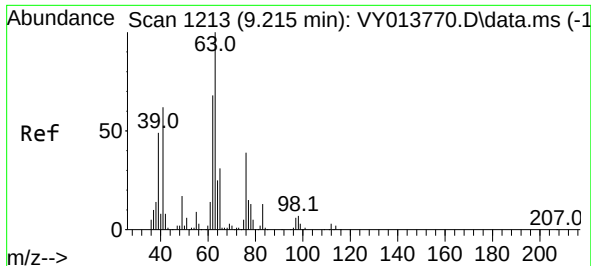
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#44
Trichloroethene
Concen: 5.965 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion:130 Resp: 14929
Ion Ratio Lower Upper
130 100
95 91.8 0.0 193.0





#45

1,2-Dichloropropane

Concen: 5.122 ug/l

RT: 9.216 min Scan# 1213

Delta R.T. 0.000 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2023

Tgt Ion: 63 Resp: 1347

Ion Ratio Lower Upper

63 100

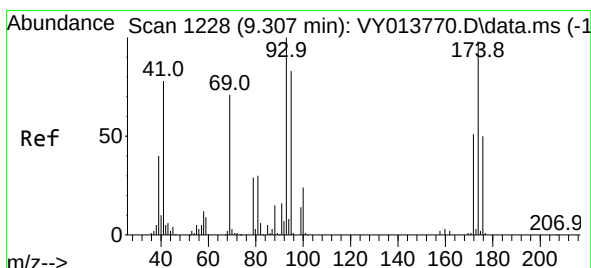
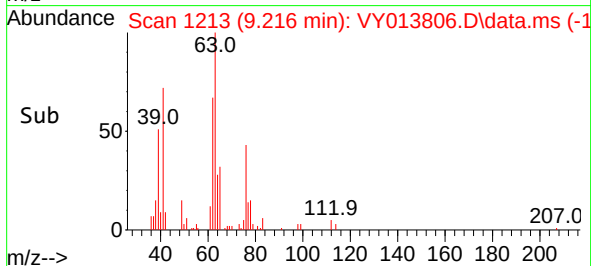
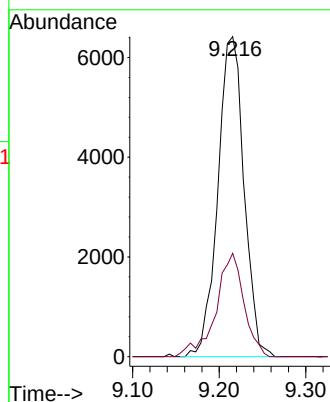
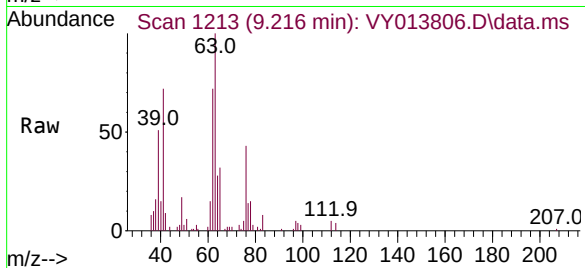
65 32.3 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#46

Dibromomethane

Concen: 5.160 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

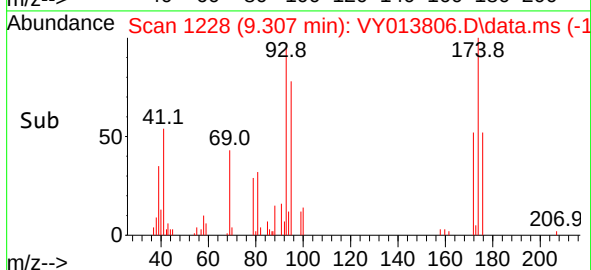
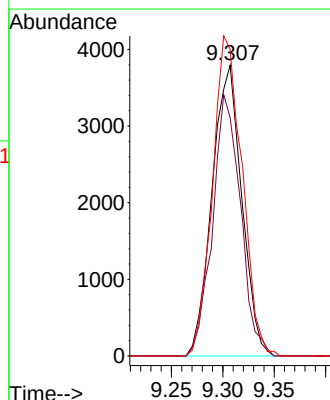
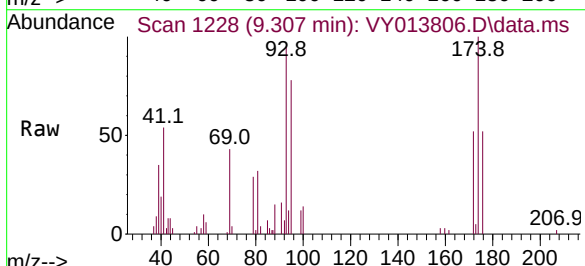
Tgt Ion: 93 Resp: 7603

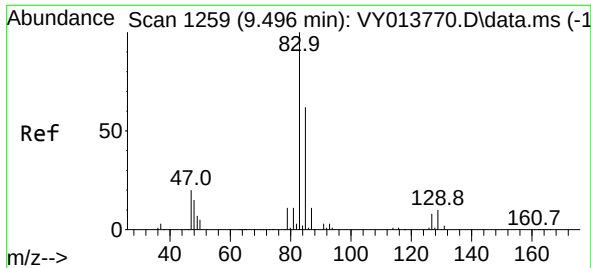
Ion Ratio Lower Upper

93 100

95 84.6 65.8 98.6

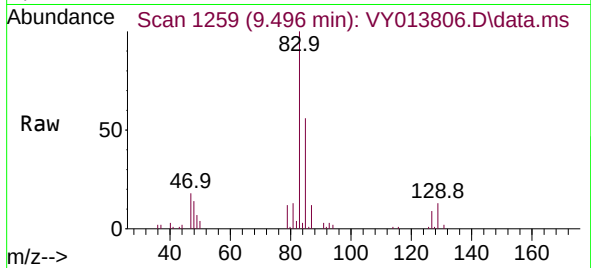
174 109.8 79.5 119.3





#47
Bromodichloromethane
Concen: 5.548 ug/l
RT: 9.496 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

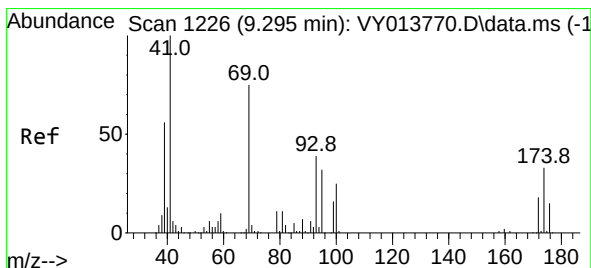
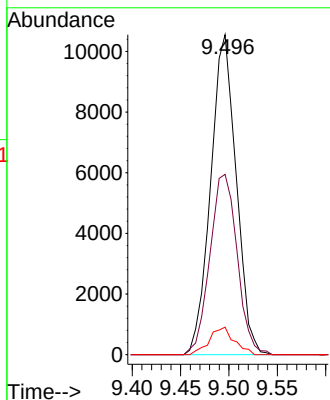
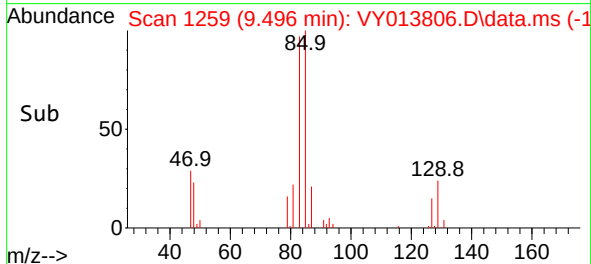
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023



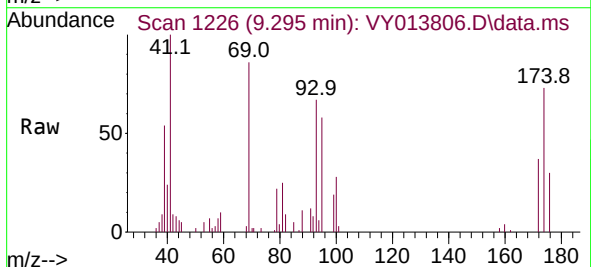
Tgt Ion: 83 Resp: 1935
Ion Ratio Lower Upper
83 100
85 56.4 49.6 74.4
127 8.6 6.3 9.5

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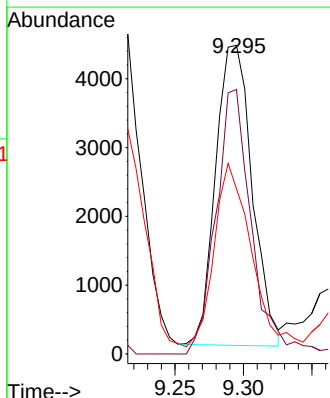
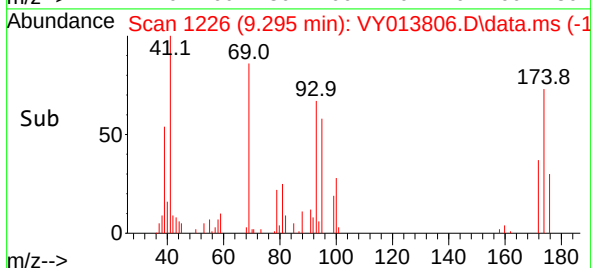
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023

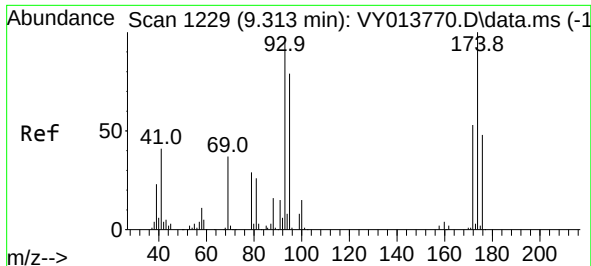


#48
Methyl methacrylate
Concen: 4.281 ug/l
RT: 9.295 min Scan# 1226
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39



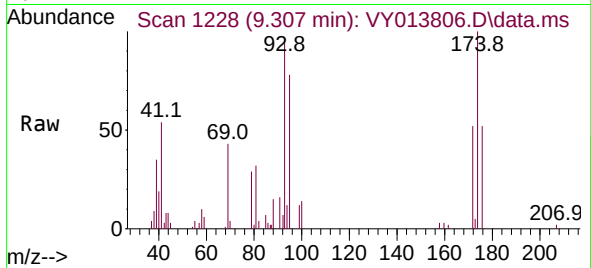
Tgt Ion: 41 Resp: 8089
Ion Ratio Lower Upper
41 100
69 85.7 63.0 94.6
39 67.8 46.2 69.2





#49
1,4-Dioxane
Concen: 88.141 ug/l
RT: 9.307 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

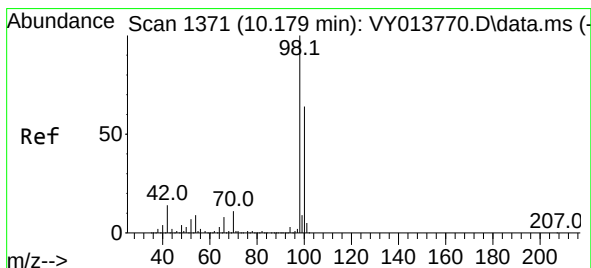
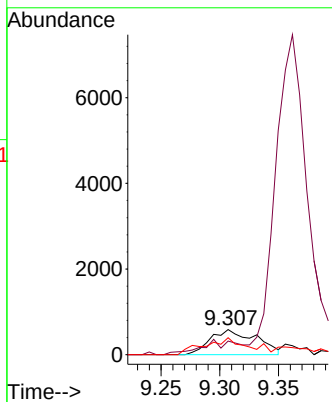
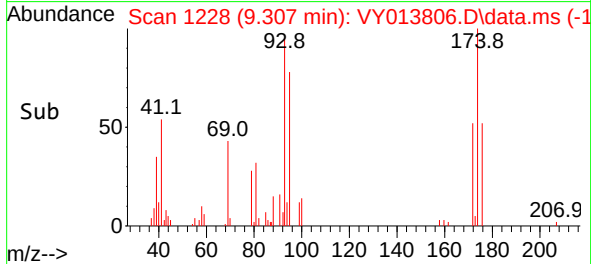
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2023



Tgt Ion: 88 Resp: 1594
Ion Ratio Lower Upper
88 100
43 26.6 26.1 39.1
58 56.0 62.2 93.2

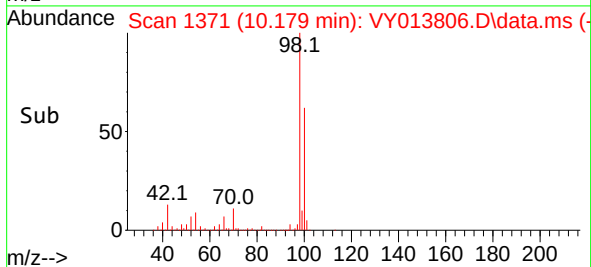
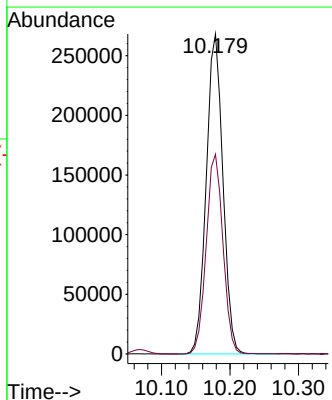
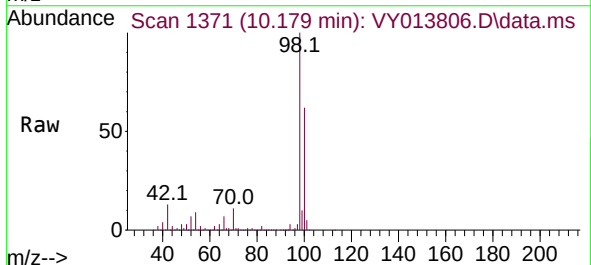
Manual Integrations
APPROVED

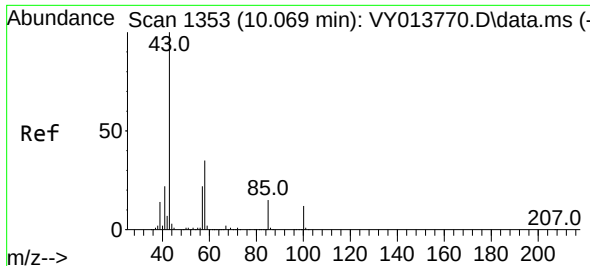
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#50
Toluene-d8
Concen: 50.111 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 98 Resp: 453016
Ion Ratio Lower Upper
98 100
100 62.8 51.0 76.6





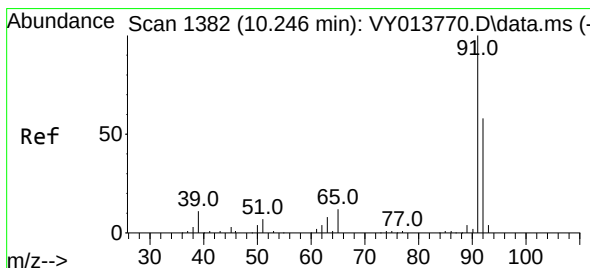
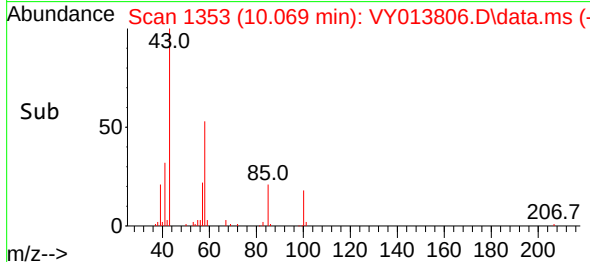
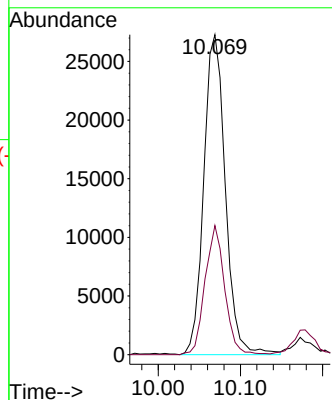
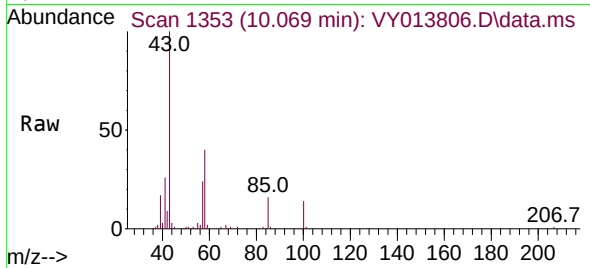
#51
4-Methyl-2-Pentanone
Concen: 21.732 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion: 43 Resp: 4978
Ion Ratio Lower Upper
43 100
58 36.6 28.2 42.2

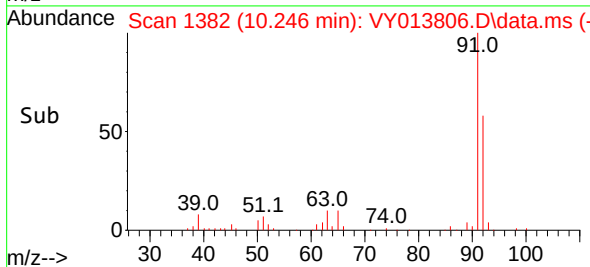
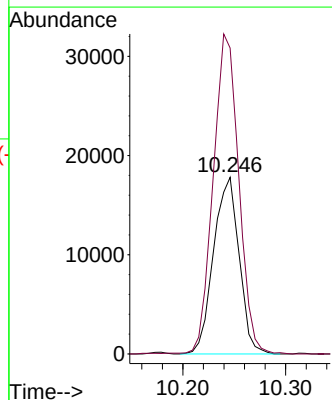
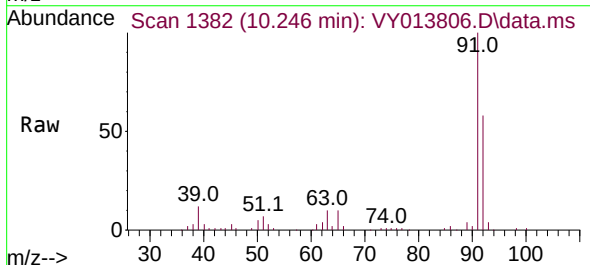
Manual Integrations
APPROVED

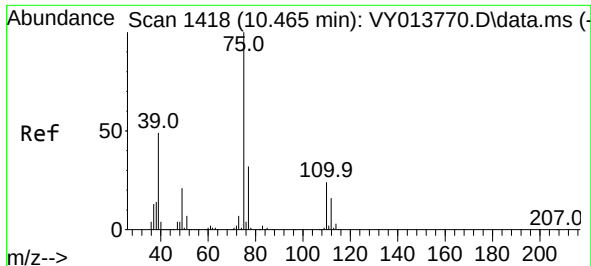
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#52
Toluene
Concen: 5.296 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

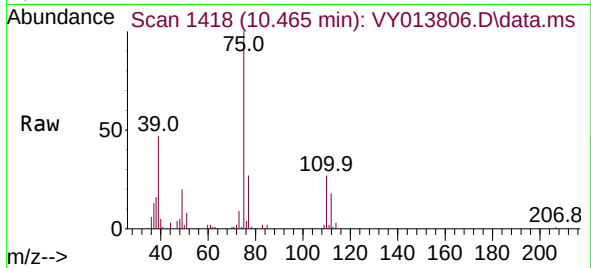
Tgt Ion: 92 Resp: 30743
Ion Ratio Lower Upper
92 100
91 181.5 141.0 211.4





#53
t-1,3-Dichloropropene
Concen: 5.038 ug/l
RT: 10.465 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

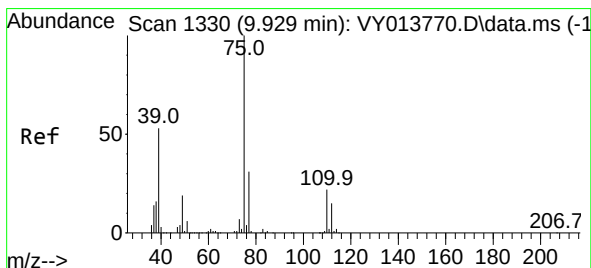
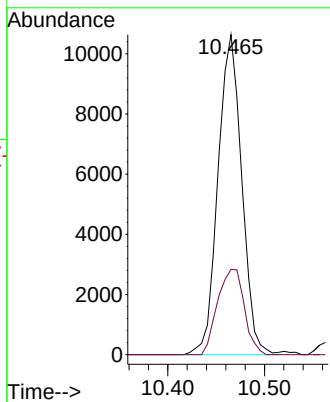
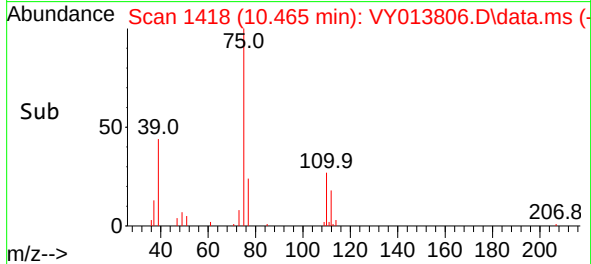
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2023



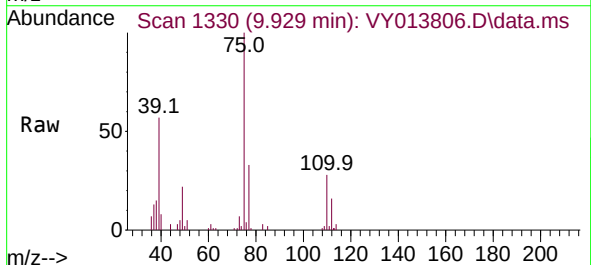
Tgt Ion: 75 Resp: 1812
Ion Ratio Lower Upper
75 100
77 26.7 25.8 38.8

Manual Integrations
APPROVED

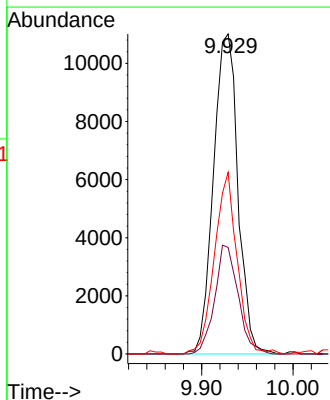
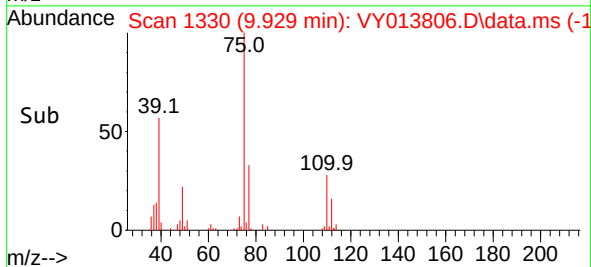
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023

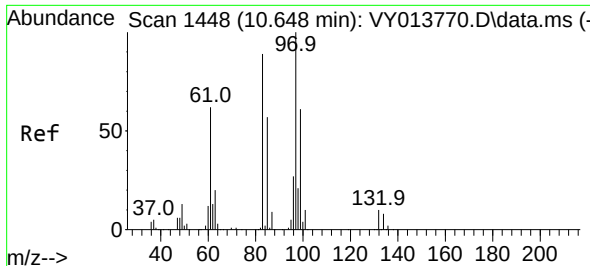


#54
cis-1,3-Dichloropropene
Concen: 5.111 ug/l
RT: 9.929 min Scan# 1330
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39



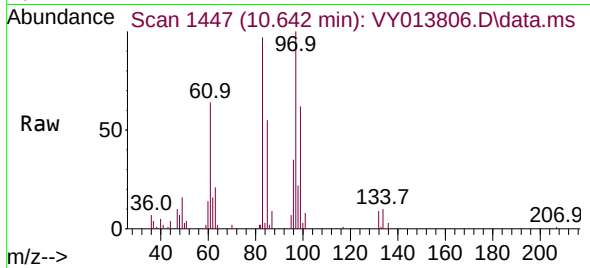
Tgt Ion: 75 Resp: 20516
Ion Ratio Lower Upper
75 100
77 33.3 24.8 37.2
39 56.8 42.6 63.8





#55
1,1,2-Trichloroethane
Concen: 5.356 ug/l
RT: 10.642 min Scan# 1448
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

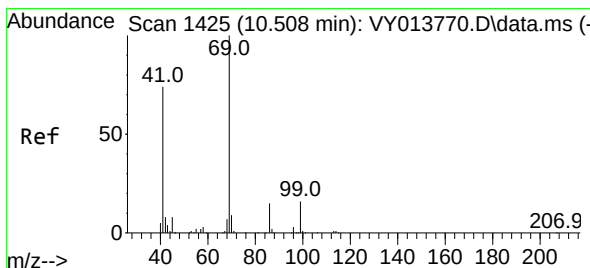
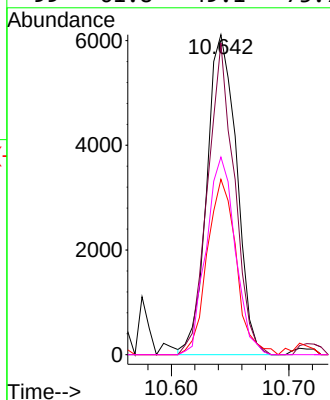
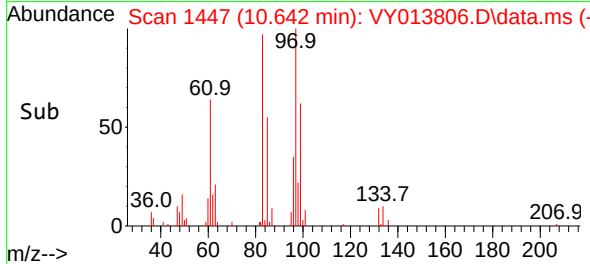
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2023



Tgt Ion	Ratio	Lower	Upper
97	100		
83	97.4	71.1	106.7
85	54.8	45.7	68.5
99	61.8	49.1	73.7

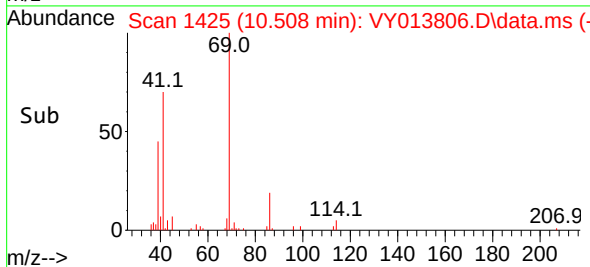
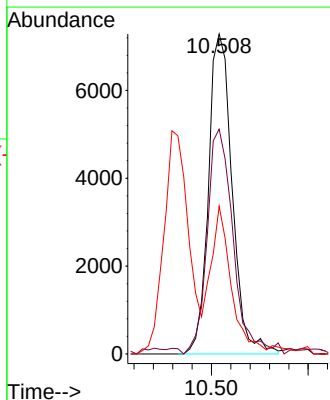
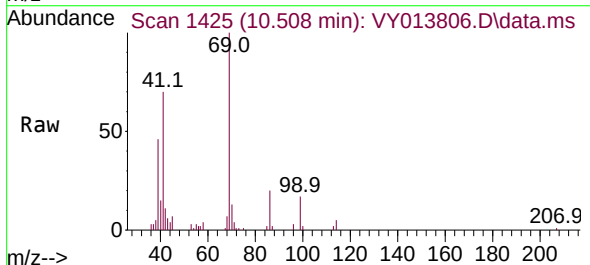
Manual Integrations
APPROVED

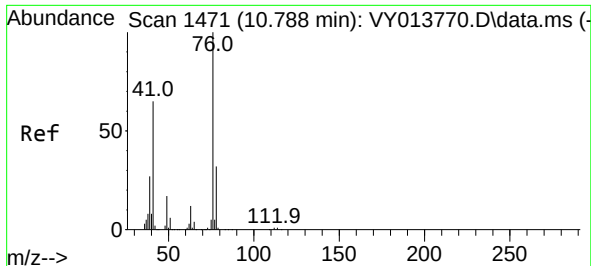
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#56
Ethyl methacrylate
Concen: 4.636 ug/l
RT: 10.508 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion	Ratio	Lower	Upper
69	100		
41	77.5	58.3	87.5
39	38.1	31.8	47.8





#57

1,3-Dichloropropane

Concen: 5.139 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2023

Tgt Ion: 76 Resp: 17720

Ion Ratio Lower Upper

76 100

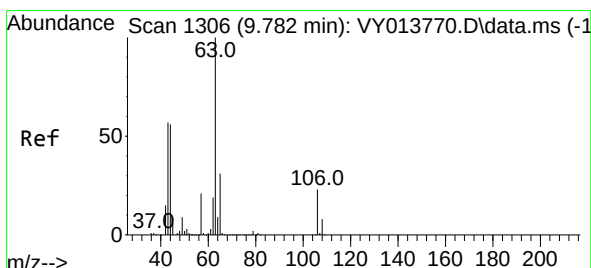
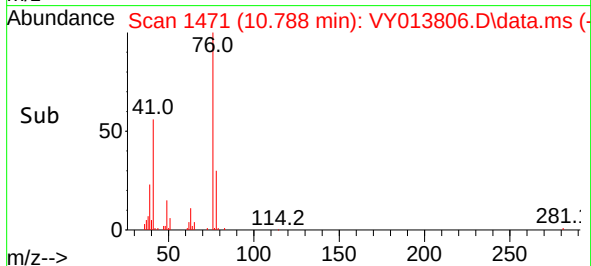
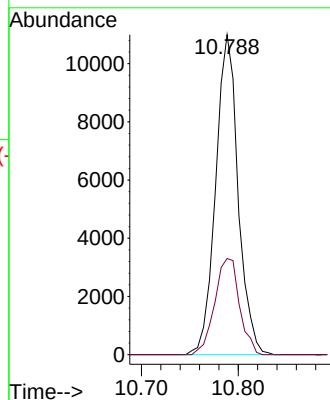
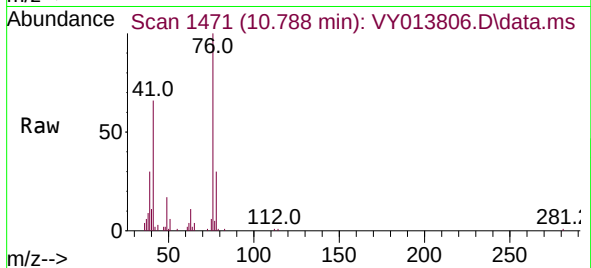
78 33.3 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#58

2-Chloroethyl Vinyl ether

Concen: 26.768 ug/l

RT: 9.783 min Scan# 1306

Delta R.T. 0.000 min

Lab File: VY013806.D

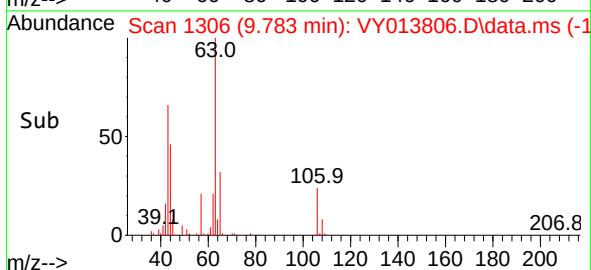
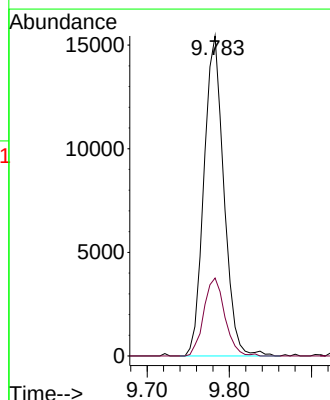
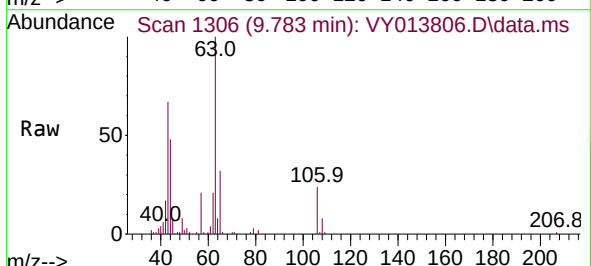
Acq: 18 May 2023 17:39

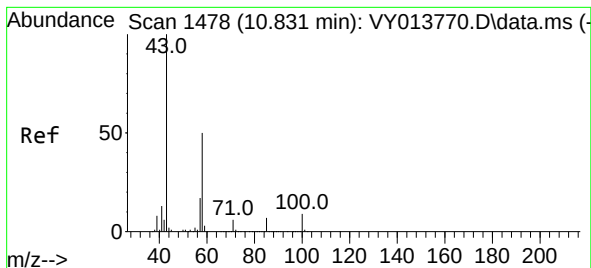
Tgt Ion: 63 Resp: 25937

Ion Ratio Lower Upper

63 100

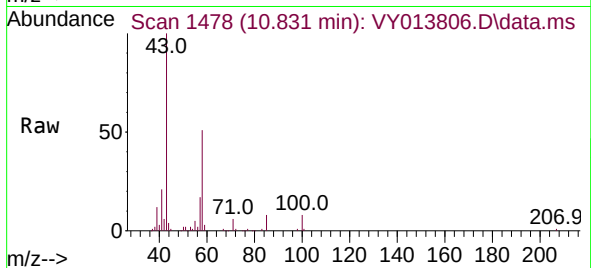
106 25.7 19.7 29.5





#59
2-Hexanone
Concen: 21.383 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

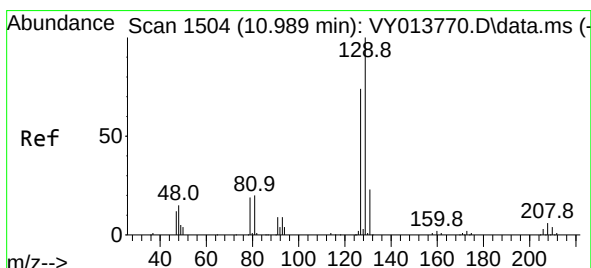
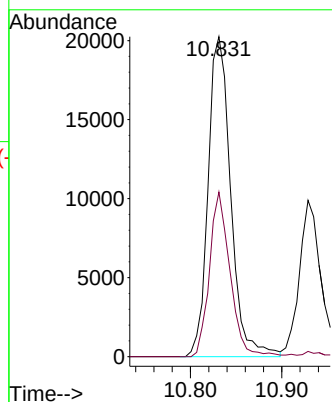
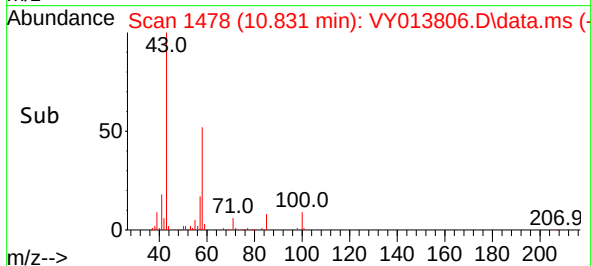
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 43 Resp: 34818
Ion Ratio Lower Upper
43 100
58 46.9 24.8 74.4

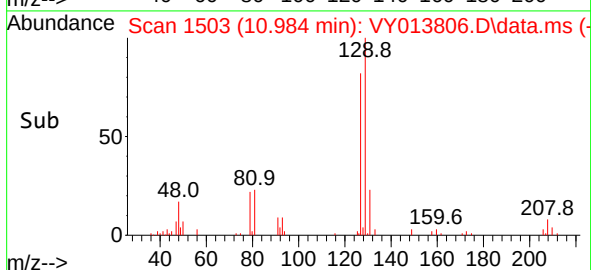
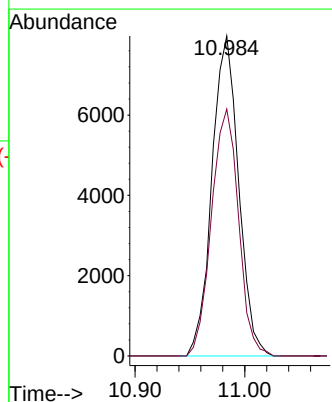
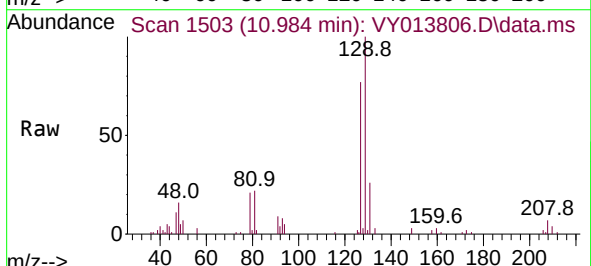
Manual Integrations
APPROVED

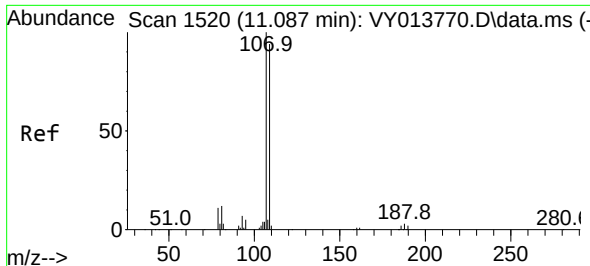
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#60
Dibromochloromethane
Concen: 5.554 ug/l
RT: 10.984 min Scan# 1503
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

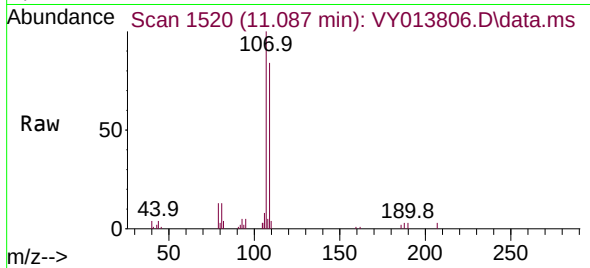
Tgt Ion:129 Resp: 13488
Ion Ratio Lower Upper
129 100
127 78.2 38.6 115.7





#61
1,2-Dibromoethane
Concen: 5.364 ug/l
RT: 11.087 min Scan# 1520
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

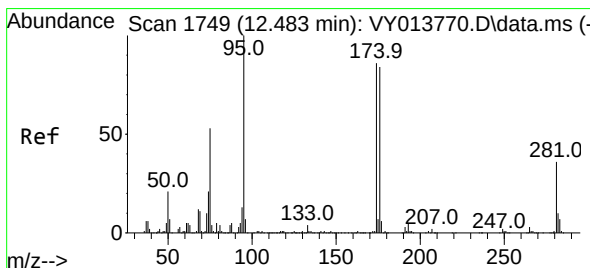
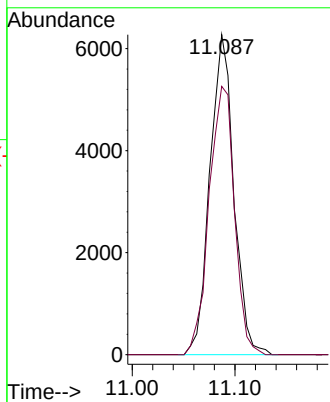
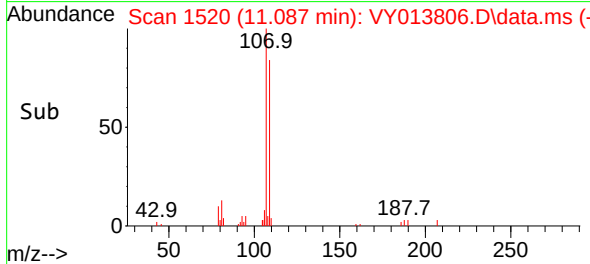
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023



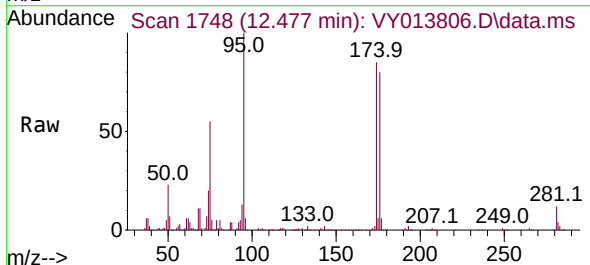
Tgt Ion:107 Resp: 10138
Ion Ratio Lower Upper
107 100
109 88.9 76.2 114.4

Manual Integrations
APPROVED

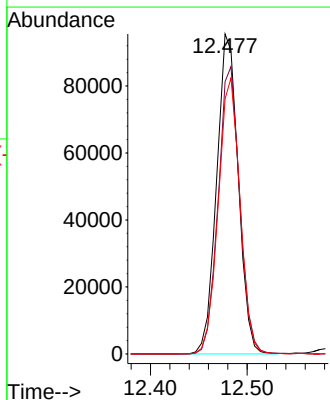
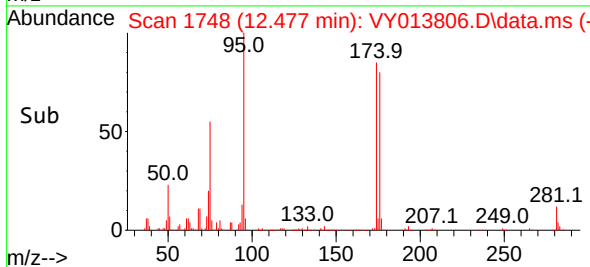
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023

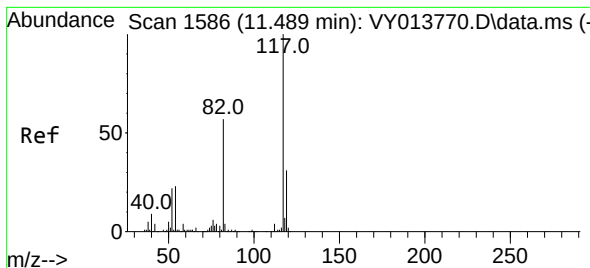


#62
4-Bromofluorobenzene
Concen: 49.234 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39



Tgt Ion: 95 Resp: 147837
Ion Ratio Lower Upper
95 100
174 89.5 0.0 168.8
176 86.6 0.0 165.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013806.D

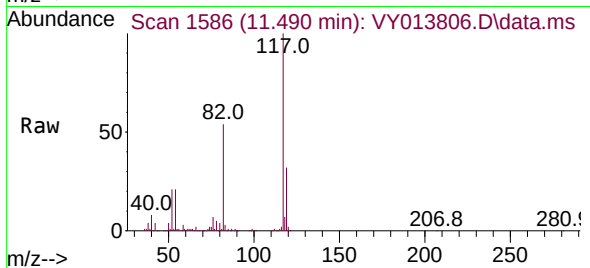
Acq: 18 May 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2023



Tgt Ion:117 Resp: 33544

Ion Ratio Lower Upper

117 100

82 54.3 45.5 68.3

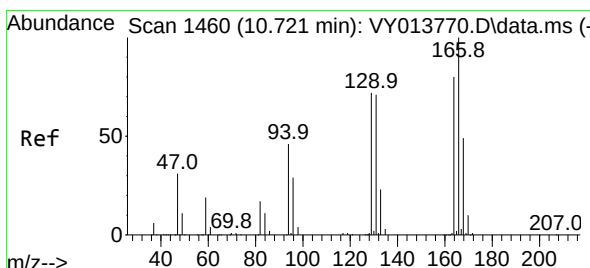
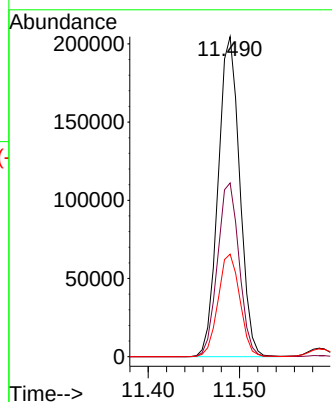
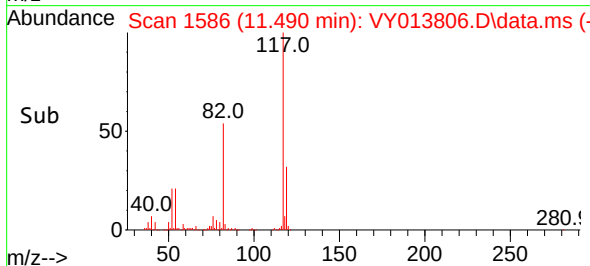
119 32.1 24.8 37.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#64

Tetrachloroethene

Concen: 5.554 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. -0.006 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Tgt Ion:164 Resp: 11818

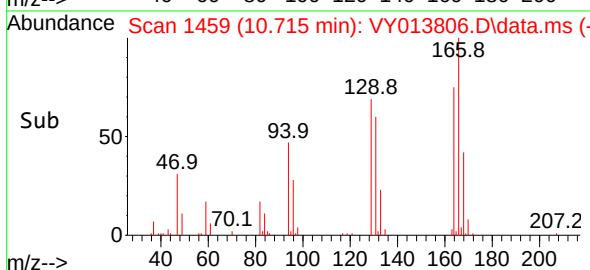
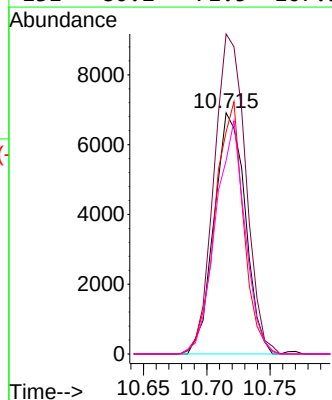
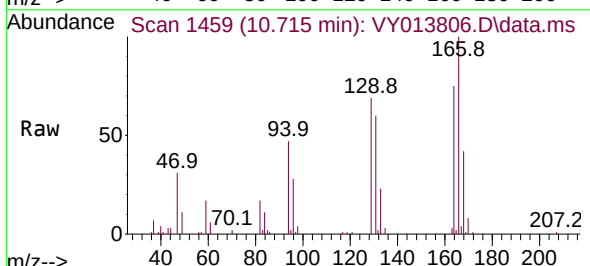
Ion Ratio Lower Upper

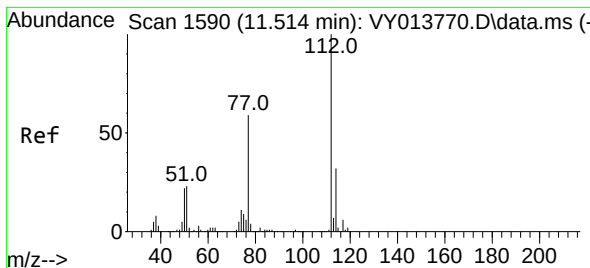
164 100

166 132.7 100.5 150.7

129 92.1 72.5 108.7

131 80.2 71.5 107.3





#65

Chlorobenzene

Concen: 5.454 ug/l

RT: 11.514 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2023

Tgt Ion:112 Resp: 34628

Ion Ratio Lower Upper

112 100

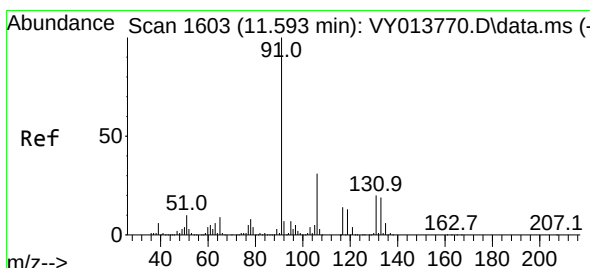
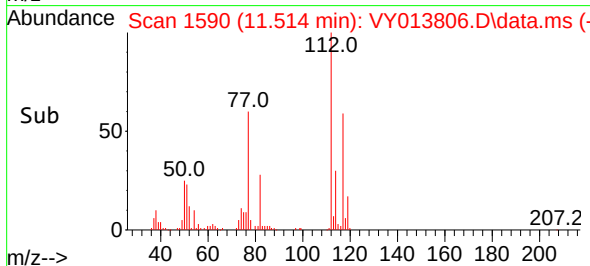
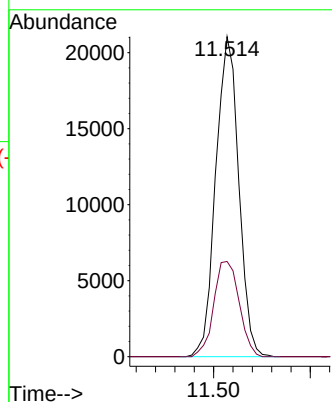
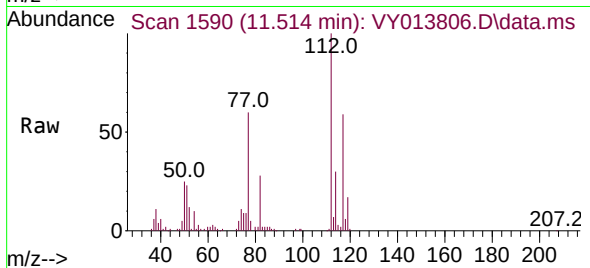
114 29.8 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#66

1,1,1,2-Tetrachloroethane

Concen: 5.428 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.006 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

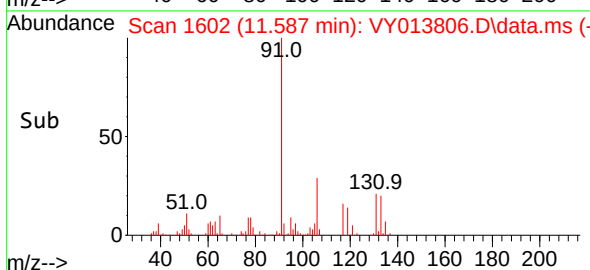
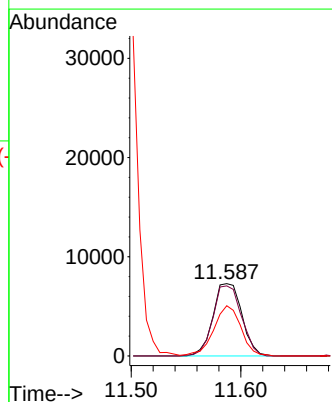
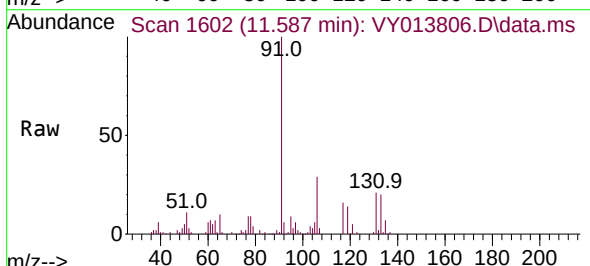
Tgt Ion:131 Resp: 13391

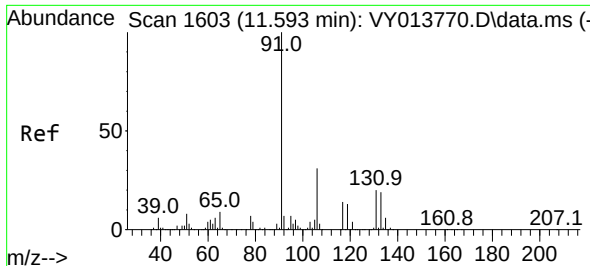
Ion Ratio Lower Upper

131 100

133 95.5 47.8 143.4

119 65.4 32.9 98.7





#67

Ethyl Benzene

Concen: 4.968 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.006 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2023

Tgt Ion: 91 Resp: 56049

Ion Ratio Lower Upper

91 100

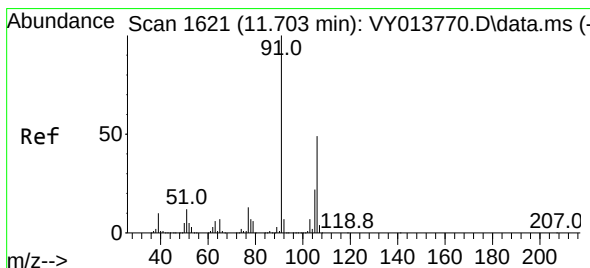
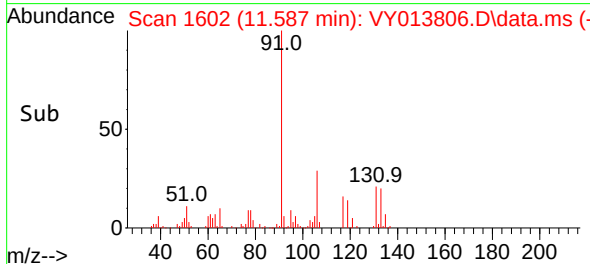
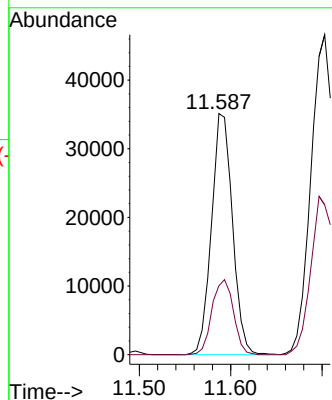
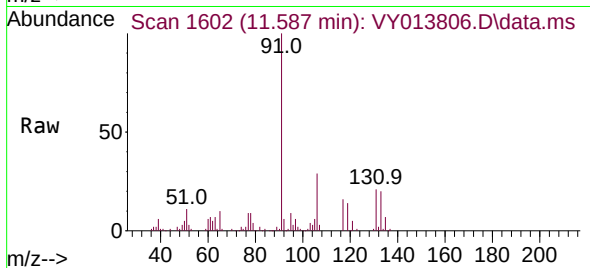
106 28.6 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#68

m/p-Xylenes

Concen: 9.913 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY013806.D

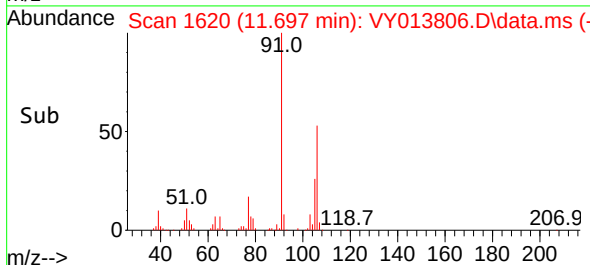
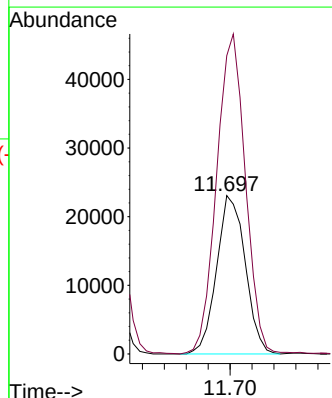
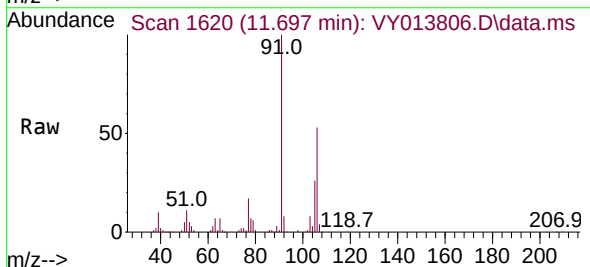
Acq: 18 May 2023 17:39

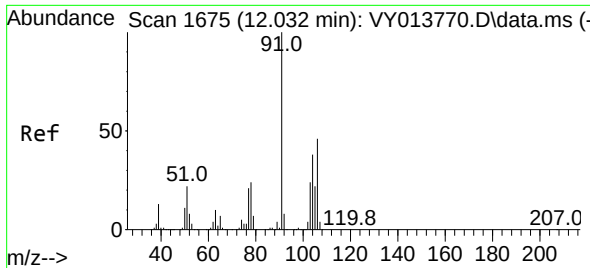
Tgt Ion:106 Resp: 41891

Ion Ratio Lower Upper

106 100

91 203.4 164.0 246.0





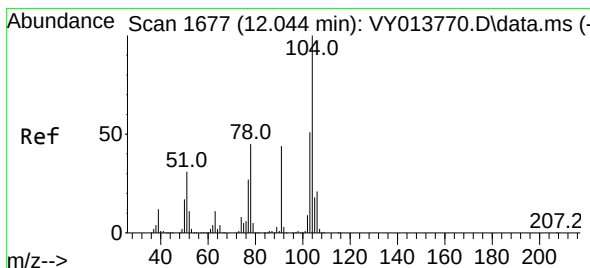
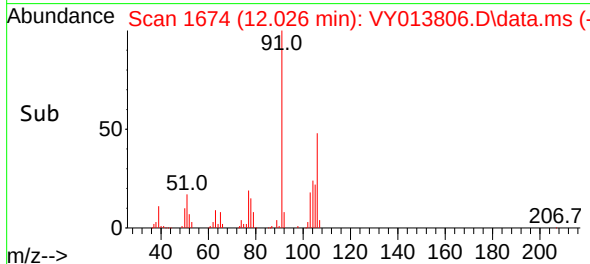
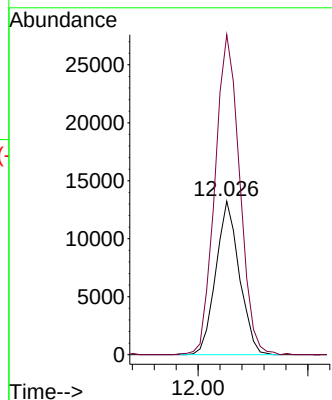
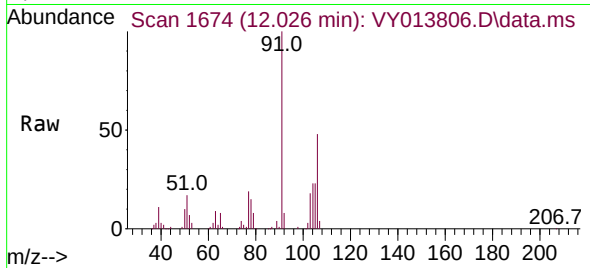
#69
o-Xylene
Concen: 4.908 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:106 Resp: 19729
Ion Ratio Lower Upper
106 100
91 219.3 108.4 325.2

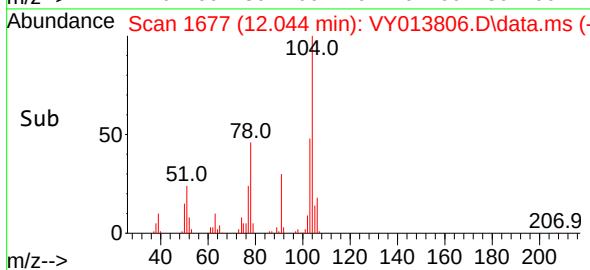
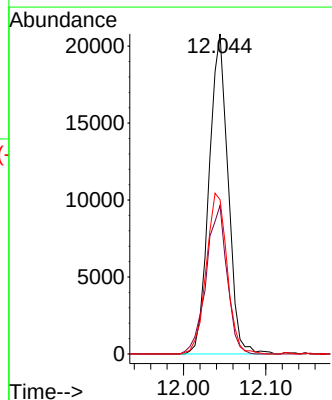
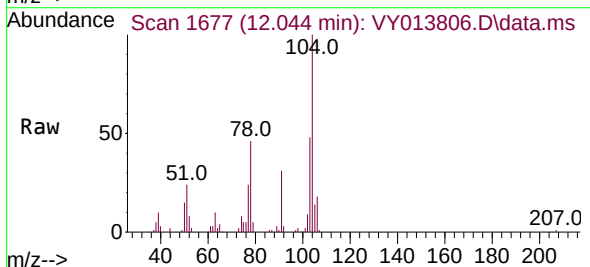
Manual Integrations
APPROVED

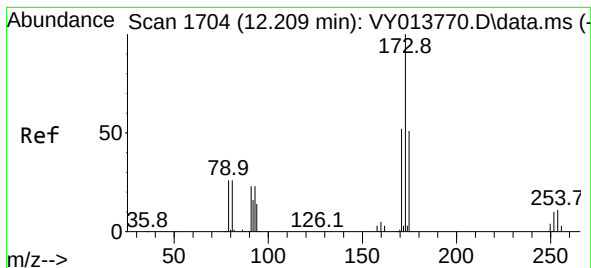
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#70
Styrene
Concen: 4.892 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion:104 Resp: 33397
Ion Ratio Lower Upper
104 100
78 50.6 40.6 61.0
103 55.2 44.6 66.8





#71

Bromoform

Concen: 5.274 ug/l

RT: 12.209 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2023

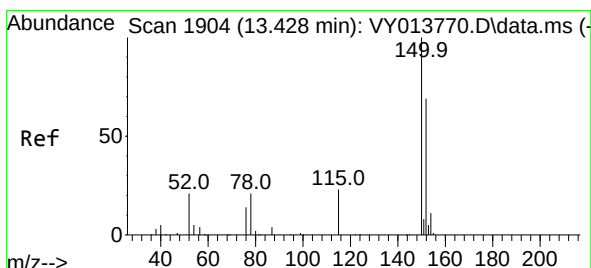
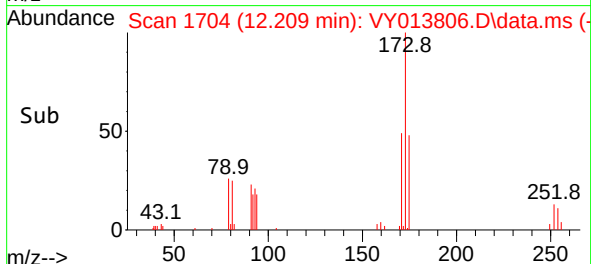
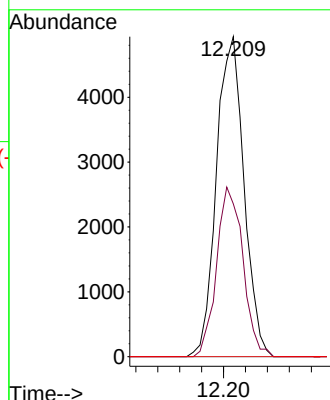
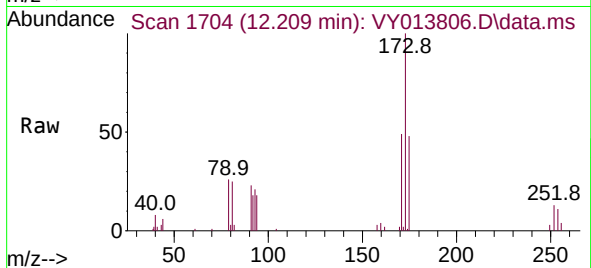
Tgt Ion:	173	Resp:	859
Ion Ratio	Lower	Upper	
173	100		
175	50.8	24.9	74.7
254	0.0	0.1	0.1

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

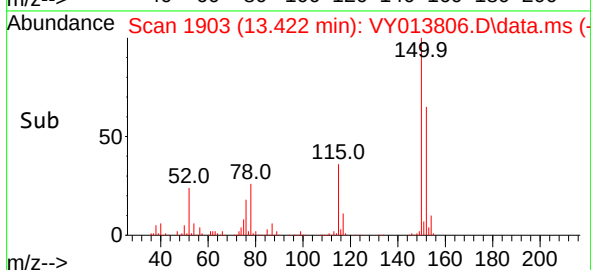
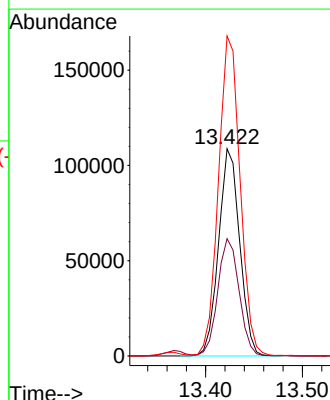
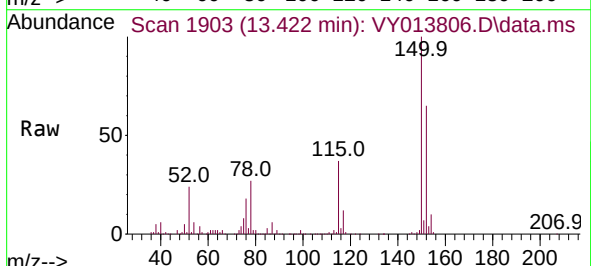
RT: 13.422 min Scan# 1903

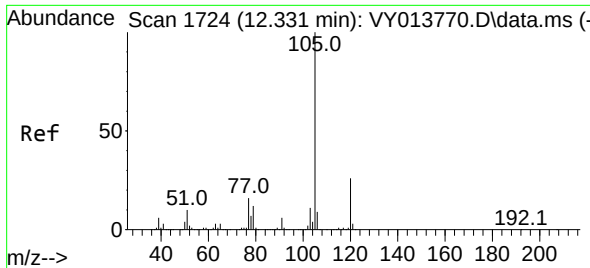
Delta R.T. -0.006 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Tgt Ion:	152	Resp:	164696
Ion Ratio	Lower	Upper	
152	100		
115	57.2	28.5	85.5
150	158.6	0.0	347.0





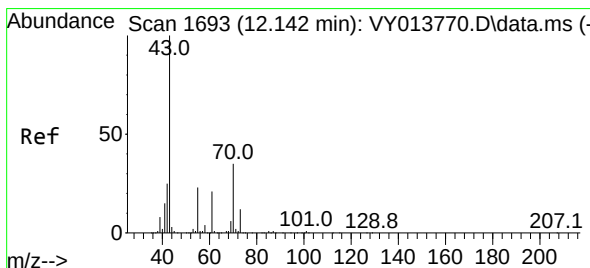
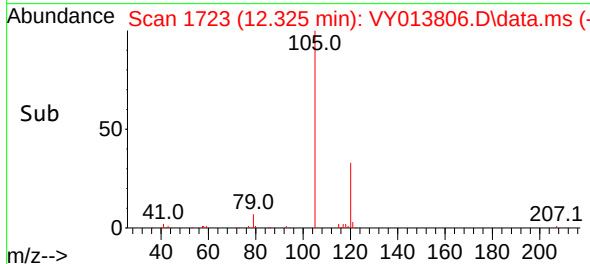
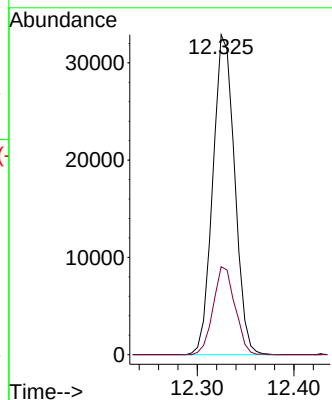
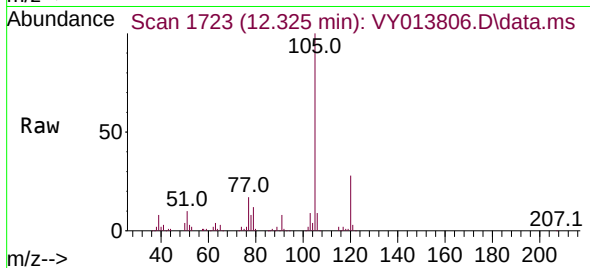
#73
Isopropylbenzene
Concen: 4.619 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2023

Tgt Ion:105 Resp: 51490
Ion Ratio Lower Upper
105 100
120 27.5 13.2 39.6

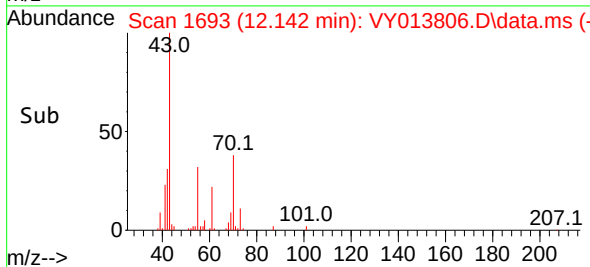
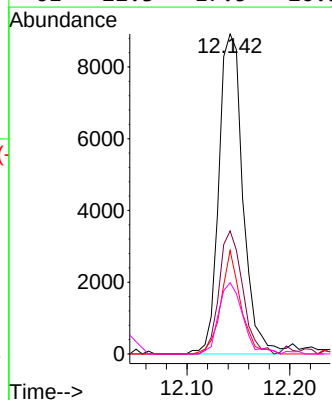
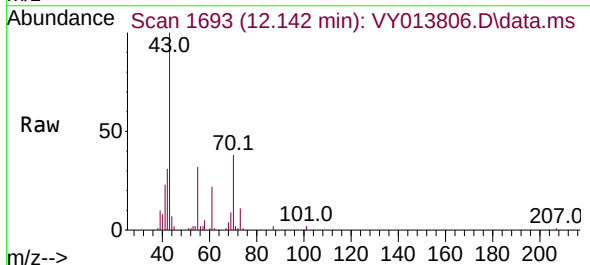
Manual Integrations
APPROVED

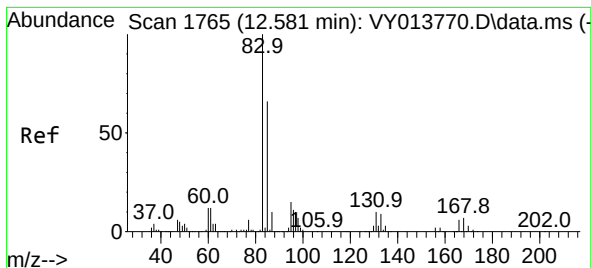
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#74
N-ethyl acetate
Concen: 3.826 ug/l
RT: 12.142 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

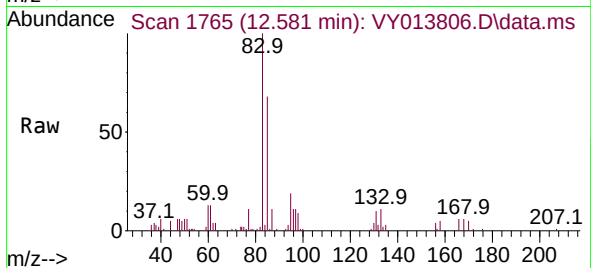
Tgt Ion: 43 Resp: 14478
Ion Ratio Lower Upper
43 100
70 37.2 28.8 43.2
55 26.8 18.5 27.7
61 22.3 17.5 26.3





#75
1,1,2,2-Tetrachloroethane
Concen: 4.833 ug/l
RT: 12.581 min Scan# 1765
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

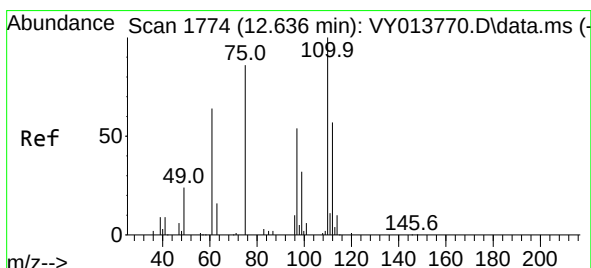
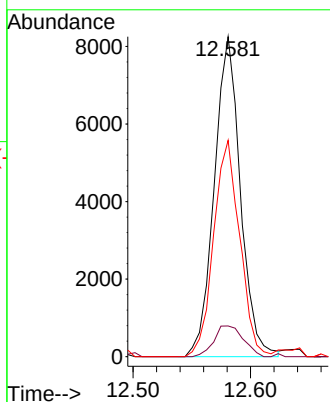
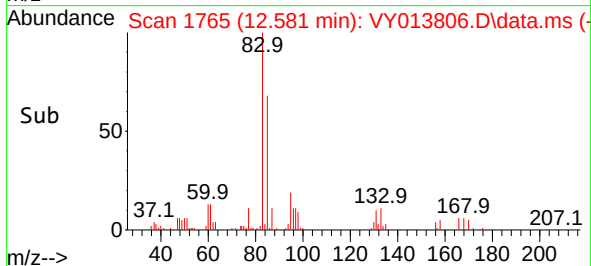
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2023



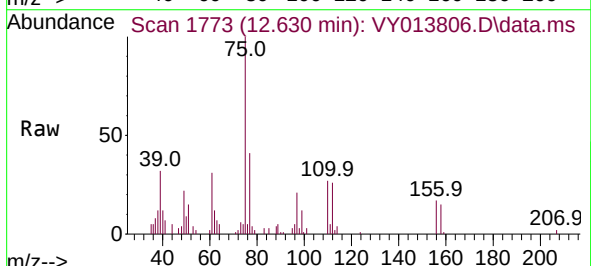
Tgt Ion: 83 Resp: 12760
Ion Ratio Lower Upper
83 100
131 10.8 5.1 15.2
85 67.5 32.0 96.2

Manual Integrations
APPROVED

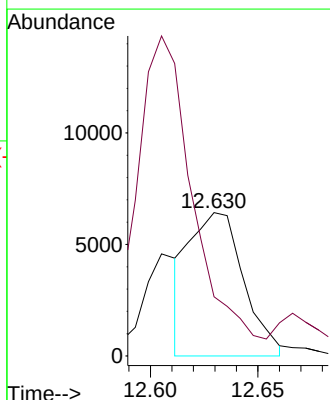
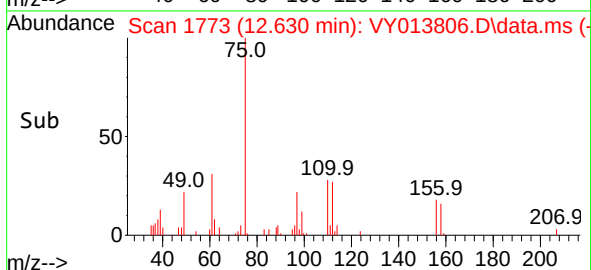
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023

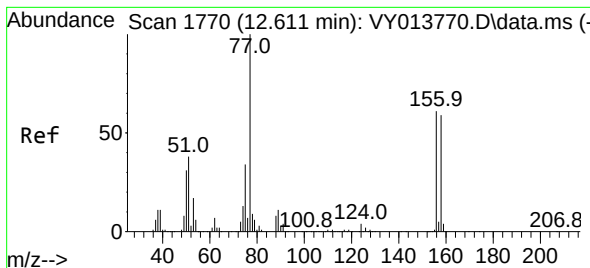


#76
1,2,3-Trichloropropane
Concen: 5.696 ug/l m
RT: 12.630 min Scan# 1773
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39



Tgt Ion: 75 Resp: 11354
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 5.290 ug/l

RT: 12.611 min Scan# 1770

Delta R.T. 0.000 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2023

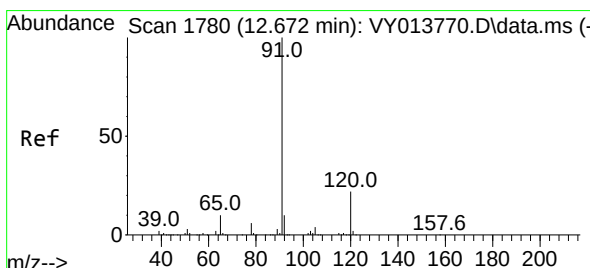
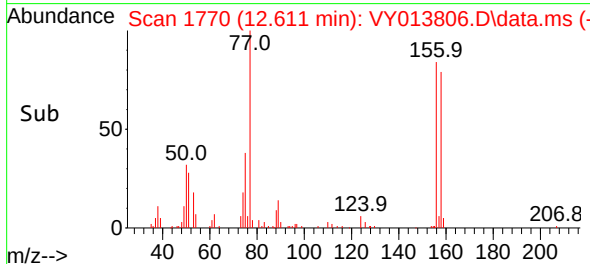
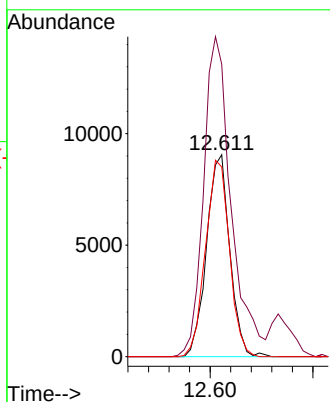
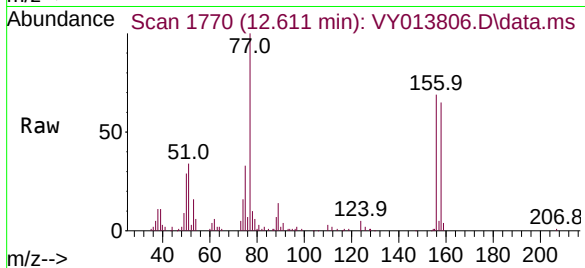
Tgt Ion:	156	Resp:	1422
Ion Ratio	Lower	Upper	
156	100		
77	187.9	97.1	291.3
158	100.0	49.1	147.3

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#78

n-propylbenzene

Concen: 4.795 ug/l

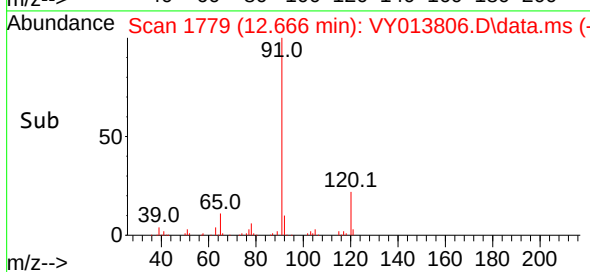
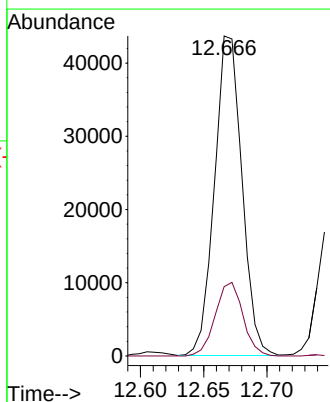
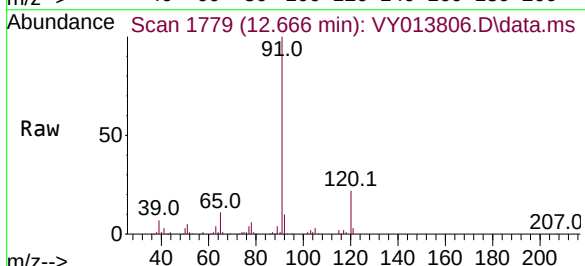
RT: 12.666 min Scan# 1779

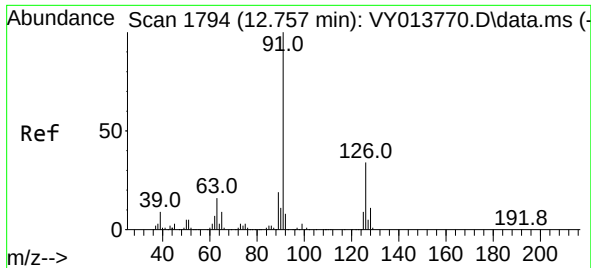
Delta R.T. -0.006 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Tgt Ion:	91	Resp:	65857
Ion Ratio	Lower	Upper	
91	100		
120	23.2	10.9	32.9





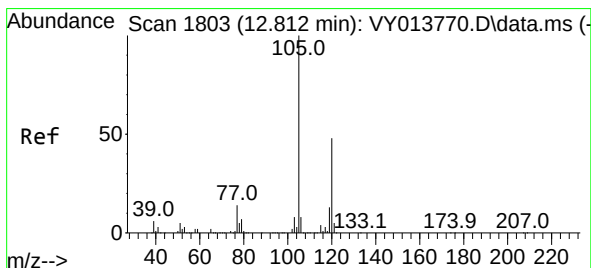
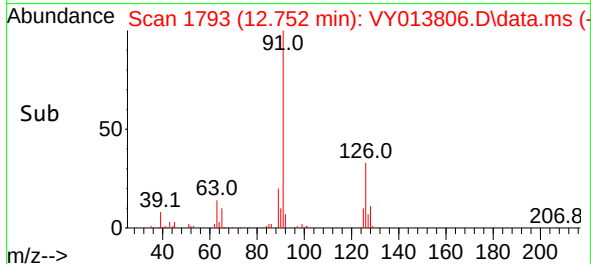
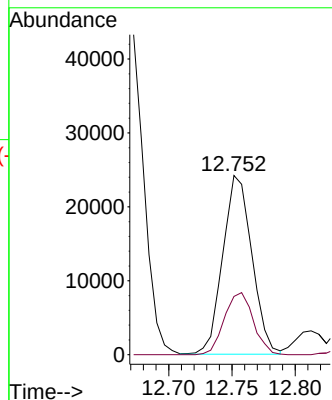
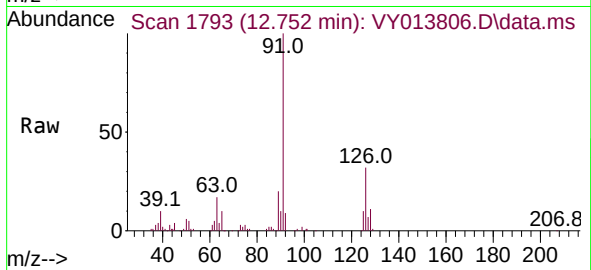
#79
2-Chlorotoluene
Concen: 5.001 ug/l
RT: 12.752 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion: 91 Resp: 38764
Ion Ratio Lower Upper
91 100
126 34.5 17.1 51.2

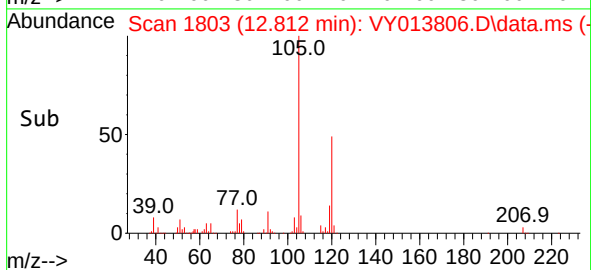
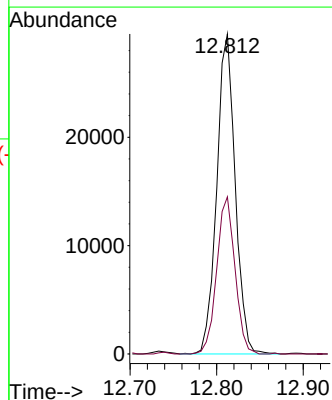
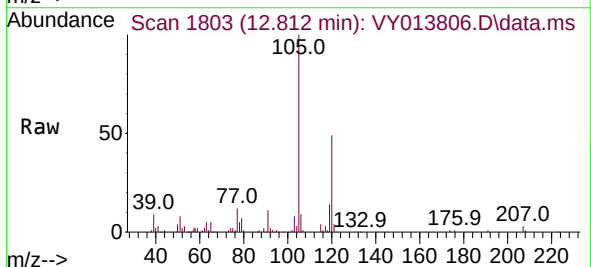
Manual Integrations
APPROVED

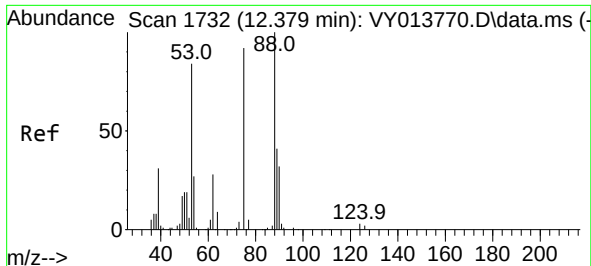
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#80
1,3,5-Trimethylbenzene
Concen: 4.810 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

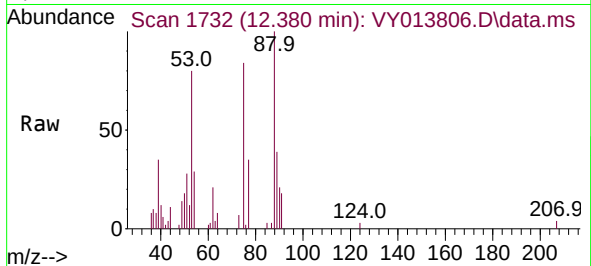
Tgt Ion:105 Resp: 43730
Ion Ratio Lower Upper
105 100
120 48.5 23.8 71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 4.387 ug/l
RT: 12.380 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

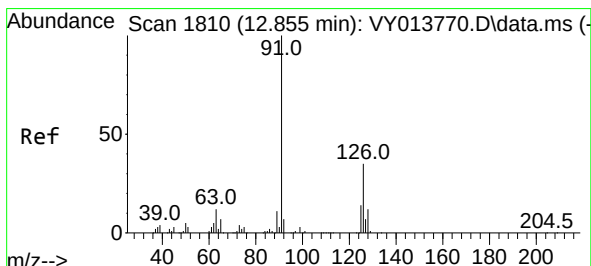
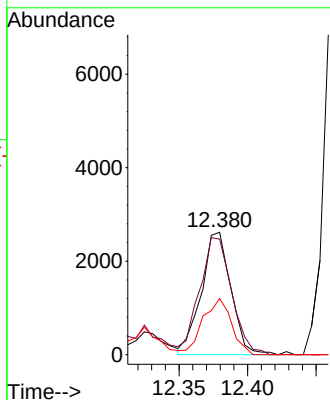
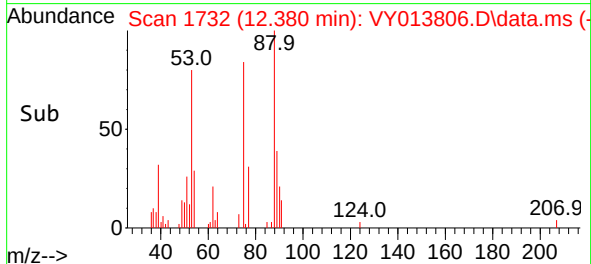
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 75 Resp: 3928
Ion Ratio Lower Upper
75 100
53 103.9 75.3 112.9
89 44.6 35.4 53.2

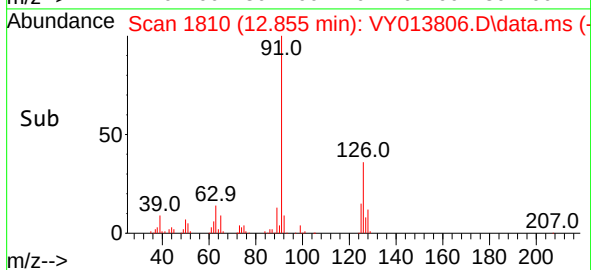
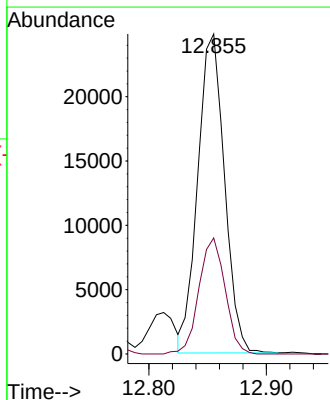
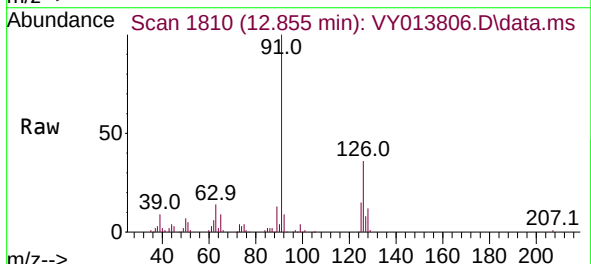
Manual Integrations
APPROVED

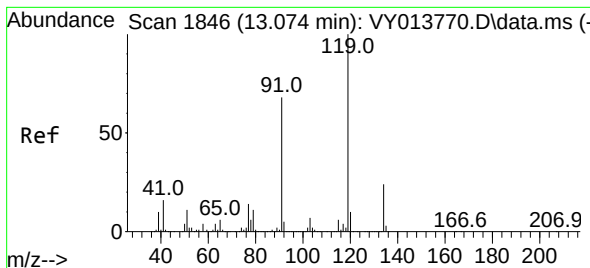
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#82
4-Chlorotoluene
Concen: 4.858 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion: 91 Resp: 39229
Ion Ratio Lower Upper
91 100
126 35.5 16.8 50.4





#83

tert-Butylbenzene

Concen: 4.856 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. 0.000 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2023

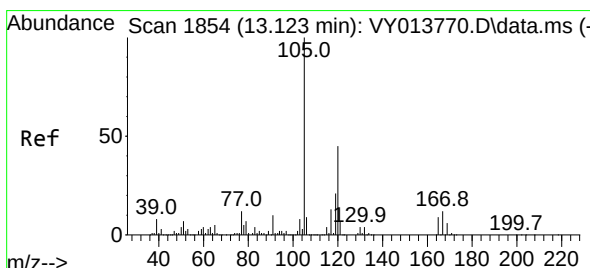
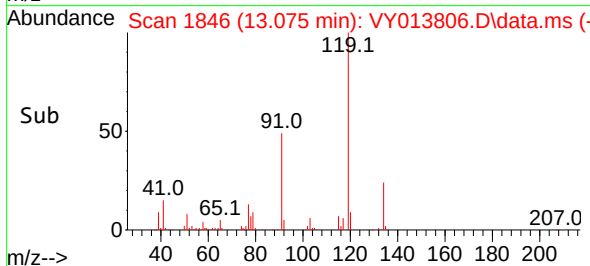
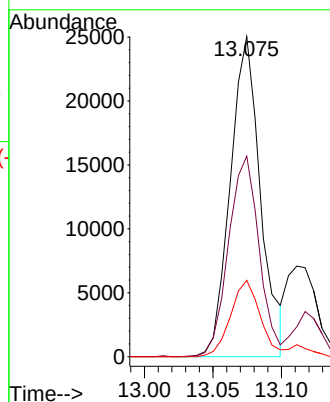
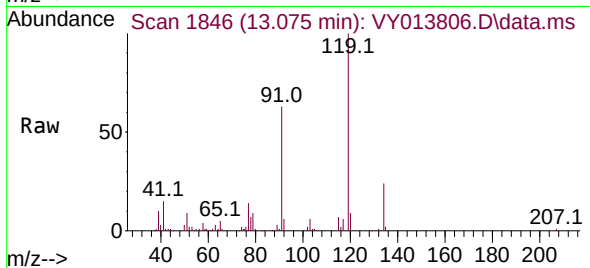
Tgt Ion:	119	Resp:	3844
Ion Ratio	Lower	Upper	
119	100		
91	63.4	33.3	99.9
134	23.3	13.1	39.1

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#84

1,2,4-Trimethylbenzene

Concen: 4.757 ug/l

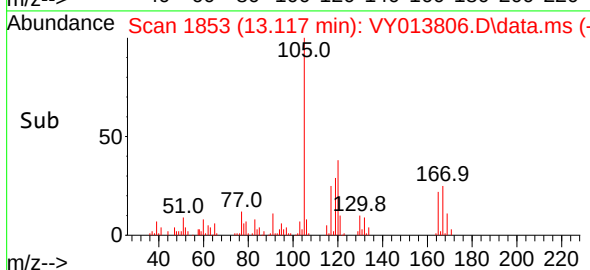
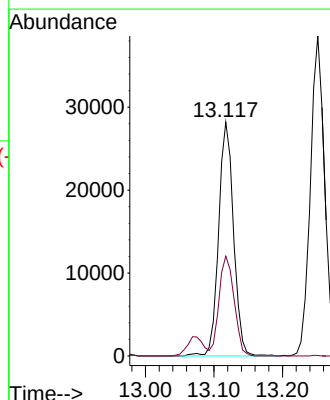
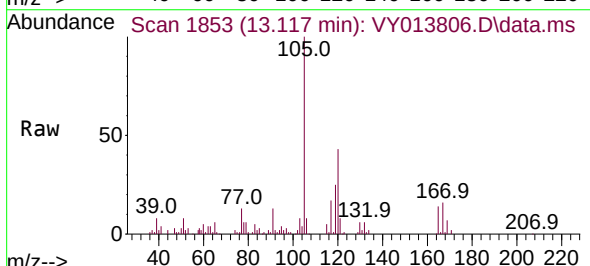
RT: 13.117 min Scan# 1853

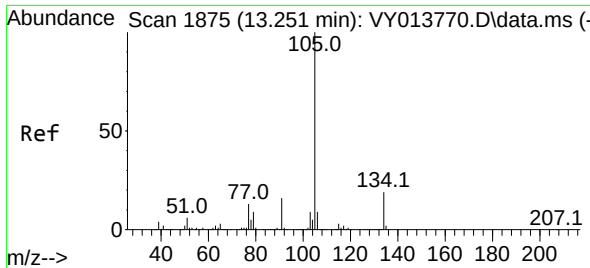
Delta R.T. -0.006 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

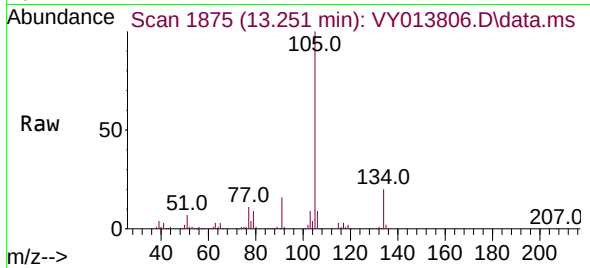
Tgt Ion:	105	Resp:	42387
Ion Ratio	Lower	Upper	
105	100		
120	43.1	22.2	66.6





#85
 sec-Butylbenzene
 Concen: 4.678 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY013806.D
 Acq: 18 May 2023 17:39

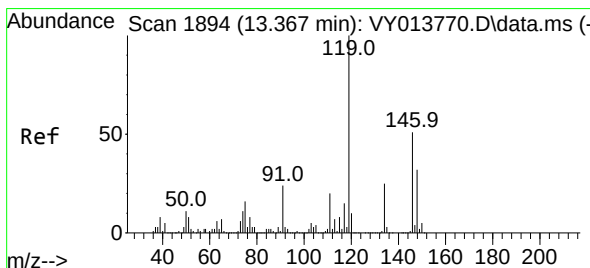
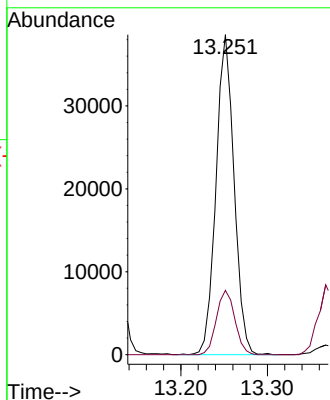
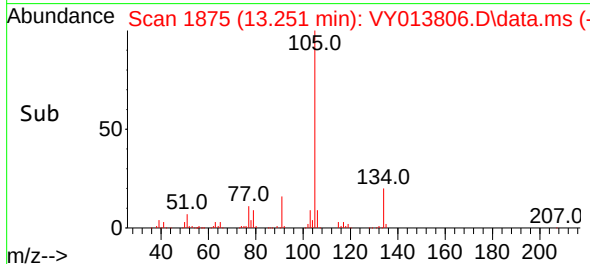
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023



Tgt Ion:105 Resp: 55880
 Ion Ratio Lower Upper
 105 100
 134 20.4 9.9 29.7

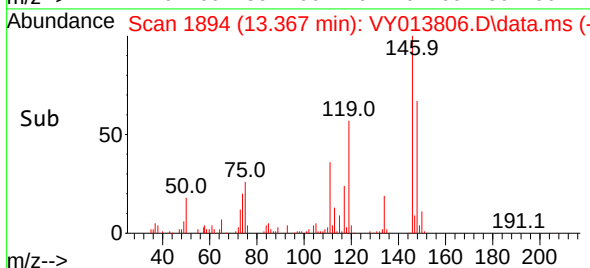
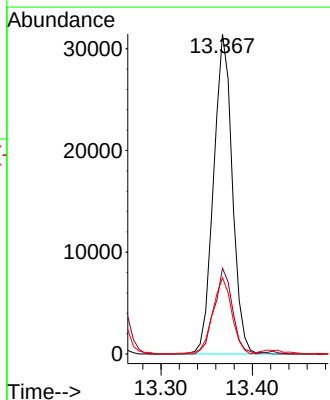
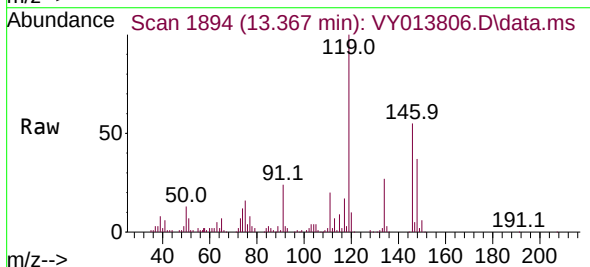
Manual Integrations
 APPROVED

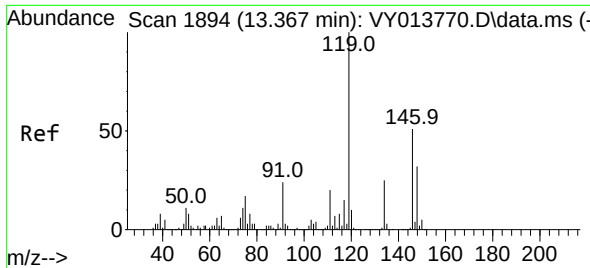
Reviewed By :Krupa Patel 05/19/2023
 Supervised By :Mahesh Dadoda 05/19/2023



#86
 p-Isopropyltoluene
 Concen: 4.643 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY013806.D
 Acq: 18 May 2023 17:39

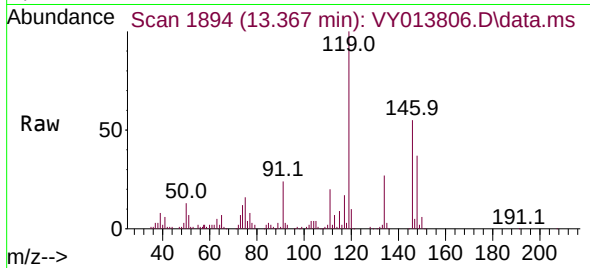
Tgt Ion:119 Resp: 44784
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.3
 91 24.6 11.8 35.4





#87
1,3-Dichlorobenzene
Concen: 5.274 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

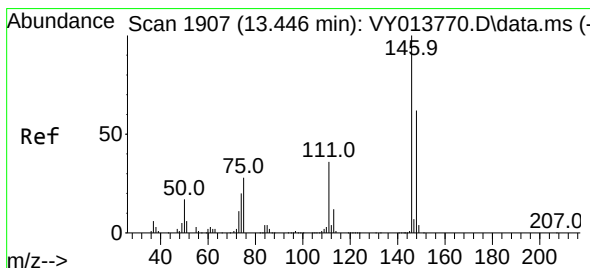
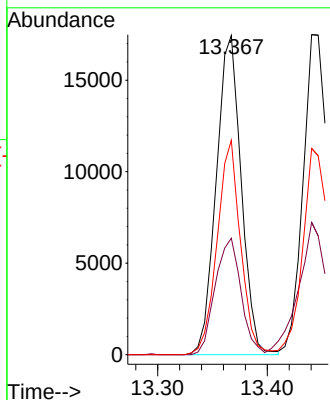
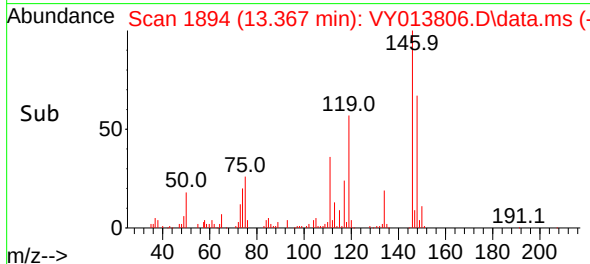
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023



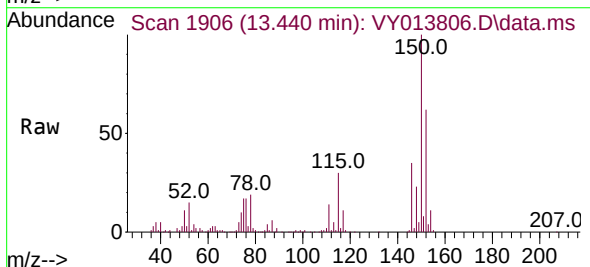
Tgt Ion:146 Resp: 2761
Ion Ratio Lower Upper
146 100
111 37.7 19.7 59.0
148 63.1 31.9 95.7

Manual Integrations
APPROVED

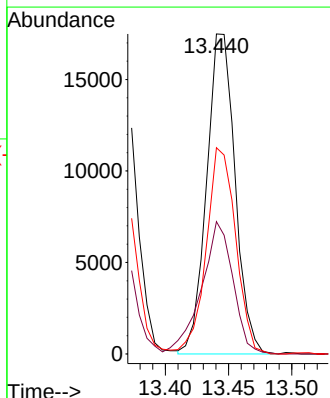
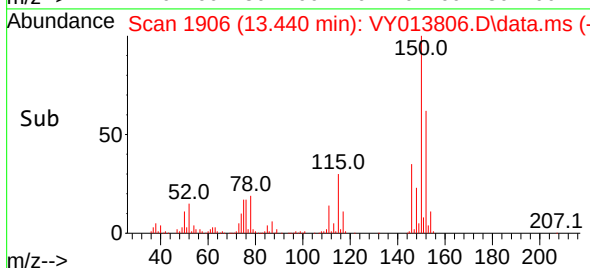
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023

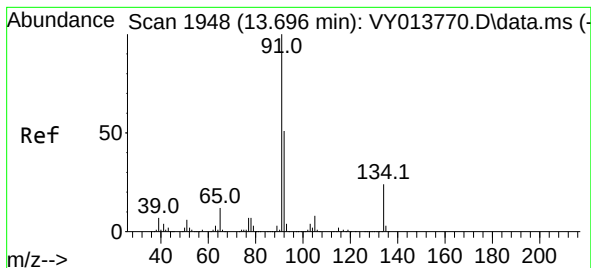


#88
1,4-Dichlorobenzene
Concen: 5.203 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39



Tgt Ion:146 Resp: 27396
Ion Ratio Lower Upper
146 100
111 45.8 18.9 56.7
148 66.6 31.6 94.7





#89

n-Butylbenzene

Concen: 4.572 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2023

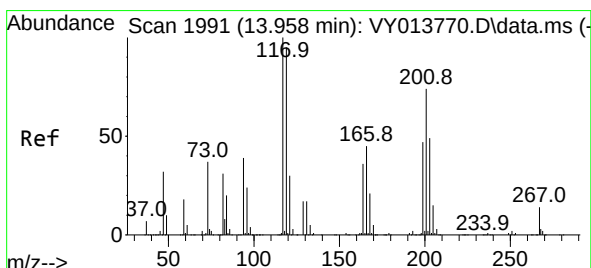
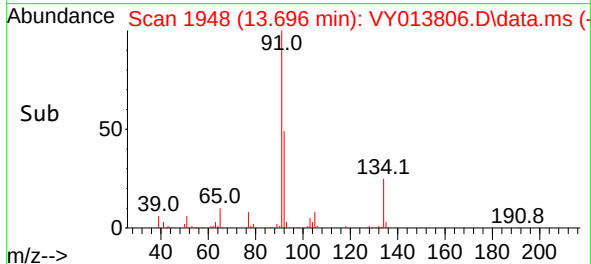
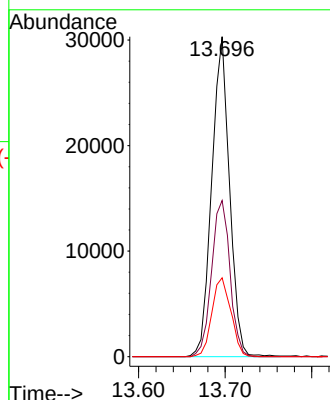
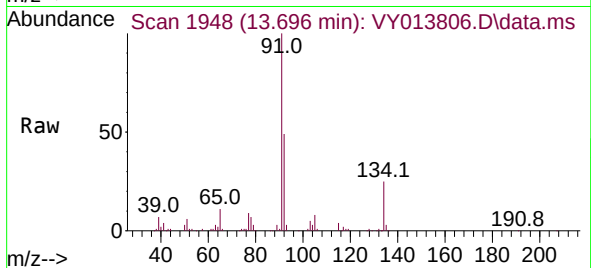
Tgt Ion:	91	Resp:	4323
Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.4	76.4
134	26.3	12.2	36.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#90

Hexachloroethane

Concen: 5.150 ug/l

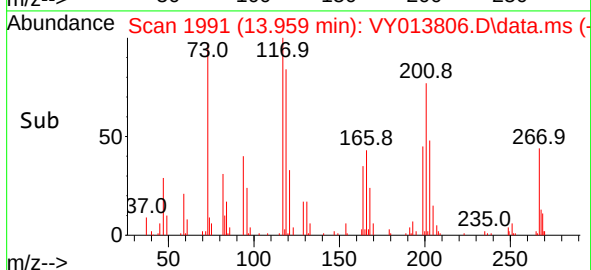
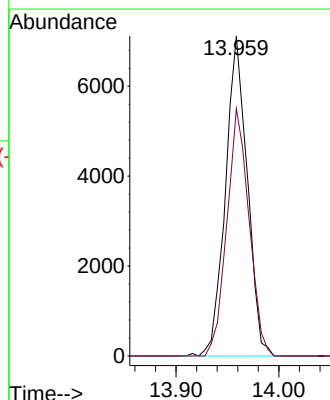
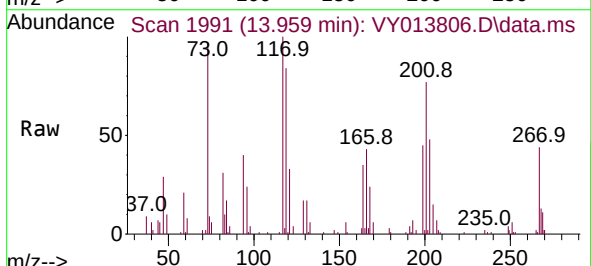
RT: 13.959 min Scan# 1991

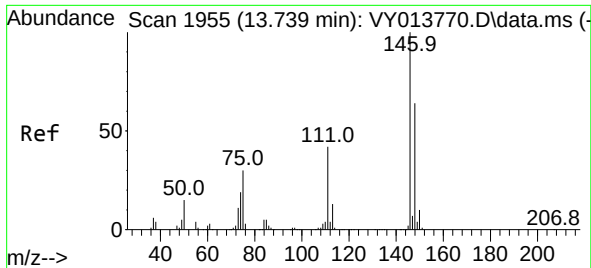
Delta R.T. 0.000 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Tgt Ion:	117	Resp:	10497
Ion	Ratio	Lower	Upper
117	100		
201	78.6	39.2	117.6





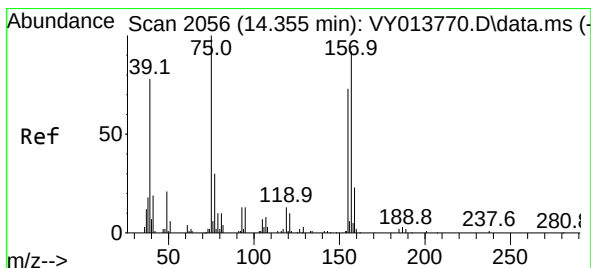
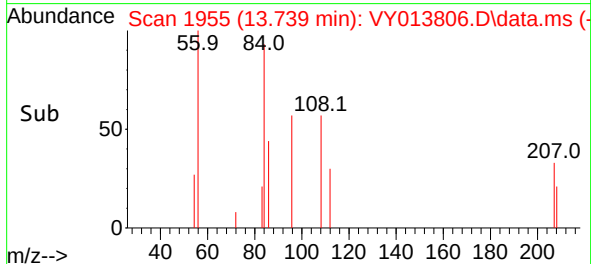
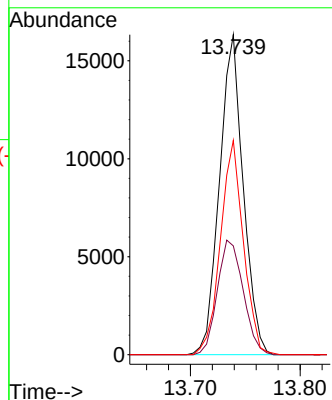
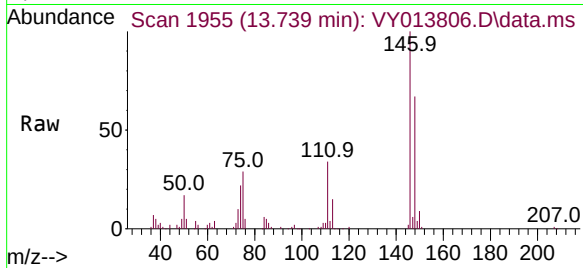
#91
1,2-Dichlorobenzene
Concen: 5.267 ug/l
RT: 13.739 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2023

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.0	59.9
148	64.7	31.9	95.5

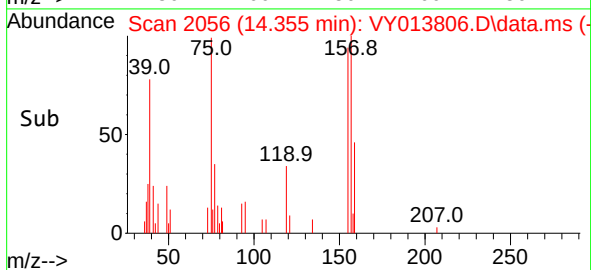
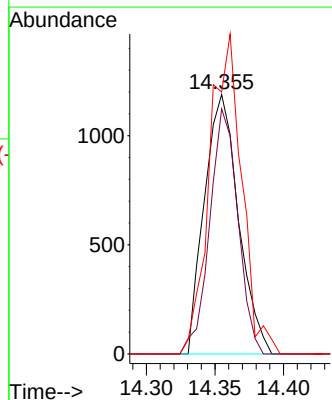
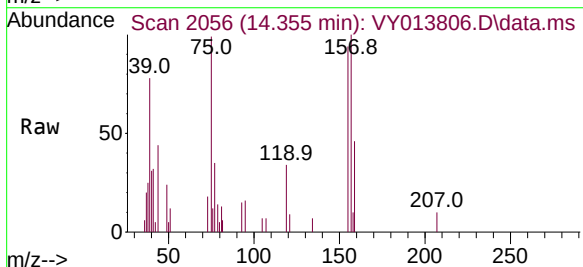
Manual Integrations
APPROVED

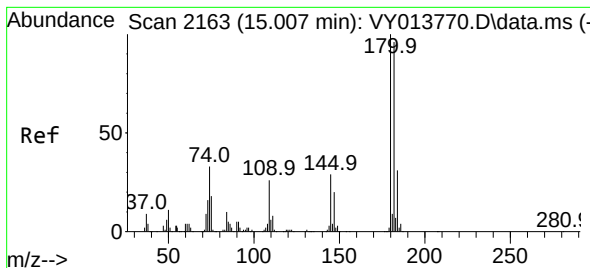
Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.797 ug/l
RT: 14.355 min Scan# 2056
Delta R.T. 0.000 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.1	39.1	117.3
157	116.5	50.2	150.7





#93

1,2,4-Trichlorobenzene

Concen: 4.668 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2023

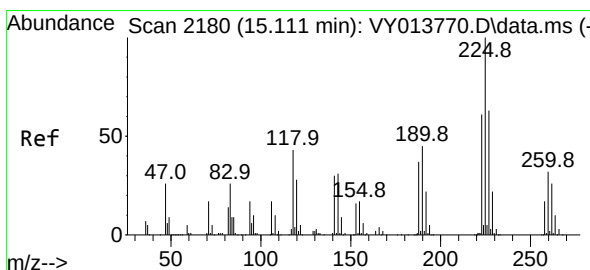
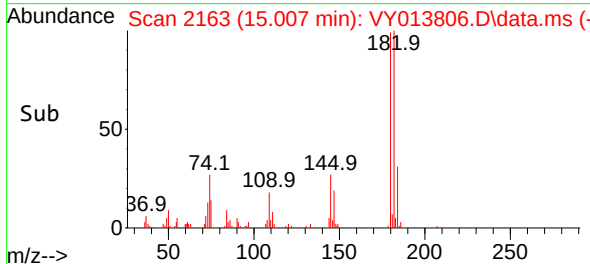
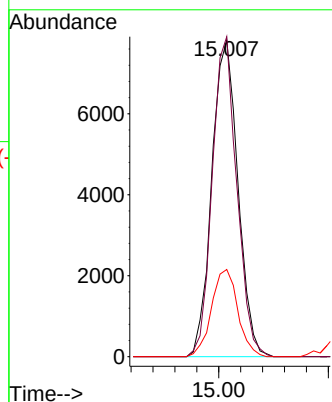
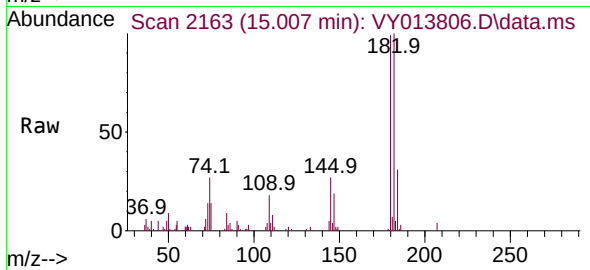
Tgt Ion:180	Resp:	12910
Ion Ratio	Lower	Upper
180	100	
182	94.8	47.4 142.3
145	27.8	14.9 44.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#94

Hexachlorobutadiene

Concen: 5.258 ug/l

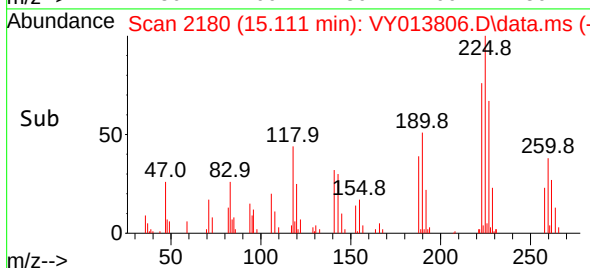
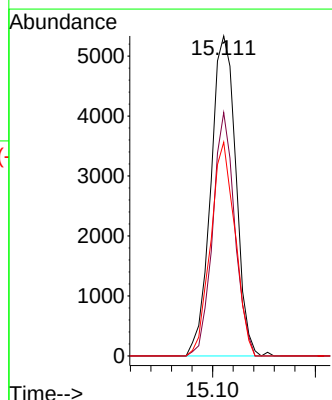
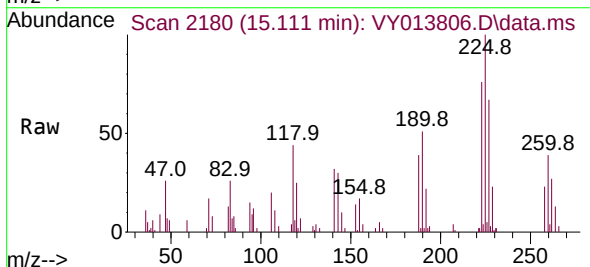
RT: 15.111 min Scan# 2180

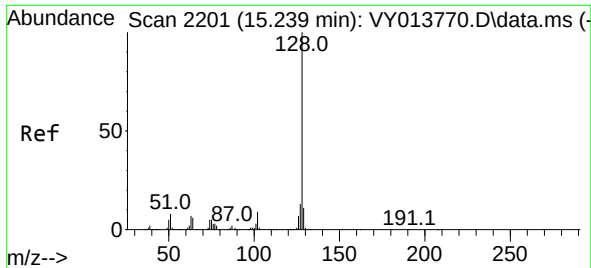
Delta R.T. 0.000 min

Lab File: VY013806.D

Acq: 18 May 2023 17:39

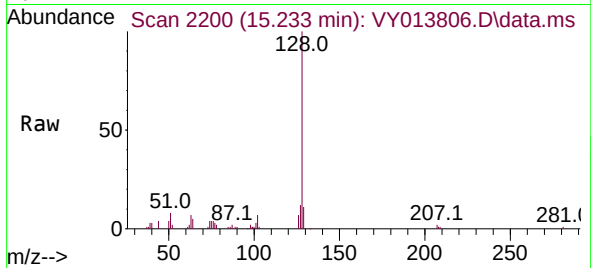
Tgt Ion:225	Resp:	9038
Ion Ratio	Lower	Upper
225	100	
223	66.7	30.6 91.6
227	64.8	31.6 94.7





#95
Naphthalene
Concen: 4.029 ug/l
RT: 15.233 min Scan# 2212
Delta R.T. -0.006 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39

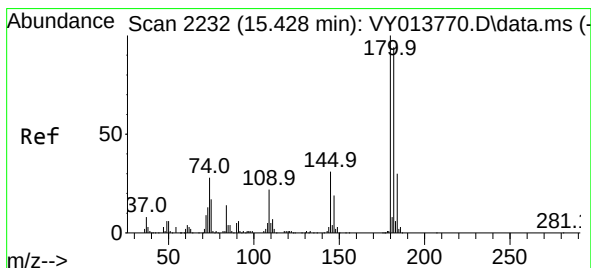
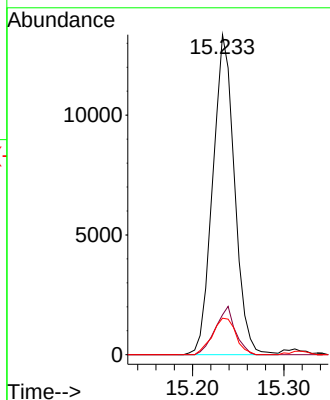
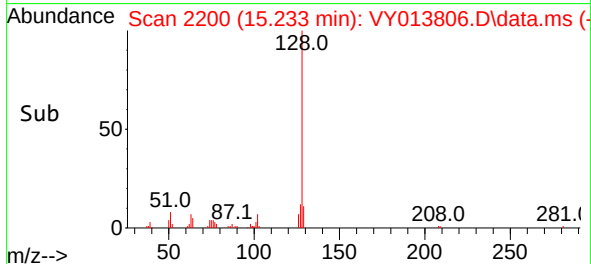
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2023



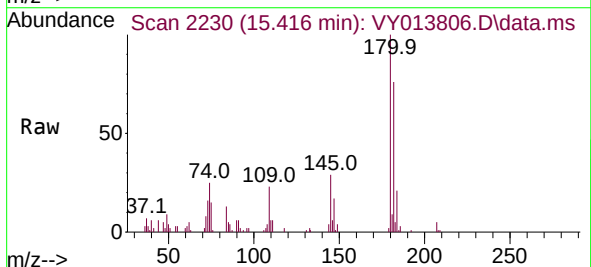
Tgt Ion:128 Resp: 22120
Ion Ratio Lower Upper
128 100
127 13.8 10.8 16.2
129 12.4 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#96
1,2,3-Trichlorobenzene
Concen: 4.527 ug/l
RT: 15.416 min Scan# 2230
Delta R.T. -0.012 min
Lab File: VY013806.D
Acq: 18 May 2023 17:39



Tgt Ion:180 Resp: 11271
Ion Ratio Lower Upper
180 100
182 91.4 47.8 143.4
145 30.6 15.6 46.7

