

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110323\
 Data File : VY016223.D
 Acq On : 03 Nov 2023 20:41
 Operator : SY/MD
 Sample : 04699-02 5.0 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023

Quant Time: Nov 03 23:09:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/06/2023
 Supervised By : Mahesh Dadoda 11/06/2023

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	150797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.710	114	251803	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	221686	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	101060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	75153	53.260	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.520%			
35) Dibromofluoromethane	7.740	113	70790	47.156	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.320%			
50) Toluene-d8	10.197	98	286094	48.068	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.140%			
62) 4-Bromofluorobenzene	12.495	95	94139	46.255	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	4361	4.534	ug/l	97
3) Chloromethane	2.125	50	5746	4.314	ug/l	98
4) Vinyl Chloride	2.259	62	6994	5.088	ug/l	94
5) Bromomethane	2.668	94	4720	5.088	ug/l	87
6) Chloroethane	2.808	64	4336	4.481	ug/l	95
7) Trichlorofluoromethane	3.143	101	10690	5.151	ug/l	91
8) Diethyl Ether	3.546	74	3396	4.938	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.918	101	5913	4.523	ug/l	98
10) Methyl Iodide	4.113	142	6621	4.555	ug/l	98
11) Tert butyl alcohol	4.985	59	3824	36.272	ug/l #	82
12) 1,1-Dichloroethene	3.899	96	5743	4.813	ug/l	85
13) Acrolein	3.741	56	2150	14.282	ug/l	94
14) Allyl chloride	4.503	41	8919	5.226	ug/l	96
15) Acrylonitrile	5.192	53	7707	26.223	ug/l	93
16) Acetone	3.966	43	6892	12.469	ug/l	95
17) Carbon Disulfide	4.216	76	12734	4.275	ug/l	97
18) Methyl Acetate	4.497	43	6038	5.321	ug/l #	89
19) Methyl tert-butyl Ether	5.247	73	17369	5.117	ug/l	96
20) Methylene Chloride	4.741	84	13563	6.820	ug/l	92
21) trans-1,2-Dichloroethene	5.247	96	6563	4.722	ug/l	91
22) Diisopropyl ether	6.143	45	21162	5.126	ug/l	93
23) Vinyl Acetate	6.088	43	47267	23.320	ug/l	96
24) 1,1-Dichloroethane	6.045	63	12989	5.257	ug/l	97
25) 2-Butanone	7.015	43	9455	24.287	ug/l	100
26) 2,2-Dichloropropane	7.009	77	11249	4.816	ug/l	98
27) cis-1,2-Dichloroethene	7.015	96	8306	5.078	ug/l	92
28) Bromochloromethane	7.356	49	4385	4.743	ug/l #	89
29) Tetrahydrofuran	7.374	42	5998	24.579	ug/l	89
30) Chloroform	7.527	83	16668	6.197	ug/l	94
31) Cyclohexane	7.807	56	12058	5.559	ug/l #	63
32) 1,1,1-Trichloroethane	7.722	97	12340	5.002	ug/l	98
36) 1,1-Dichloropropene	7.941	75	10453	4.822	ug/l	97
37) Ethyl Acetate	7.100	43	4001	4.144	ug/l #	97
38) Carbon Tetrachloride	7.923	117	10538	4.907	ug/l	91
39) Methylcyclohexane	9.203	83	11245	4.346	ug/l	90
40) Benzene	8.179	78	29199	4.692	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	2607m	4.652	ug/l	
42) 1,2-Dichloroethane	8.258	62	8741	5.033	ug/l	88
43) Isopropyl Acetate	8.289	43	9156	4.794	ug/l	92
44) Trichloroethene	8.959	130	8698	4.776	ug/l	91
45) 1,2-Dichloropropane	9.234	63	7224	4.825	ug/l #	86
46) Dibromomethane	9.319	93	4014	4.727	ug/l	97
47) Bromodichloromethane	9.514	83	11999	5.561	ug/l	95
48) Methyl methacrylate	9.313	41	4063	4.679	ug/l	93
49) 1,4-Dioxane	9.313	88	964	Below Cal	#	58
51) 4-Methyl-2-Pentanone	10.087	43	23192	24.338	ug/l	93
52) Toluene	10.264	92	19850	4.922	ug/l	97
53) t-1,3-Dichloropropene	10.484	75	10117	4.697	ug/l	91
54) cis-1,3-Dichloropropene	9.947	75	11963	4.733	ug/l #	87
55) 1,1,2-Trichloroethane	10.660	97	5807	4.861	ug/l	93
56) Ethyl methacrylate	10.526	69	6805	4.386	ug/l	87
57) 1,3-Dichloropropane	10.807	76	9889	4.863	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.801	63	17859	23.740	ug/l	90
59) 2-Hexanone	10.849	43	14465	22.152	ug/l	86
60) Dibromochloromethane	10.996	129	7385	4.928	ug/l	99
61) 1,2-Dibromoethane	11.105	107	5457	4.803	ug/l	91
64) Tetrachloroethene	10.734	164	8988	4.558	ug/l	93
65) Chlorobenzene	11.532	112	21120	4.795	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.605	131	7963	4.881	ug/l	96
67) Ethyl Benzene	11.605	91	36177	4.592	ug/l	99
68) m/p-Xylenes	11.715	106	28025	9.206	ug/l	93
69) o-Xylene	12.044	106	13114	4.512	ug/l	95
70) Styrene	12.056	104	20669	4.278	ug/l	98
71) Bromoform	12.221	173	4213	4.655	ug/l #	100
73) Isopropylbenzene	12.343	105	35179	4.641	ug/l	98
74) N-amyl acetate	12.154	43	7089	4.303	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.599	83	6480	5.372	ug/l	95
76) 1,2,3-Trichloropropane	12.648	75	4367m	4.589	ug/l	
77) Bromobenzene	12.623	156	8484	4.943	ug/l	92
78) n-propylbenzene	12.684	91	41554	4.636	ug/l	99
79) 2-Chlorotoluene	12.770	91	23501	4.701	ug/l	98
80) 1,3,5-Trimethylbenzene	12.825	105	28198	4.591	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.398	75	2067	4.709	ug/l	85
82) 4-Chlorotoluene	12.867	91	24983	4.867	ug/l	100
83) tert-Butylbenzene	13.087	119	25399	4.622	ug/l	98
84) 1,2,4-Trimethylbenzene	13.136	105	27737	4.564	ug/l	98
85) sec-Butylbenzene	13.270	105	37946	4.705	ug/l	97
86) p-Isopropyltoluene	13.379	119	30768	4.603	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	15784	4.649	ug/l	98
88) 1,4-Dichlorobenzene	13.459	146	15748	4.693	ug/l	90
89) n-Butylbenzene	13.709	91	27775	4.522	ug/l	96
90) Hexachloroethane	13.971	117	5672	4.924	ug/l	95
91) 1,2-Dichlorobenzene	13.751	146	14504	4.945	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	1159	5.369	ug/l	80
93) 1,2,4-Trichlorobenzene	15.019	180	7816	4.317	ug/l	98
94) Hexachlorobutadiene	15.129	225	4861	4.914	ug/l	95
95) Naphthalene	15.251	128	14674	4.172	ug/l	96
96) 1,2,3-Trichlorobenzene	15.434	180	6621	4.281	ug/l	98

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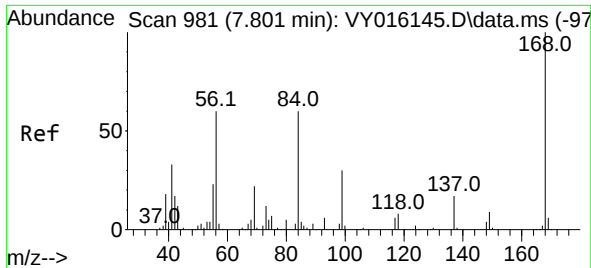
Manual Integrations
APPROVED

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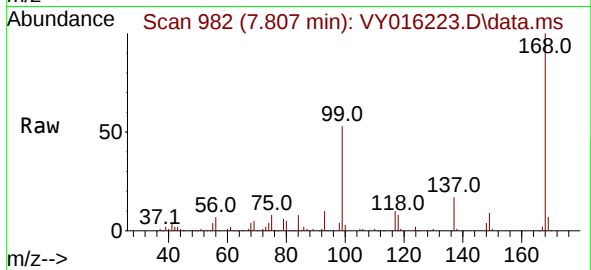
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016223.D
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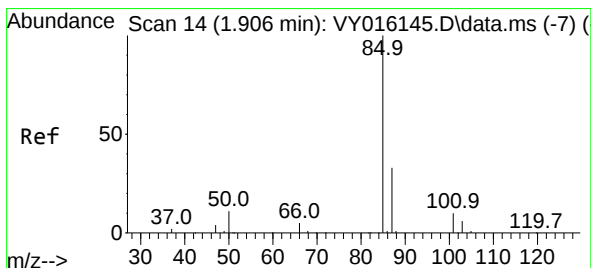
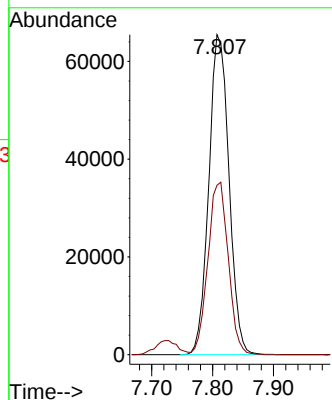
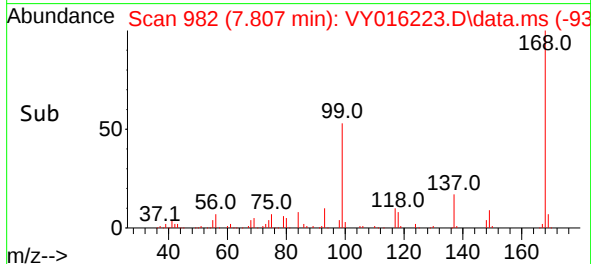
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:168 Resp: 15079
Ion Ratio Lower Upper
168 100
99 53.0 43.4 65.0

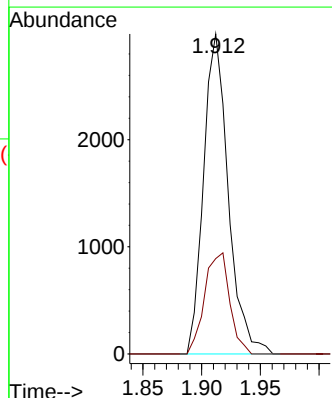
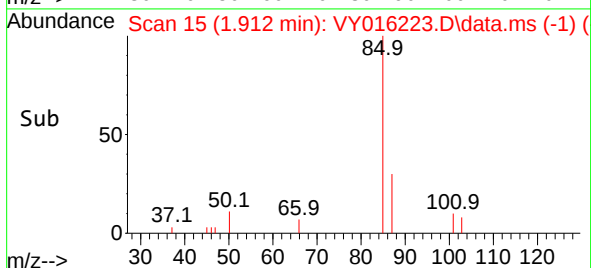
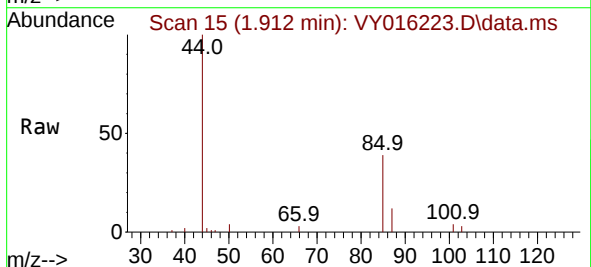
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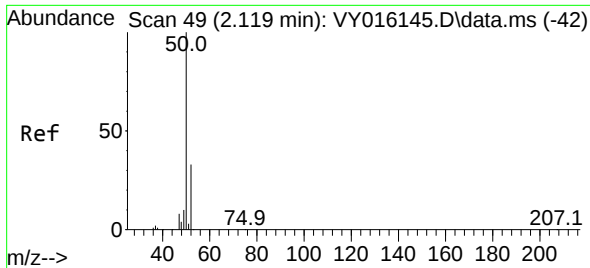
Reviewed By :John Carlone 11/06/2023
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#2
Dichlorodifluoromethane
Concen: 4.534 ug/l
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

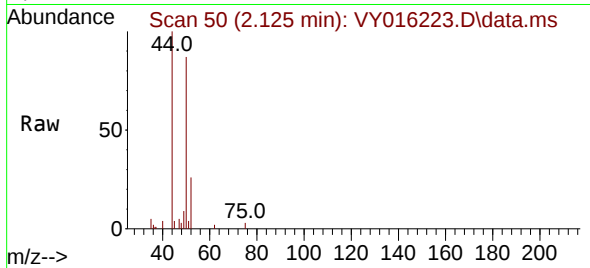
Tgt Ion: 85 Resp: 4361
Ion Ratio Lower Upper
85 100
87 29.8 15.6 46.8





#3
Chloromethane
Concen: 4.314 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

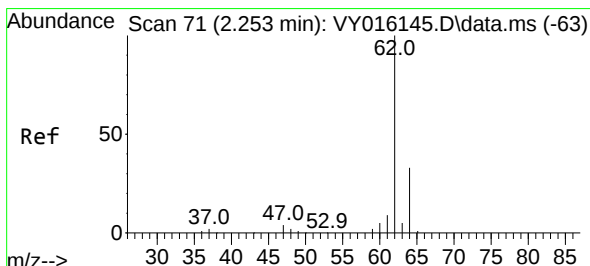
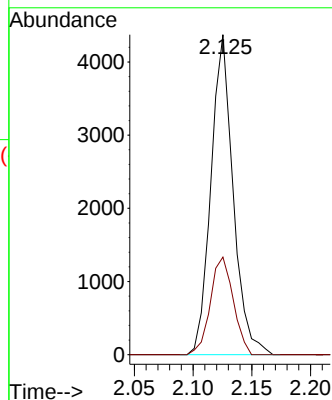
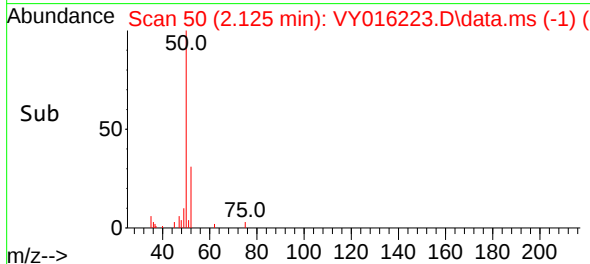
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Tgt Ion: 50 Resp: 5740
Ion Ratio Lower Upper
50 100
52 30.5 25.4 38.2

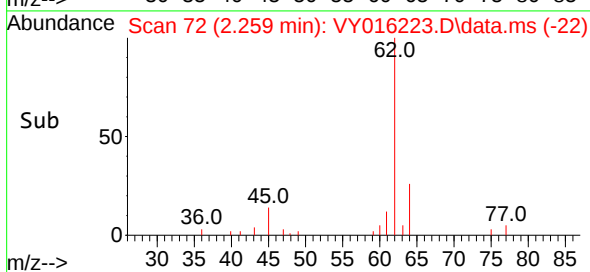
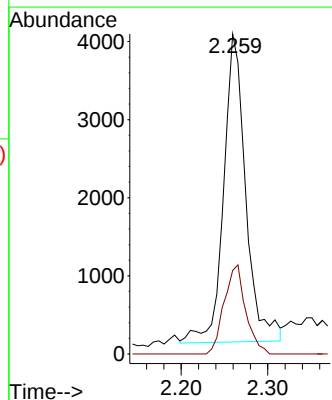
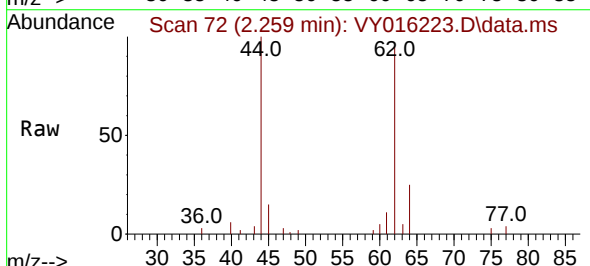
Manual Integrations
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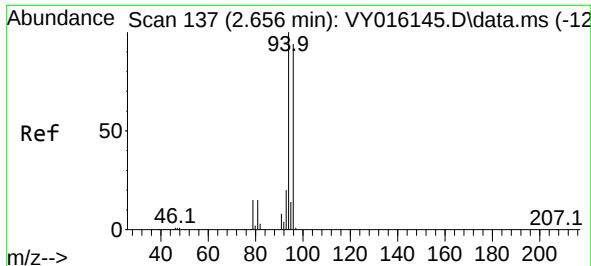
Reviewed By :John Carlone 11/06/2023
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#4
Vinyl Chloride
Concen: 5.088 ug/l
RT: 2.259 min Scan# 72
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

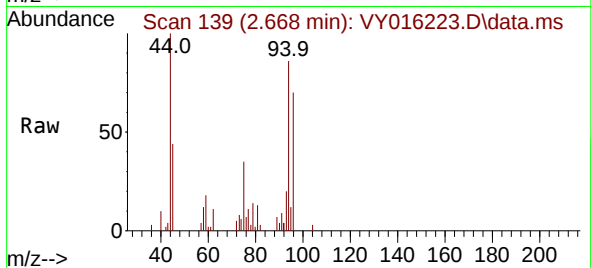
Tgt Ion: 62 Resp: 6994
Ion Ratio Lower Upper
62 100
64 27.2 24.3 36.5





#5
Bromomethane
Concen: 5.088 ug/l
RT: 2.668 min Scan# 111
Delta R.T. 0.012 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

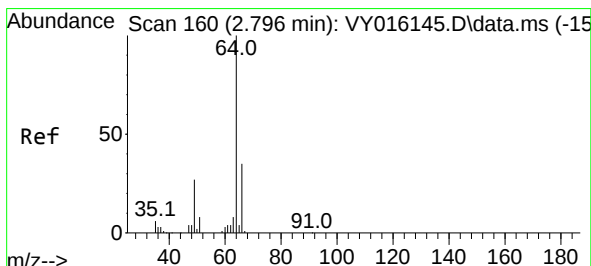
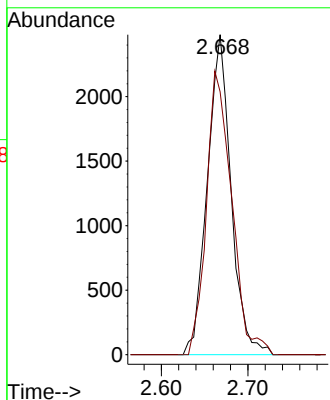
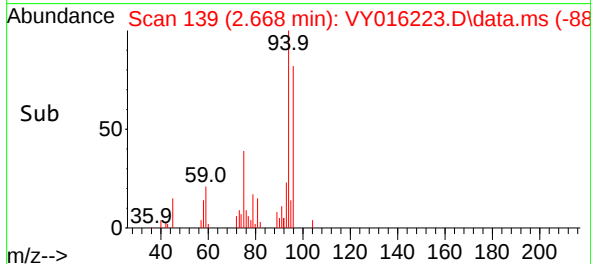
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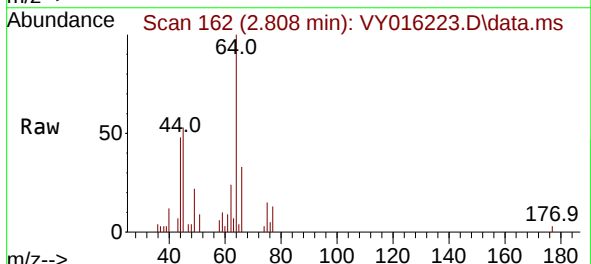
Tgt Ion: 94 Resp: 4720
Ion Ratio Lower Upper
94 100
96 82.1 75.8 113.6

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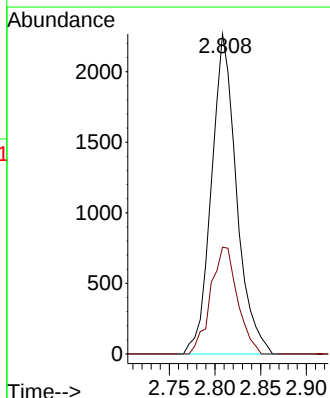
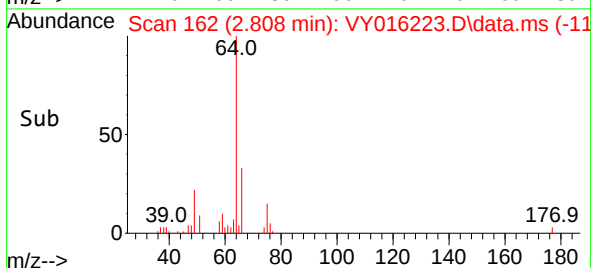
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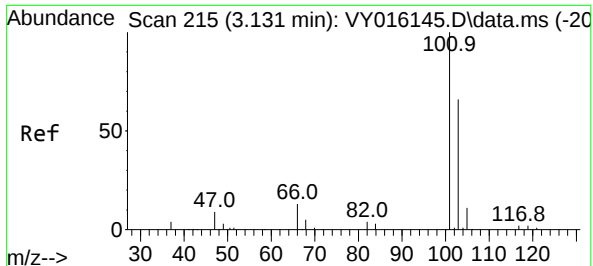


#6
Chloroethane
Concen: 4.481 ug/l
RT: 2.808 min Scan# 162
Delta R.T. 0.012 min
Lab File: VY016223.D
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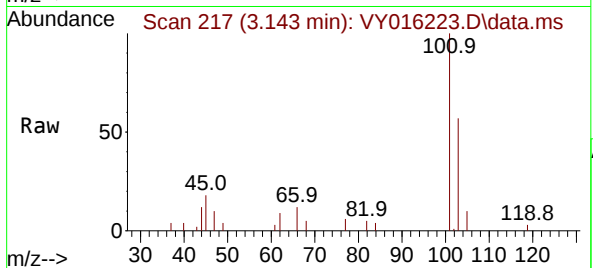
Tgt Ion: 64 Resp: 4336
Ion Ratio Lower Upper
64 100
66 33.3 24.4 36.6





#7
Trichlorofluoromethane
Concen: 5.151 ug/l
RT: 3.143 min Scan# 215
Delta R.T. 0.012 min
Lab File: VY016223.D
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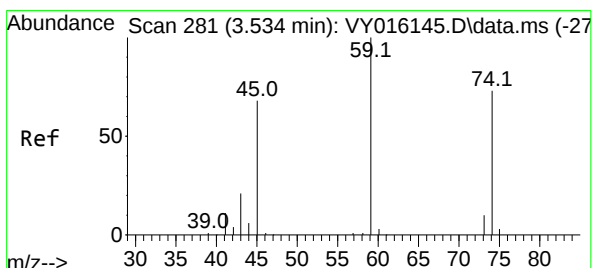
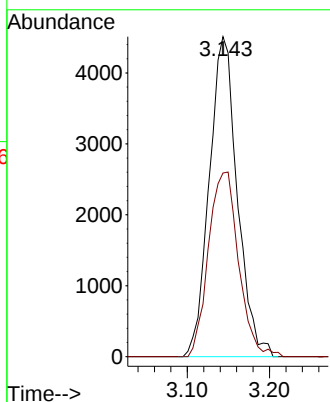
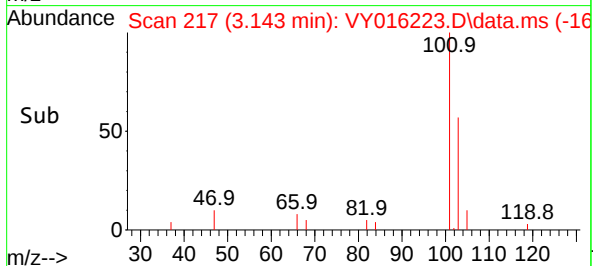
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Tgt Ion:101 Resp: 10690
Ion Ratio Lower Upper
101 100
103 57.4 51.4 77.0

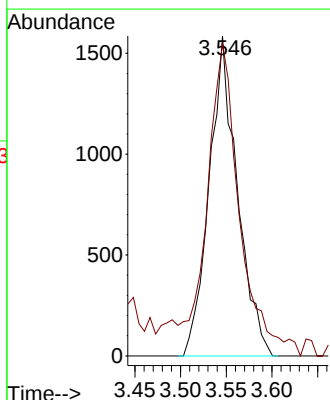
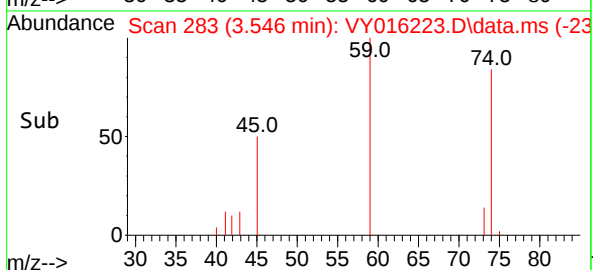
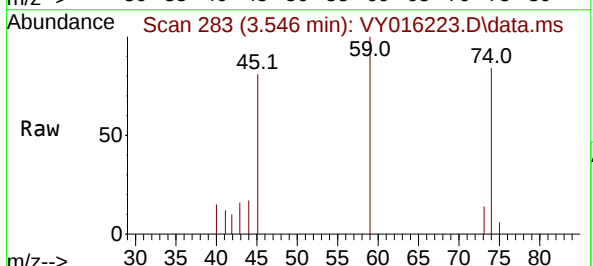
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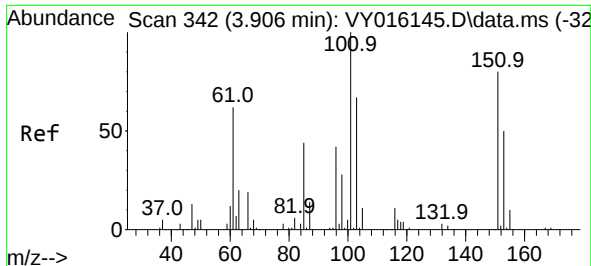
Reviewed By :John Carlone 11/06/2023
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#8
Diethyl Ether
Concen: 4.938 ug/l
RT: 3.546 min Scan# 283
Delta R.T. 0.012 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Tgt Ion: 74 Resp: 3396
Ion Ratio Lower Upper
74 100
45 112.9 51.5 154.5





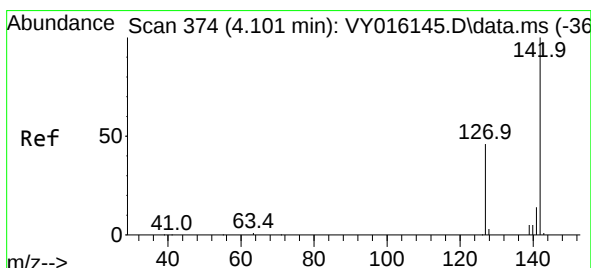
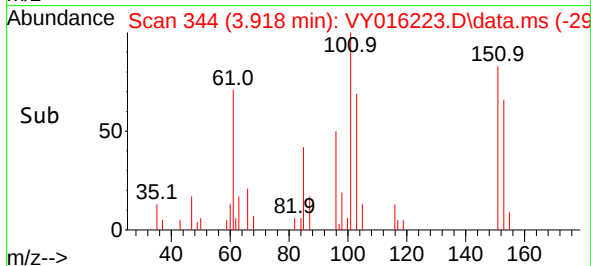
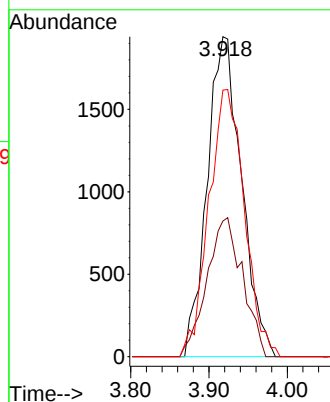
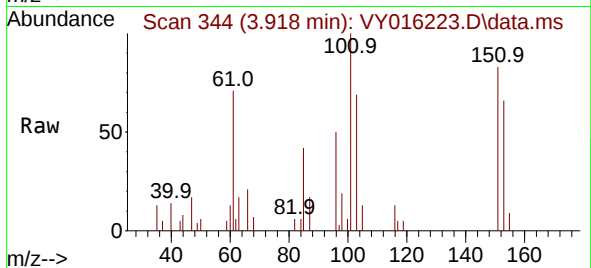
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.523 ug/l
RT: 3.918 min Scan# 342
Delta R.T. 0.012 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:101 Resp: 591
Ion Ratio Lower Upper
101 100
85 45.0 36.6 55.0
151 86.4 67.0 100.6

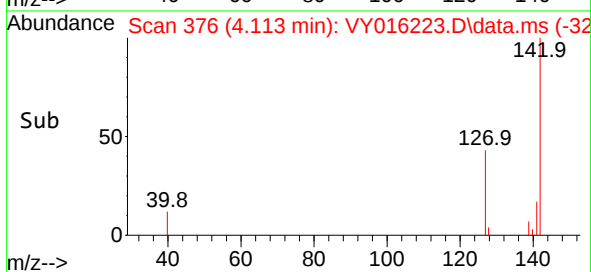
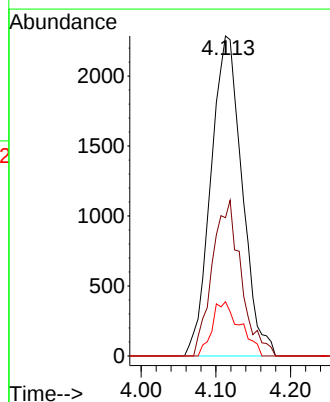
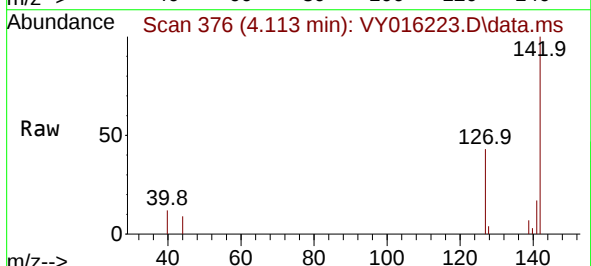
Manual Integrations
APPROVED

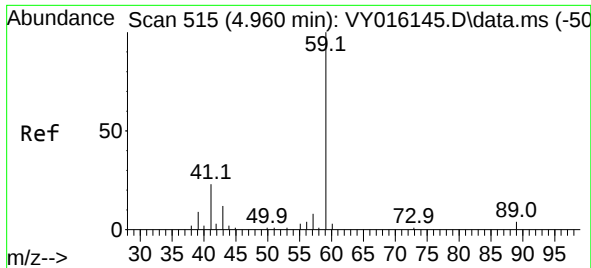
Reviewed By :John Carbone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#10
Methyl Iodide
Concen: 4.555 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.012 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

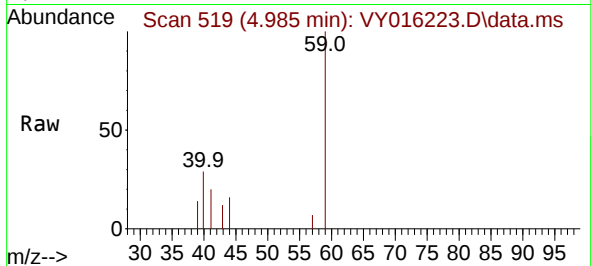
Tgt Ion:142 Resp: 6621
Ion Ratio Lower Upper
142 100
127 45.1 37.6 56.4
141 15.3 11.8 17.8





#11
Tert butyl alcohol
Concen: 36.272 ug/l
RT: 4.985 min Scan# 515
Delta R.T. 0.024 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

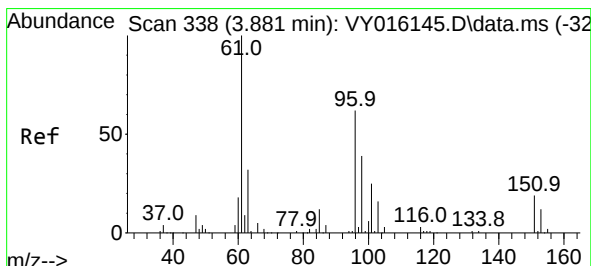
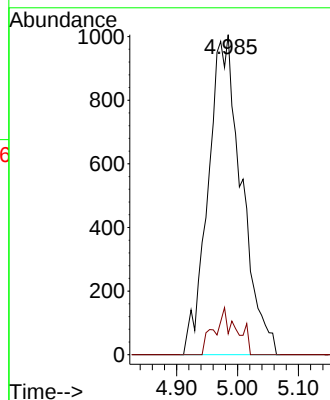
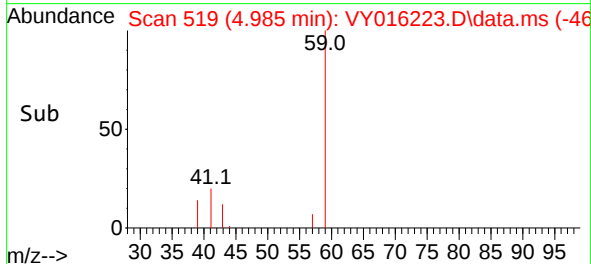
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023



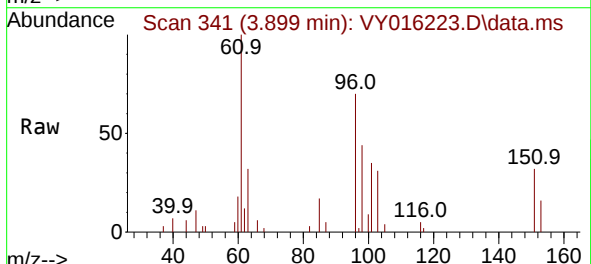
Tgt Ion: 59 Resp: 3824
Ion Ratio Lower Upper
59 100
57 9.7 3.0 4.4

Manual Integrations
APPROVED

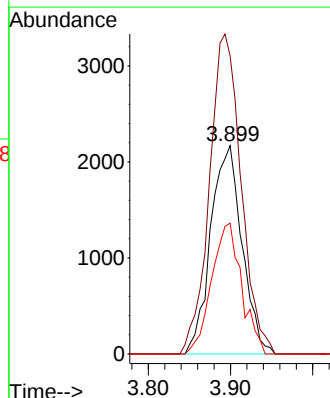
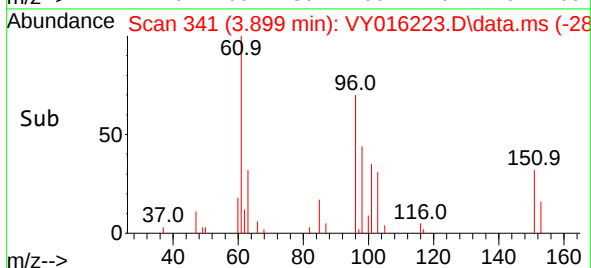
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023

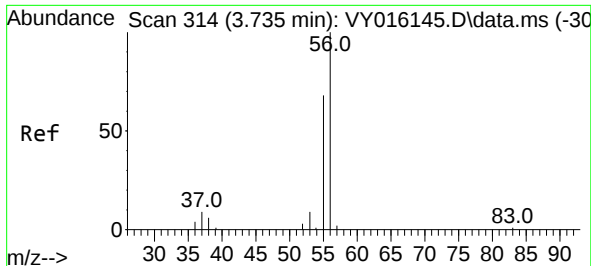


#12
1,1-Dichloroethene
Concen: 4.813 ug/l
RT: 3.899 min Scan# 341
Delta R.T. 0.018 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41



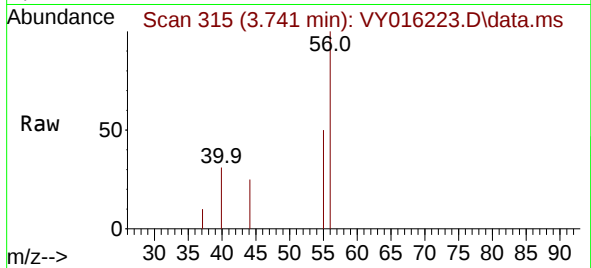
Tgt Ion: 96 Resp: 5743
Ion Ratio Lower Upper
96 100
61 143.2 136.4 204.6
98 62.9 49.4 74.2





#13
Acrolein
Concen: 14.282 ug/l
RT: 3.741 min Scan# 314
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

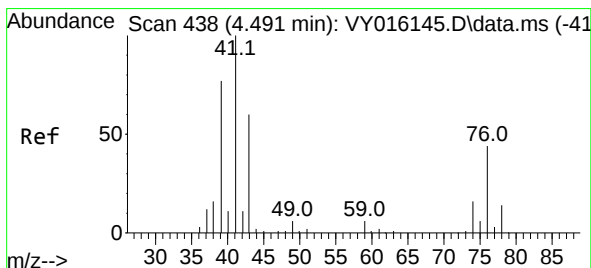
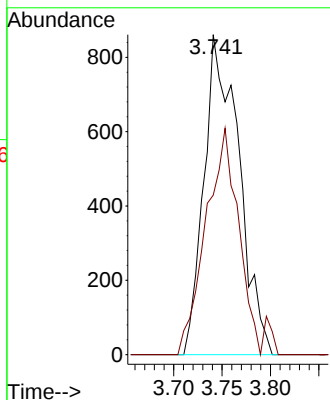
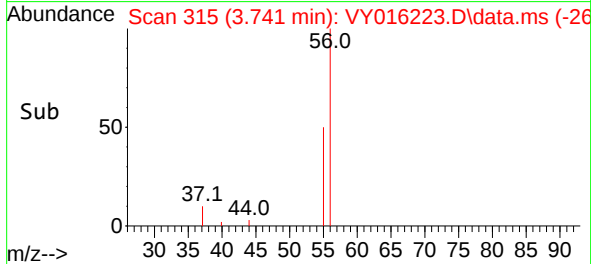
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 56 Resp: 2150
Ion Ratio Lower Upper
56 100
55 66.4 57.0 85.4

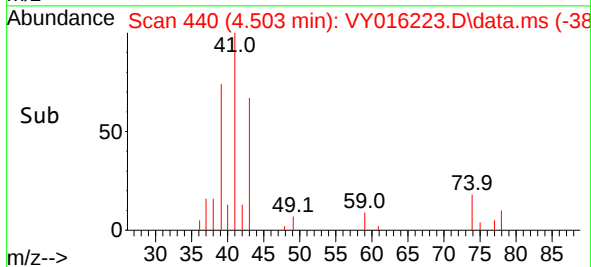
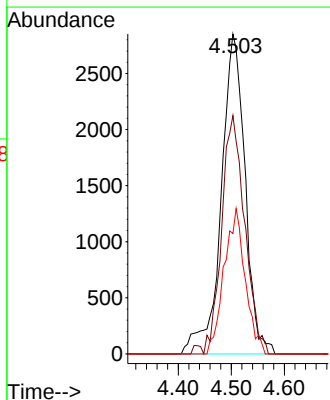
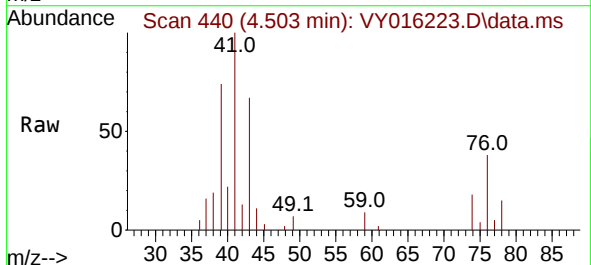
Manual Integrations
APPROVED

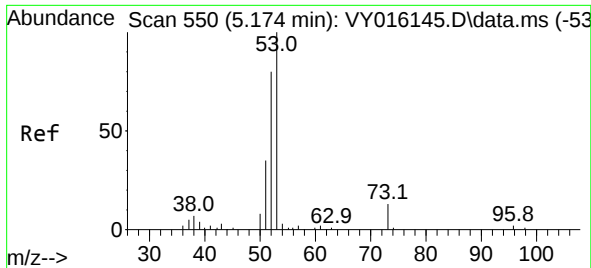
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#14
Allyl chloride
Concen: 5.226 ug/l
RT: 4.503 min Scan# 440
Delta R.T. 0.012 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

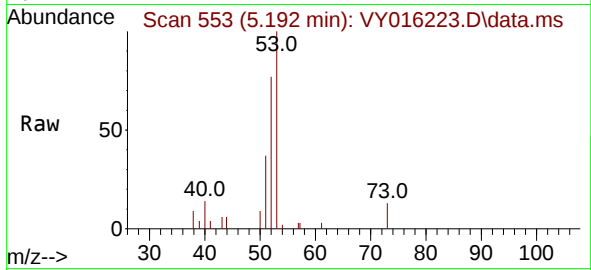
Tgt Ion: 41 Resp: 8919
Ion Ratio Lower Upper
41 100
39 71.7 58.0 87.0
76 40.2 27.4 41.2





#15
Acrylonitrile
Concen: 26.223 ug/l
RT: 5.192 min Scan# 51
Delta R.T. 0.018 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

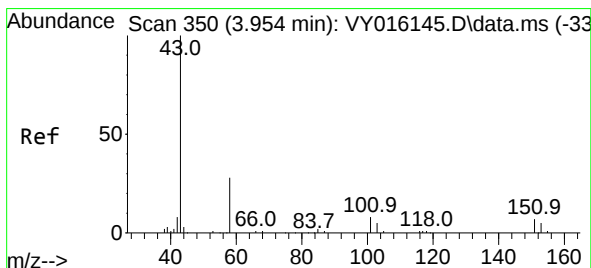
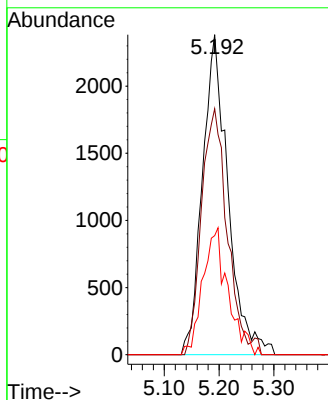
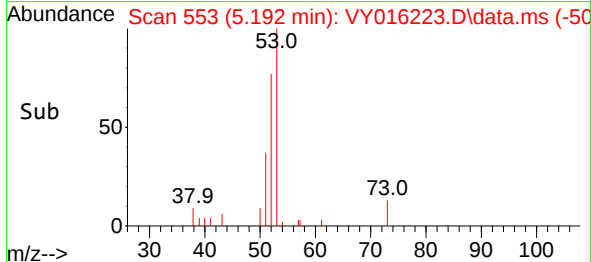
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 53 Resp: 770
Ion Ratio Lower Upper
53 100
52 76.2 66.9 100.3
51 39.3 29.8 44.6

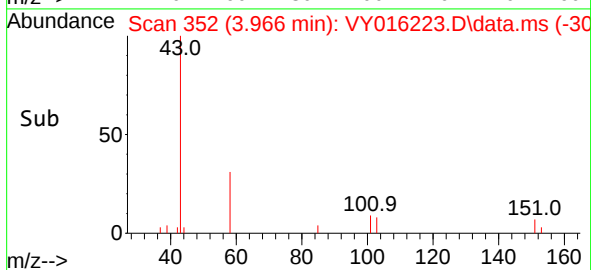
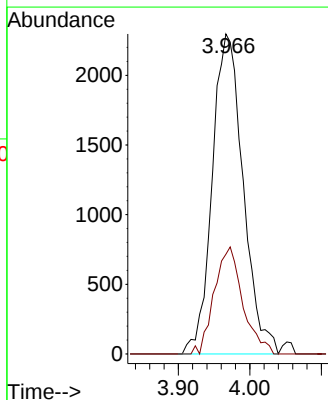
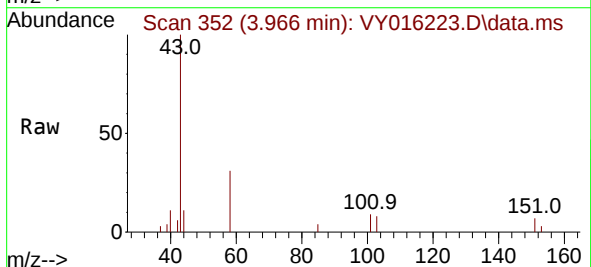
Manual Integrations
APPROVED

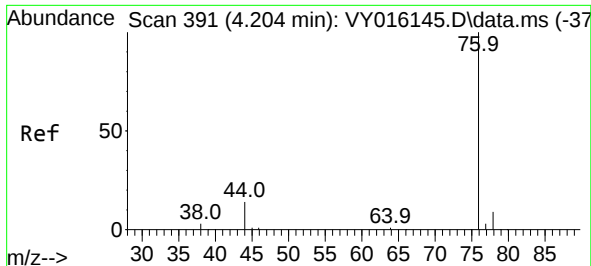
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#16
Acetone
Concen: 12.469 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Tgt Ion: 43 Resp: 6892
Ion Ratio Lower Upper
43 100
58 31.1 22.7 34.1





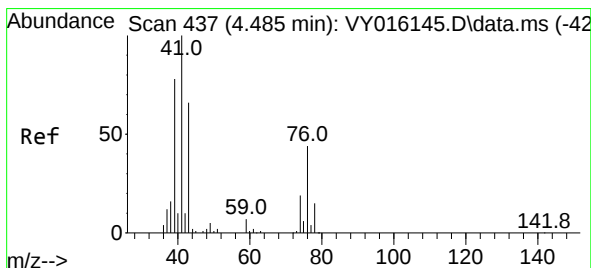
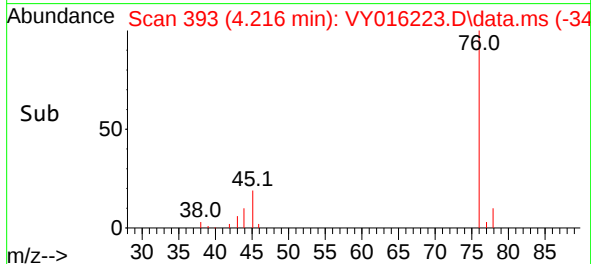
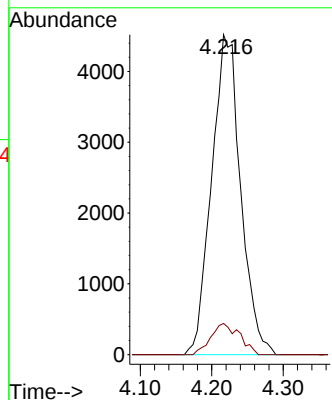
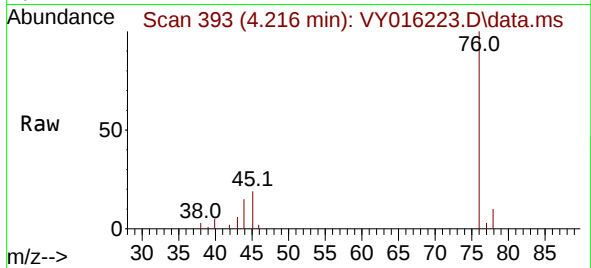
#17
Carbon Disulfide
Concen: 4.275 ug/l
RT: 4.216 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion: 76 Resp: 12734
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.4

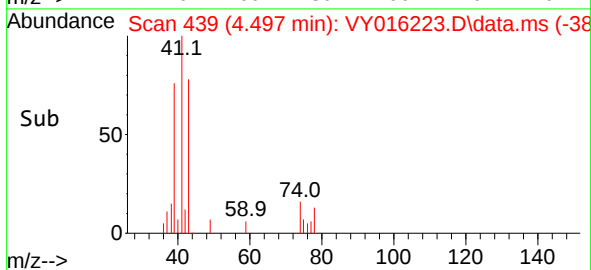
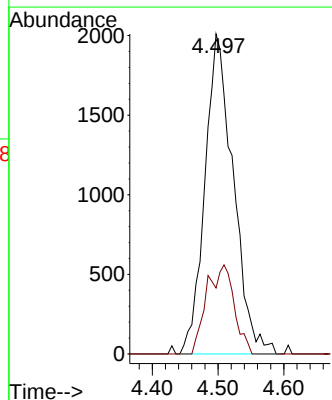
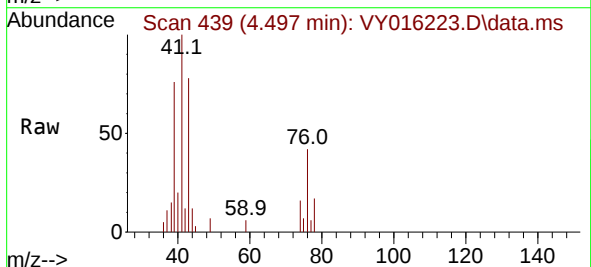
Manual Integrations
APPROVED

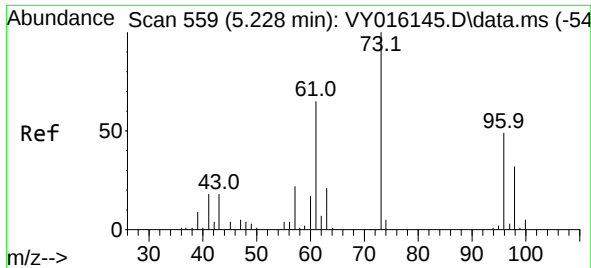
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#18
Methyl Acetate
Concen: 5.321 ug/l
RT: 4.497 min Scan# 439
Delta R.T. 0.012 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

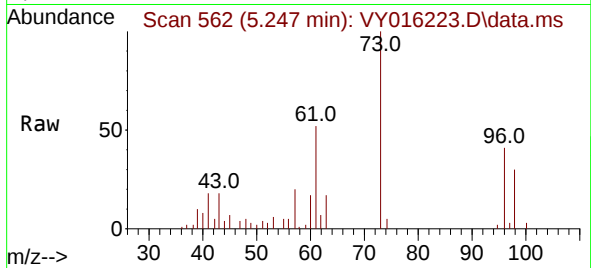
Tgt Ion: 43 Resp: 6038
Ion Ratio Lower Upper
43 100
74 27.0 17.4 26.0#





#19
Methyl tert-butyl Ether
Concen: 5.117 ug/l
RT: 5.247 min Scan# 50
Delta R.T. 0.018 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

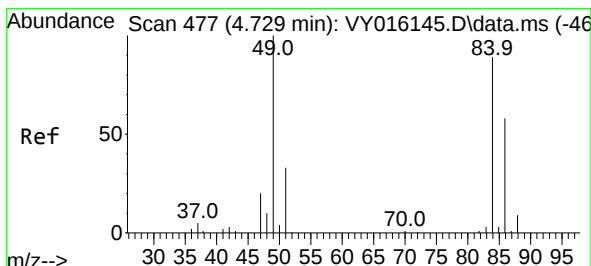
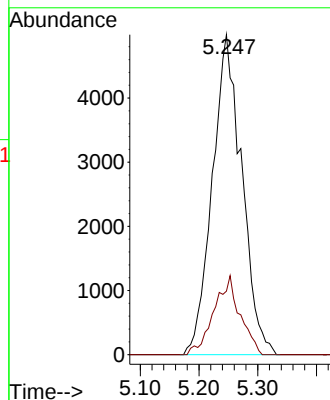
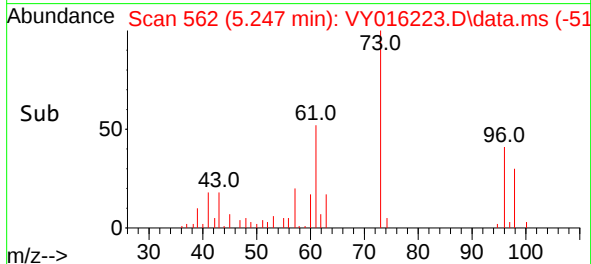
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 73 Resp: 17369
Ion Ratio Lower Upper
73 100
57 19.8 17.3 25.9

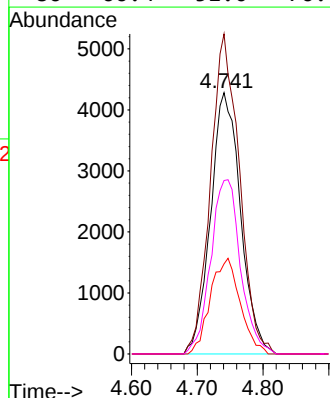
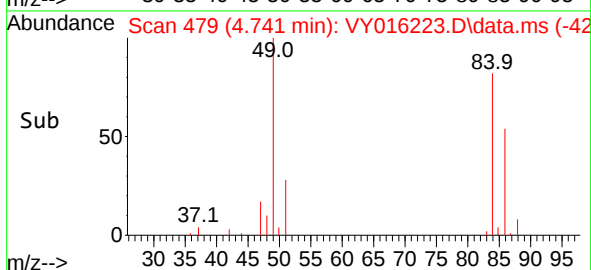
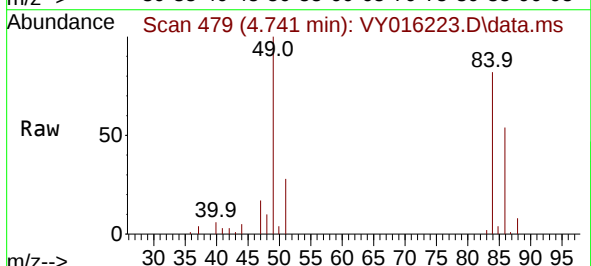
Manual Integrations
APPROVED

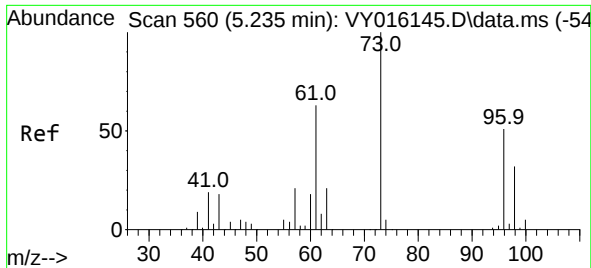
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#20
Methylene Chloride
Concen: 6.820 ug/l
RT: 4.741 min Scan# 479
Delta R.T. 0.012 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

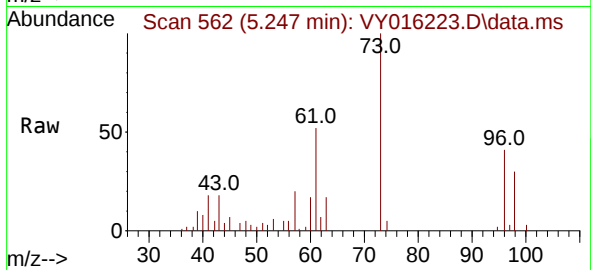
Tgt Ion: 84 Resp: 13563
Ion Ratio Lower Upper
84 100
49 122.5 106.9 160.3
51 34.5 33.2 49.8
86 66.4 51.0 76.6





#21
trans-1,2-Dichloroethene
Concen: 4.722 ug/l
RT: 5.247 min Scan# 509
Delta R.T. 0.012 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

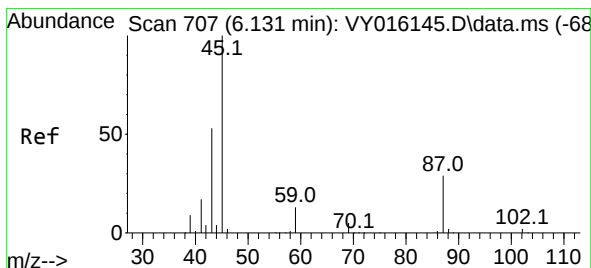
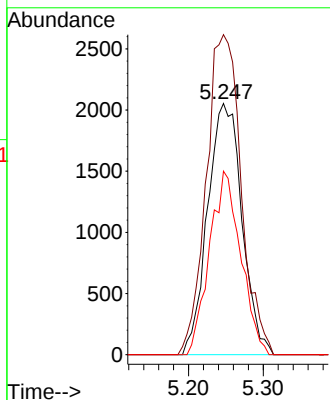
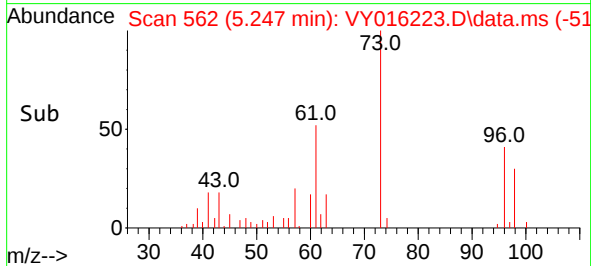
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 96 Resp: 656
Ion Ratio Lower Upper
96 100
61 127.4 110.2 165.4
98 73.0 51.8 77.6

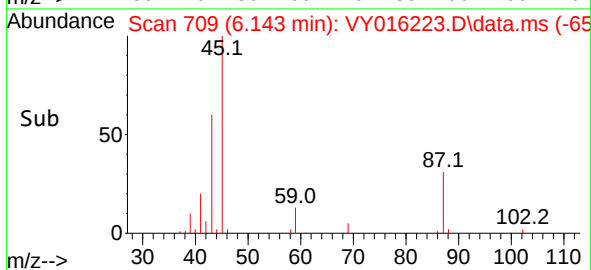
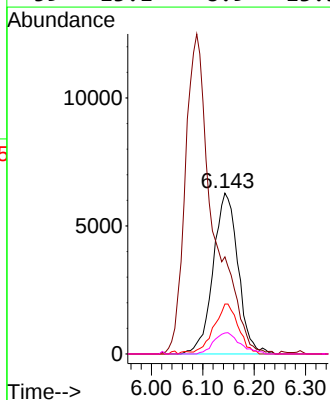
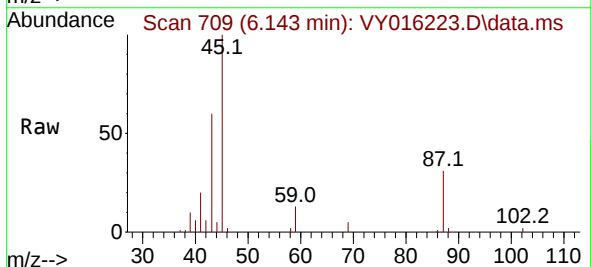
Manual Integrations
APPROVED

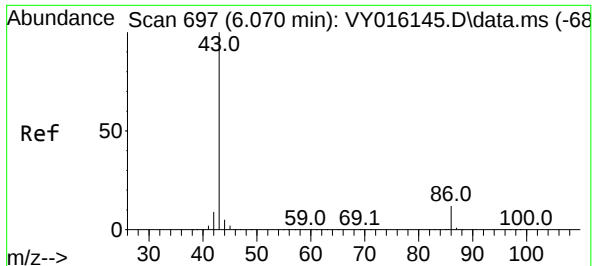
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#22
Diisopropyl ether
Concen: 5.126 ug/l
RT: 6.143 min Scan# 709
Delta R.T. 0.012 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Tgt Ion: 45 Resp: 21162
Ion Ratio Lower Upper
45 100
43 60.5 52.2 78.4
87 31.0 21.0 31.6
59 13.1 8.9 13.3





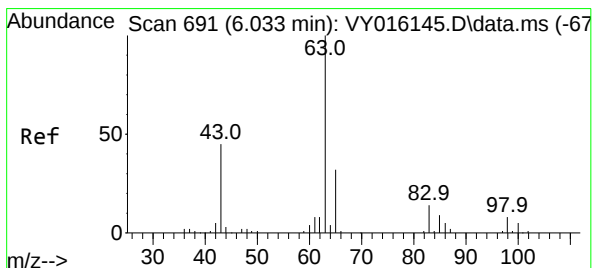
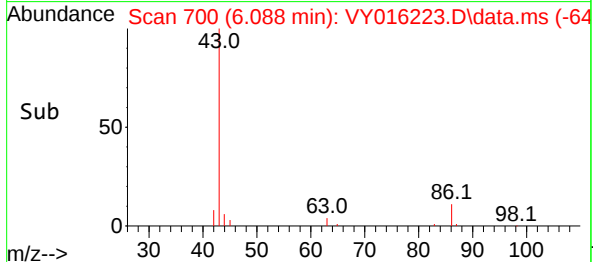
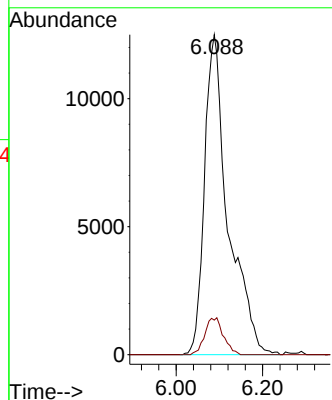
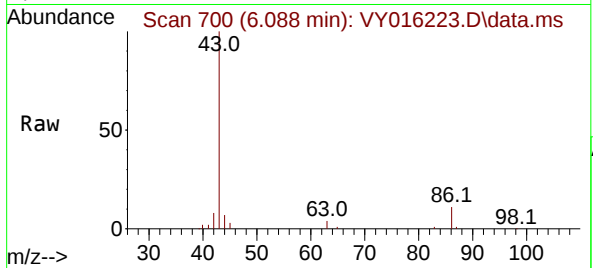
#23
 Vinyl Acetate
 Concen: 23.320 ug/l
 RT: 6.088 min Scan# 70
 Delta R.T. 0.018 min
 Lab File: VY016223.D
 Acq: 03 Nov 2023 20:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023

Tgt Ion: 43 Resp: 4726
 Ion Ratio Lower Upper
 43 100
 86 10.8 7.5 11.3

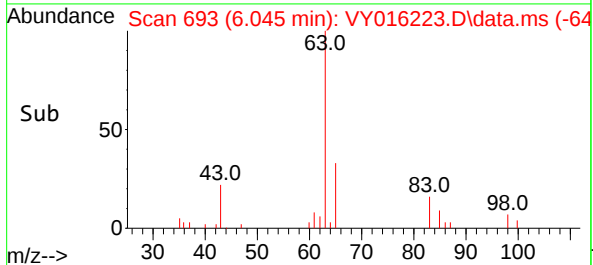
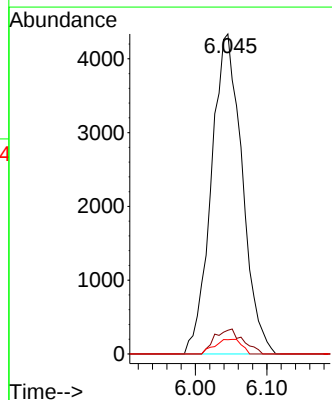
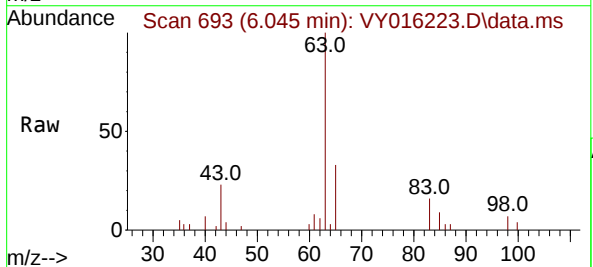
Manual Integrations
 APPROVED

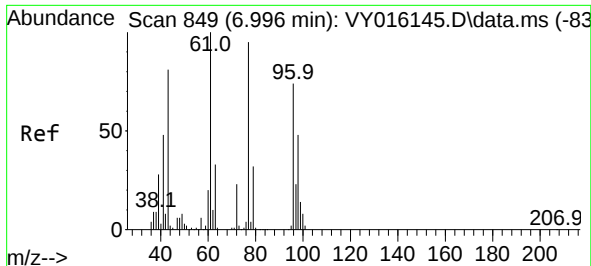
Reviewed By :John Carlone 11/06/2023
 Supervised By :Mahesh Dadoda 11/06/2023



#24
 1,1-Dichloroethane
 Concen: 5.257 ug/l
 RT: 6.045 min Scan# 693
 Delta R.T. 0.012 min
 Lab File: VY016223.D
 Acq: 03 Nov 2023 20:41

Tgt Ion: 63 Resp: 12989
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.1 9.4
 100 4.5 1.8 5.5





#25

2-Butanone

Concen: 24.287 ug/l

RT: 7.015 min Scan# 849

Delta R.T. 0.018 min

Lab File: VY016223.D

Acq: 03 Nov 2023 20:41

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion: 43 Resp: 945

Ion Ratio Lower Upper

43 100

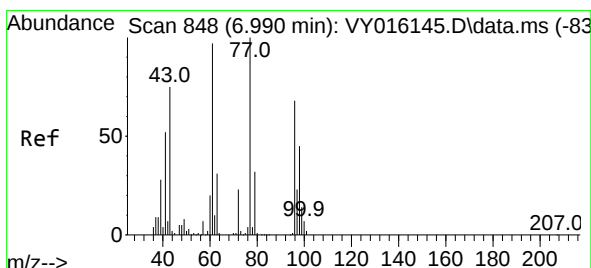
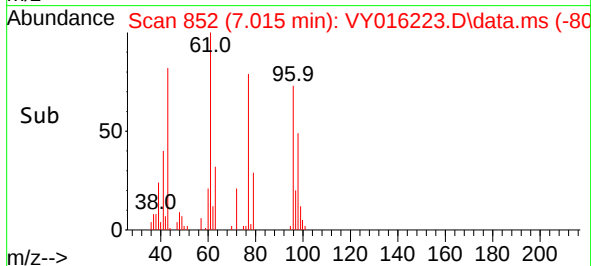
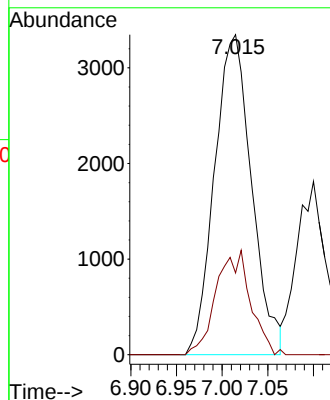
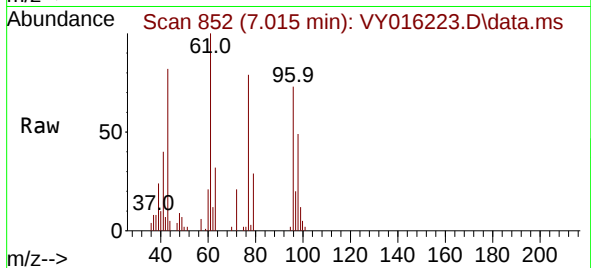
72 25.5 20.5 30.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#26

2,2-Dichloropropane

Concen: 4.816 ug/l

RT: 7.009 min Scan# 851

Delta R.T. 0.018 min

Lab File: VY016223.D

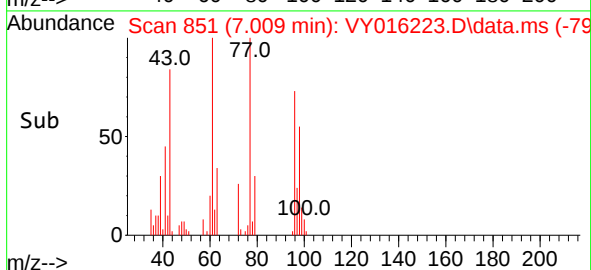
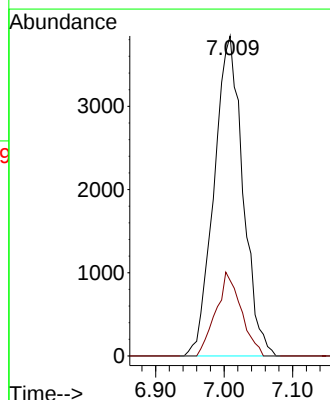
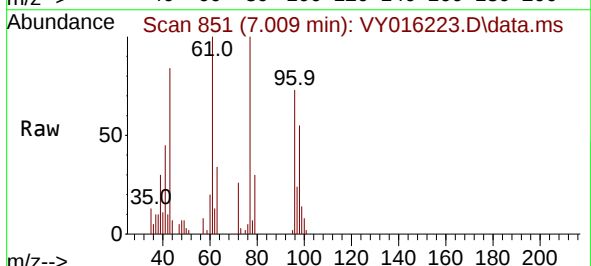
Acq: 03 Nov 2023 20:41

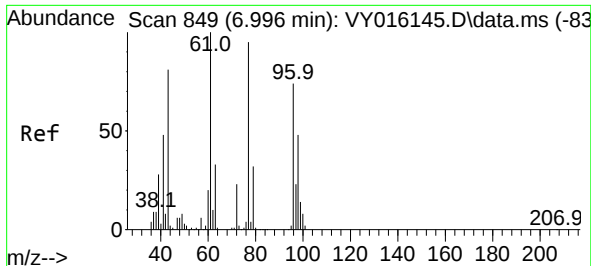
Tgt Ion: 77 Resp: 11249

Ion Ratio Lower Upper

77 100

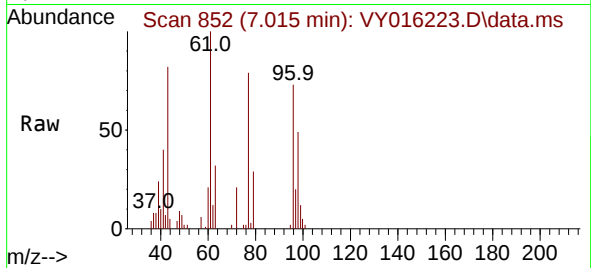
97 22.9 10.9 32.9





#27
 cis-1,2-Dichloroethene
 Concen: 5.078 ug/l
 RT: 7.015 min Scan# 810
 Delta R.T. 0.018 min
 Lab File: VY016223.D
 Acq: 03 Nov 2023 20:41

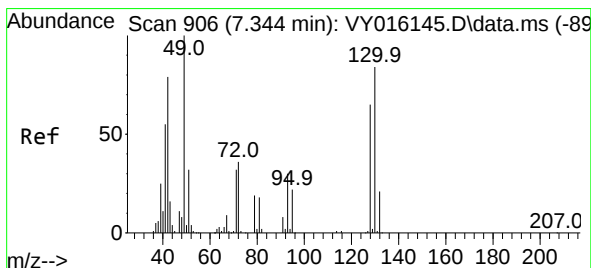
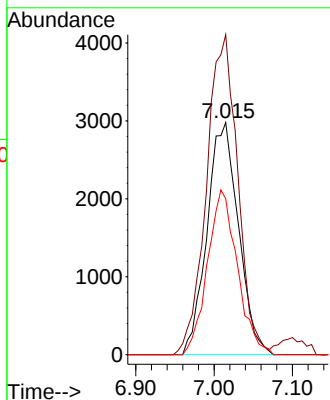
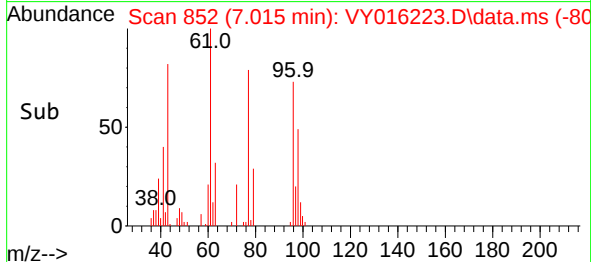
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023



Tgt Ion: 96	Resp: 8300
Ion Ratio	Lower Upper
96	100
61	136.8 0.0 301.4
98	67.4 0.0 130.4

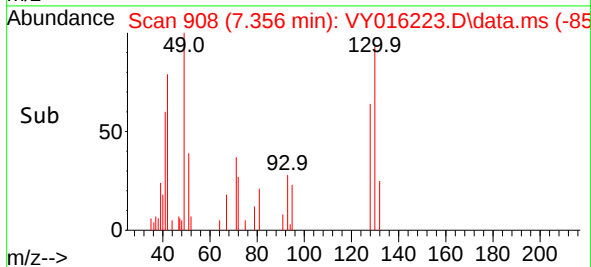
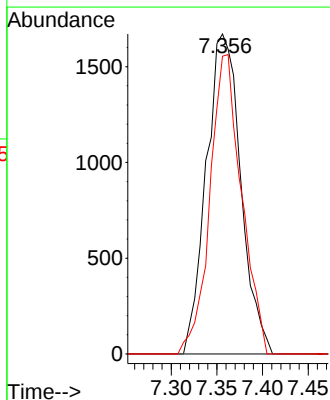
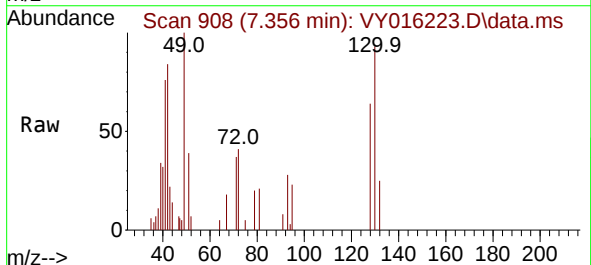
Manual Integrations
 APPROVED

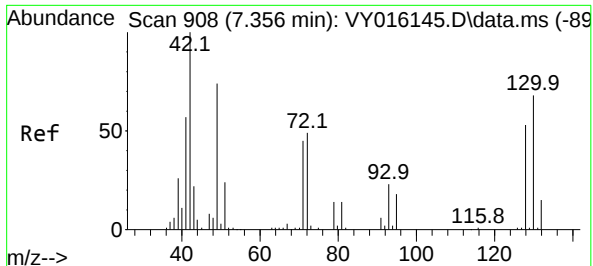
Reviewed By :John Carlone 11/06/2023
 Supervised By :Mahesh Dadoda 11/06/2023



#28
 Bromochloromethane
 Concen: 4.743 ug/l
 RT: 7.356 min Scan# 908
 Delta R.T. 0.012 min
 Lab File: VY016223.D
 Acq: 03 Nov 2023 20:41

Tgt Ion: 49	Resp: 4385
Ion Ratio	Lower Upper
49	100
129	0.0 0.0 4.6
130	85.6 60.7 91.1





#29

Tetrahydrofuran

Concen: 24.579 ug/l

RT: 7.374 min Scan# 911

Delta R.T. 0.018 min

Lab File: VY016223.D

Acq: 03 Nov 2023 20:41

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2023

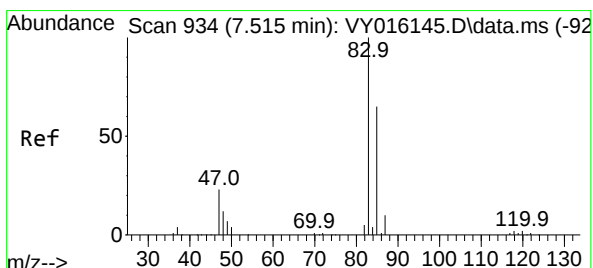
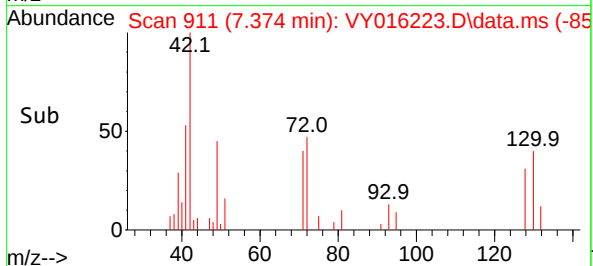
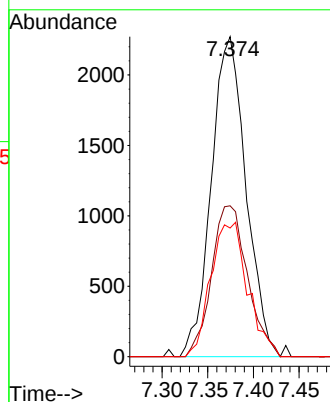
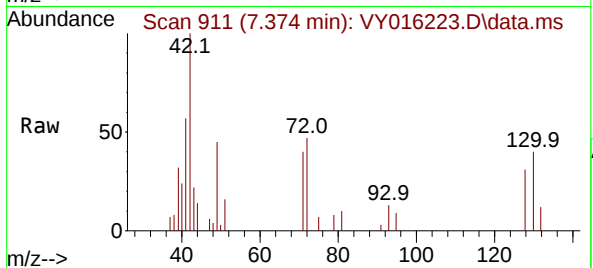
Tgt Ion: 42	Resp: 599
Ion Ratio	Lower Upper
42	100
72	49.0 32.8 49.2
71	44.6 31.0 46.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#30

Chloroform

Concen: 6.197 ug/l

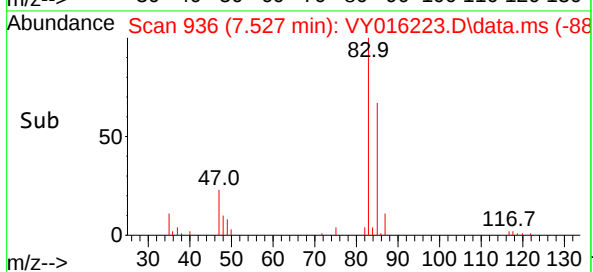
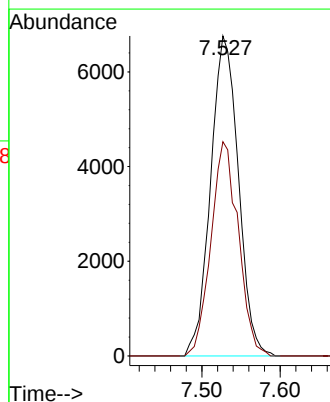
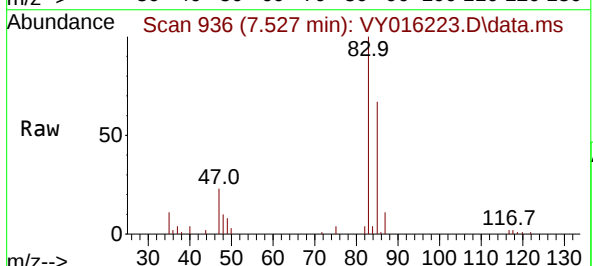
RT: 7.527 min Scan# 936

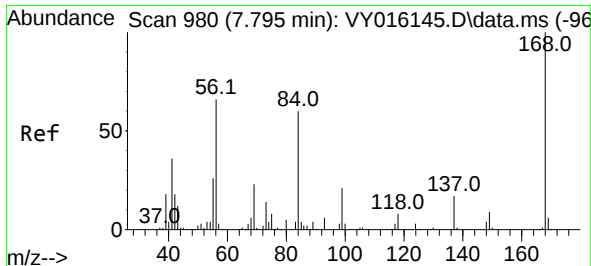
Delta R.T. 0.012 min

Lab File: VY016223.D

Acq: 03 Nov 2023 20:41

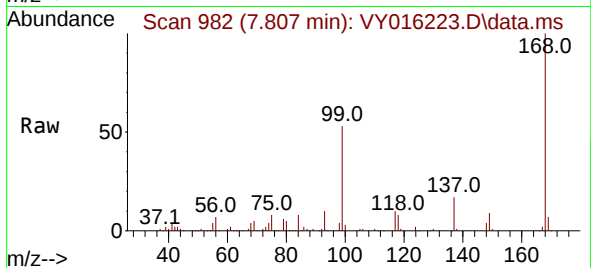
Tgt Ion: 83	Resp: 16668
Ion Ratio	Lower Upper
83	100
85	67.0 49.7 74.5





#31
Cyclohexane
Concen: 5.559 ug/l
RT: 7.807 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

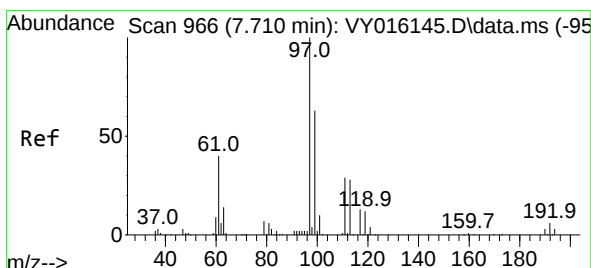
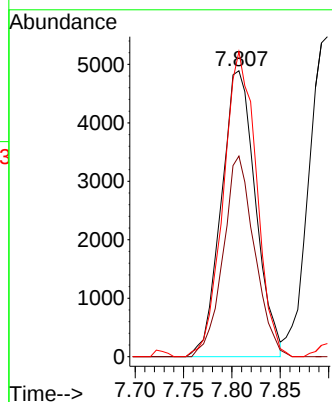
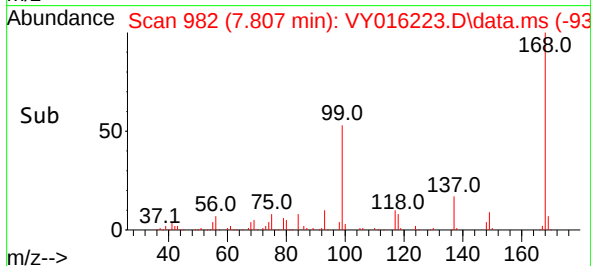
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 56 Resp: 1205
Ion Ratio Lower Upper
56 100
69 70.2 27.8 41.6
84 106.7 66.4 99.6

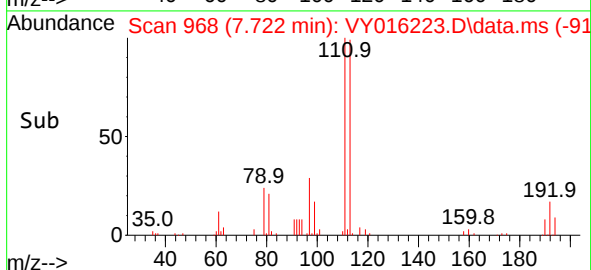
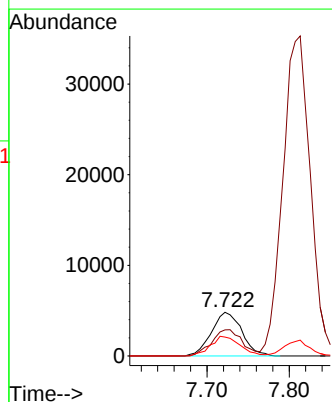
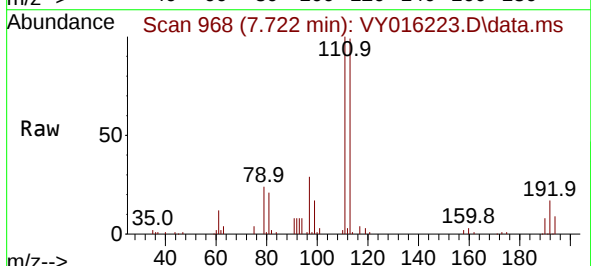
Manual Integrations
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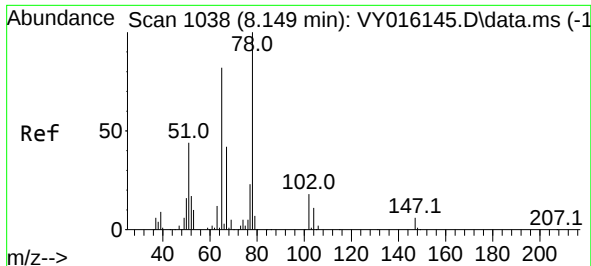
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#32
1,1,1-Trichloroethane
Concen: 5.002 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.012 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Tgt Ion: 97 Resp: 12340
Ion Ratio Lower Upper
97 100
99 61.1 50.8 76.2
61 43.4 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 53.260 ug/l

RT: 8.161 min Scan# 1103

Delta R.T. 0.012 min

Lab File: VY016223.D

Acq: 03 Nov 2023 20:41

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion: 65 Resp: 7515

Ion Ratio Lower Upper

65 100

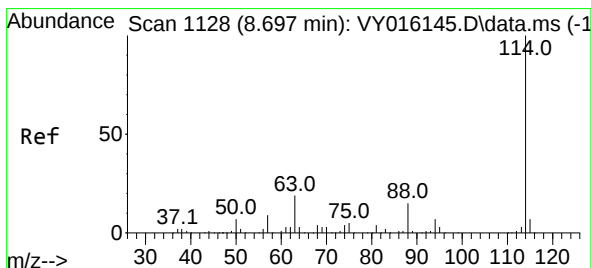
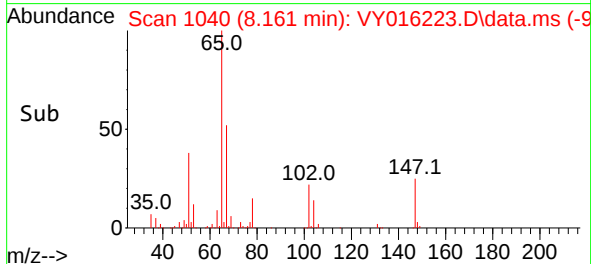
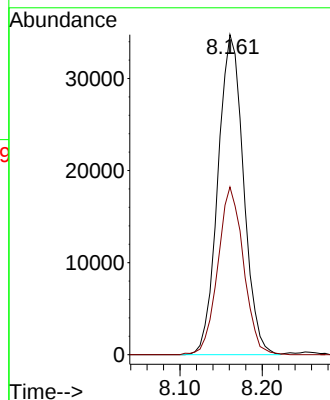
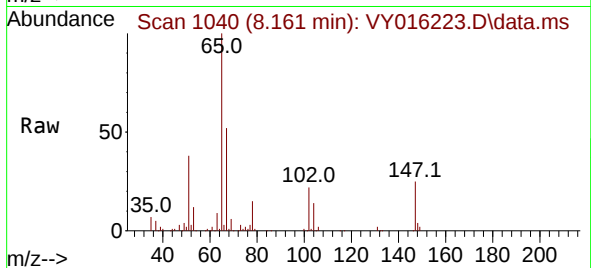
67 52.5 0.0 101.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1130

Delta R.T. 0.012 min

Lab File: VY016223.D

Acq: 03 Nov 2023 20:41

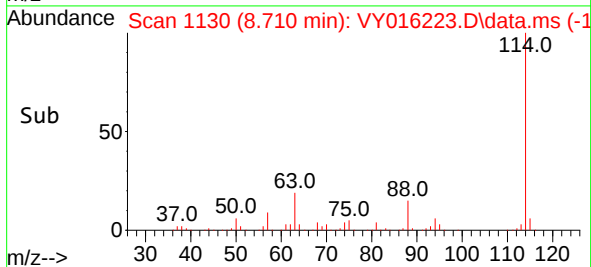
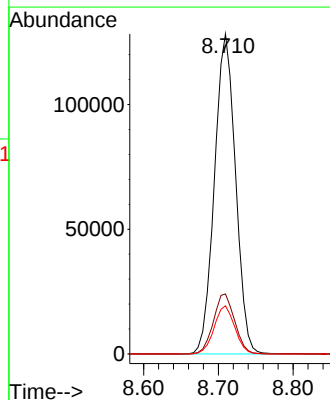
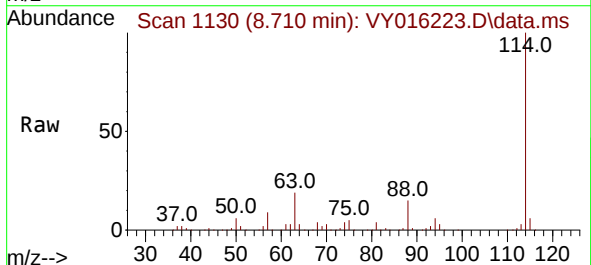
Tgt Ion:114 Resp: 251803

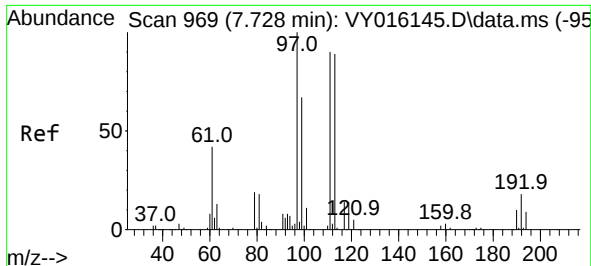
Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

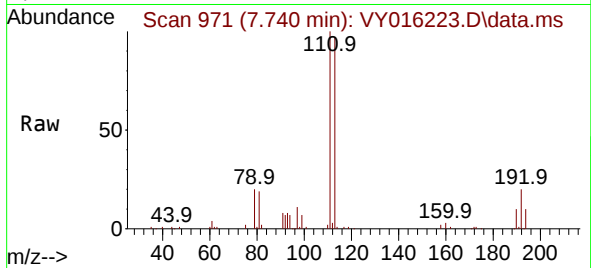
88 15.0 0.0 30.6





#35
Dibromofluoromethane
Concen: 47.156 ug/l
RT: 7.740 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

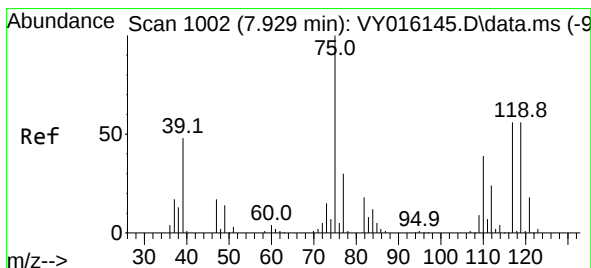
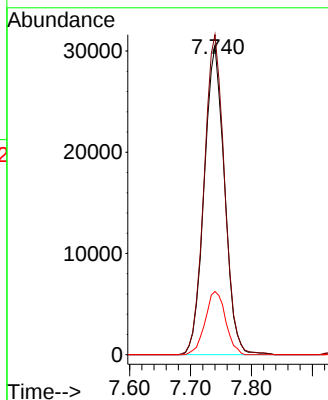
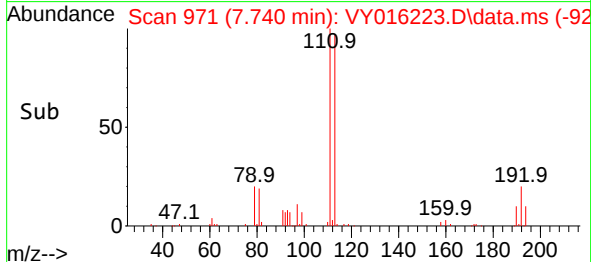
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 113 Resp: 70790
Ion Ratio Lower Upper
113 100
111 103.8 81.3 121.9
192 20.6 16.9 25.3

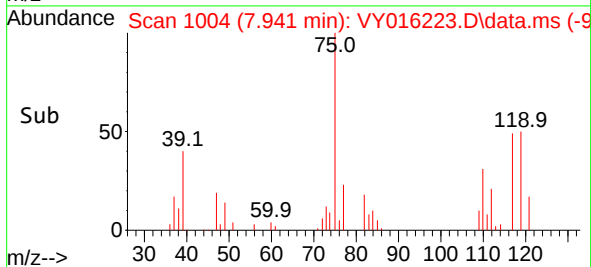
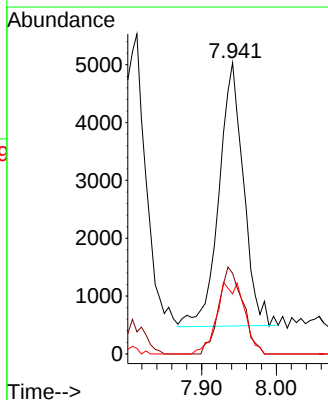
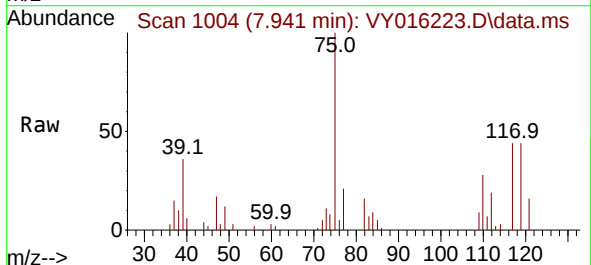
Manual Integrations
APPROVED

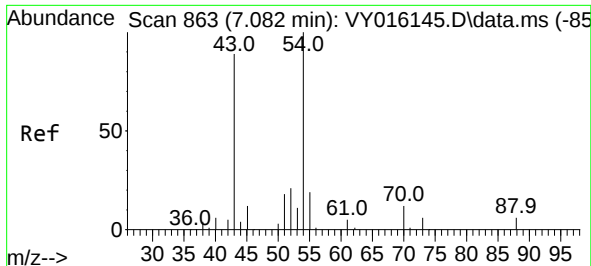
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#36
1,1-Dichloropropene
Concen: 4.822 ug/l
RT: 7.941 min Scan# 1004
Delta R.T. 0.012 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

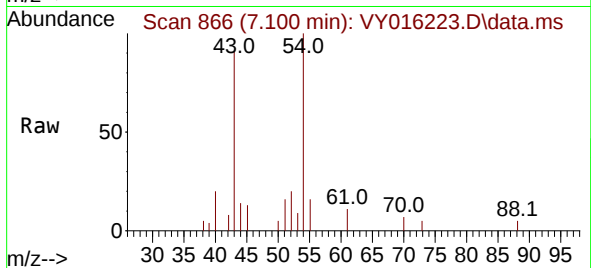
Tgt Ion: 75 Resp: 10453
Ion Ratio Lower Upper
75 100
110 32.4 17.8 53.5
77 30.4 24.4 36.6





#37
Ethyl Acetate
Concen: 4.144 ug/l
RT: 7.100 min Scan# 80
Delta R.T. 0.018 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

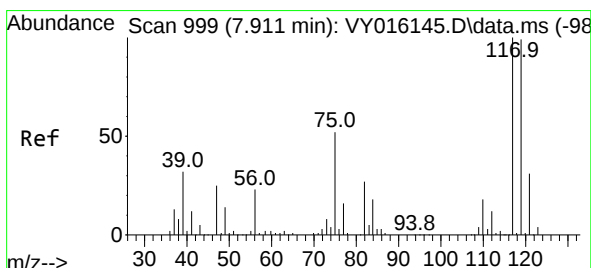
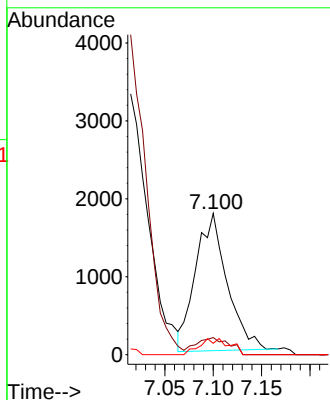
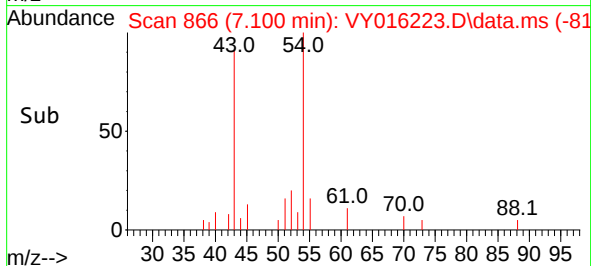
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 43 Resp: 400
Ion Ratio Lower Upper
43 100
61 13.0 10.1 15.1
70 11.0 7.1 10.7

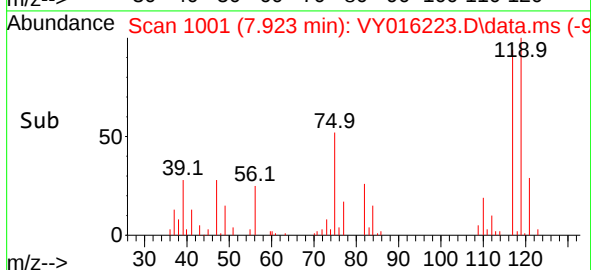
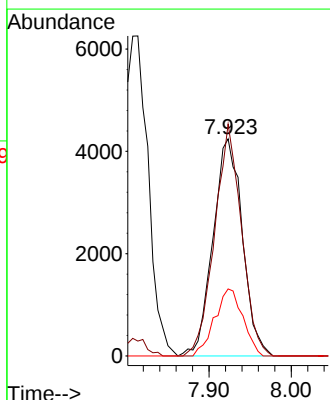
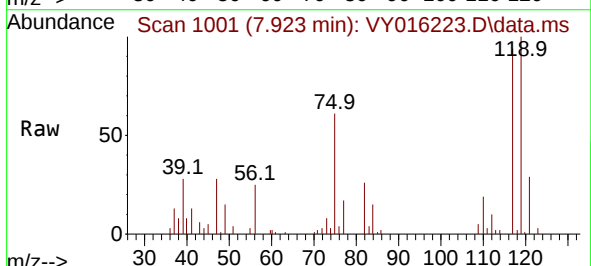
Manual Integrations
APPROVED

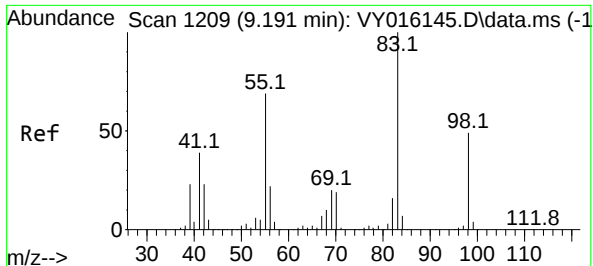
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#38
Carbon Tetrachloride
Concen: 4.907 ug/l
RT: 7.923 min Scan# 1001
Delta R.T. 0.012 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Tgt Ion:117 Resp: 10538
Ion Ratio Lower Upper
117 100
119 106.8 76.4 114.6
121 30.9 25.8 38.6





#39

Methylcyclohexane

Concen: 4.346 ug/l

RT: 9.203 min Scan# 1124

Delta R.T. 0.012 min

Lab File: VY016223.D

Acq: 03 Nov 2023 20:41

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2023

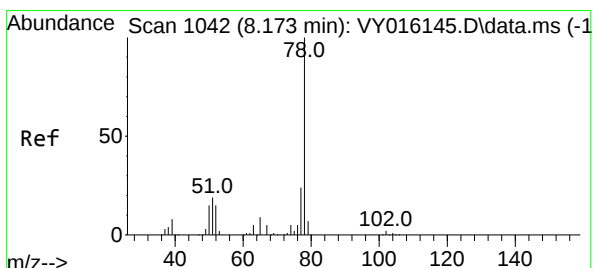
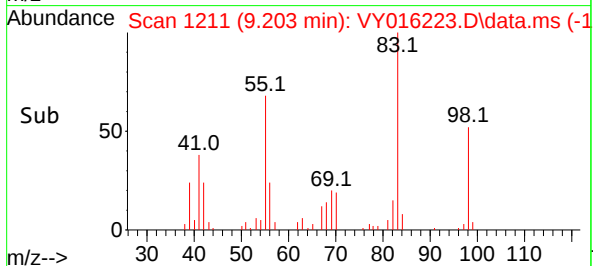
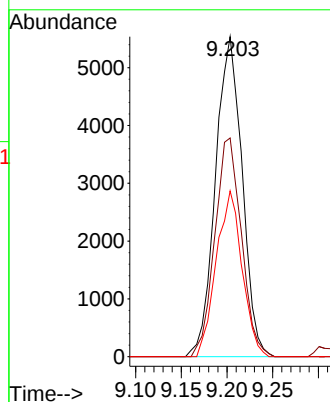
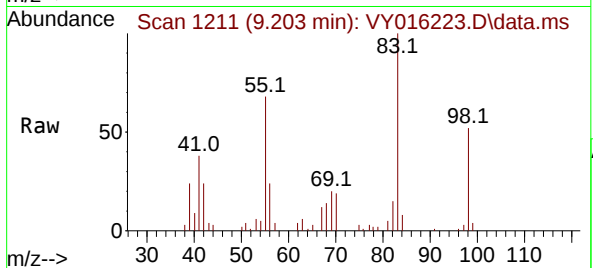
Tgt Ion: 83	Resp: 1124
Ion Ratio	Lower Upper
83	100
55	68.4 63.0 94.4
98	51.8 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#40

Benzene

Concen: 4.692 ug/l

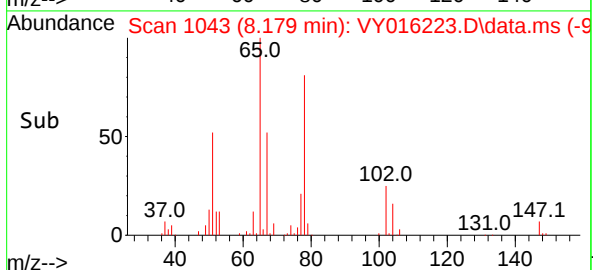
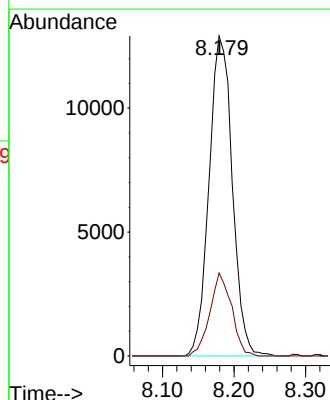
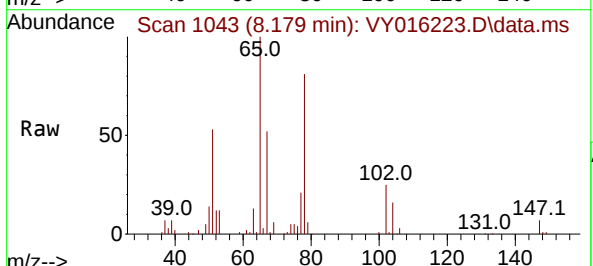
RT: 8.179 min Scan# 1043

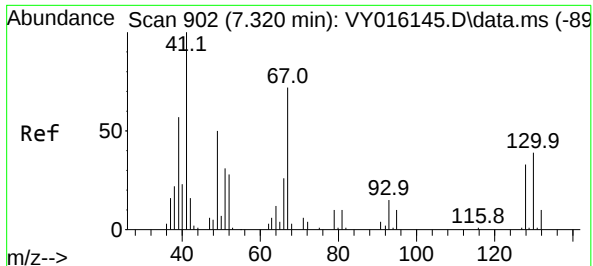
Delta R.T. 0.006 min

Lab File: VY016223.D

Acq: 03 Nov 2023 20:41

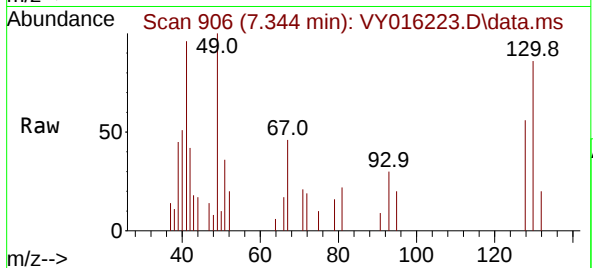
Tgt Ion: 78	Resp: 29199
Ion Ratio	Lower Upper
78	100
77	25.9 19.0 28.6





#41
Methacrylonitrile
Concen: 4.652 ug/l m
RT: 7.344 min Scan# 906
Delta R.T. 0.024 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

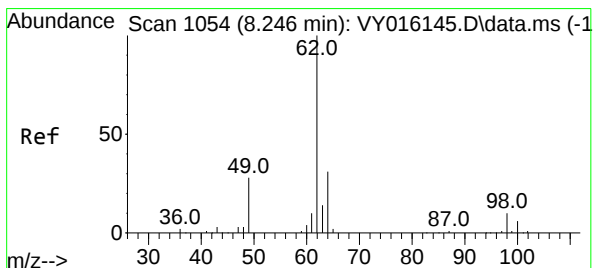
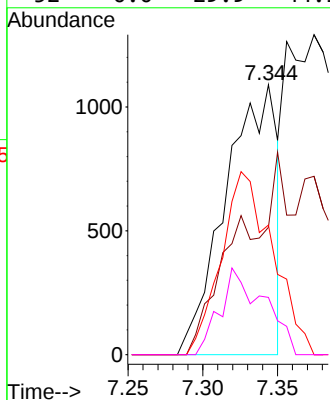
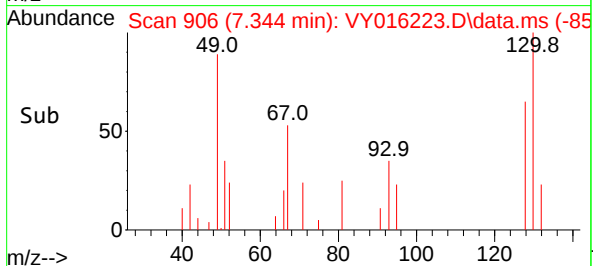
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 41 Resp: 260
Ion Ratio Lower Upper
41 100
39 0.0 52.1 78.1
67 0.0 66.2 99.2
52 0.0 29.9 44.9

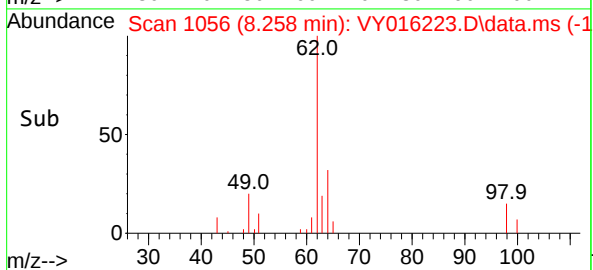
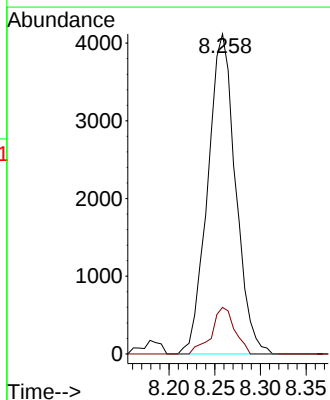
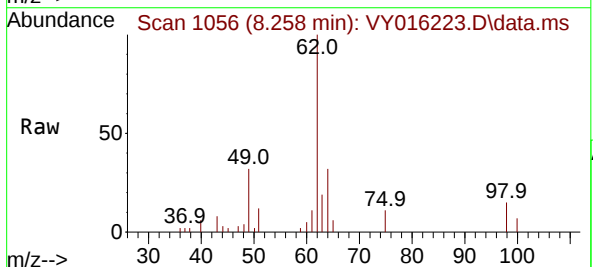
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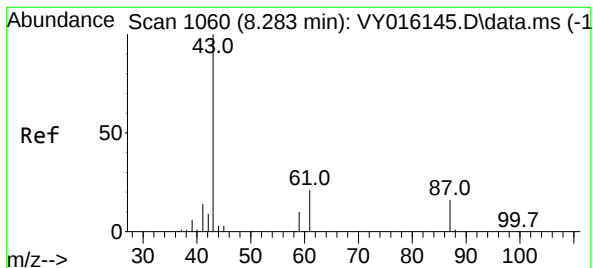
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#42
1,2-Dichloroethane
Concen: 5.033 ug/l
RT: 8.258 min Scan# 1056
Delta R.T. 0.012 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Tgt Ion: 62 Resp: 8741
Ion Ratio Lower Upper
62 100
98 12.1 0.0 15.8





#43

Isopropyl Acetate

Concen: 4.794 ug/l

RT: 8.289 min Scan# 1060

Delta R.T. 0.006 min

Lab File: VY016223.D

Acq: 03 Nov 2023 20:41

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2023

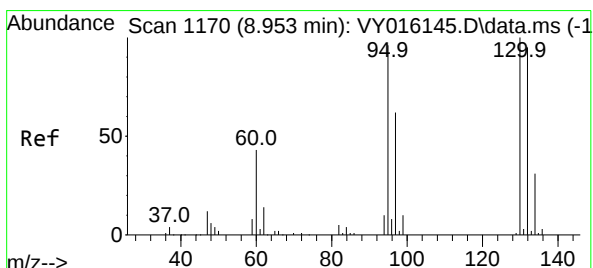
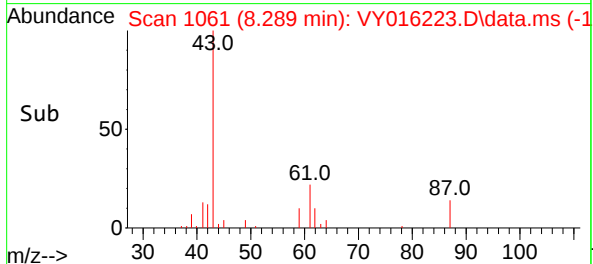
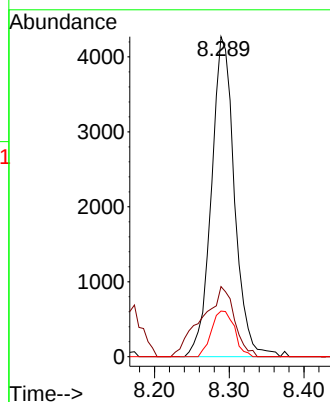
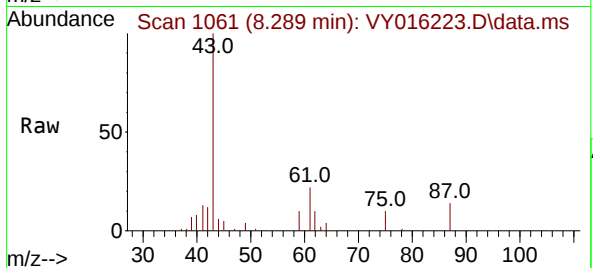
Tgt Ion: 43	Resp: 9150
Ion Ratio	Lower Upper
43 100	
61 30.9	21.1 31.7
87 14.2	9.8 14.8

Manual Integrations

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Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#44

Trichloroethene

Concen: 4.776 ug/l

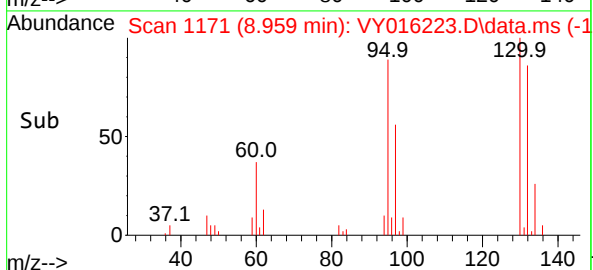
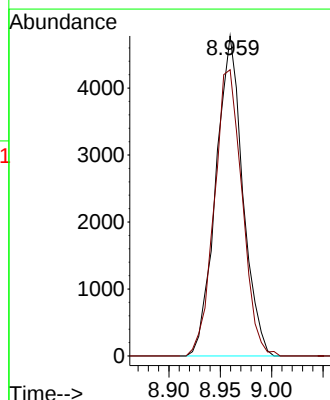
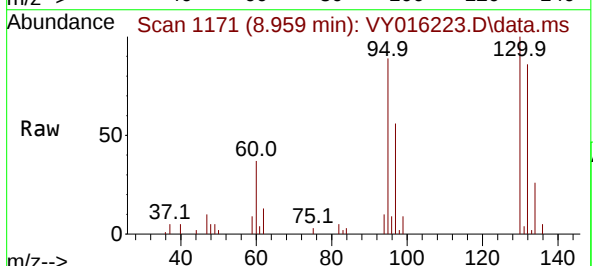
RT: 8.959 min Scan# 1171

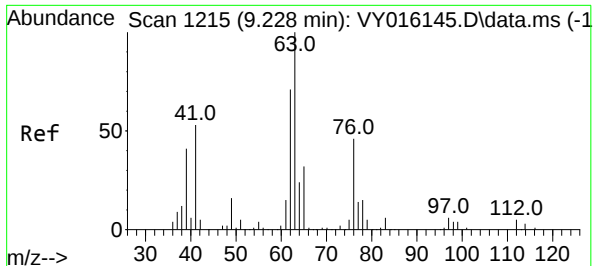
Delta R.T. 0.006 min

Lab File: VY016223.D

Acq: 03 Nov 2023 20:41

Tgt Ion:130	Resp: 8698
Ion Ratio	Lower Upper
130 100	
95 89.5	0.0 196.0





#45

1,2-Dichloropropane

Concen: 4.825 ug/l

RT: 9.234 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VY016223.D

Acq: 03 Nov 2023 20:41

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2023

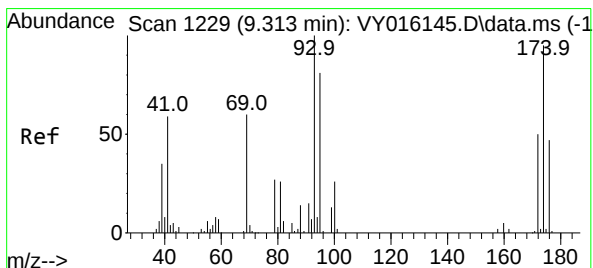
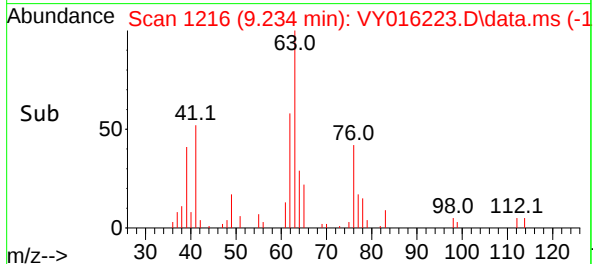
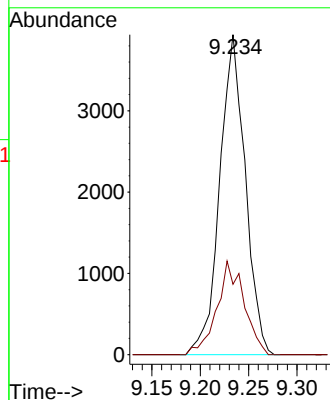
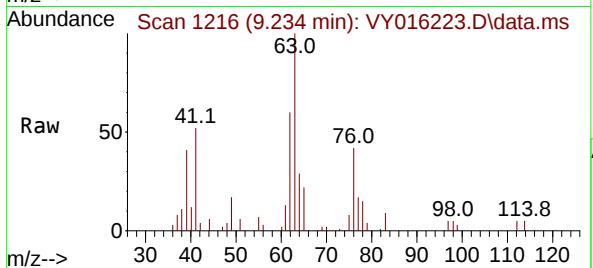
Tgt Ion: 63 Resp: 7224
 Ion Ratio Lower Upper
 63 100
 65 22.0 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#46

Dibromomethane

Concen: 4.727 ug/l

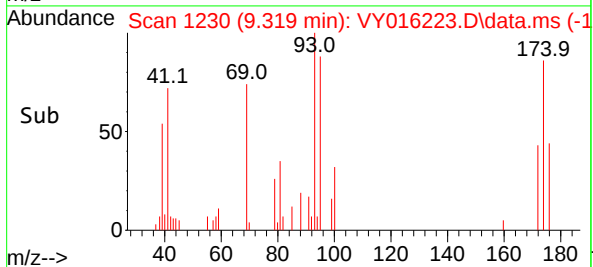
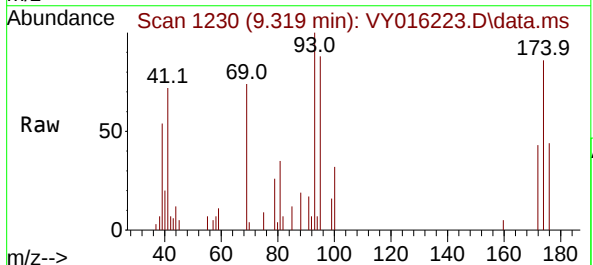
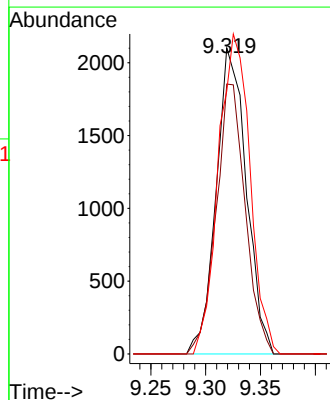
RT: 9.319 min Scan# 1230

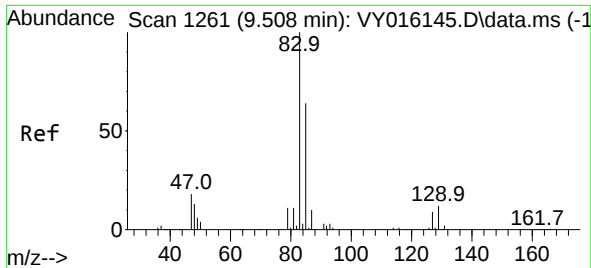
Delta R.T. 0.006 min

Lab File: VY016223.D

Acq: 03 Nov 2023 20:41

Tgt Ion: 93 Resp: 4014
 Ion Ratio Lower Upper
 93 100
 95 85.4 66.6 100.0
 174 109.8 84.8 127.2





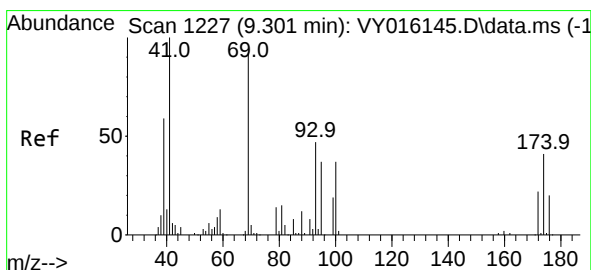
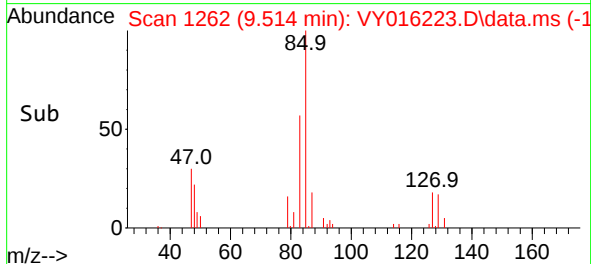
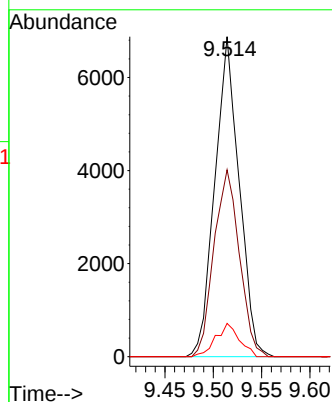
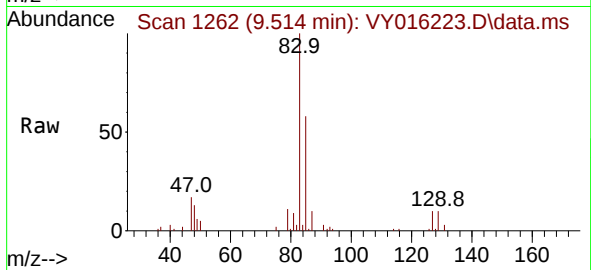
#47
Bromodichloromethane
Concen: 5.561 ug/l
RT: 9.514 min Scan# 1199
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion: 83 Resp: 1199
Ion Ratio Lower Upper
83 100
85 58.4 50.1 75.1
127 10.4 7.1 10.7

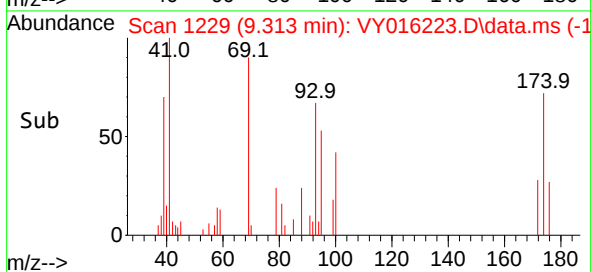
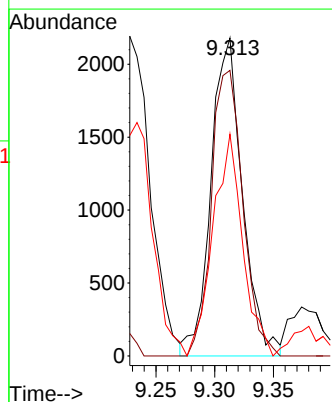
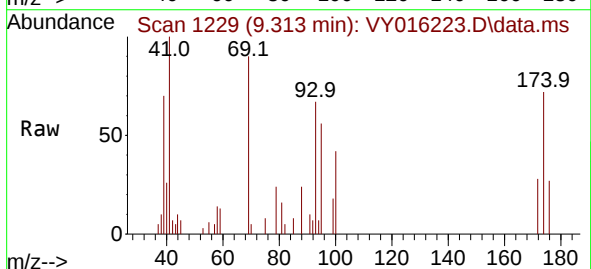
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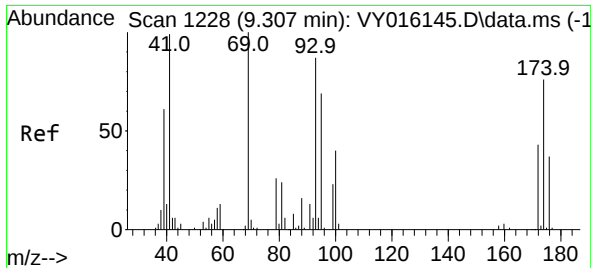
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#48
Methyl methacrylate
Concen: 4.679 ug/l
RT: 9.313 min Scan# 1229
Delta R.T. 0.012 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Tgt Ion: 41 Resp: 4063
Ion Ratio Lower Upper
41 100
69 89.5 64.5 96.7
39 65.7 50.8 76.2





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.313 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VY016223.D

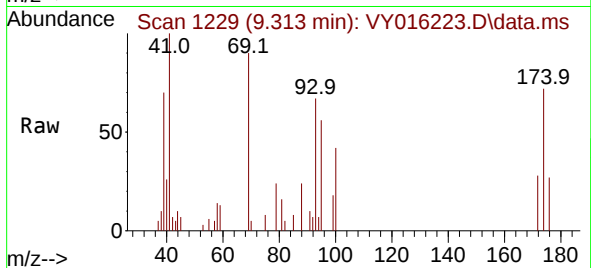
Acq: 03 Nov 2023 20:41

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2023



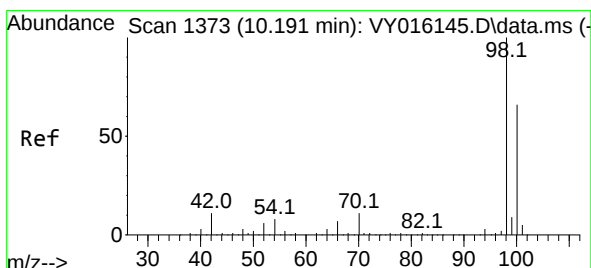
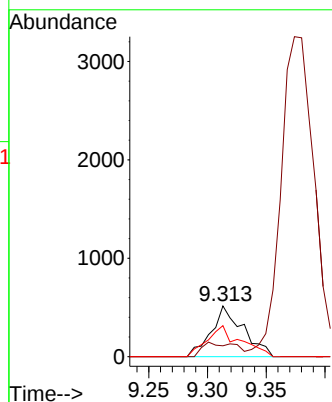
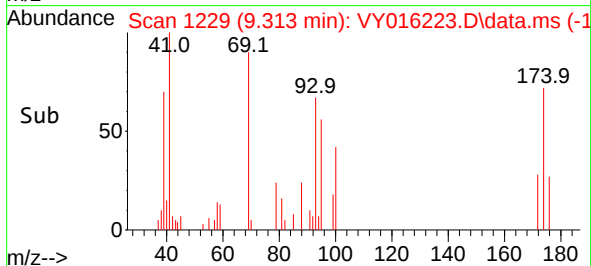
Tgt Ion: 88	Resp: 964
Ion Ratio	Lower Upper
88	100
43	29.4 0.0 0.0
58	63.9 30.9 46.3

Manual Integrations

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Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#50

Toluene-d8

Concen: 48.068 ug/l

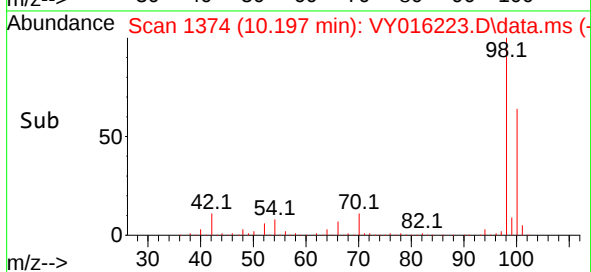
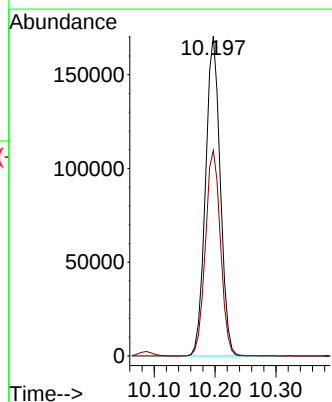
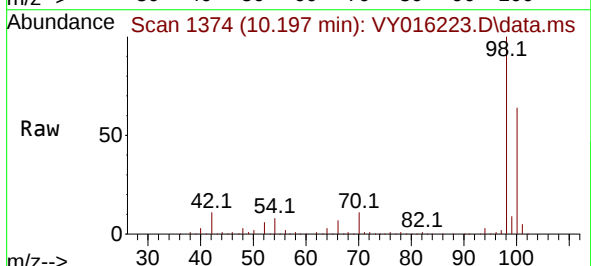
RT: 10.197 min Scan# 1374

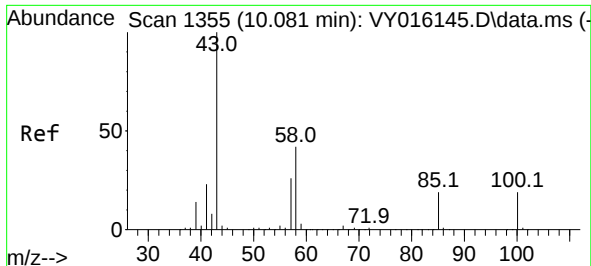
Delta R.T. 0.006 min

Lab File: VY016223.D

Acq: 03 Nov 2023 20:41

Tgt Ion: 98	Resp: 286094
Ion Ratio	Lower Upper
98	100
100	65.6 50.1 75.1





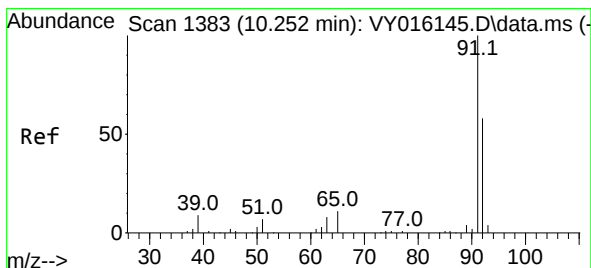
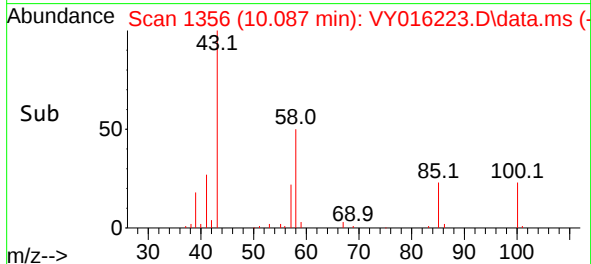
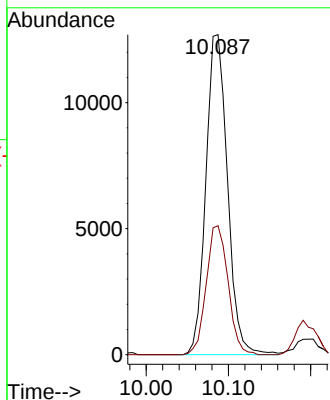
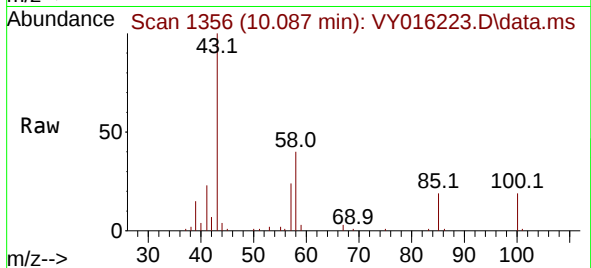
#51
4-Methyl-2-Pentanone
Concen: 24.338 ug/l
RT: 10.087 min Scan# 1355
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion: 43 Resp: 23192
Ion Ratio Lower Upper
43 100
58 40.7 29.0 43.6

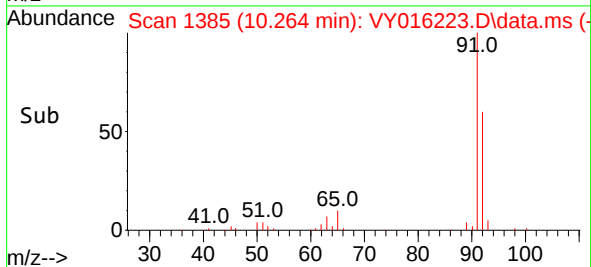
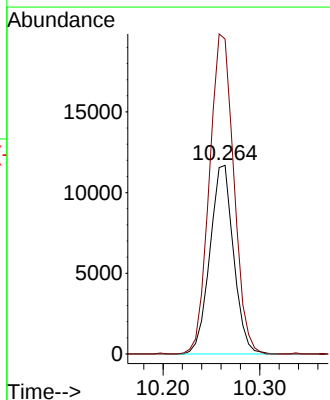
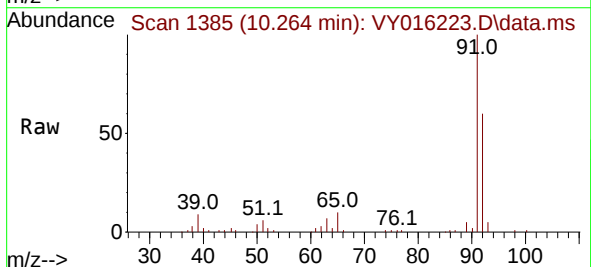
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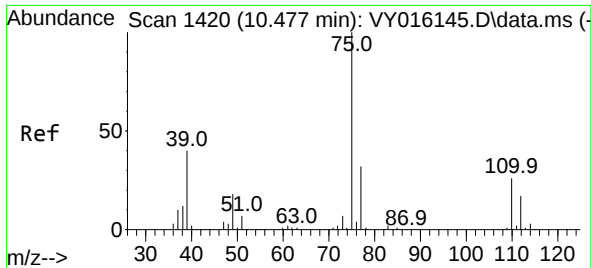
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#52
Toluene
Concen: 4.922 ug/l
RT: 10.264 min Scan# 1385
Delta R.T. 0.012 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Tgt Ion: 92 Resp: 19850
Ion Ratio Lower Upper
92 100
91 175.4 143.8 215.6





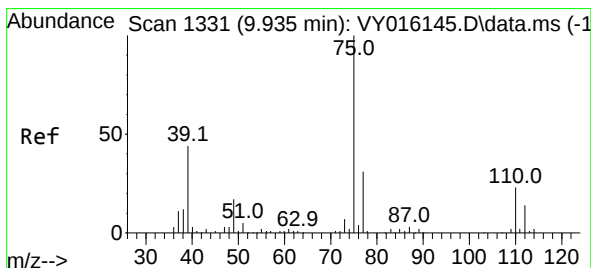
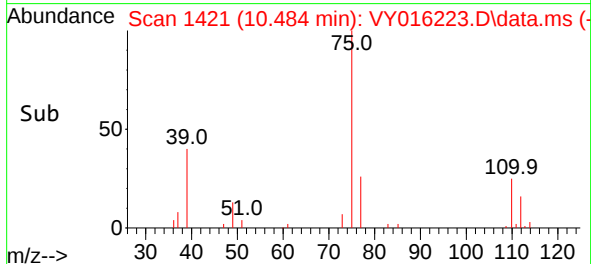
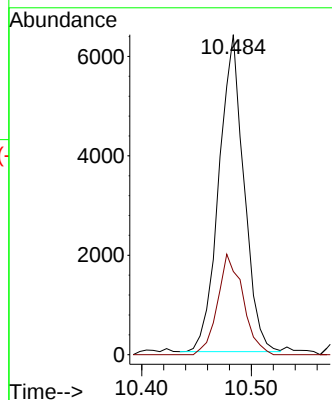
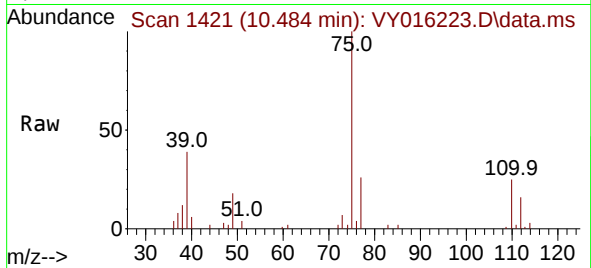
#53
 t-1,3-Dichloropropene
 Concen: 4.697 ug/l
 RT: 10.484 min Scan# 1420
 Delta R.T. 0.006 min
 Lab File: VY016223.D
 Acq: 03 Nov 2023 20:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023

Tgt Ion: 75 Resp: 1011
 Ion Ratio Lower Upper
 75 100
 77 26.3 25.0 37.4

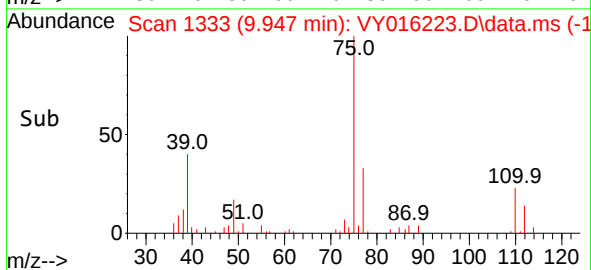
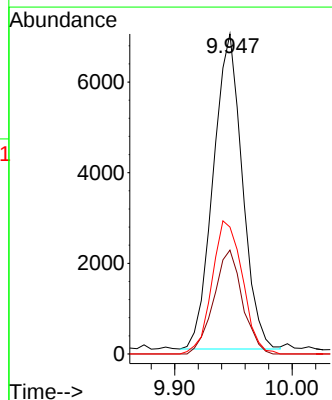
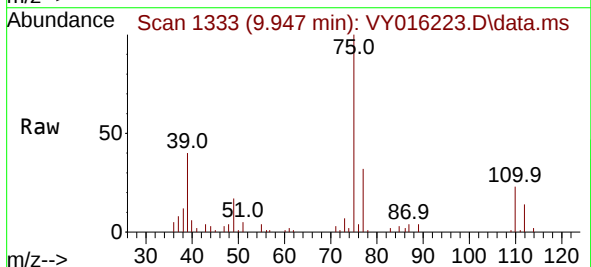
Manual Integrations
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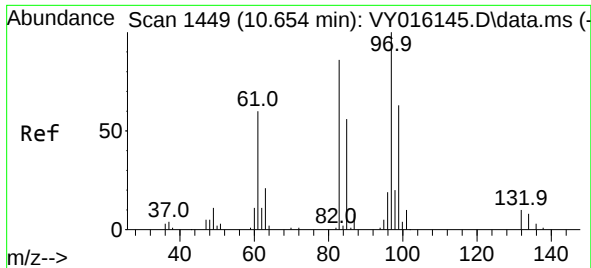
Reviewed By :John Carlone 11/06/2023
 Supervised By :Mahesh Dadoda 11/06/2023



#54
 cis-1,3-Dichloropropene
 Concen: 4.733 ug/l
 RT: 9.947 min Scan# 1333
 Delta R.T. 0.012 min
 Lab File: VY016223.D
 Acq: 03 Nov 2023 20:41

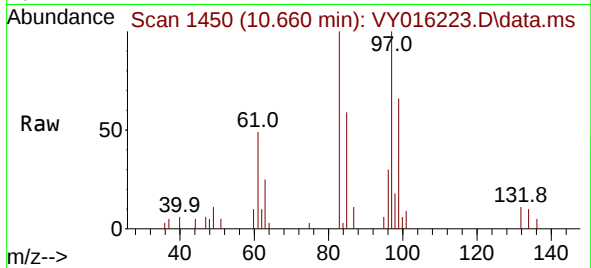
Tgt Ion: 75 Resp: 11963
 Ion Ratio Lower Upper
 75 100
 77 32.9 24.2 36.4
 39 40.3 42.2 63.4#





#55
1,1,2-Trichloroethane
Concen: 4.861 ug/l
RT: 10.660 min Scan# 1449
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

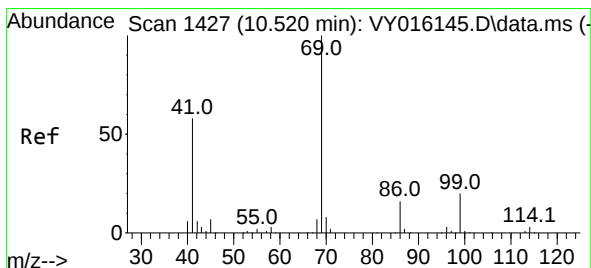
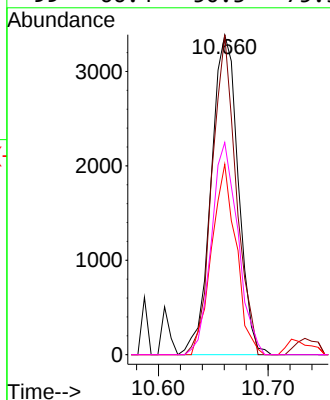
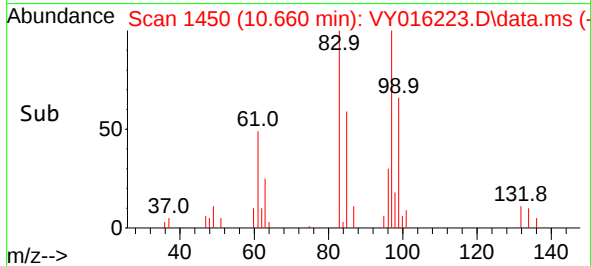
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion	Ratio	Lower	Upper
97	100		
83	100.1	72.0	108.0
85	59.6	45.4	68.0
99	66.4	50.3	75.5

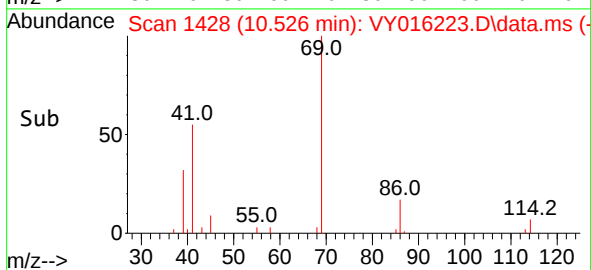
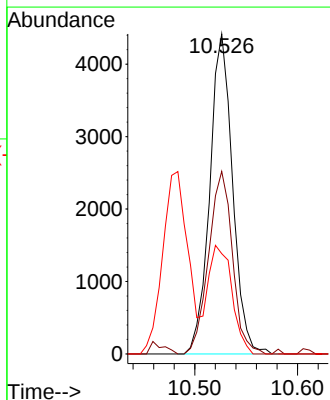
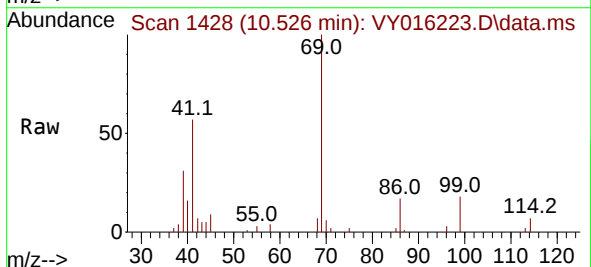
Manual Integrations
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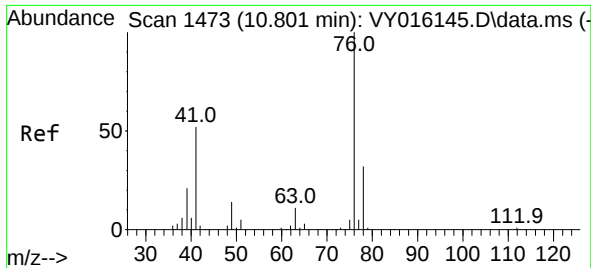
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#56
Ethyl methacrylate
Concen: 4.386 ug/l
RT: 10.526 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.6	57.6	86.4
39	36.6	34.1	51.1





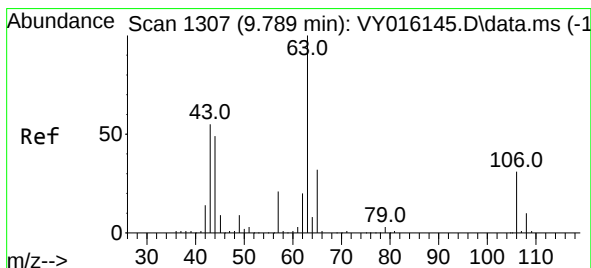
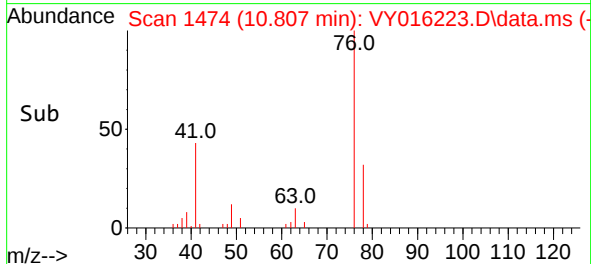
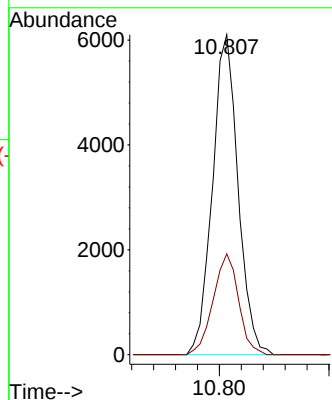
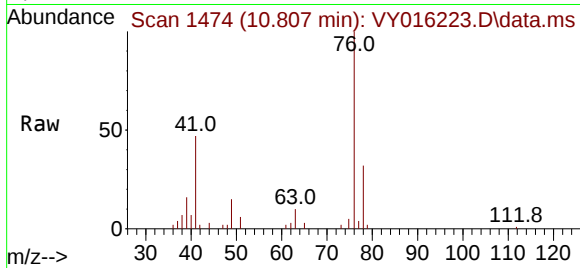
#57
1,3-Dichloropropane
Concen: 4.863 ug/l
RT: 10.807 min Scan# 1473
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion: 76 Resp: 9889
Ion Ratio Lower Upper
76 100
78 31.2 25.3 37.9

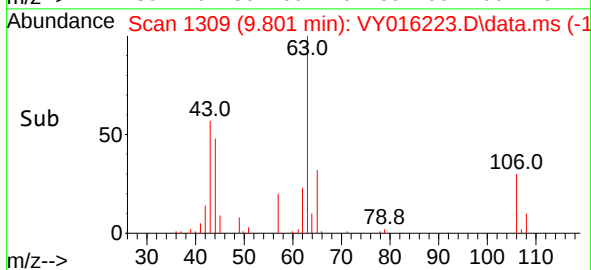
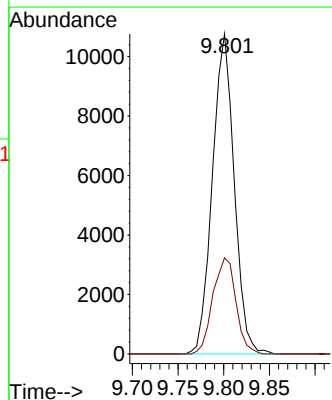
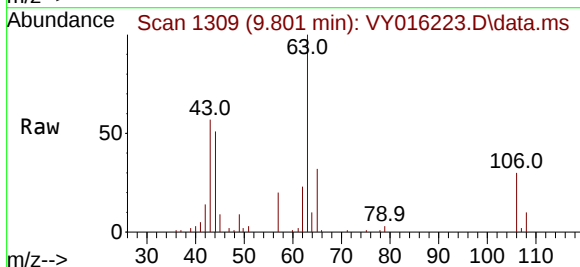
Manual Integrations
APPROVED

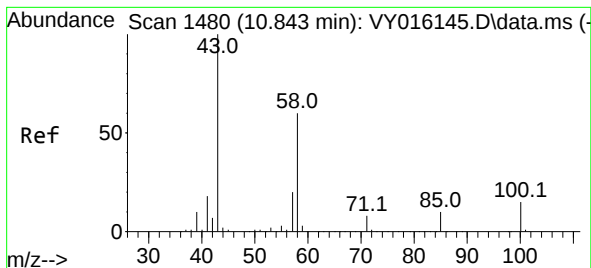
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#58
2-Chloroethyl Vinyl ether
Concen: 23.740 ug/l
RT: 9.801 min Scan# 1309
Delta R.T. 0.012 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Tgt Ion: 63 Resp: 17859
Ion Ratio Lower Upper
63 100
106 31.7 21.2 31.8





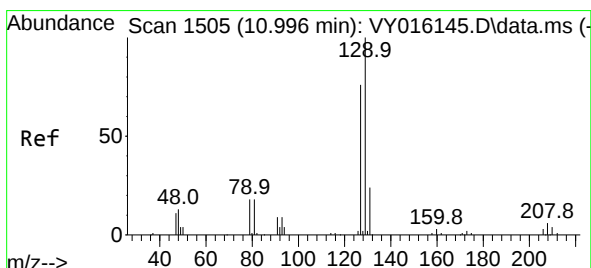
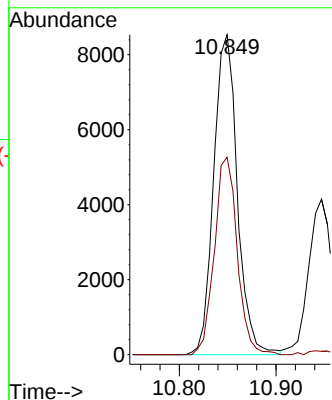
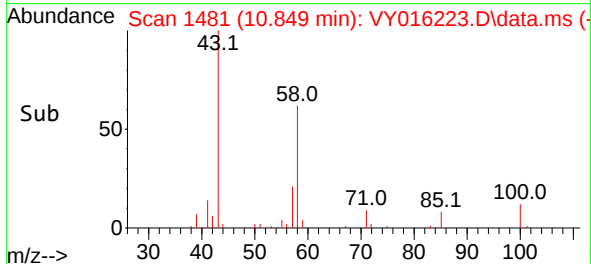
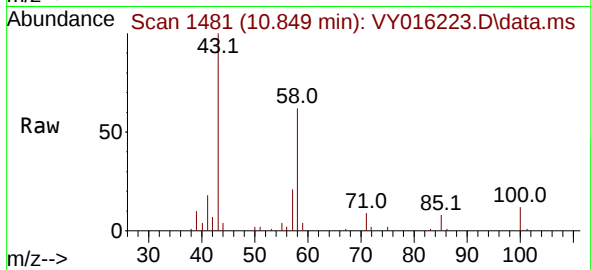
#59
2-Hexanone
Concen: 22.152 ug/l
RT: 10.849 min Scan# 1480
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion: 43 Resp: 1446
Ion Ratio Lower Upper
43 100
58 59.8 25.1 75.3

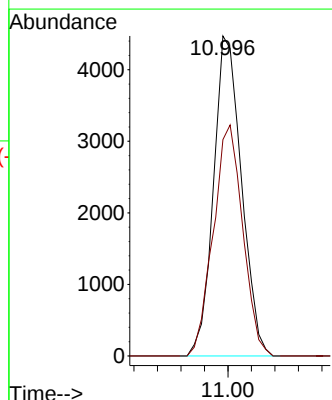
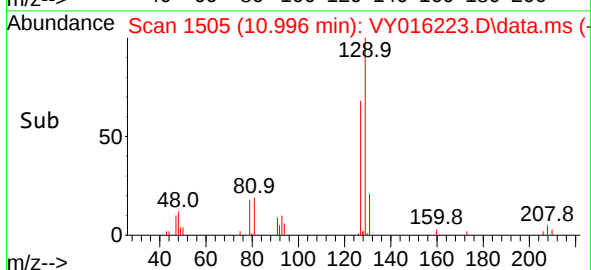
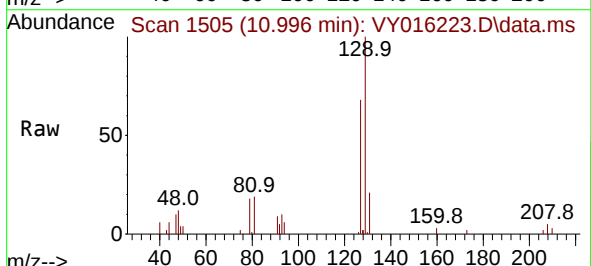
Manual Integrations
APPROVED

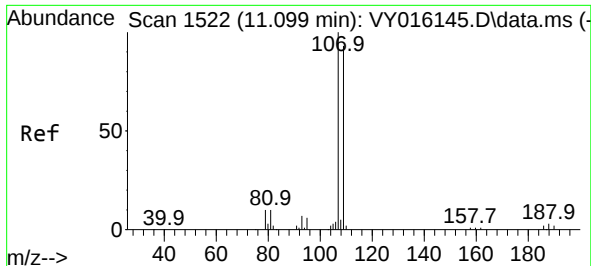
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#60
Dibromochloromethane
Concen: 4.928 ug/l
RT: 10.996 min Scan# 1505
Delta R.T. 0.000 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

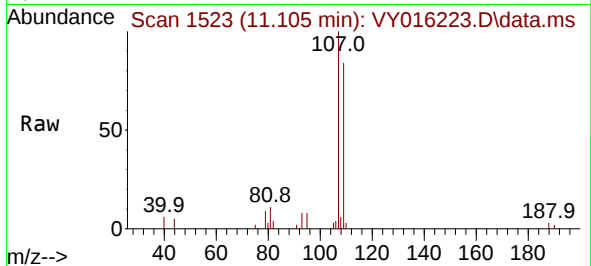
Tgt Ion:129 Resp: 7385
Ion Ratio Lower Upper
129 100
127 76.1 38.5 115.5





#61
1,2-Dibromoethane
Concen: 4.803 ug/l
RT: 11.105 min Scan# 1522
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

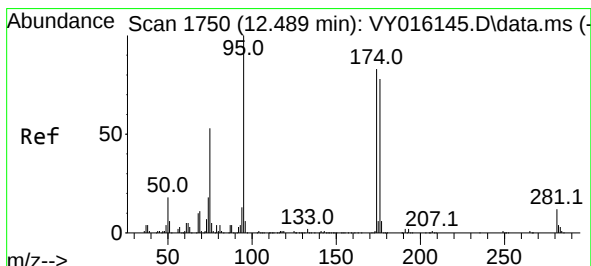
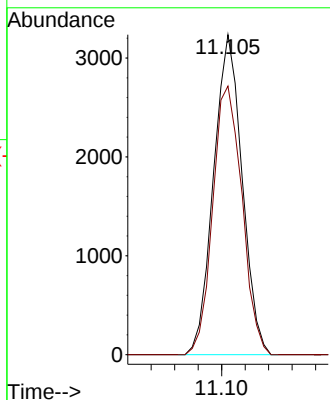
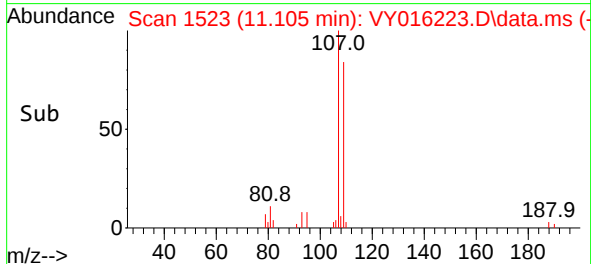
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:107 Resp: 545
Ion Ratio Lower Upper
107 100
109 86.0 75.6 113.4

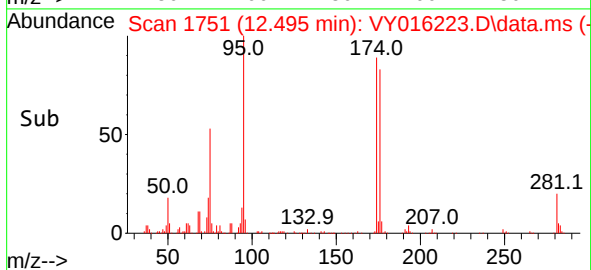
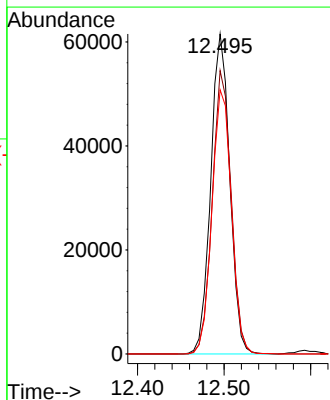
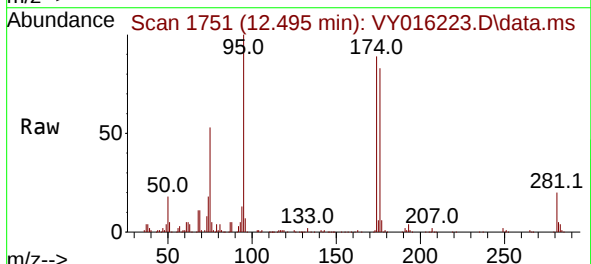
Manual Integrations
APPROVED

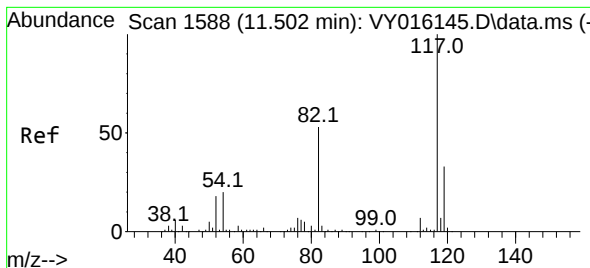
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#62
4-Bromofluorobenzene
Concen: 46.255 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

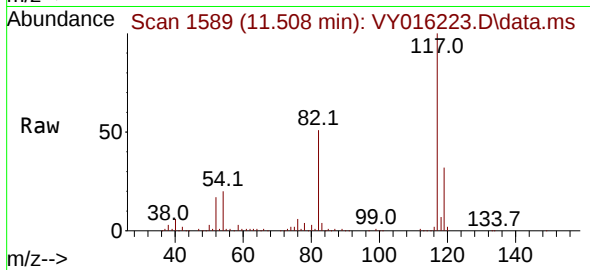
Tgt Ion: 95 Resp: 94139
Ion Ratio Lower Upper
95 100
174 87.8 0.0 178.2
176 84.3 0.0 173.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1158
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

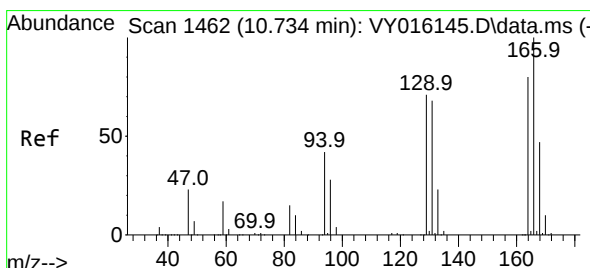
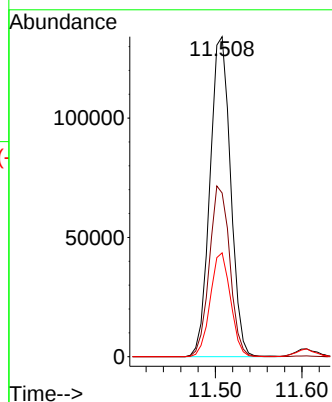
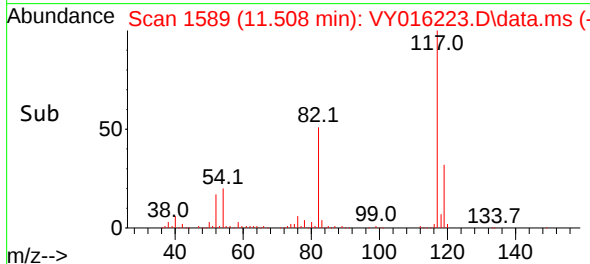
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:117 Resp: 221680
Ion Ratio Lower Upper
117 100
82 51.2 43.4 65.0
119 32.4 26.3 39.5

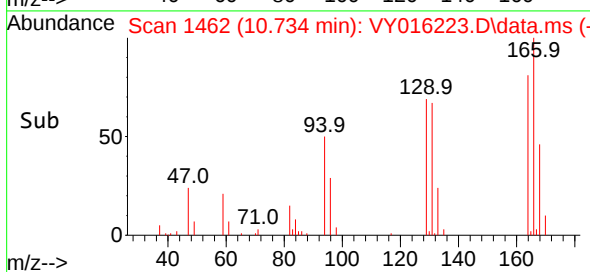
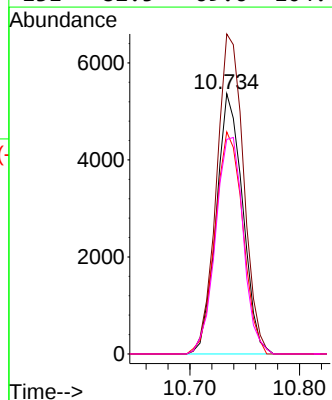
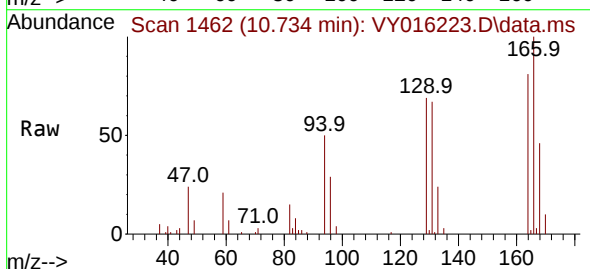
Manual Integrations
APPROVED

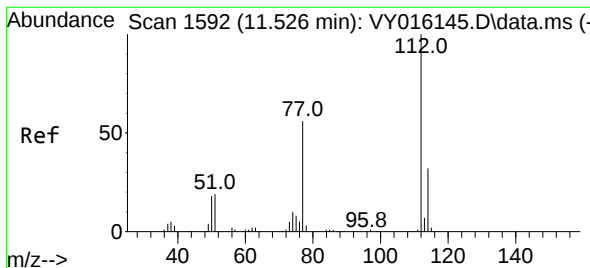
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#64
Tetrachloroethene
Concen: 4.558 ug/l
RT: 10.734 min Scan# 1462
Delta R.T. 0.000 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Tgt Ion:164 Resp: 8988
Ion Ratio Lower Upper
164 100
166 122.9 103.0 154.6
129 85.3 77.2 115.8
131 82.5 69.6 104.4





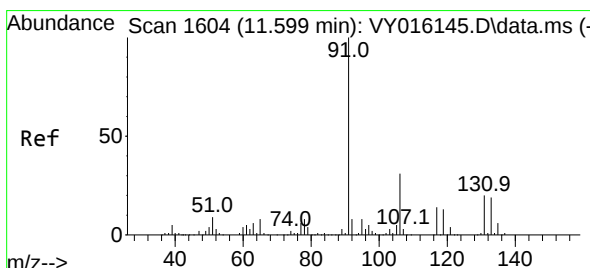
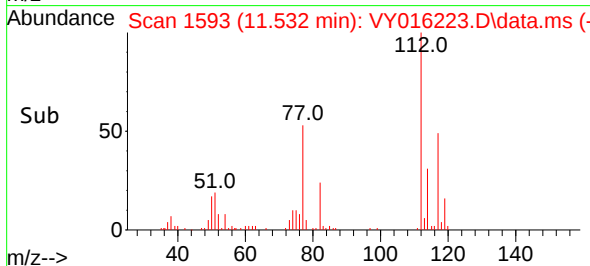
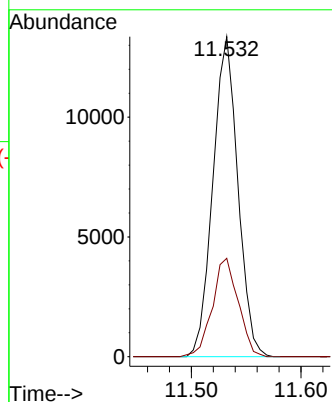
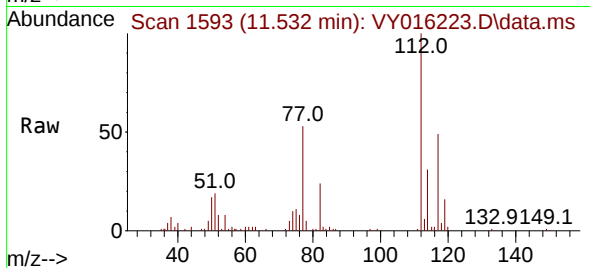
#65
Chlorobenzene
Concen: 4.795 ug/l
RT: 11.532 min Scan# 1112
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:112 Resp: 21120
Ion Ratio Lower Upper
112 100
114 30.8 25.5 38.3

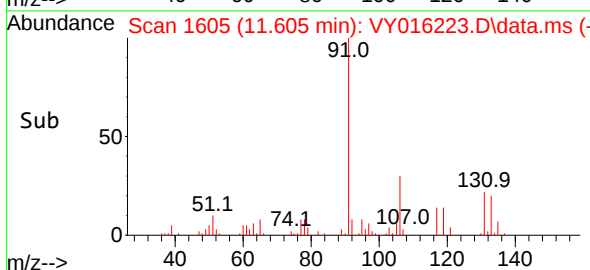
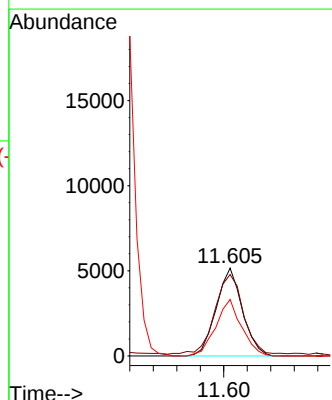
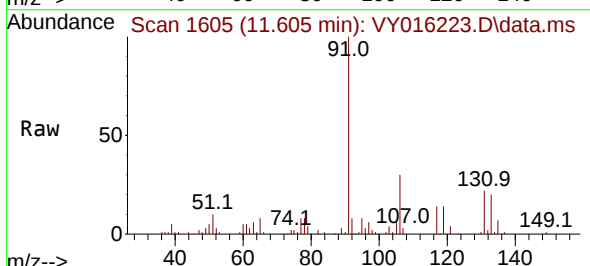
Manual Integrations
APPROVED

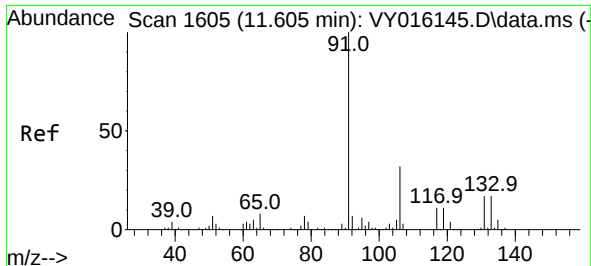
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 4.881 ug/l
RT: 11.605 min Scan# 1605
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Tgt Ion:131 Resp: 7963
Ion Ratio Lower Upper
131 100
133 101.1 47.5 142.6
119 63.4 31.6 94.7





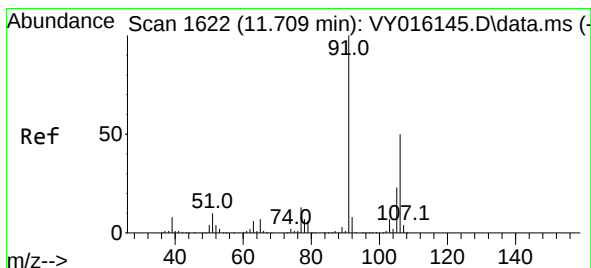
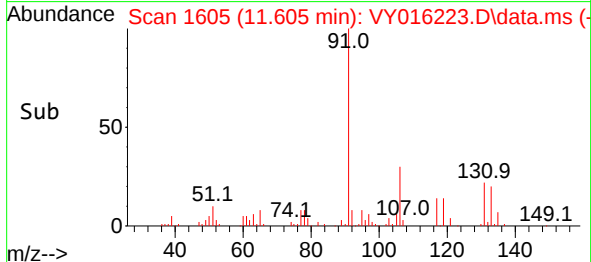
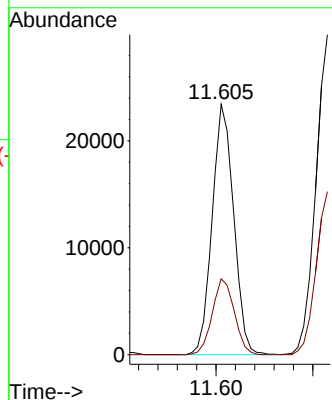
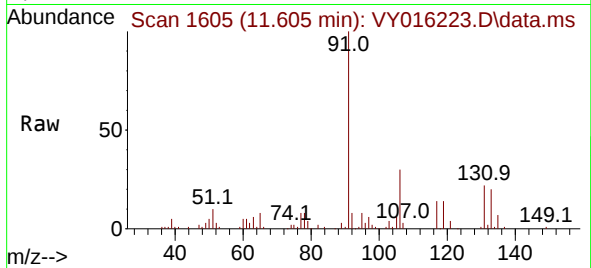
#67
Ethyl Benzene
Concen: 4.592 ug/l
RT: 11.605 min Scan# 1605
Delta R.T. 0.000 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion: 91 Resp: 3617
Ion Ratio Lower Upper
91 100
106 30.3 24.6 36.8

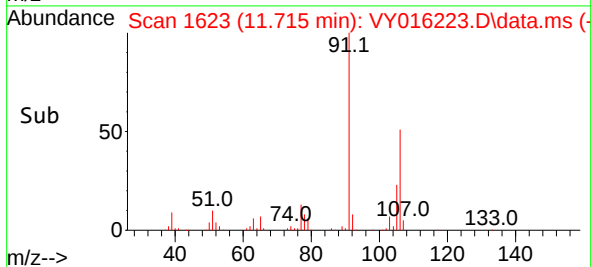
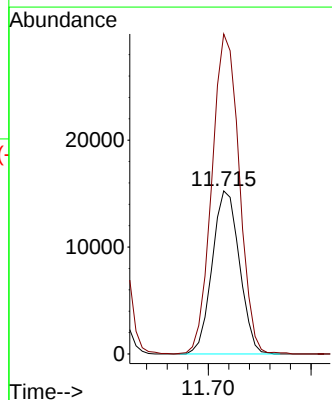
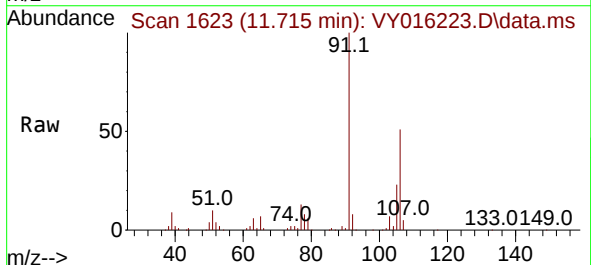
Manual Integrations
APPROVED

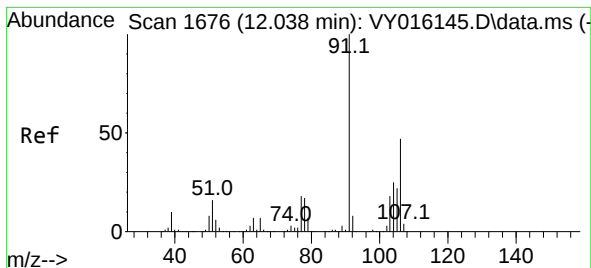
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#68
m/p-Xylenes
Concen: 9.206 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Tgt Ion:106 Resp: 28025
Ion Ratio Lower Upper
106 100
91 197.2 166.1 249.1





#69

o-Xylene

Concen: 4.512 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. 0.006 min

Lab File: VY016223.D

Acq: 03 Nov 2023 20:41

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion:106 Resp: 13114

Ion Ratio Lower Upper

106 100

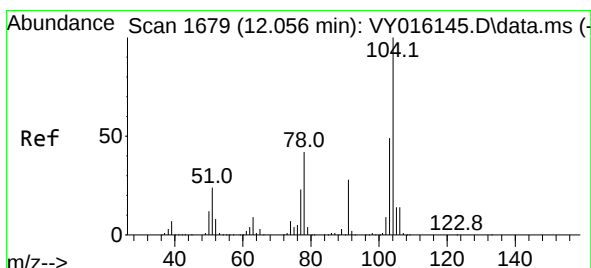
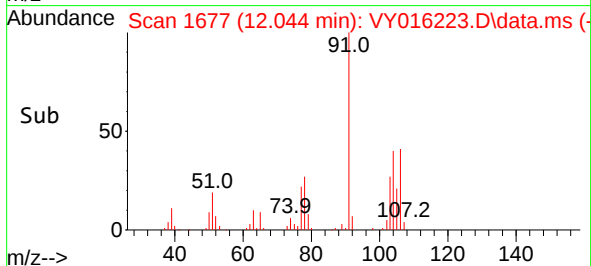
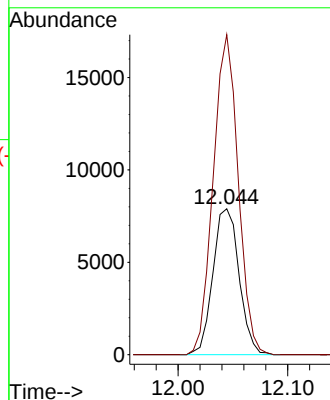
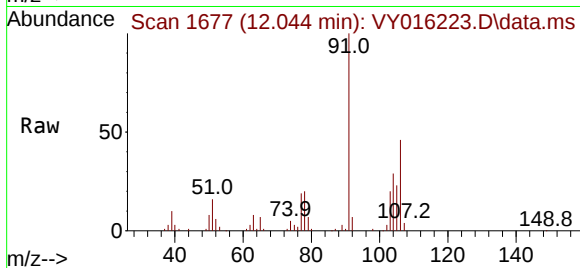
91 208.9 108.1 324.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#70

Styrene

Concen: 4.278 ug/l

RT: 12.056 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VY016223.D

Acq: 03 Nov 2023 20:41

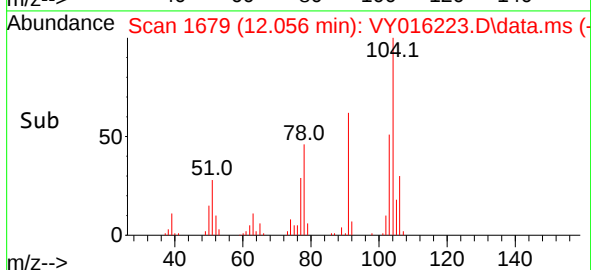
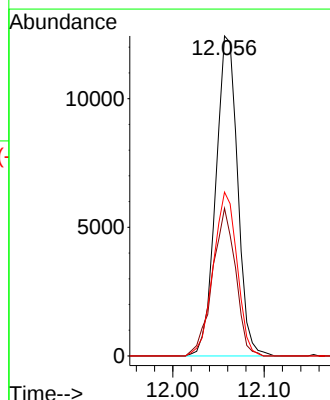
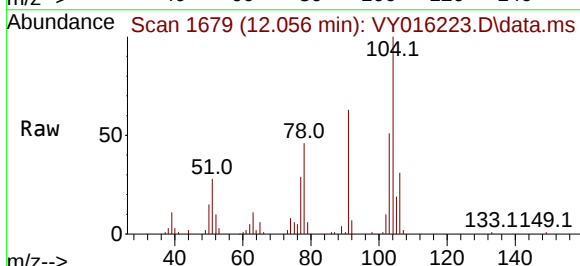
Tgt Ion:104 Resp: 20669

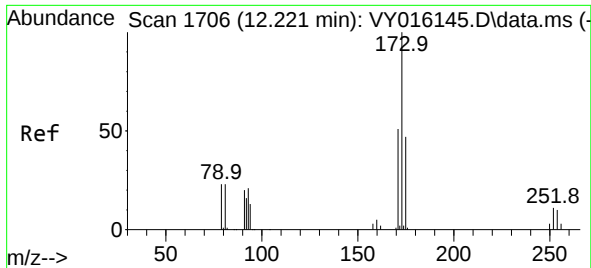
Ion Ratio Lower Upper

104 100

78 48.7 41.5 62.3

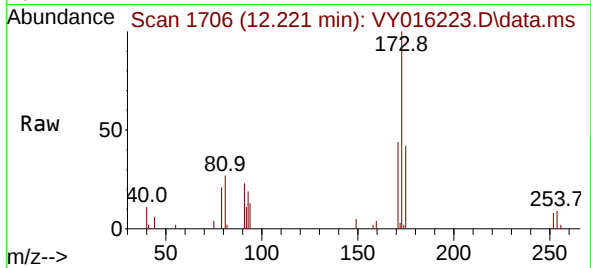
103 55.7 44.6 67.0





#71
Bromoform
Concen: 4.655 ug/l
RT: 12.221 min Scan# 1706
Delta R.T. 0.000 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

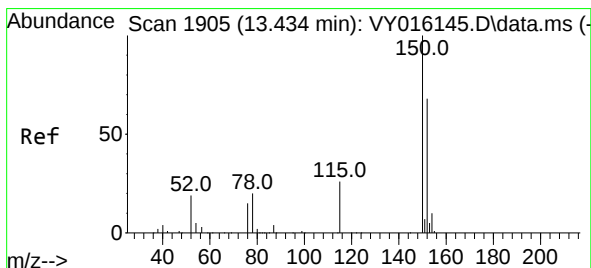
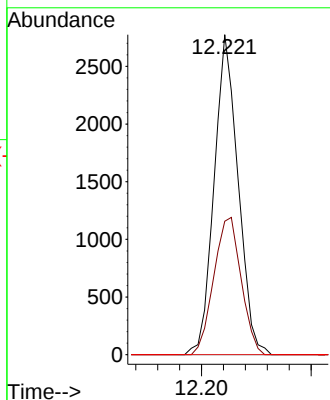
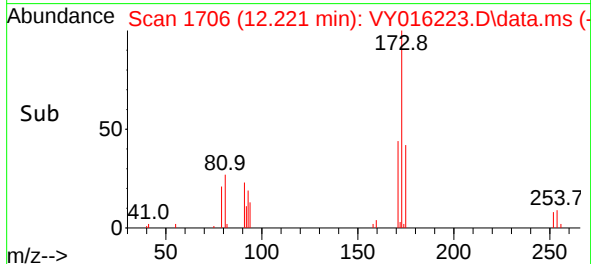
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:173 Resp: 421
Ion Ratio Lower Upper
173 100
175 49.0 24.6 73.8
254 0.0 0.2 0.2

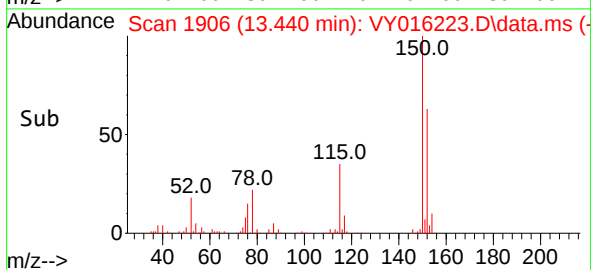
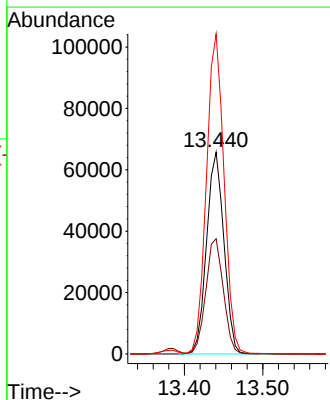
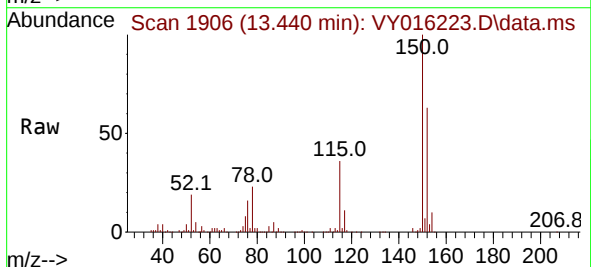
Manual Integrations
APPROVED

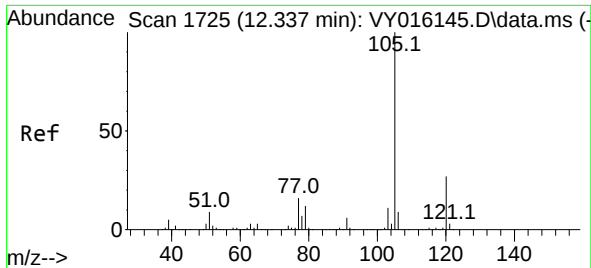
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Tgt Ion:152 Resp: 101060
Ion Ratio Lower Upper
152 100
115 57.8 28.8 86.5
150 160.8 0.0 348.8





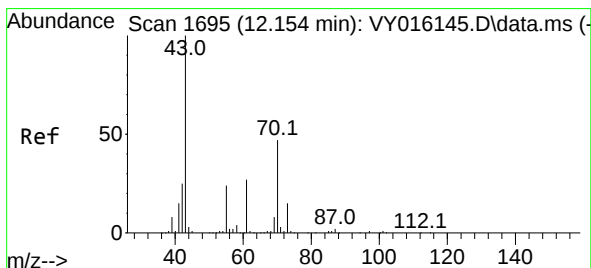
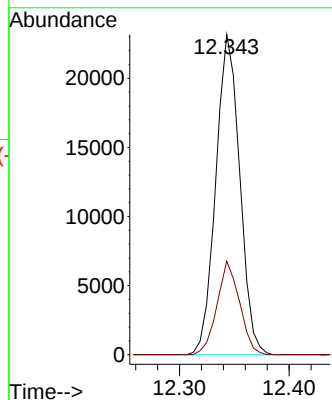
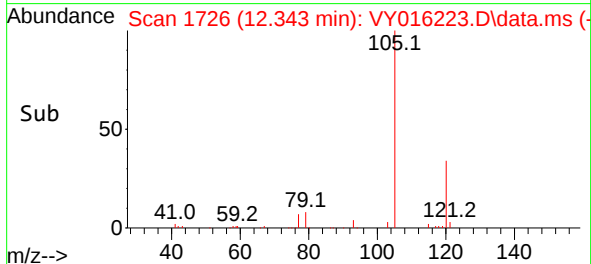
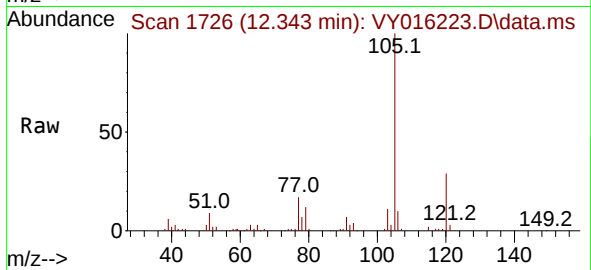
#73
Isopropylbenzene
Concen: 4.641 ug/l
RT: 12.343 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:105 Resp: 35179
Ion Ratio Lower Upper
105 100
120 27.5 13.3 39.9

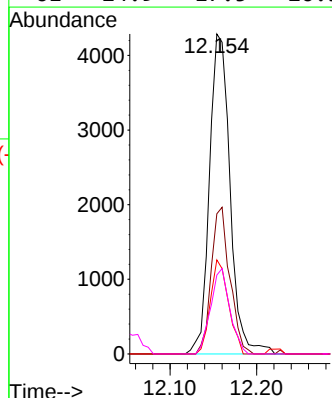
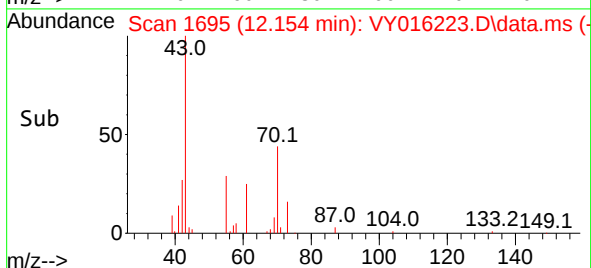
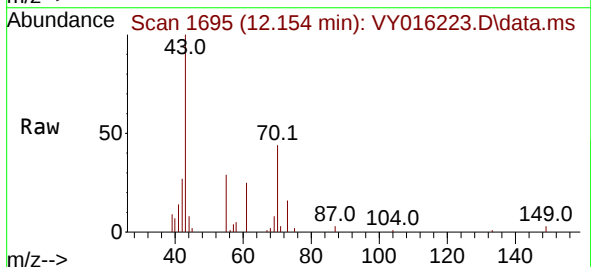
Manual Integrations
APPROVED

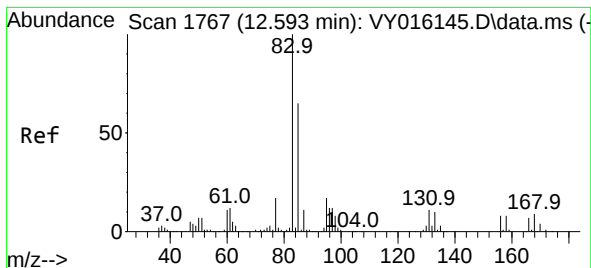
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#74
N-ethyl acetate
Concen: 4.303 ug/l
RT: 12.154 min Scan# 1695
Delta R.T. 0.000 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Tgt Ion: 43 Resp: 7089
Ion Ratio Lower Upper
43 100
70 41.4 29.7 44.5
55 25.7 18.3 27.5
61 24.9 17.5 26.3





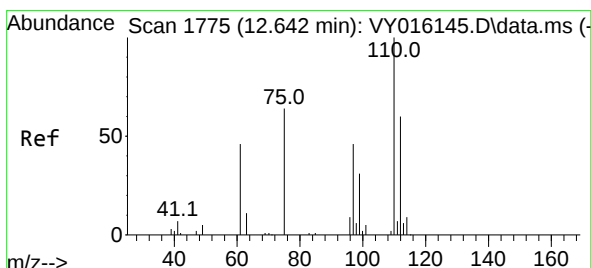
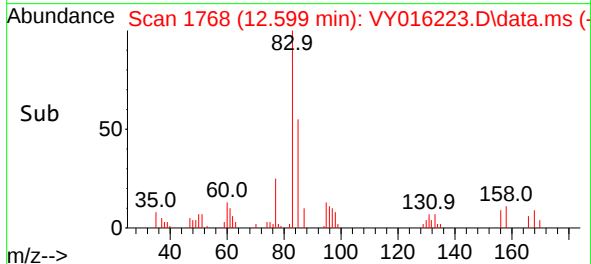
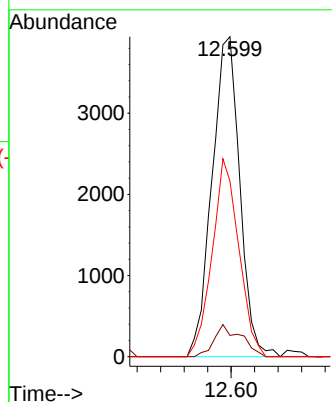
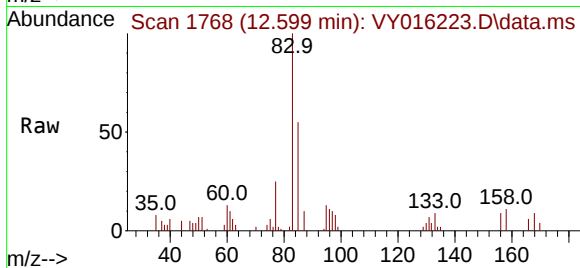
#75
1,1,2,2-Tetrachloroethane
Concen: 5.372 ug/l
RT: 12.599 min Scan# 1767
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion: 83 Resp: 6480
Ion Ratio Lower Upper
83 100
131 9.8 5.4 16.2
85 59.3 31.8 95.4

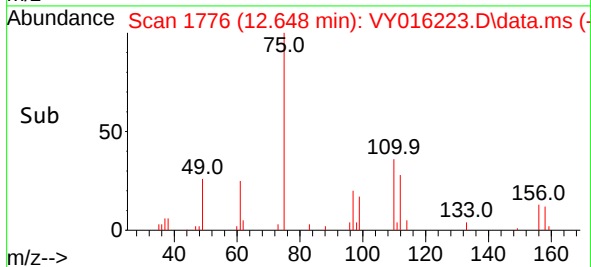
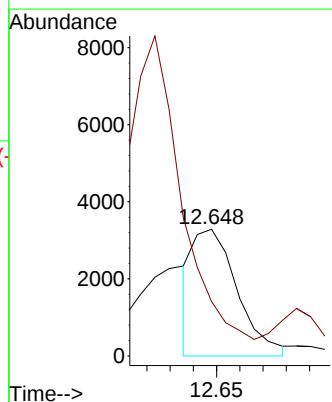
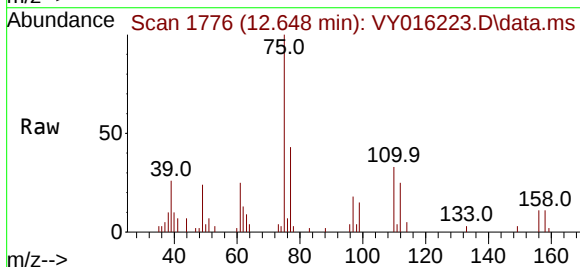
Manual Integrations
APPROVED

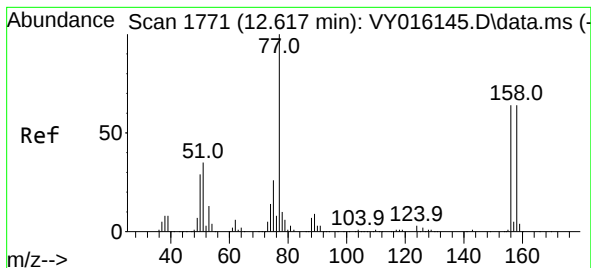
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#76
1,2,3-Trichloropropane
Concen: 4.589 ug/l m
RT: 12.648 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Tgt Ion: 75 Resp: 4367
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.943 ug/l

RT: 12.623 min Scan# 1771

Delta R.T. 0.006 min

Lab File: VY016223.D

Acq: 03 Nov 2023 20:41

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2023

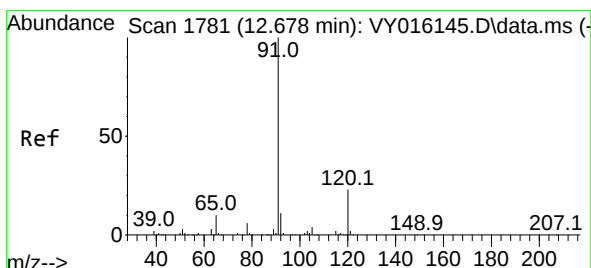
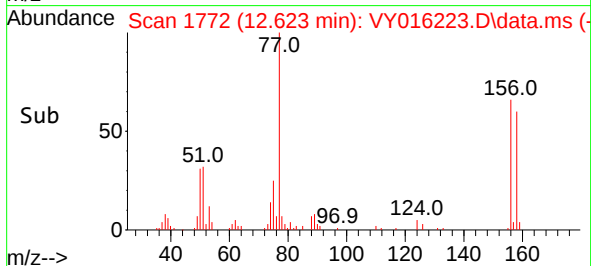
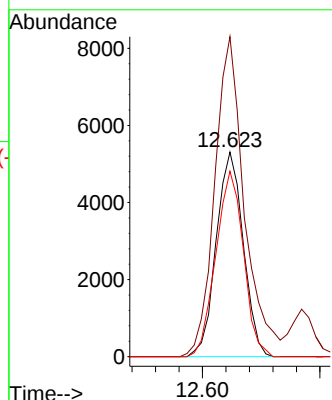
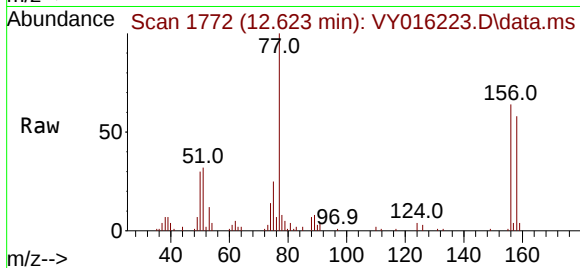
Tgt Ion:	156	Resp:	848
Ion Ratio	Lower	Upper	
156	100		
77	171.3	92.8	278.6
158	92.5	48.4	145.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#78

n-propylbenzene

Concen: 4.636 ug/l

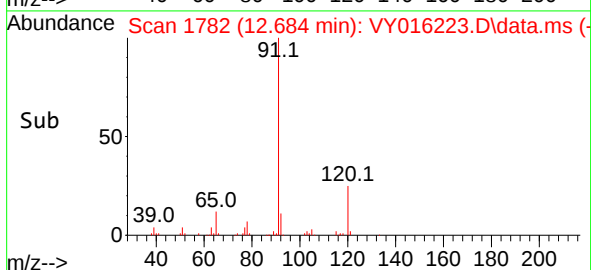
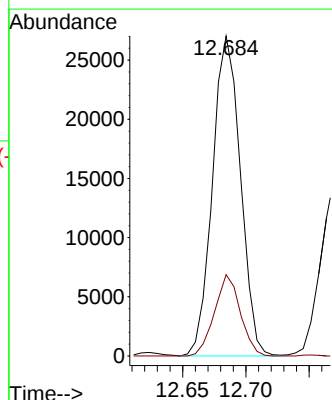
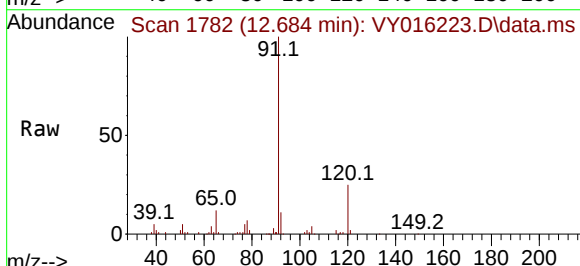
RT: 12.684 min Scan# 1782

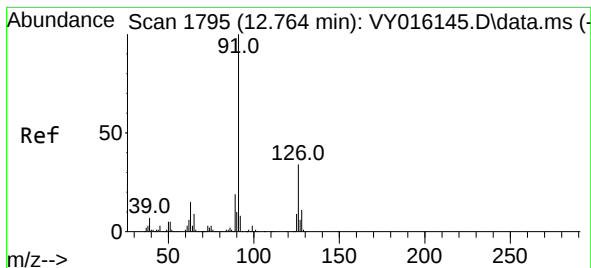
Delta R.T. 0.006 min

Lab File: VY016223.D

Acq: 03 Nov 2023 20:41

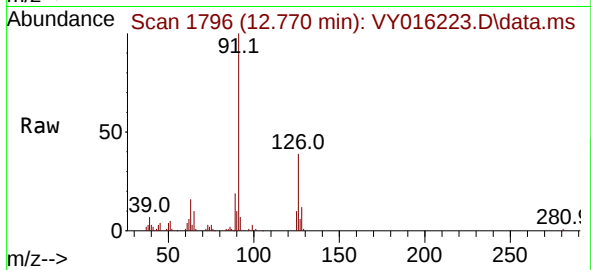
Tgt Ion:	91	Resp:	41554
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.4





#79
2-Chlorotoluene
Concen: 4.701 ug/l
RT: 12.770 min Scan# 1795
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

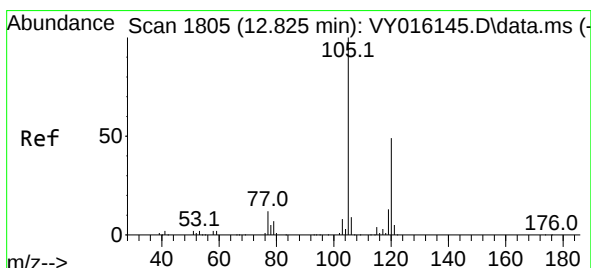
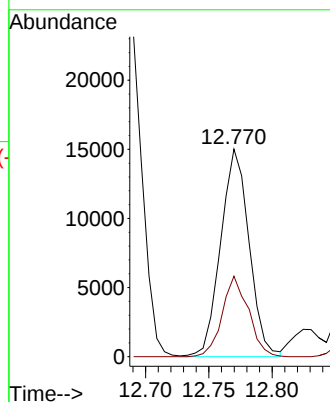
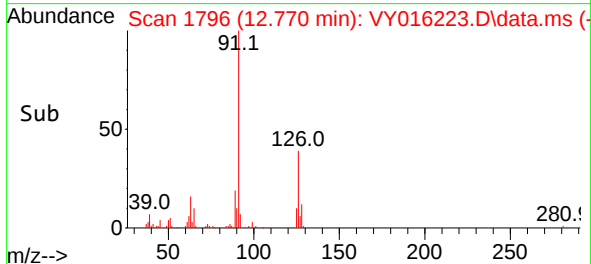
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 91 Resp: 2350
Ion Ratio Lower Upper
91 100
126 35.7 17.3 51.7

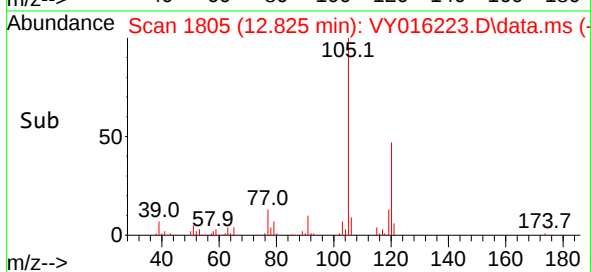
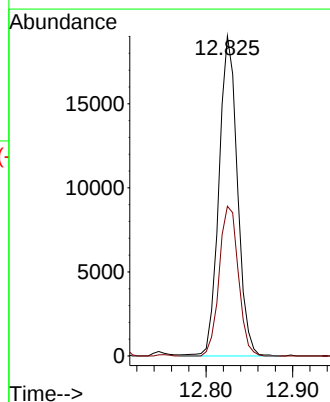
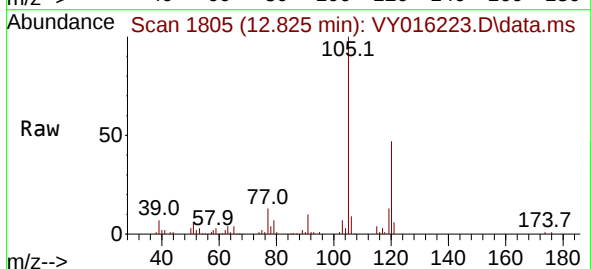
Manual Integrations
APPROVED

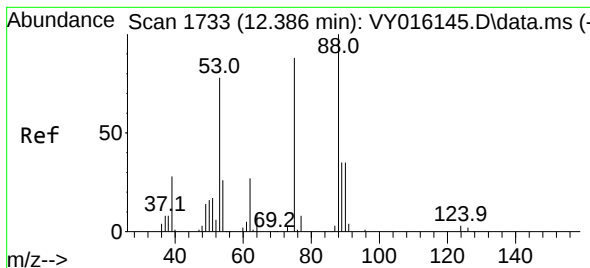
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#80
1,3,5-Trimethylbenzene
Concen: 4.591 ug/l
RT: 12.825 min Scan# 1805
Delta R.T. 0.000 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

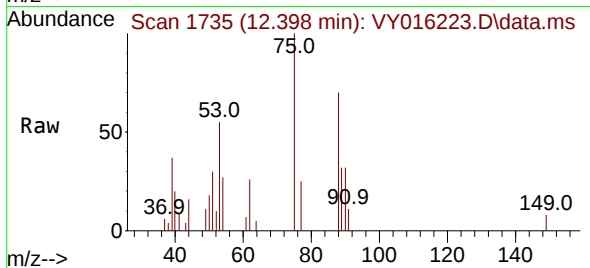
Tgt Ion:105 Resp: 28198
Ion Ratio Lower Upper
105 100
120 48.4 23.9 71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 4.709 ug/l
RT: 12.398 min Scan# 1735
Delta R.T. 0.012 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

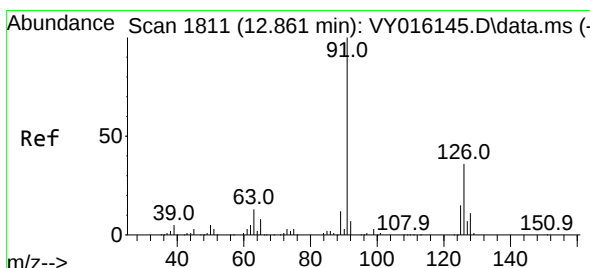
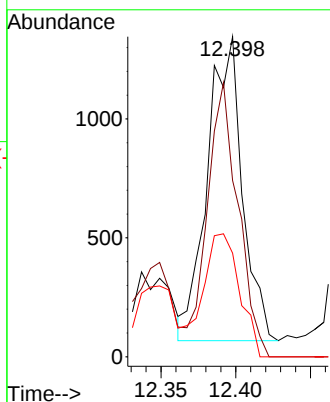
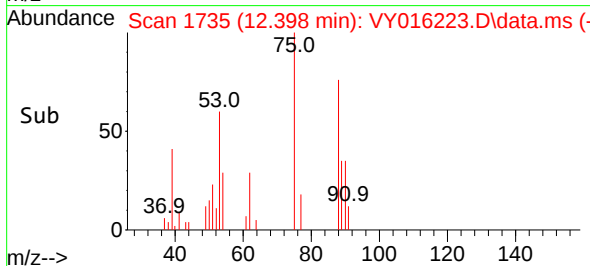
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 75 Resp: 206
Ion Ratio Lower Upper
75 100
53 79.1 77.8 116.8
89 41.1 37.4 56.0

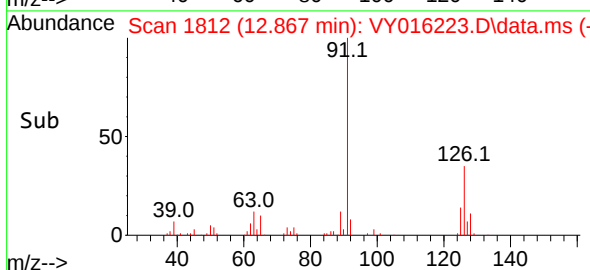
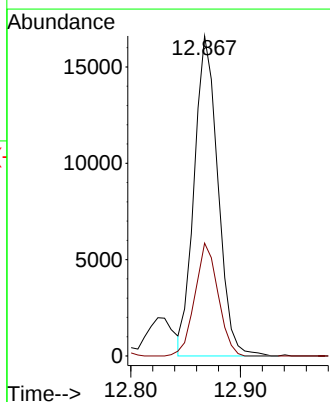
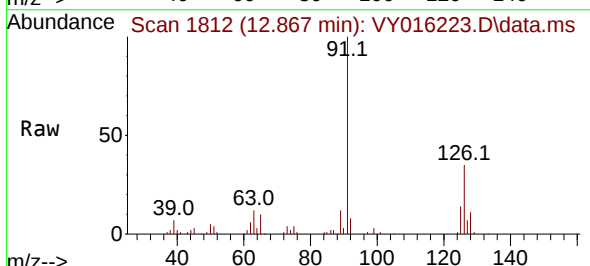
Manual Integrations
APPROVED

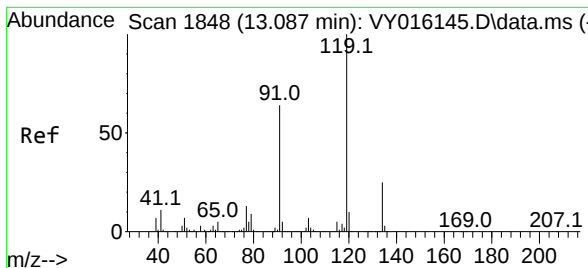
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#82
4-Chlorotoluene
Concen: 4.867 ug/l
RT: 12.867 min Scan# 1812
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Tgt Ion: 91 Resp: 24983
Ion Ratio Lower Upper
91 100
126 34.5 17.2 51.6





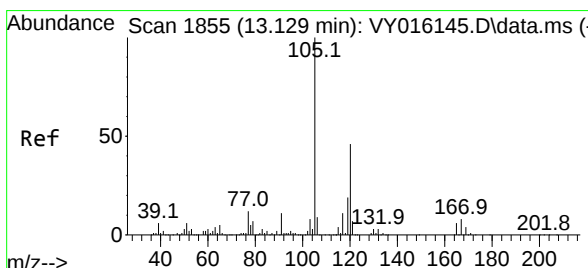
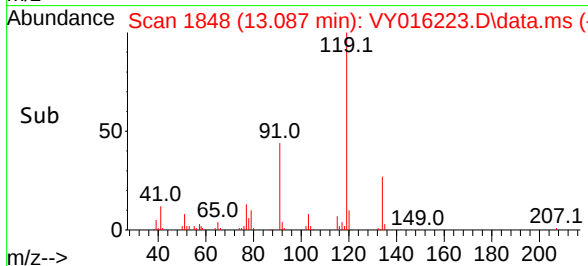
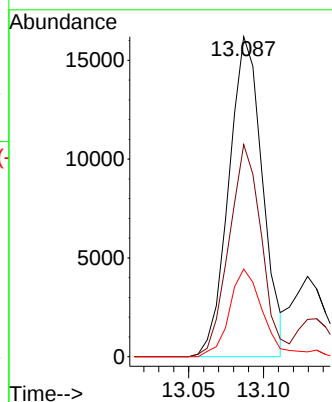
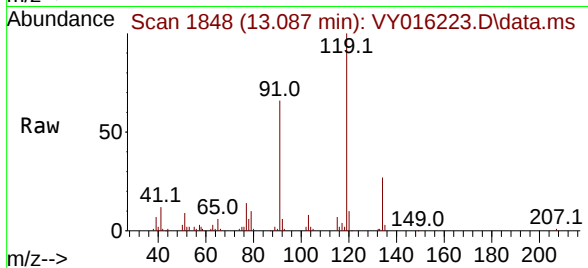
#83
tert-Butylbenzene
Concen: 4.622 ug/l
RT: 13.087 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:119 Resp: 25399
Ion Ratio Lower Upper
119 100
91 64.1 32.9 98.6
134 27.7 13.0 38.9

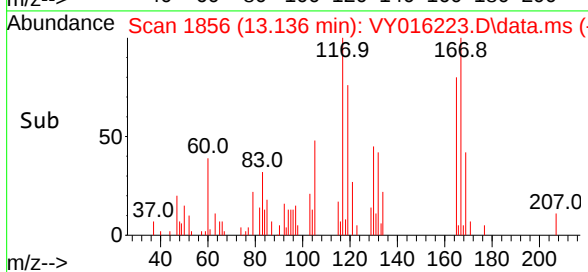
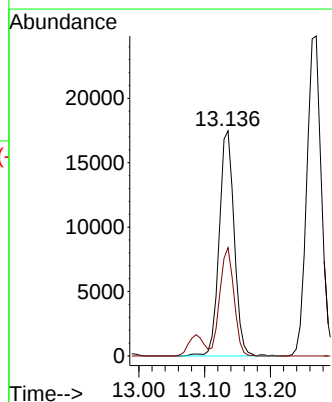
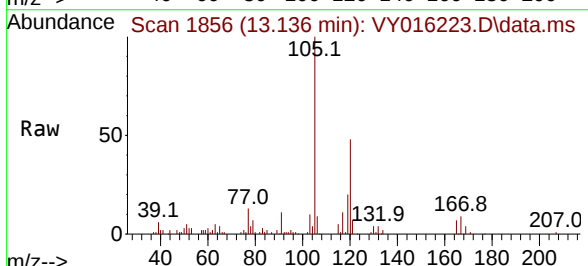
Manual Integrations
APPROVED

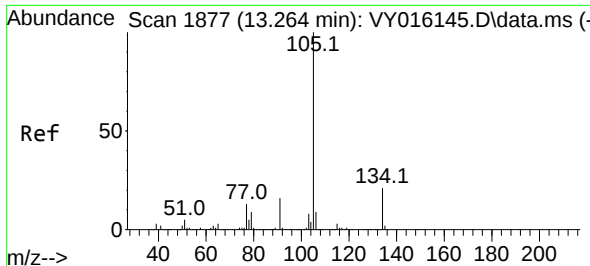
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#84
1,2,4-Trimethylbenzene
Concen: 4.564 ug/l
RT: 13.136 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Tgt Ion:105 Resp: 27737
Ion Ratio Lower Upper
105 100
120 45.6 22.2 66.6





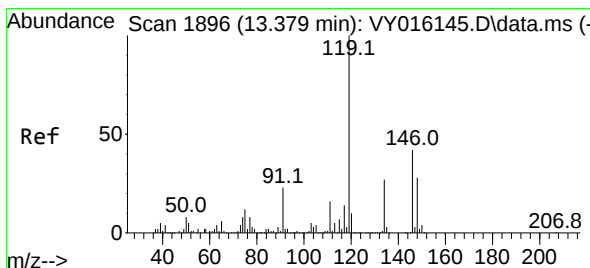
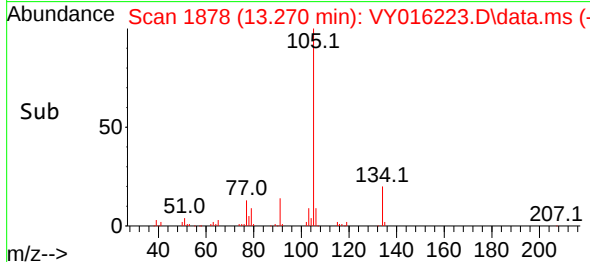
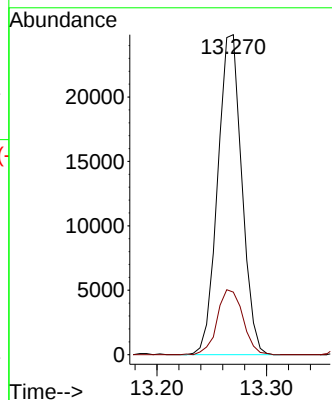
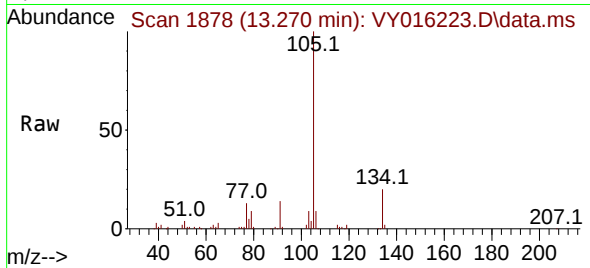
#85
 sec-Butylbenzene
 Concen: 4.705 ug/l
 RT: 13.270 min Scan# 1877
 Delta R.T. 0.006 min
 Lab File: VY016223.D
 Acq: 03 Nov 2023 20:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023

Tgt Ion:105 Resp: 37940
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.2 30.6

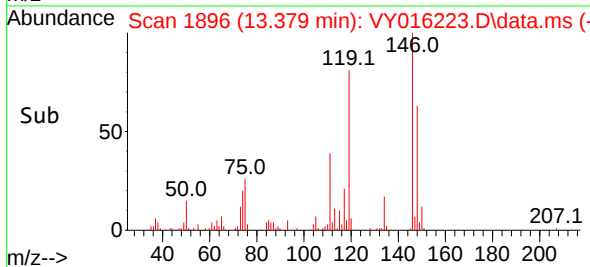
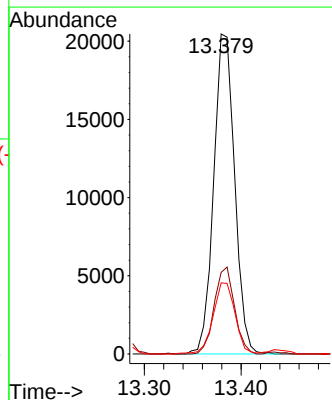
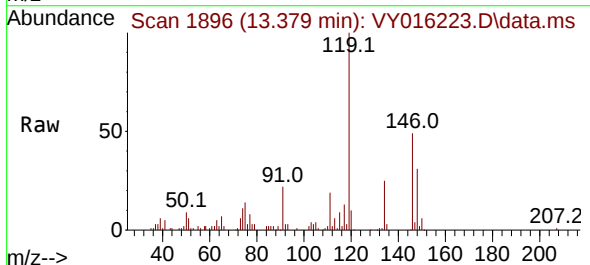
Manual Integrations
 APPROVED

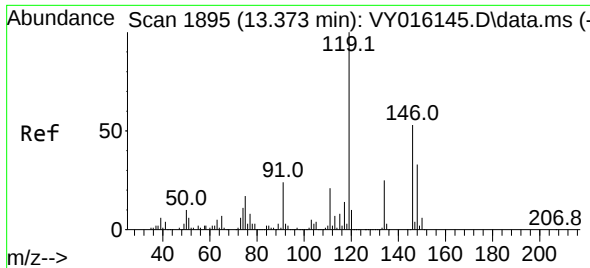
Reviewed By :John Carlone 11/06/2023
 Supervised By :Mahesh Dadoda 11/06/2023



#86
 p-Isopropyltoluene
 Concen: 4.603 ug/l
 RT: 13.379 min Scan# 1896
 Delta R.T. 0.000 min
 Lab File: VY016223.D
 Acq: 03 Nov 2023 20:41

Tgt Ion:119 Resp: 30768
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.3 39.8
 91 23.2 12.4 37.4





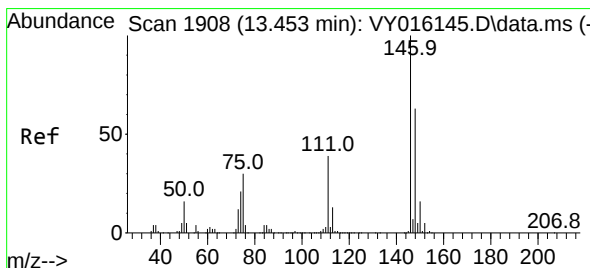
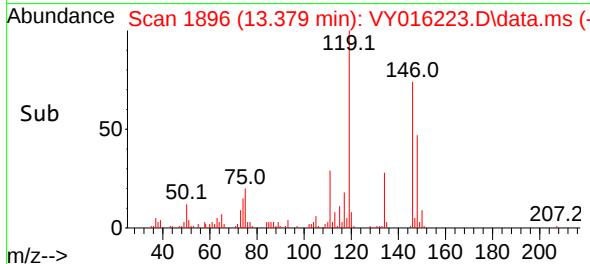
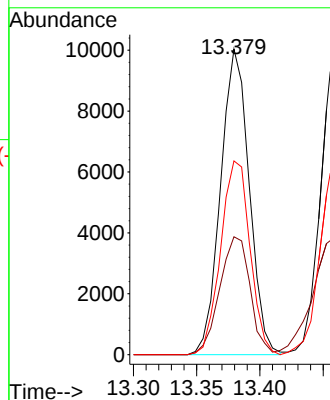
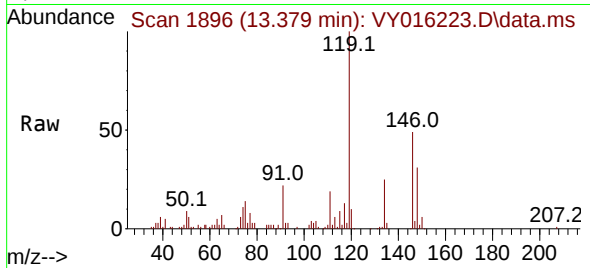
#87
1,3-Dichlorobenzene
Concen: 4.649 ug/l
RT: 13.379 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT4-2023

Tgt Ion:146 Resp: 15784
Ion Ratio Lower Upper
146 100
111 40.9 19.4 58.2
148 65.0 31.9 95.5

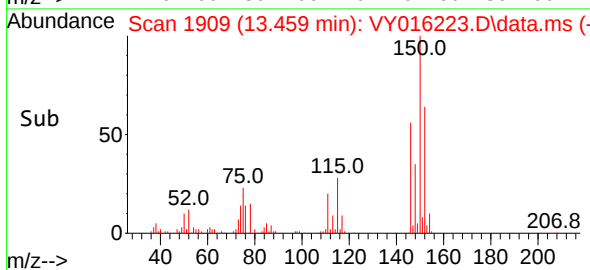
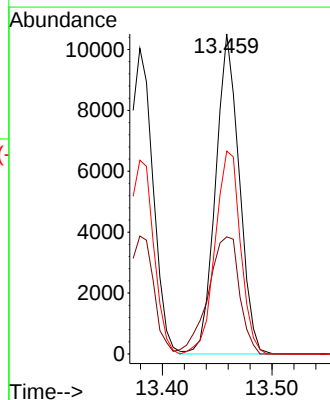
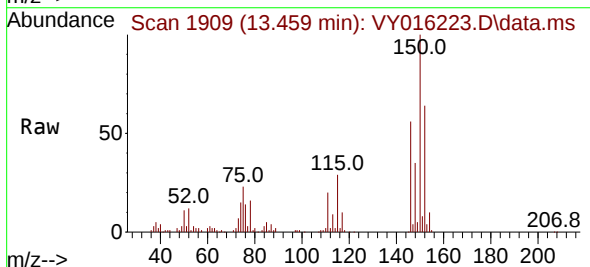
Manual Integrations
APPROVED

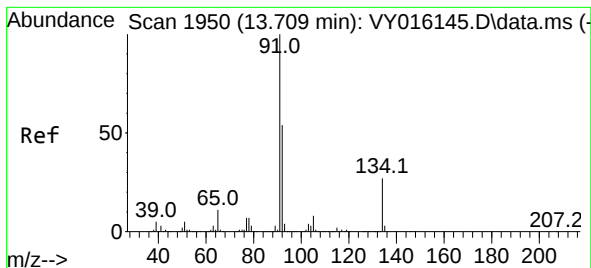
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#88
1,4-Dichlorobenzene
Concen: 4.693 ug/l
RT: 13.459 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Tgt Ion:146 Resp: 15748
Ion Ratio Lower Upper
146 100
111 48.6 18.9 56.7
148 68.1 32.1 96.5





#89

n-Butylbenzene

Concen: 4.522 ug/l

RT: 13.709 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VY016223.D

Acq: 03 Nov 2023 20:41

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2023

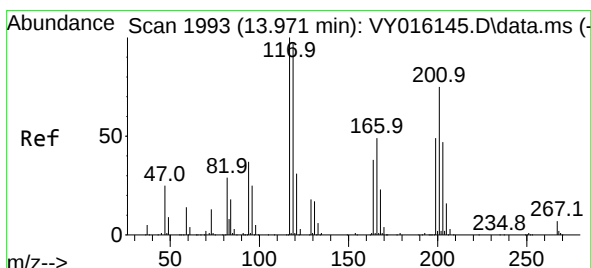
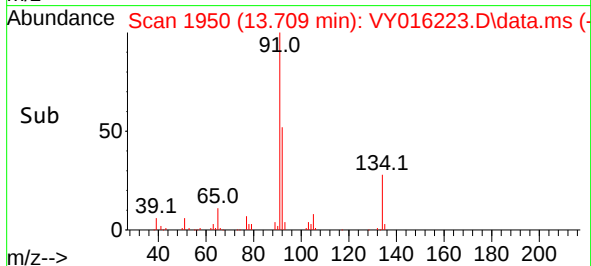
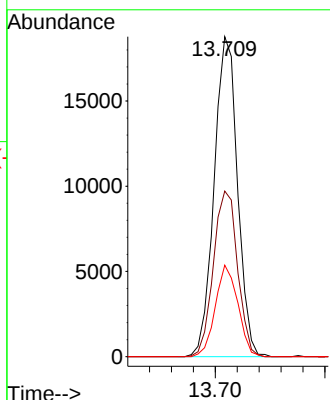
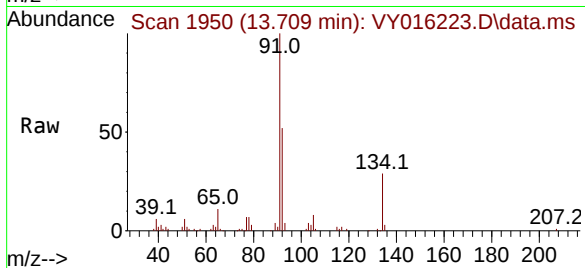
Tgt Ion:	91	Resp:	2777
Ion Ratio	Lower	Upper	
91	100		
92	53.6	25.4	76.0
134	27.7	12.6	37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#90

Hexachloroethane

Concen: 4.924 ug/l

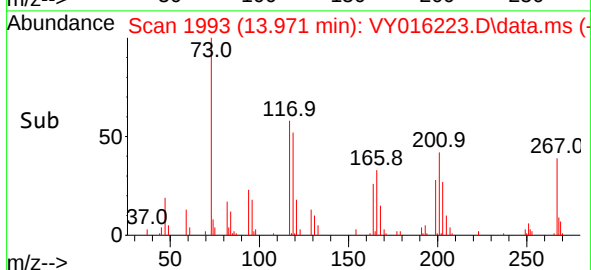
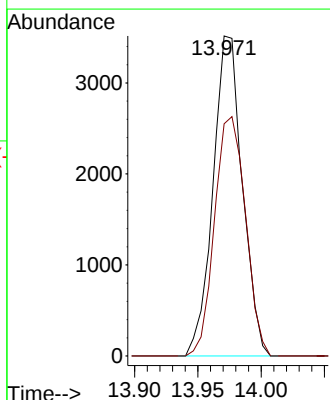
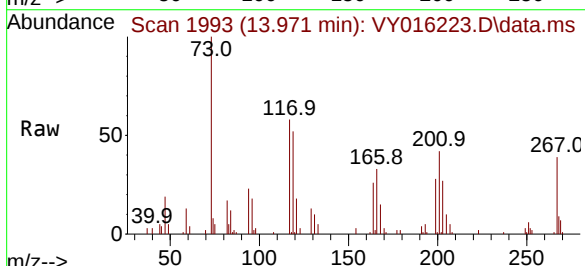
RT: 13.971 min Scan# 1993

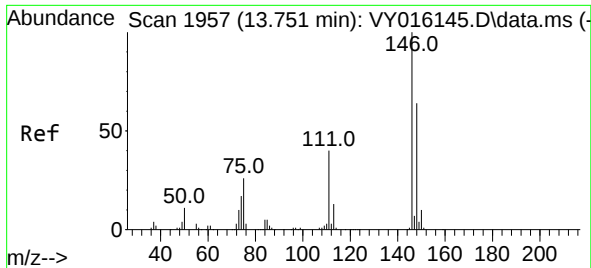
Delta R.T. -0.000 min

Lab File: VY016223.D

Acq: 03 Nov 2023 20:41

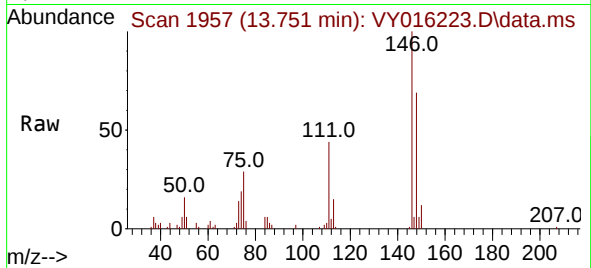
Tgt Ion:	117	Resp:	5672
Ion Ratio	Lower	Upper	
117	100		
201	78.8	41.6	124.8





#91
1,2-Dichlorobenzene
Concen: 4.945 ug/l
RT: 13.751 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

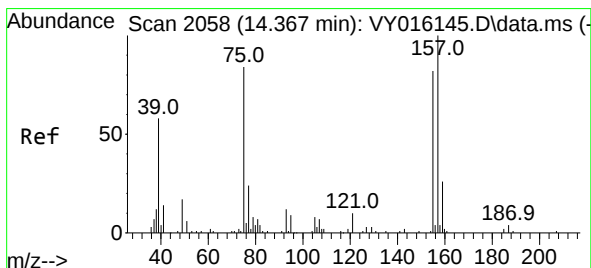
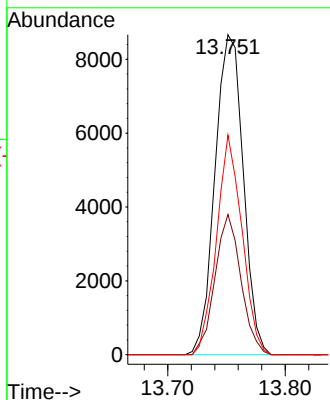
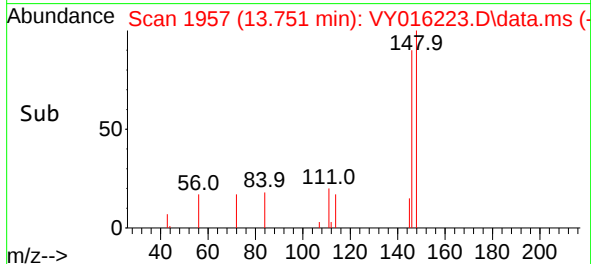
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023



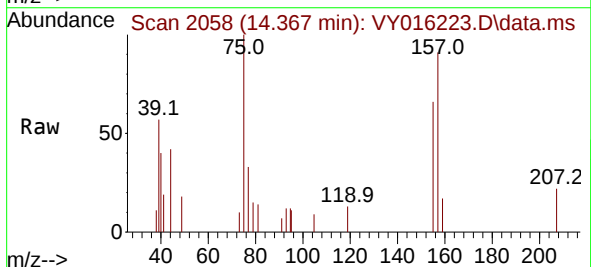
Tgt Ion:146 Resp: 14504
Ion Ratio Lower Upper
146 100
111 40.2 19.7 59.0
148 61.8 32.0 96.2

Manual Integrations
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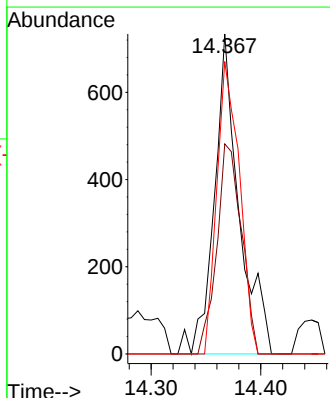
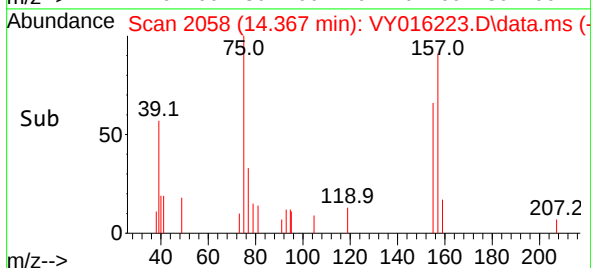
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023

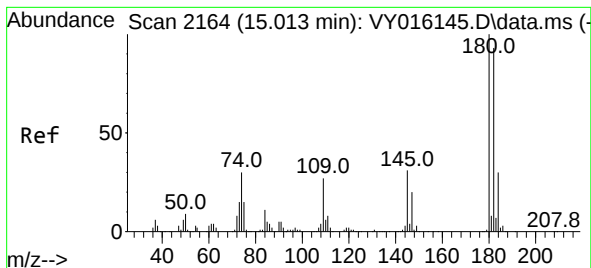


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.369 ug/l
RT: 14.367 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41



Tgt Ion: 75 Resp: 1159
Ion Ratio Lower Upper
75 100
155 65.1 41.5 124.6
157 82.9 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 4.317 ug/l

RT: 15.019 min Scan# 2164

Delta R.T. 0.006 min

Lab File: VY016223.D

Acq: 03 Nov 2023 20:41

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2023

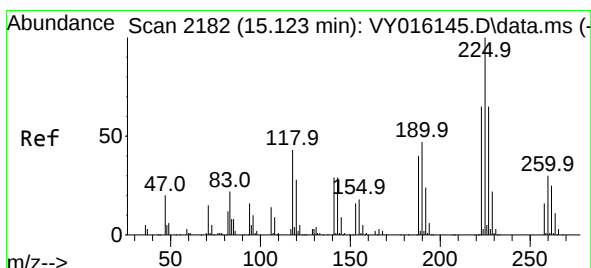
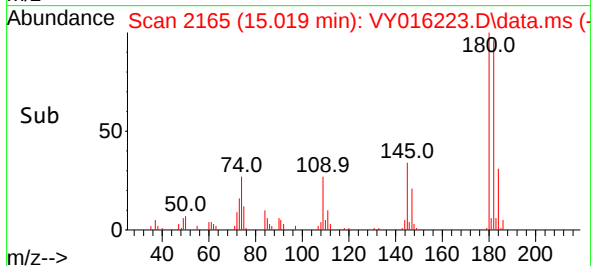
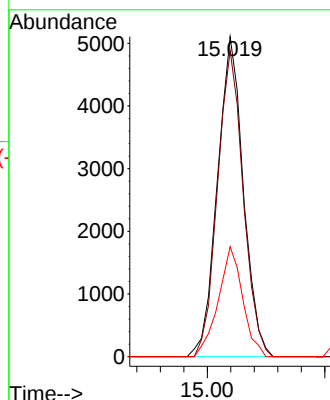
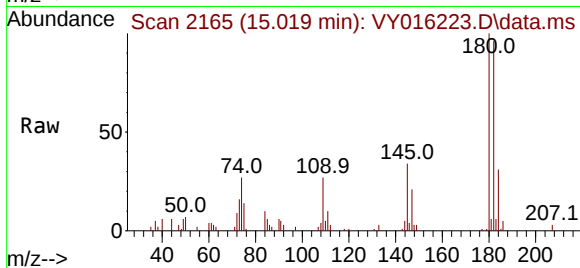
Tgt Ion:180	Resp:	7810
Ion Ratio	Lower	Upper
180	100	
182	94.6	47.0 141.2
145	32.4	14.5 43.5

Manual Integrations

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Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#94

Hexachlorobutadiene

Concen: 4.914 ug/l

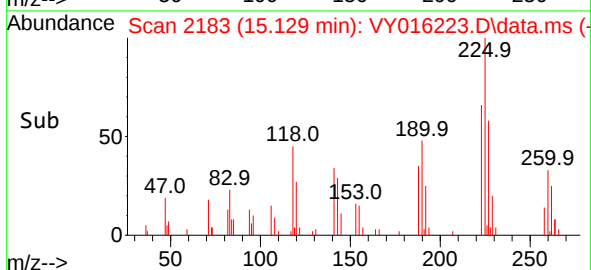
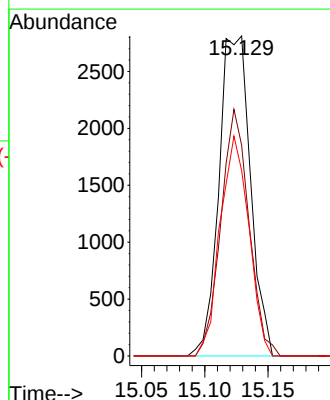
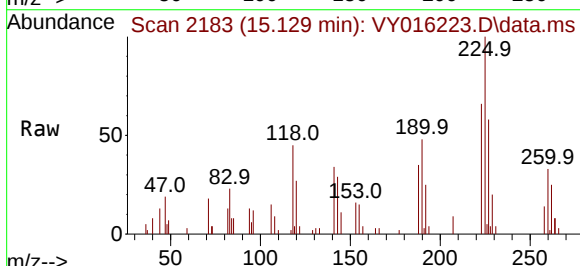
RT: 15.129 min Scan# 2183

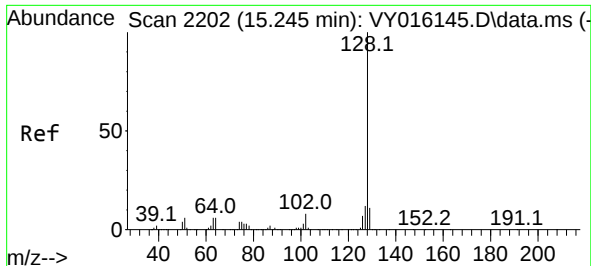
Delta R.T. 0.006 min

Lab File: VY016223.D

Acq: 03 Nov 2023 20:41

Tgt Ion:225	Resp:	4861
Ion Ratio	Lower	Upper
225	100	
223	68.5	31.9 95.9
227	62.7	33.0 98.9





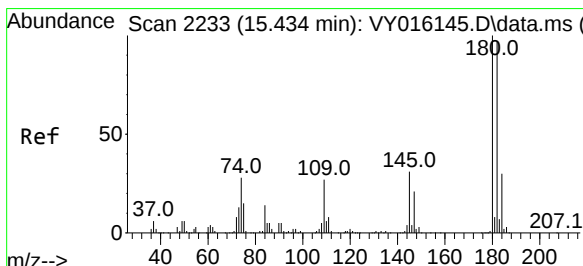
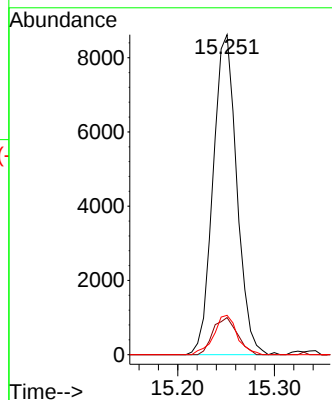
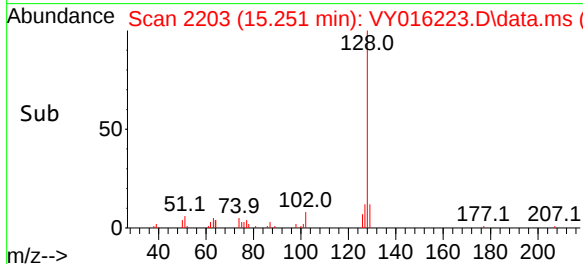
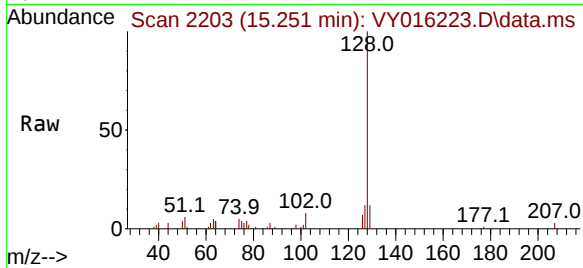
#95
Naphthalene
Concen: 4.172 ug/l
RT: 15.251 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:128 Resp: 14674
Ion Ratio Lower Upper
128 100
127 11.9 10.8 16.2
129 12.2 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#96
1,2,3-Trichlorobenzene
Concen: 4.281 ug/l
RT: 15.434 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY016223.D
Acq: 03 Nov 2023 20:41

Tgt Ion:180 Resp: 6621
Ion Ratio Lower Upper
180 100
182 97.2 47.3 141.8
145 31.0 15.4 46.2

