

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110323\
 Data File : VY016221.D
 Acq On : 03 Nov 2023 19:55
 Operator : SY/MD
 Sample : 04699-03 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT4-2023

Quant Time: Nov 04 00:15:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 04 00:14:51 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	151530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.709	114	254849	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	223538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	105767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	77324	54.534	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.060%			
35) Dibromofluoromethane	7.740	113	73513	48.385	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.760%			
50) Toluene-d8	10.197	98	294460	48.882	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.760%			
62) 4-Bromofluorobenzene	12.495	95	97804	47.481	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.960%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	1760	1.821	ug/l	94
3) Chloromethane	2.119	50	2735	2.044	ug/l	99
4) Vinyl Chloride	2.259	62	3299	2.388	ug/l	98
5) Bromomethane	2.668	94	2097	2.250	ug/l	92
6) Chloroethane	2.802	64	1834	1.886	ug/l	92
7) Trichlorofluoromethane	3.137	101	4451	2.134	ug/l	95
8) Diethyl Ether	3.552	74	1694	2.451	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.918	101	2598	1.978	ug/l #	83
10) Methyl Iodide	4.113	142	3005	2.057	ug/l	97
11) Tert butyl alcohol	4.978	59	2026	19.124	ug/l #	89
12) 1,1-Dichloroethene	3.893	96	2404	2.005	ug/l	83
13) Acrolein	3.759	56	819	7.709	ug/l	95
14) Allyl chloride	4.509	41	3773	2.200	ug/l	97
15) Acrylonitrile	5.186	53	3324	11.255	ug/l	98
16) Acetone	3.966	43	3784	14.445	ug/l	98
17) Carbon Disulfide	4.216	76	5118	1.710	ug/l	96
18) Methyl Acetate	4.503	43	3102	2.720	ug/l	92
19) Methyl tert-butyl Ether	5.240	73	7496	2.198	ug/l	94
20) Methylene Chloride	4.734	84	9846	6.098	ug/l #	81
21) trans-1,2-Dichloroethene	5.234	96	2876	2.059	ug/l #	79
22) Diisopropyl ether	6.143	45	8986	2.166	ug/l	95
23) Vinyl Acetate	6.082	43	20546	10.088	ug/l	96
24) 1,1-Dichloroethane	6.045	63	5449	2.195	ug/l	96
25) 2-Butanone	7.008	43	4277	10.933	ug/l	94
26) 2,2-Dichloropropane	6.996	77	4706	2.005	ug/l	96
27) cis-1,2-Dichloroethene	7.008	96	3598	2.189	ug/l	91
28) Bromochloromethane	7.362	49	2127	2.289	ug/l #	86
29) Tetrahydrofuran	7.368	42	2743	11.186	ug/l #	89
30) Chloroform	7.533	83	9018	3.336	ug/l	87
31) Cyclohexane	7.807	56	6464	2.966	ug/l #	51
32) 1,1,1-Trichloroethane	7.722	97	5057	2.040	ug/l	98
36) 1,1-Dichloropropene	7.941	75	4728	2.155	ug/l	93
37) Ethyl Acetate	7.094	43	2277	2.330	ug/l #	95
38) Carbon Tetrachloride	7.917	117	4364	2.008	ug/l	92
39) Methylcyclohexane	9.203	83	4514	1.724	ug/l #	88
40) Benzene	8.179	78	12903	2.049	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	903	1.592	ug/l	90
42) 1,2-Dichloroethane	8.258	62	4316	2.455	ug/l	94
43) Isopropyl Acetate	8.289	43	3975	2.057	ug/l #	90
44) Trichloroethene	8.959	130	3484	1.890	ug/l	97
45) 1,2-Dichloropropane	9.234	63	3187	2.103	ug/l #	86
46) Dibromomethane	9.325	93	1852	2.155	ug/l	95
47) Bromodichloromethane	9.514	83	5861	2.684	ug/l	89
48) Methyl methacrylate	9.313	41	1849	2.104	ug/l	93
49) 1,4-Dioxane	9.307	88	338	27.059	ug/l #	65
51) 4-Methyl-2-Pentanone	10.081	43	10722	11.117	ug/l	96
52) Toluene	10.258	92	9348	2.290	ug/l	94
53) t-1,3-Dichloropropene	10.477	75	4534	2.080	ug/l	100
54) cis-1,3-Dichloropropene	9.947	75	5125	2.003	ug/l	94
55) 1,1,2-Trichloroethane	10.660	97	2773	2.294	ug/l	93
56) Ethyl methacrylate	10.526	69	3002	1.912	ug/l #	84
57) 1,3-Dichloropropane	10.807	76	4515	2.194	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.801	63	8607	11.304	ug/l	91
59) 2-Hexanone	10.849	43	6705	10.145	ug/l	88
60) Dibromochloromethane	11.002	129	3236	2.133	ug/l	95
61) 1,2-Dibromoethane	11.105	107	2357	2.050	ug/l	97
64) Tetrachloroethene	10.733	164	3731	1.876	ug/l	97
65) Chlorobenzene	11.532	112	9011	2.029	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.605	131	3319	2.018	ug/l	89
67) Ethyl Benzene	11.605	91	15627	1.967	ug/l	98
68) m/p-Xylenes	11.715	106	12204	3.976	ug/l	92
69) o-Xylene	12.044	106	5552	1.894	ug/l	93
70) Styrene	12.056	104	8629	1.771	ug/l	97
71) Bromoform	12.221	173	1844	2.021	ug/l #	95
73) Isopropylbenzene	12.343	105	14517	1.830	ug/l	99
74) N-amyl acetate	12.154	43	3018	1.750	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.593	83	2639	2.090	ug/l	95
76) 1,2,3-Trichloropropane	12.642	75	2238m	2.247	ug/l	
77) Bromobenzene	12.623	156	3718	2.070	ug/l	97
78) n-propylbenzene	12.684	91	17801	1.898	ug/l	97
79) 2-Chlorotoluene	12.770	91	10264	1.962	ug/l	97
80) 1,3,5-Trimethylbenzene	12.825	105	12047	1.874	ug/l	99
82) 4-Chlorotoluene	12.867	91	10583	1.970	ug/l	98
83) tert-Butylbenzene	13.087	119	10949	1.904	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	12064	1.897	ug/l	99
85) sec-Butylbenzene	13.263	105	15179	1.798	ug/l	98
86) p-Isopropyltoluene	13.379	119	12475	1.783	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	7351	2.069	ug/l	98
88) 1,4-Dichlorobenzene	13.459	146	7464	2.126	ug/l	85
89) n-Butylbenzene	13.709	91	11630	1.809	ug/l	99
90) Hexachloroethane	13.971	117	2448	2.030	ug/l	93
91) 1,2-Dichlorobenzene	13.751	146	6680	2.176	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.373	75	662	2.930	ug/l	75
93) 1,2,4-Trichlorobenzene	15.019	180	3877	2.046	ug/l	99
94) Hexachlorobutadiene	15.123	225	2285	2.207	ug/l	95
95) Naphthalene	15.245	128	7598	2.064	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	3407	2.105	ug/l	96

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MDL-SOIL-03-QT4-2023

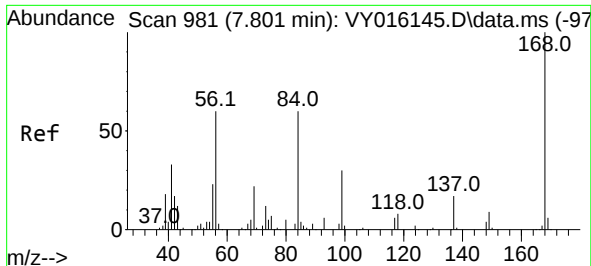
Manual Integrations
APPROVED

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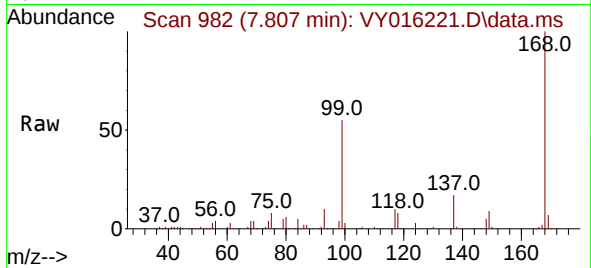
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY016221.D
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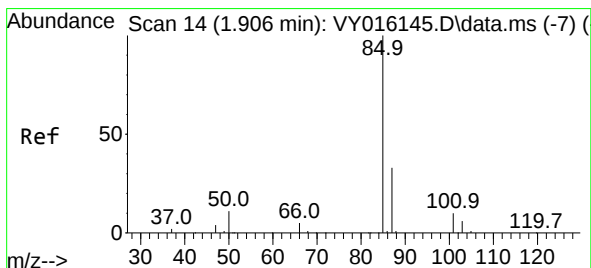
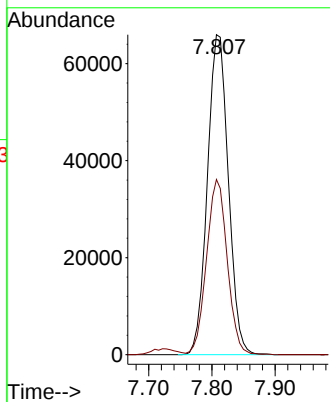
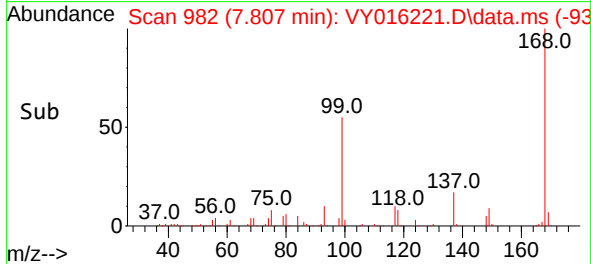
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:168 Resp: 151530
Ion Ratio Lower Upper
168 100
99 54.7 43.4 65.0

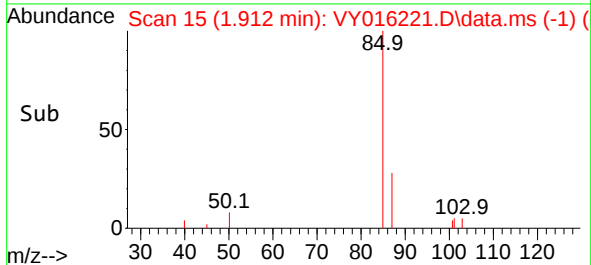
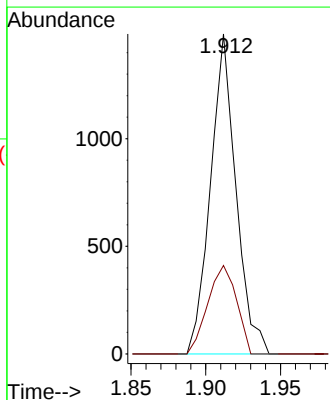
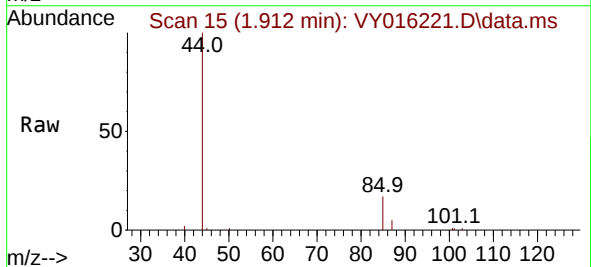
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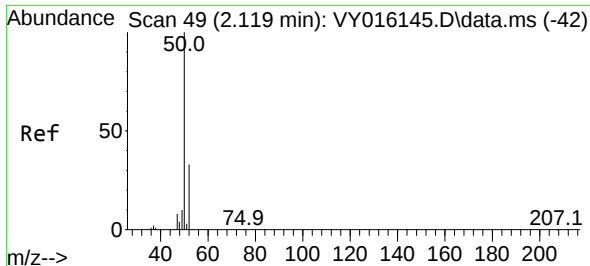
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#2
Dichlorodifluoromethane
Concen: 1.821 ug/l
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

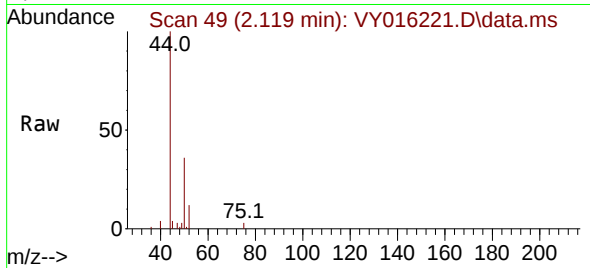
Tgt Ion: 85 Resp: 1760
Ion Ratio Lower Upper
85 100
87 27.6 15.6 46.8





#3
Chloromethane
Concen: 2.044 ug/l
RT: 2.119 min Scan# 49
Delta R.T. -0.000 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

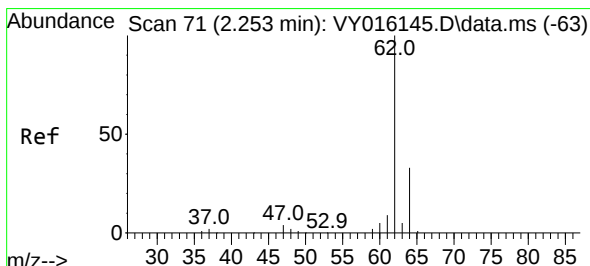
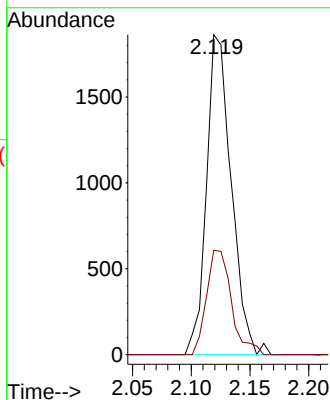
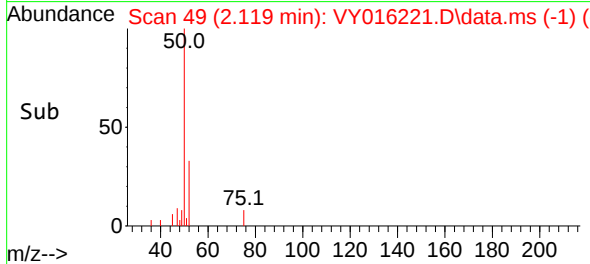
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Tgt Ion: 50 Resp: 273
Ion Ratio Lower Upper
50 100
52 32.6 25.4 38.2

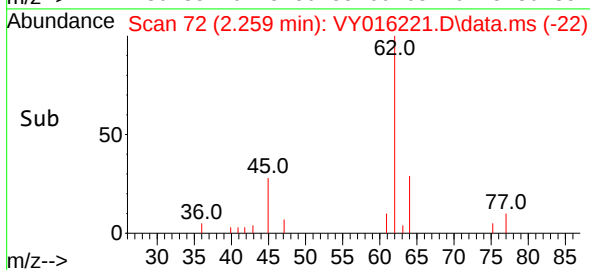
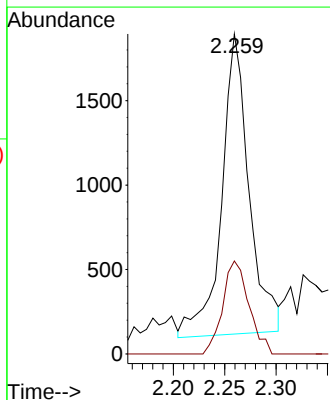
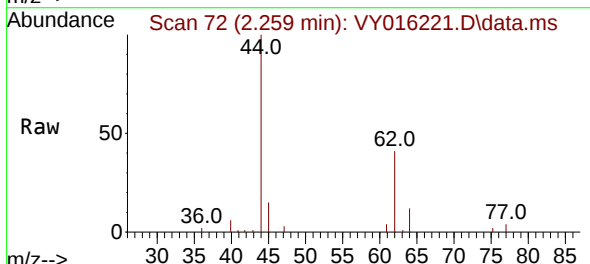
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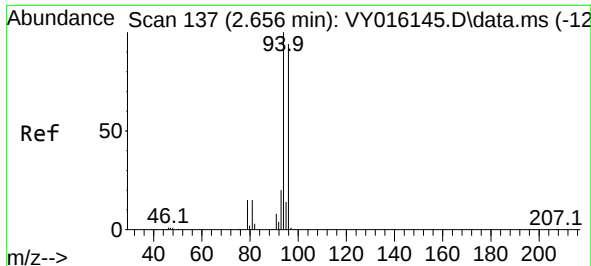
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#4
Vinyl Chloride
Concen: 2.388 ug/l
RT: 2.259 min Scan# 72
Delta R.T. 0.006 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Tgt Ion: 62 Resp: 3299
Ion Ratio Lower Upper
62 100
64 31.2 24.3 36.5





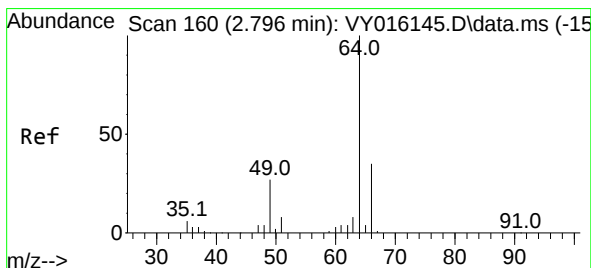
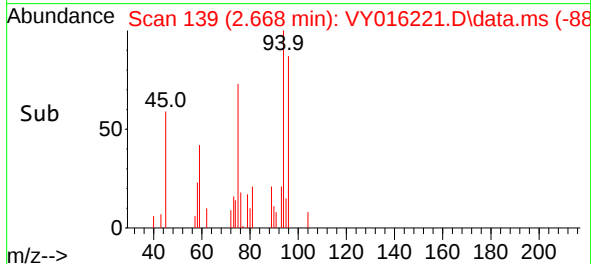
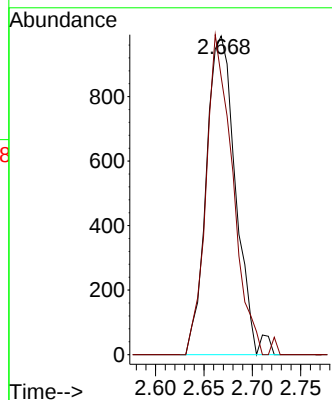
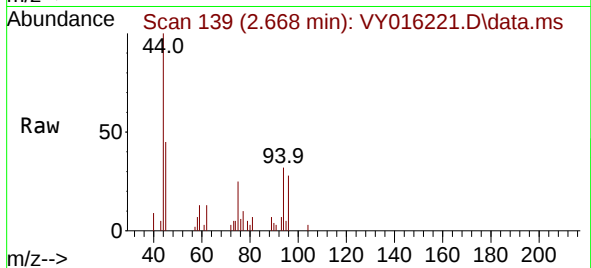
#5
Bromomethane
Concen: 2.250 ug/l
RT: 2.668 min Scan# 111
Delta R.T. 0.012 min
Lab File: VY016221.D
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Tgt Ion: 94 Resp: 209
Ion Ratio Lower Upper
94 100
96 87.1 75.8 113.6

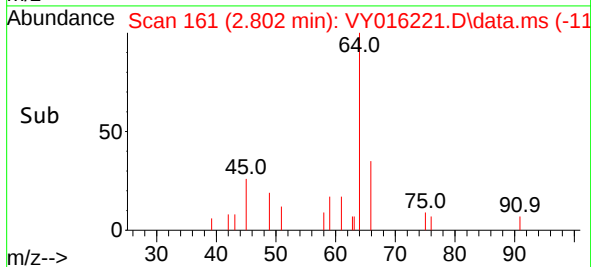
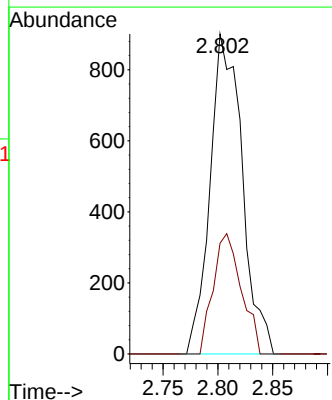
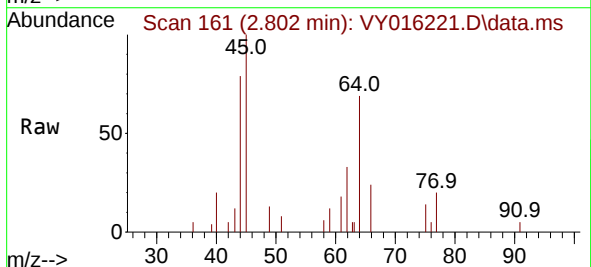
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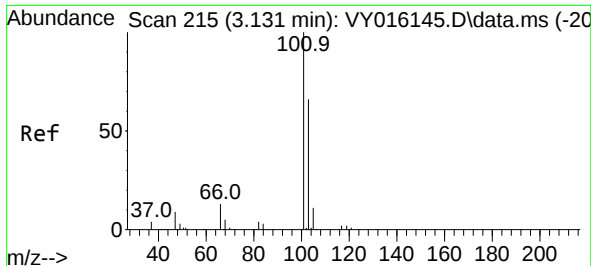
Reviewed By :John Carlone 11/06/2023
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#6
Chloroethane
Concen: 1.886 ug/l
RT: 2.802 min Scan# 161
Delta R.T. 0.006 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Tgt Ion: 64 Resp: 1834
Ion Ratio Lower Upper
64 100
66 34.6 24.4 36.6





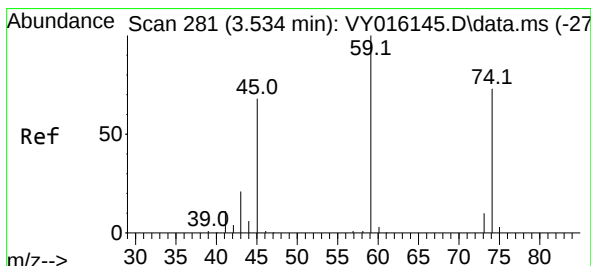
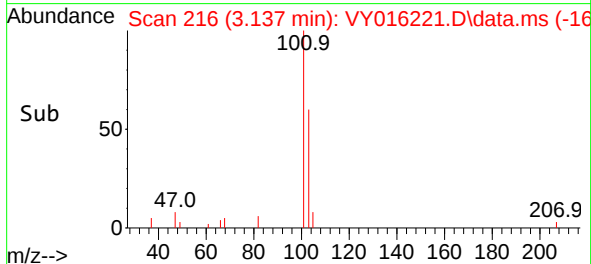
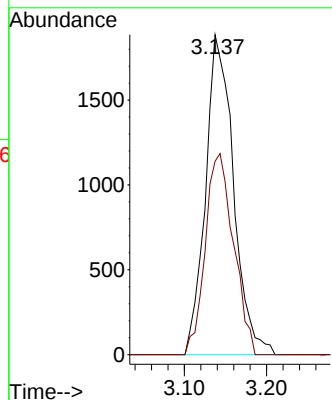
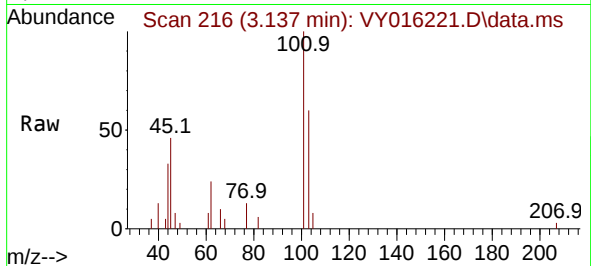
#7
 Trichlorofluoromethane
 Concen: 2.134 ug/l
 RT: 3.137 min Scan# 215
 Delta R.T. 0.006 min
 Lab File: VY016221.D
 Acq: 03 Nov 2023 19:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT4-2023

Tgt Ion:101 Resp: 445
 Ion Ratio Lower Upper
 101 100
 103 60.4 51.4 77.0

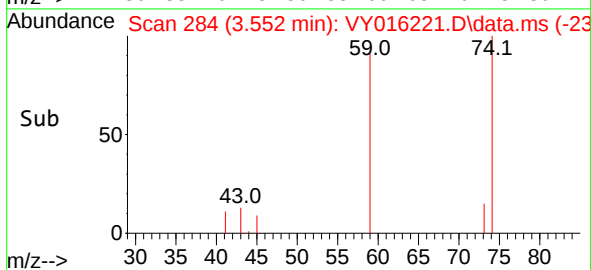
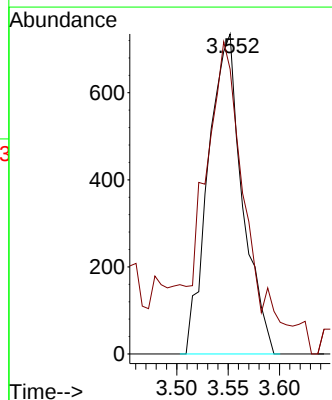
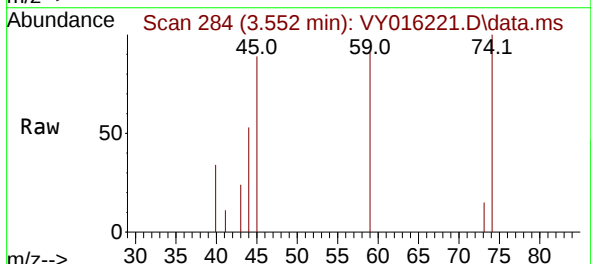
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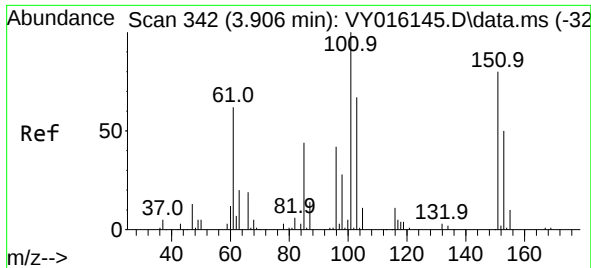
Reviewed By :John Carlone 11/06/2023
 Supervised By :Mahesh Dadoda 11/06/2023



#8
 Diethyl Ether
 Concen: 2.451 ug/l
 RT: 3.552 min Scan# 284
 Delta R.T. 0.018 min
 Lab File: VY016221.D
 Acq: 03 Nov 2023 19:55

Tgt Ion: 74 Resp: 1694
 Ion Ratio Lower Upper
 74 100
 45 118.4 51.5 154.5





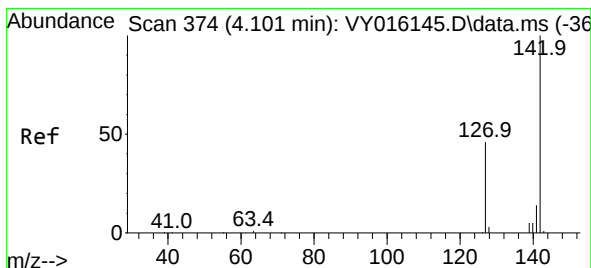
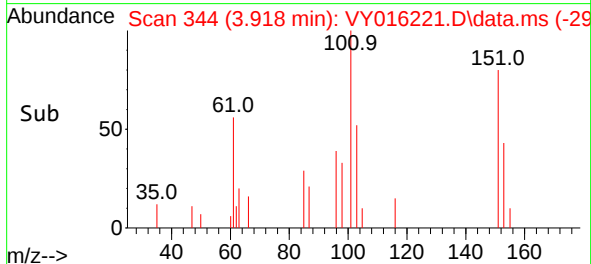
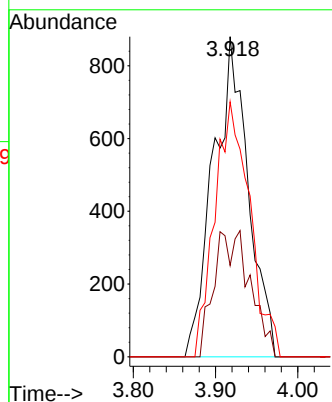
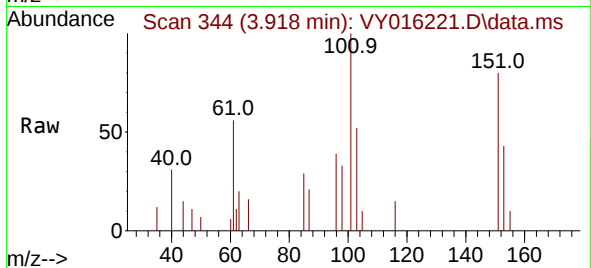
#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.978 ug/l
RT: 3.918 min Scan# 342
Delta R.T. 0.012 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion:101 Resp: 2598
Ion Ratio Lower Upper
101 100
85 19.7 36.6 55.0
151 80.1 67.0 100.6

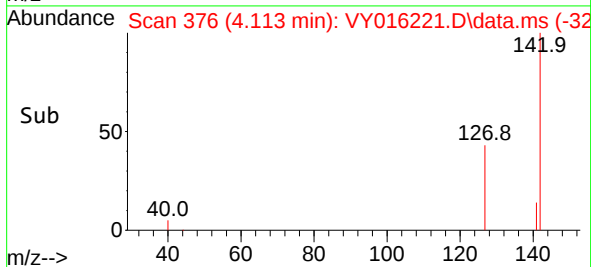
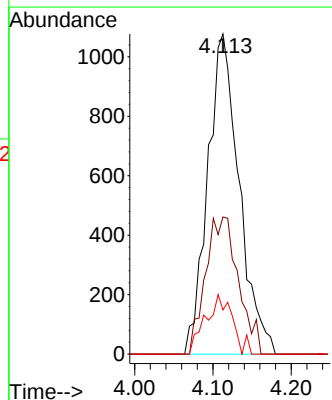
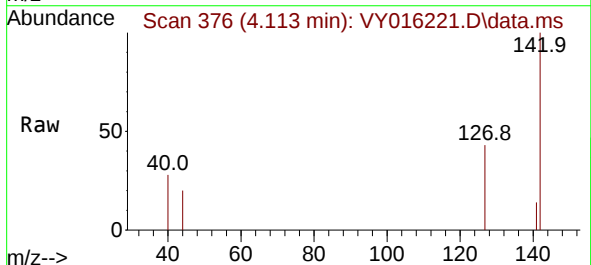
Manual Integrations
APPROVED

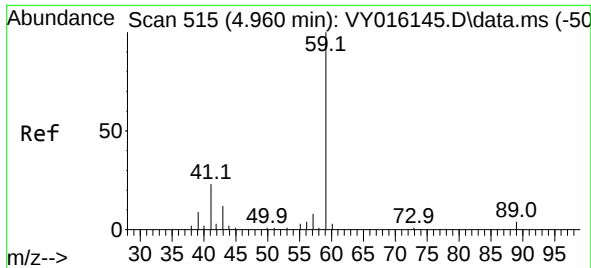
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#10
Methyl Iodide
Concen: 2.057 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.012 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

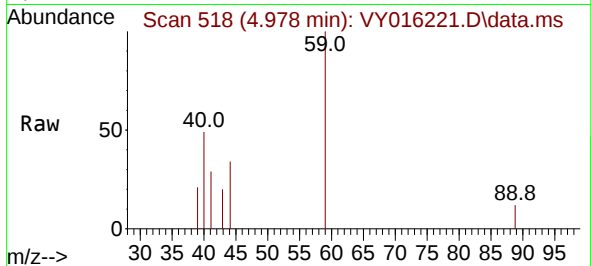
Tgt Ion:142 Resp: 3005
Ion Ratio Lower Upper
142 100
127 44.7 37.6 56.4
141 15.8 11.8 17.8





#11
Tert butyl alcohol
Concen: 19.124 ug/l
RT: 4.978 min Scan# 515
Delta R.T. 0.018 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

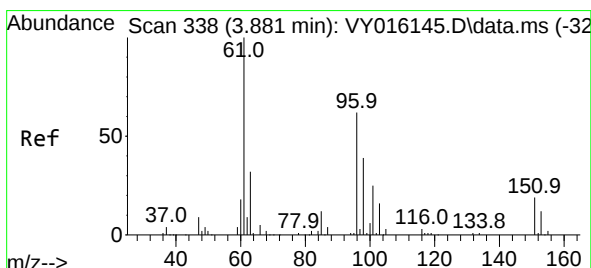
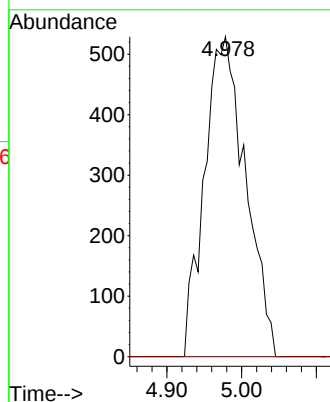
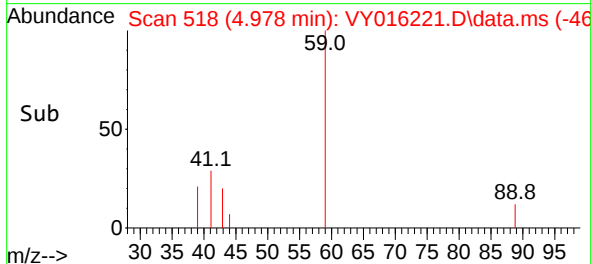
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



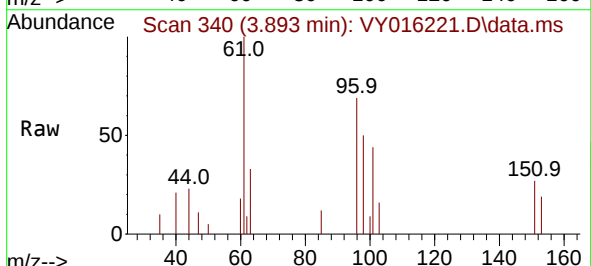
Tgt Ion: 59 Resp: 2020
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4

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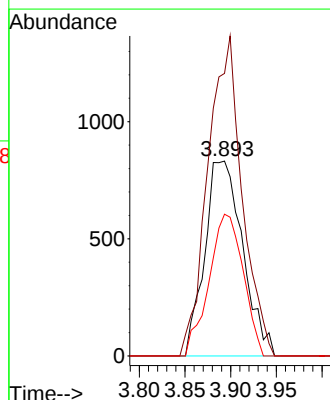
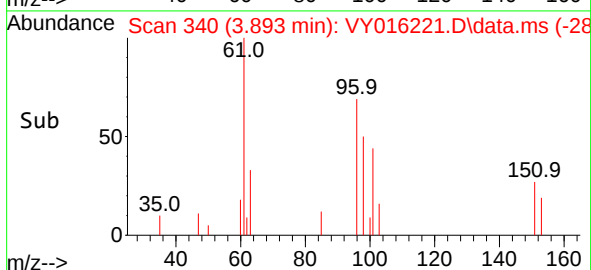
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023

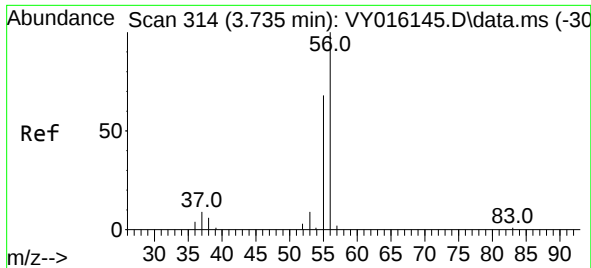


#12
1,1-Dichloroethene
Concen: 2.005 ug/l
RT: 3.893 min Scan# 340
Delta R.T. 0.012 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55



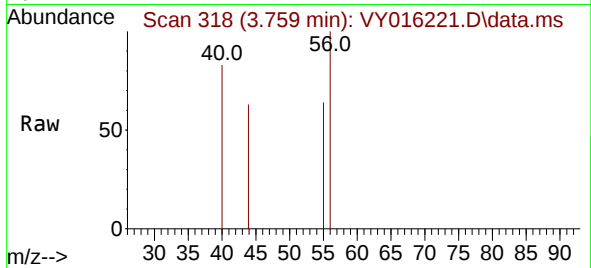
Tgt Ion: 96 Resp: 2404
Ion Ratio Lower Upper
96 100
61 145.0 136.4 204.6
98 72.7 49.4 74.2





#13
Acrolein
Concen: 7.709 ug/l
RT: 3.759 min Scan# 314
Delta R.T. 0.024 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

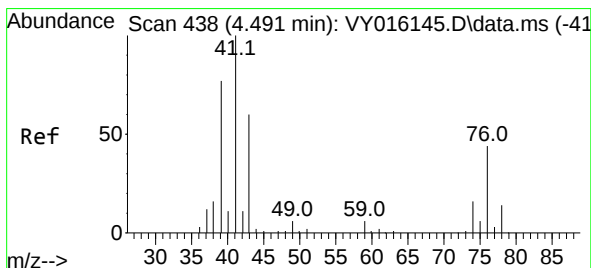
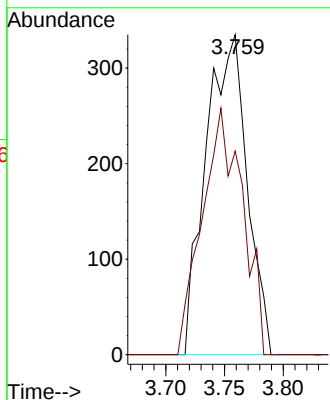
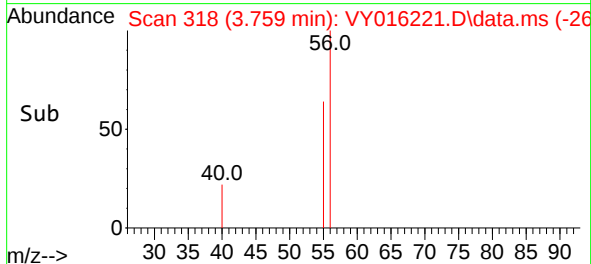
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



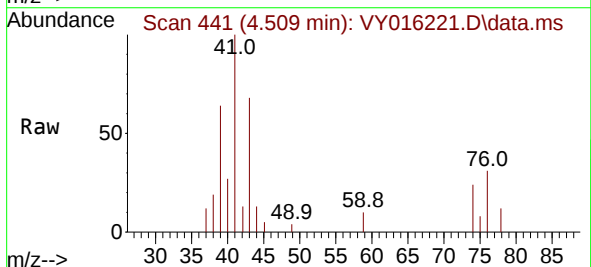
Tgt Ion: 56 Resp: 819
Ion Ratio Lower Upper
56 100
55 75.2 57.0 85.4

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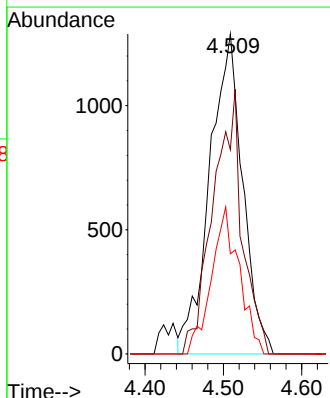
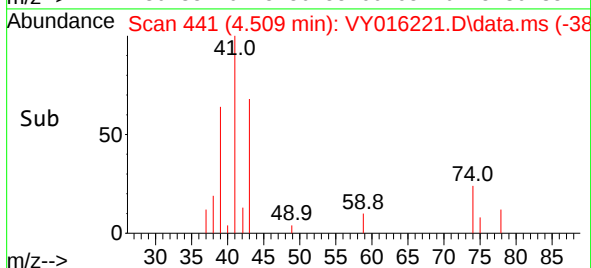
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023

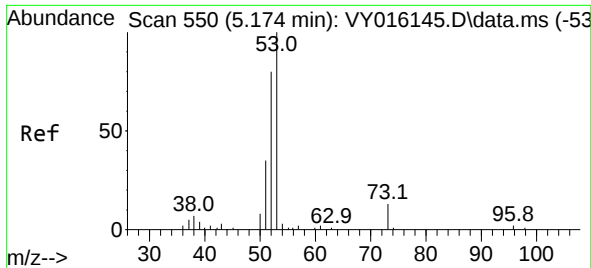


#14
Allyl chloride
Concen: 2.200 ug/l
RT: 4.509 min Scan# 441
Delta R.T. 0.018 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55



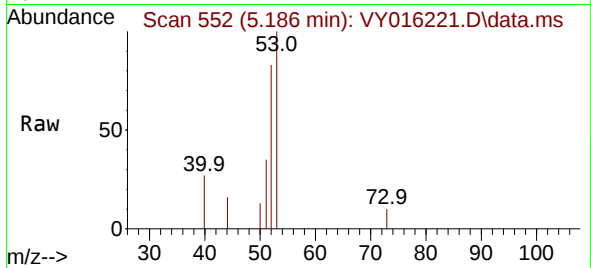
Tgt Ion: 41 Resp: 3773
Ion Ratio Lower Upper
41 100
39 73.2 58.0 87.0
76 38.5 27.4 41.2





#15
Acrylonitrile
Concen: 11.255 ug/l
RT: 5.186 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

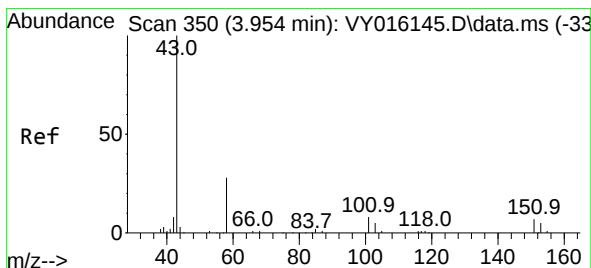
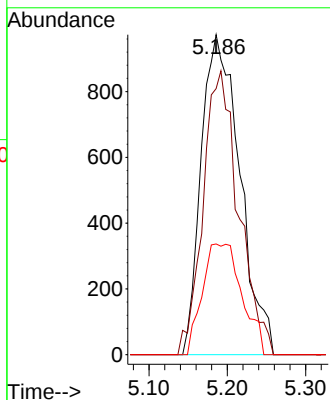
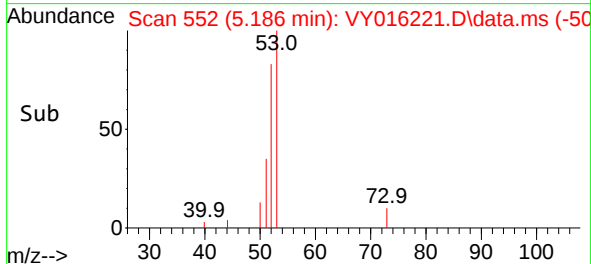
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



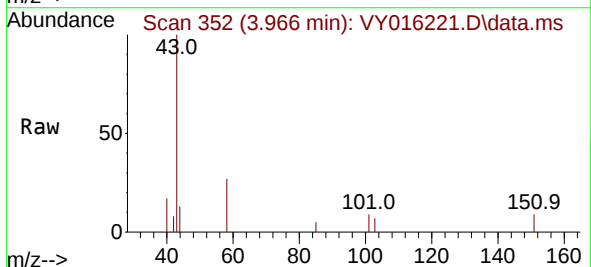
Tgt Ion: 53 Resp: 3324
Ion Ratio Lower Upper
53 100
52 82.0 66.9 100.3
51 35.5 29.8 44.6

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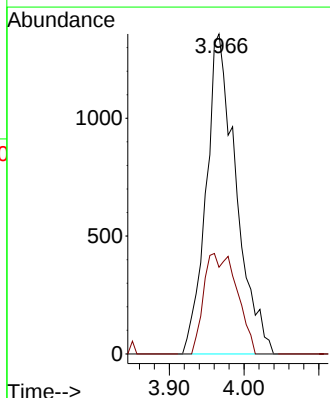
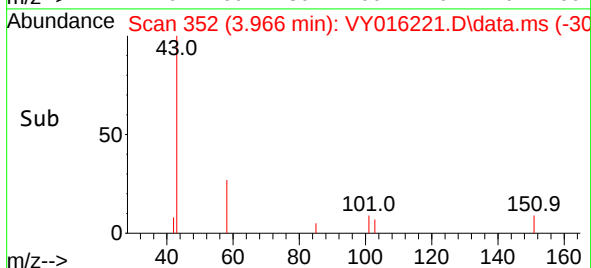
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023

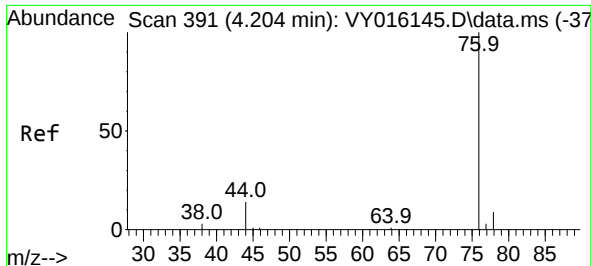


#16
Acetone
Concen: 14.445 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55



Tgt Ion: 43 Resp: 3784
Ion Ratio Lower Upper
43 100
58 27.1 22.7 34.1





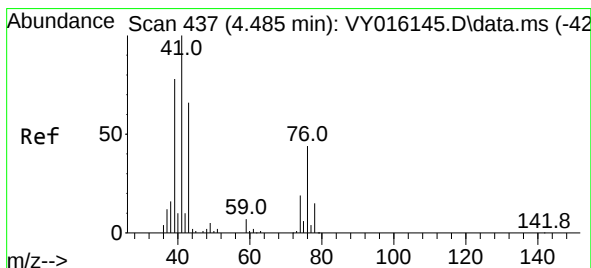
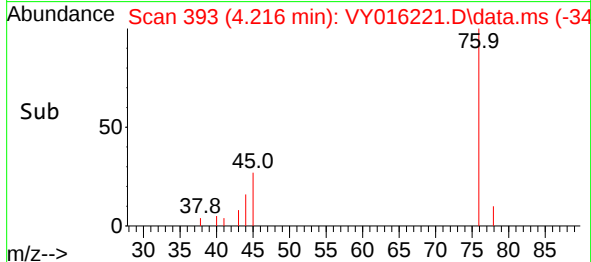
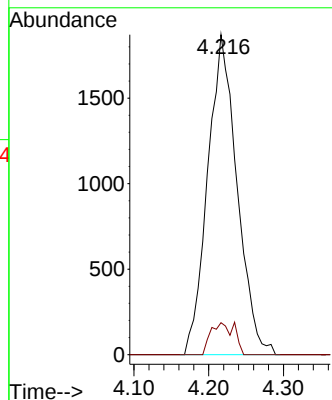
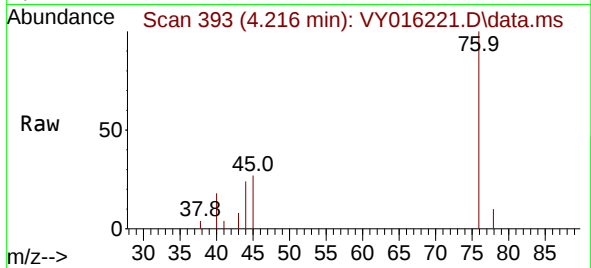
#17
Carbon Disulfide
Concen: 1.710 ug/l
RT: 4.216 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion: 76 Resp: 5118
Ion Ratio Lower Upper
76 100
78 10.0 7.0 10.4

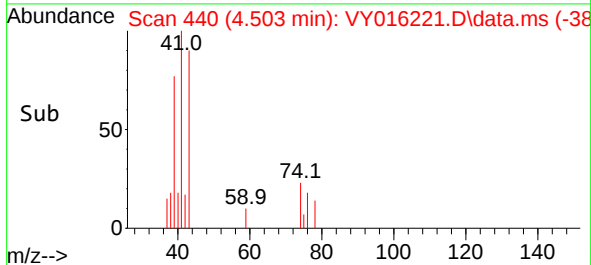
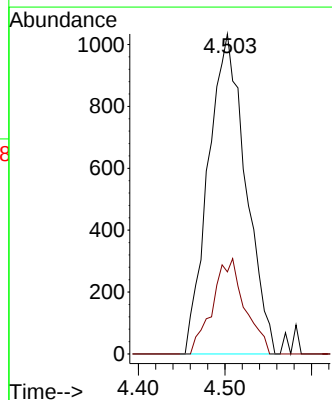
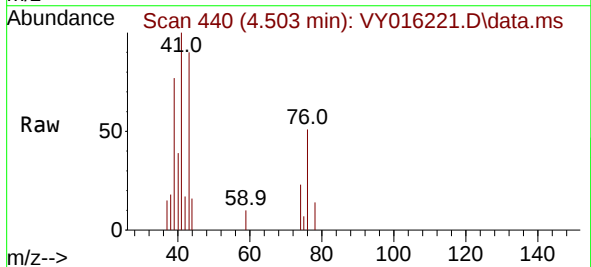
Manual Integrations
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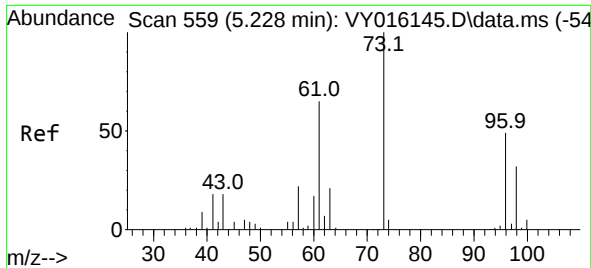
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#18
Methyl Acetate
Concen: 2.720 ug/l
RT: 4.503 min Scan# 440
Delta R.T. 0.018 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Tgt Ion: 43 Resp: 3102
Ion Ratio Lower Upper
43 100
74 25.7 17.4 26.0





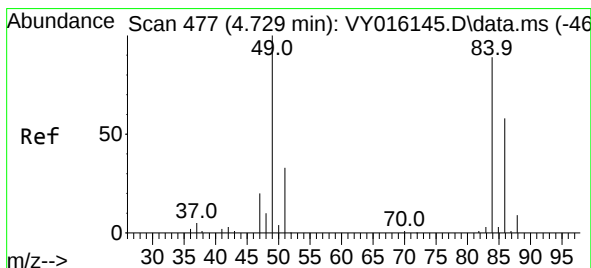
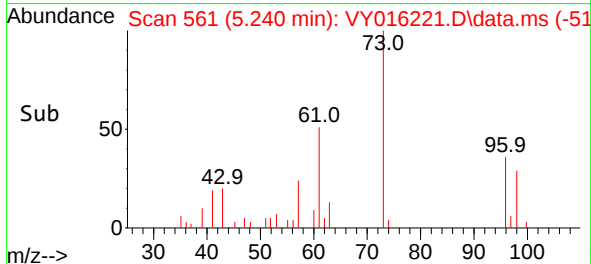
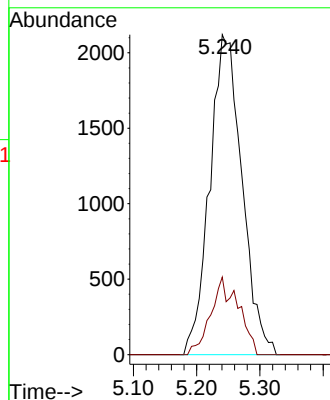
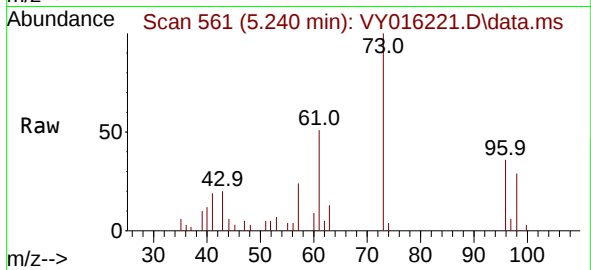
#19
Methyl tert-butyl Ether
Concen: 2.198 ug/l
RT: 5.240 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion: 73 Resp: 7490
Ion Ratio Lower Upper
73 100
57 24.2 17.3 25.9

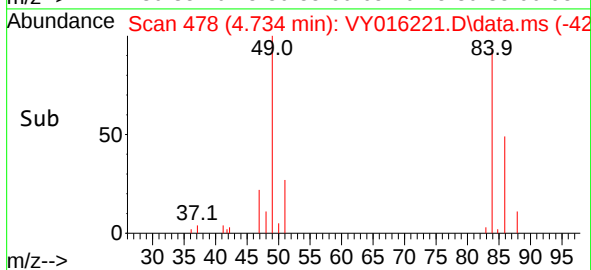
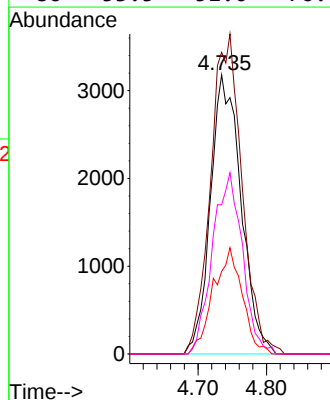
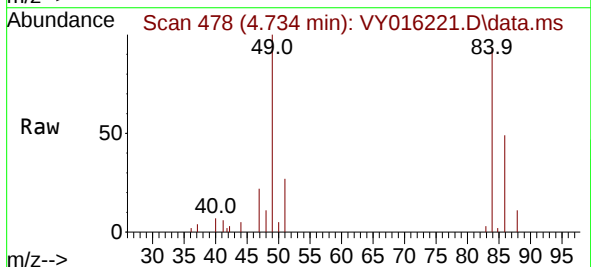
Manual Integrations
APPROVED

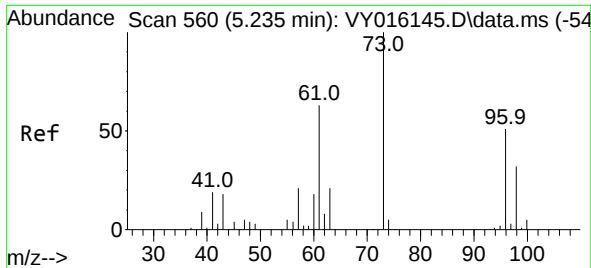
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#20
Methylene Chloride
Concen: 6.098 ug/l
RT: 4.734 min Scan# 478
Delta R.T. 0.005 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

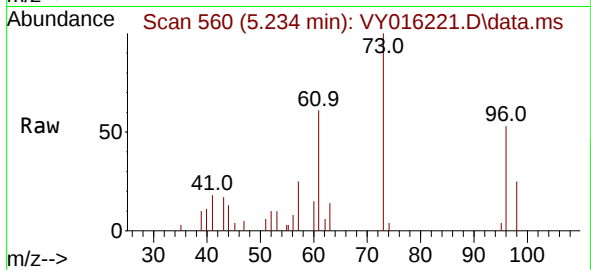
Tgt Ion: 84 Resp: 9846
Ion Ratio Lower Upper
84 100
49 108.1 106.9 160.3
51 29.6 33.2 49.8#
86 53.5 51.0 76.6





#21
trans-1,2-Dichloroethene
Concen: 2.059 ug/l
RT: 5.234 min Scan# 509
Delta R.T. -0.000 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

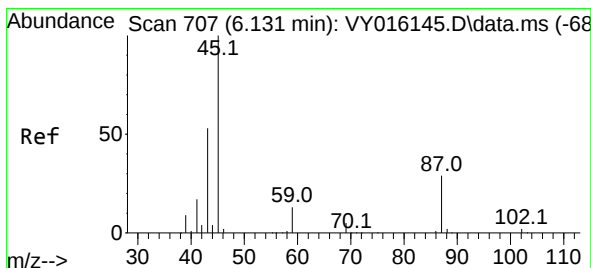
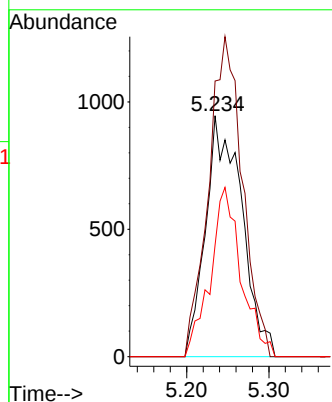
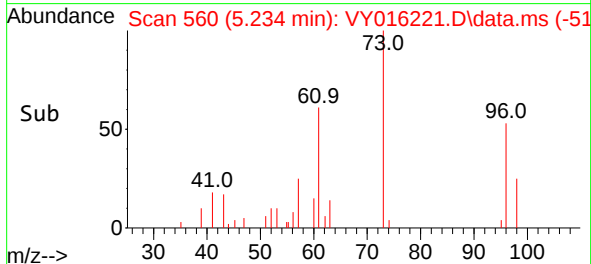
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



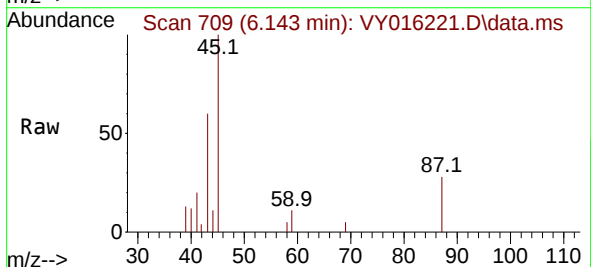
Tgt Ion: 96 Resp: 2870
Ion Ratio Lower Upper
96 100
61 114.4 110.2 165.4
98 46.3 51.8 77.6

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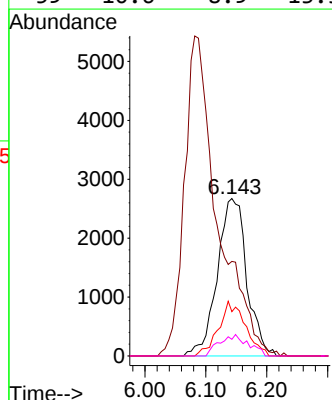
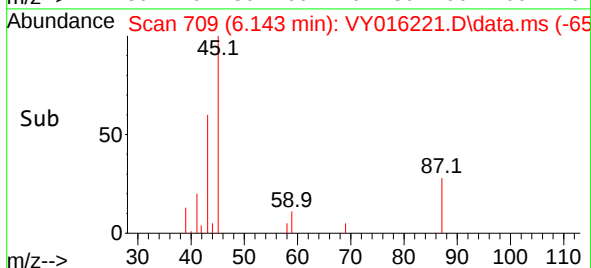
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023

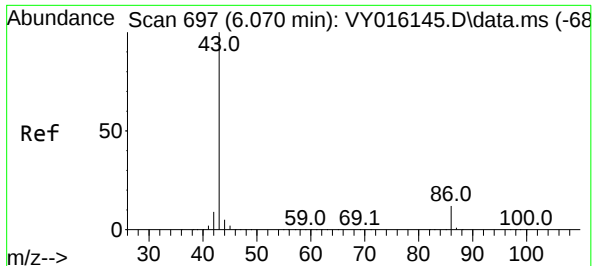


#22
Diisopropyl ether
Concen: 2.166 ug/l
RT: 6.143 min Scan# 709
Delta R.T. 0.012 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55



Tgt Ion: 45 Resp: 8986
Ion Ratio Lower Upper
45 100
43 60.0 52.2 78.4
87 28.1 21.0 31.6
59 10.6 8.9 13.3





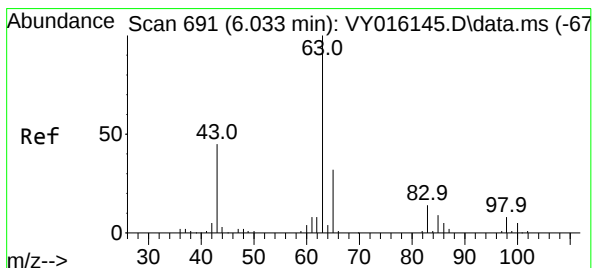
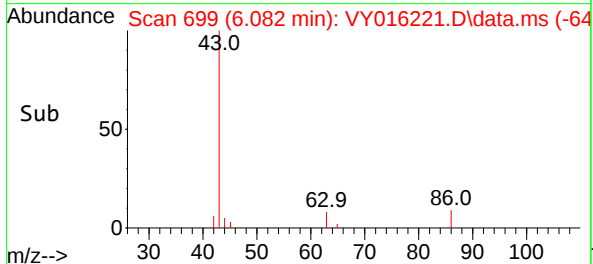
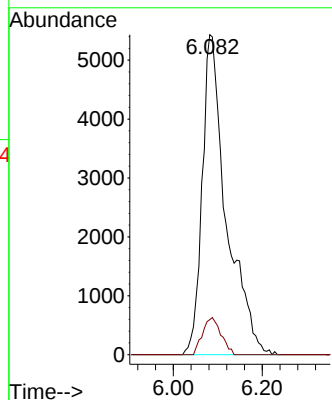
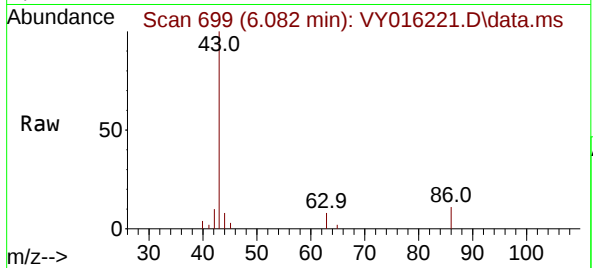
#23
 Vinyl Acetate
 Concen: 10.088 ug/l
 RT: 6.082 min Scan# 699
 Delta R.T. 0.012 min
 Lab File: VY016221.D
 Acq: 03 Nov 2023 19:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT4-2023

Tgt Ion: 43 Resp: 20540
 Ion Ratio Lower Upper
 43 100
 86 11.0 7.5 11.3

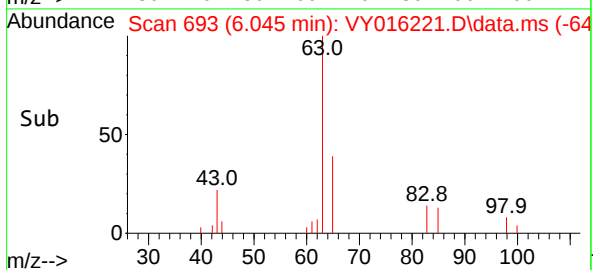
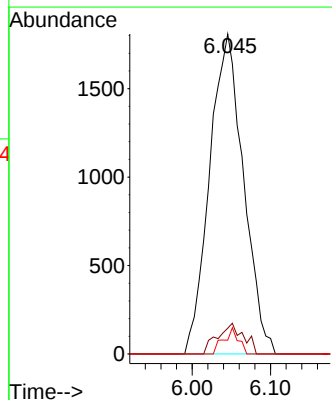
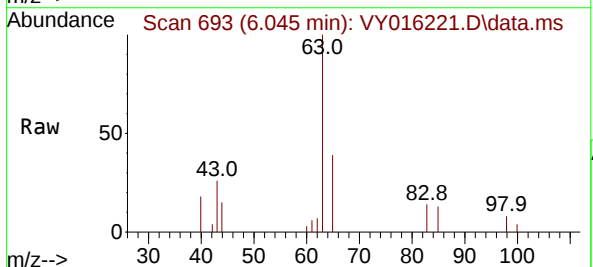
Manual Integrations
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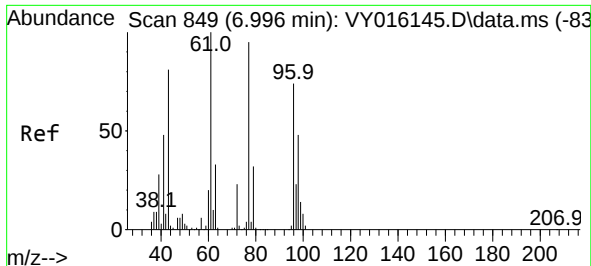
Reviewed By :John Carlone 11/06/2023
 Supervised By :Mahesh Dadoda 11/06/2023



#24
 1,1-Dichloroethane
 Concen: 2.195 ug/l
 RT: 6.045 min Scan# 693
 Delta R.T. 0.012 min
 Lab File: VY016221.D
 Acq: 03 Nov 2023 19:55

Tgt Ion: 63 Resp: 5449
 Ion Ratio Lower Upper
 63 100
 98 8.1 3.1 9.4
 100 4.3 1.8 5.5





#25

2-Butanone

Concen: 10.933 ug/l

RT: 7.008 min Scan# 851

Delta R.T. 0.012 min

Lab File: VY016221.D

Acq: 03 Nov 2023 19:55

Instrument :

MSVOA_Y

ClientSampleId :

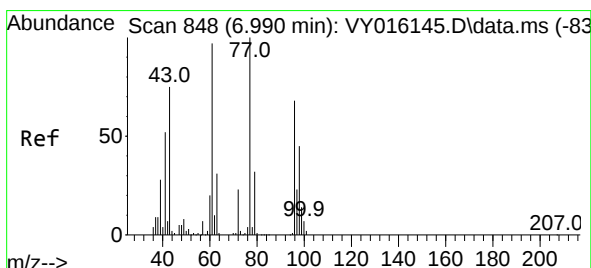
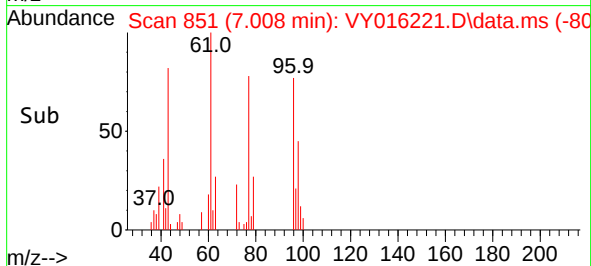
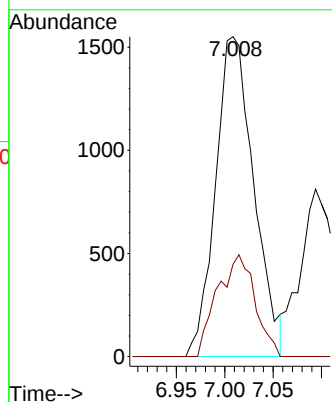
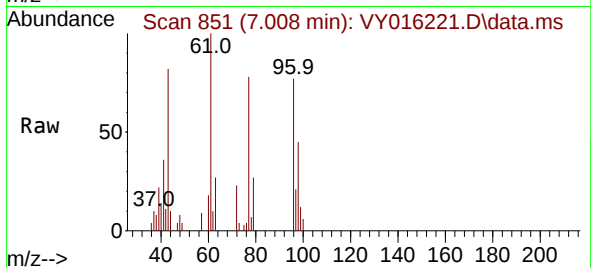
MDL-SOIL-03-QT4-2023

Tgt Ion: 43 Resp: 427
 Ion Ratio Lower Upper
 43 100
 72 28.8 20.5 30.7

Manual Integrations

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



#26

2,2-Dichloropropane

Concen: 2.005 ug/l

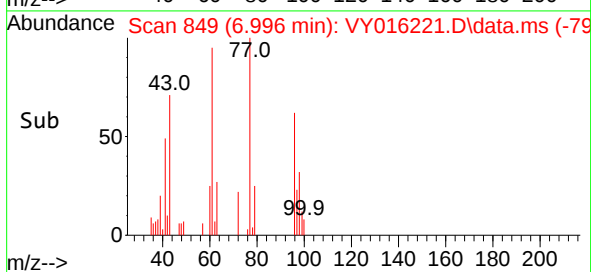
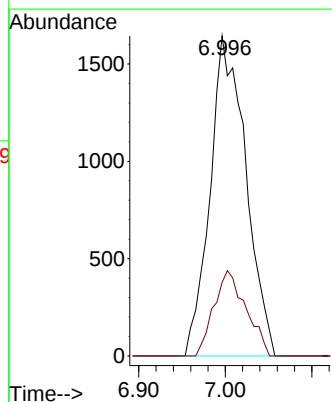
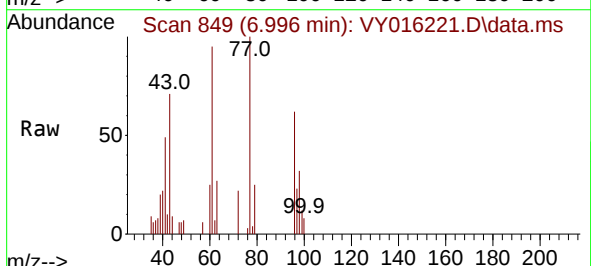
RT: 6.996 min Scan# 849

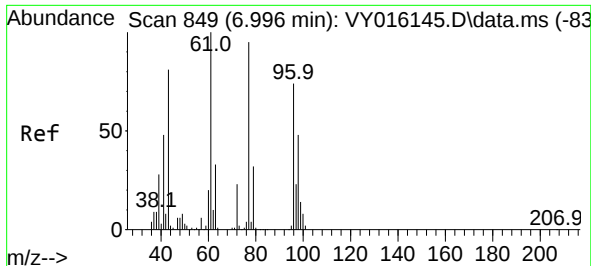
Delta R.T. 0.006 min

Lab File: VY016221.D

Acq: 03 Nov 2023 19:55

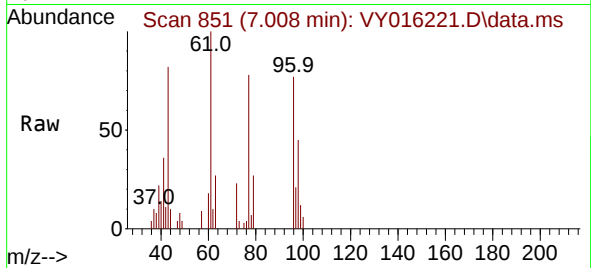
Tgt Ion: 77 Resp: 4706
 Ion Ratio Lower Upper
 77 100
 97 23.9 10.9 32.9





#27
 cis-1,2-Dichloroethene
 Concen: 2.189 ug/l
 RT: 7.008 min Scan# 851
 Delta R.T. 0.012 min
 Lab File: VY016221.D
 Acq: 03 Nov 2023 19:55

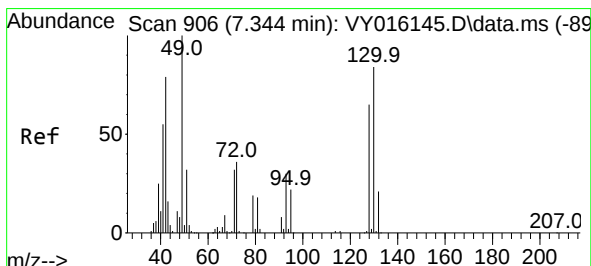
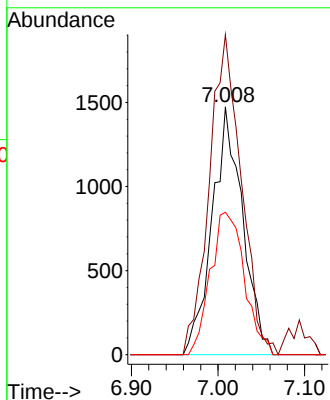
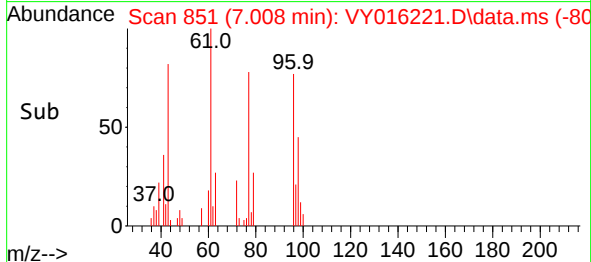
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT4-2023



Tgt Ion: 96 Resp: 3598
 Ion Ratio Lower Upper
 96 100
 61 135.6 0.0 301.4
 98 64.2 0.0 130.4

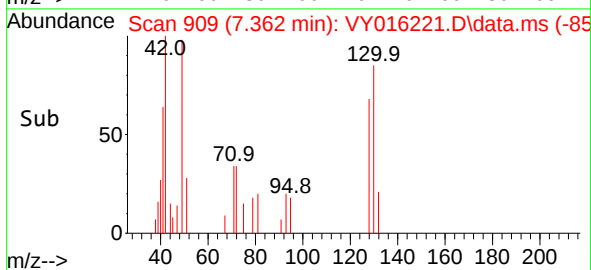
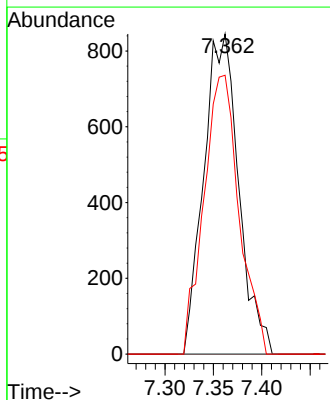
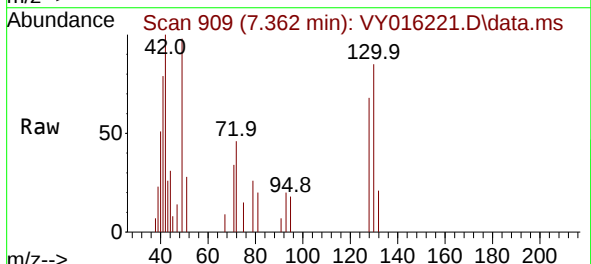
Manual Integrations
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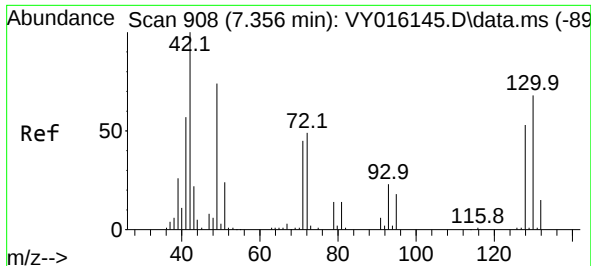
Reviewed By :John Carlone 11/06/2023
 Supervised By :Mahesh Dadoda 11/06/2023



#28
 Bromochloromethane
 Concen: 2.289 ug/l
 RT: 7.362 min Scan# 909
 Delta R.T. 0.018 min
 Lab File: VY016221.D
 Acq: 03 Nov 2023 19:55

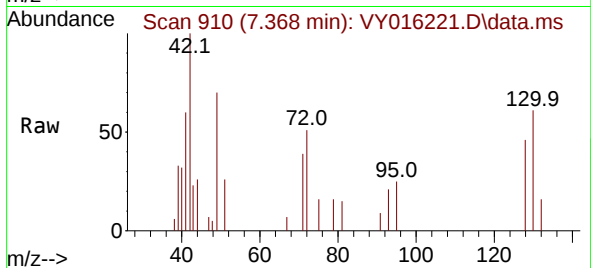
Tgt Ion: 49 Resp: 2127
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.6
 130 87.8 60.7 91.1





#29
Tetrahydrofuran
Concen: 11.186 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.012 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

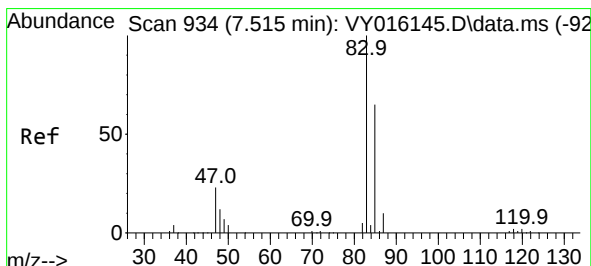
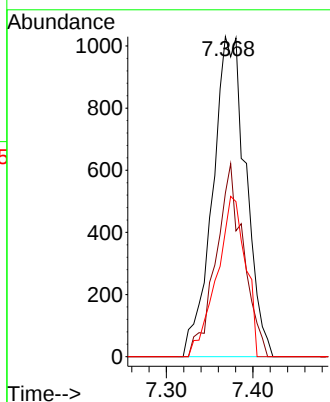
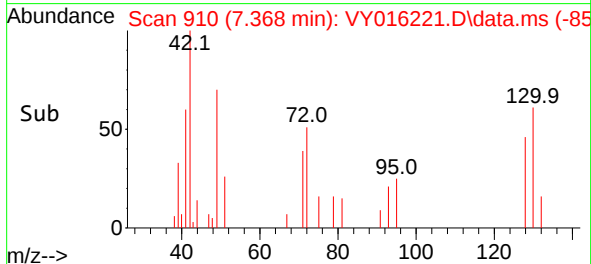
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



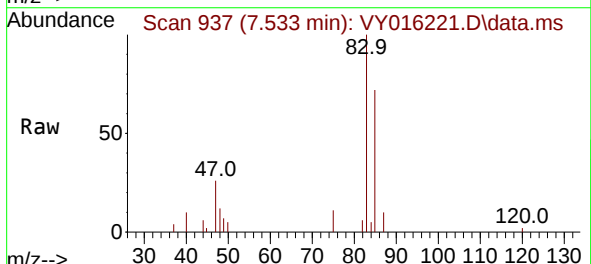
Tgt Ion: 42 Resp: 274
Ion Ratio Lower Upper
42 100
72 49.9 32.8 49.2
71 43.3 31.0 46.4

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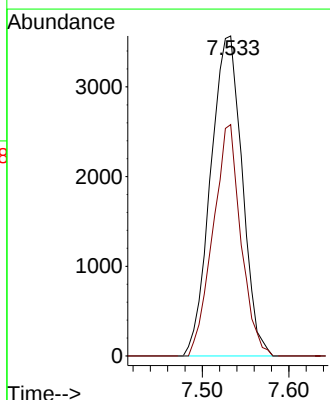
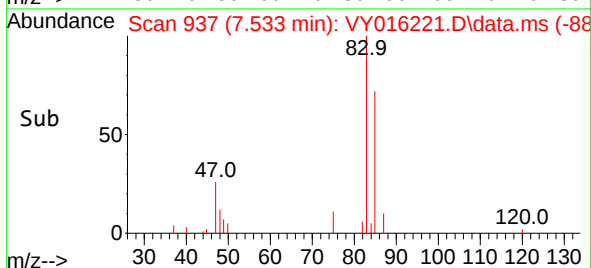
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023

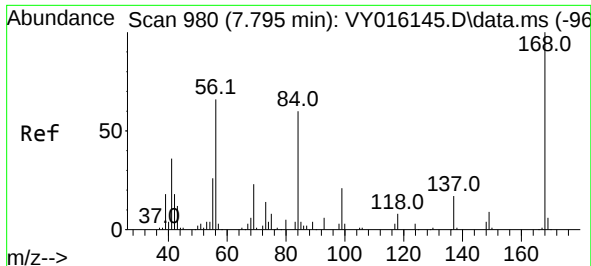


#30
Chloroform
Concen: 3.336 ug/l
RT: 7.533 min Scan# 937
Delta R.T. 0.018 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55



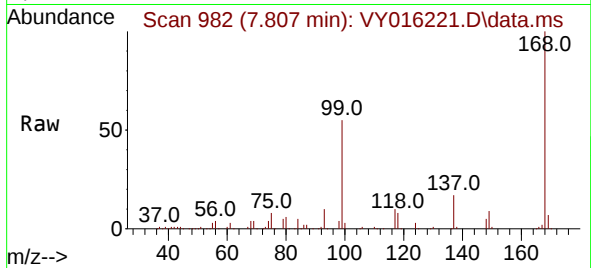
Tgt Ion: 83 Resp: 9018
Ion Ratio Lower Upper
83 100
85 72.3 49.7 74.5





#31
Cyclohexane
Concen: 2.966 ug/l
RT: 7.807 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

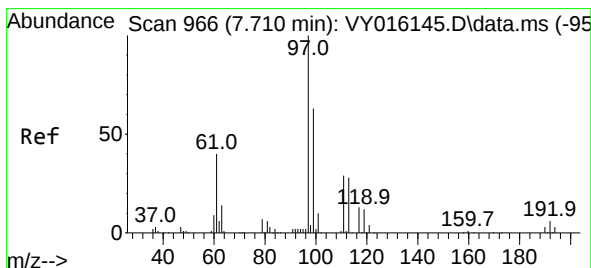
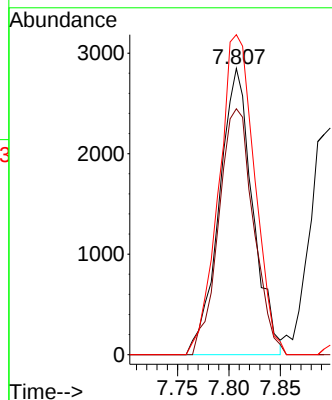
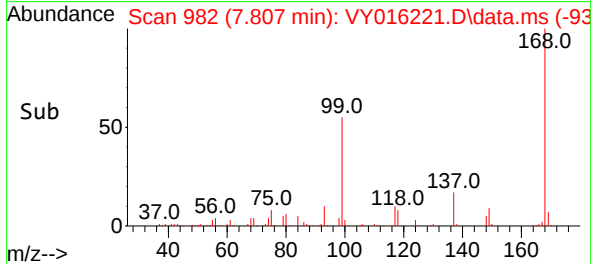
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



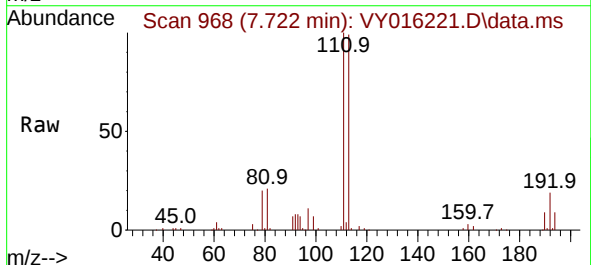
Tgt Ion: 56 Resp: 646
Ion Ratio Lower Upper
56 100
69 85.9 27.8 41.6
84 111.8 66.4 99.6

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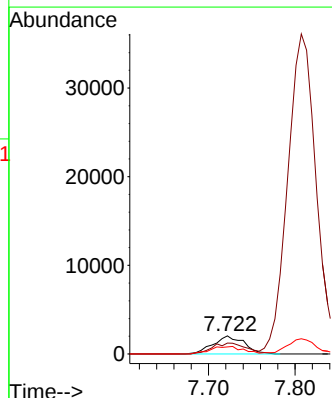
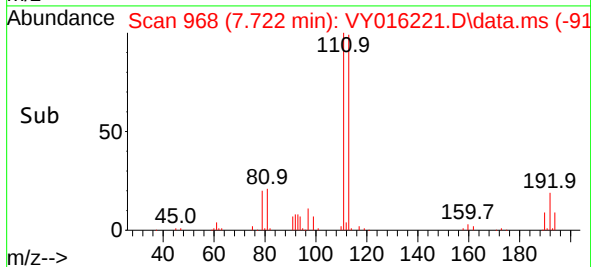
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023

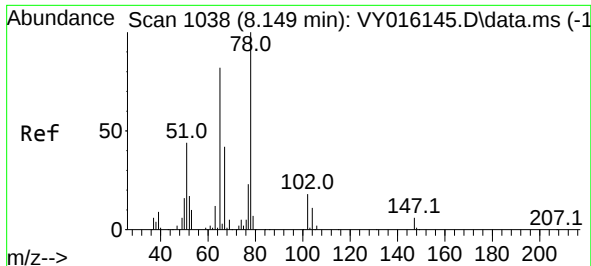


#32
1,1,1-Trichloroethane
Concen: 2.040 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.012 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55



Tgt Ion: 97 Resp: 5057
Ion Ratio Lower Upper
97 100
99 65.3 50.8 76.2
61 44.5 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 54.534 ug/l

RT: 8.161 min Scan# 1130

Delta R.T. 0.012 min

Lab File: VY016221.D

Acq: 03 Nov 2023 19:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023

Tgt Ion: 65 Resp: 77324

Ion Ratio Lower Upper

65 100

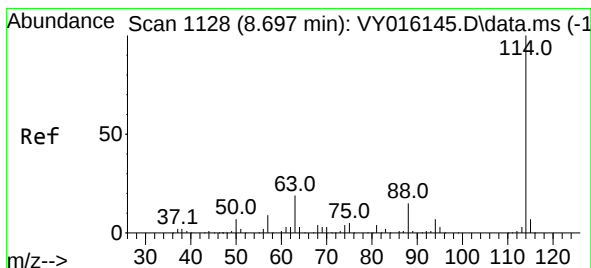
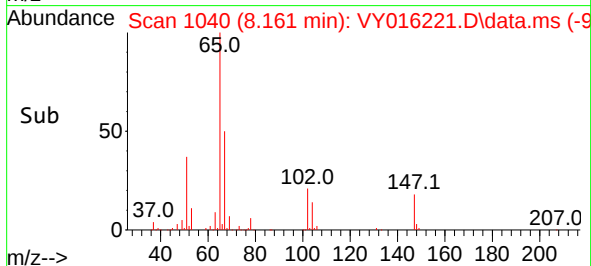
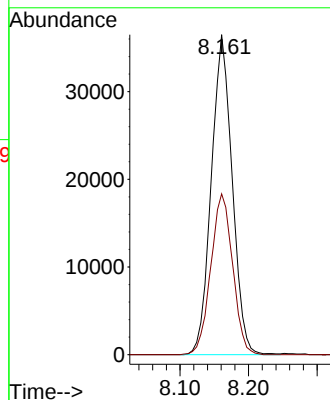
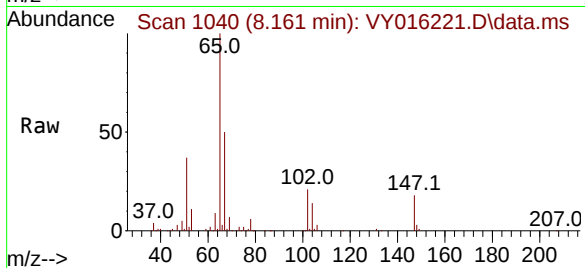
67 52.5 0.0 101.8

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Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.709 min Scan# 1130

Delta R.T. 0.012 min

Lab File: VY016221.D

Acq: 03 Nov 2023 19:55

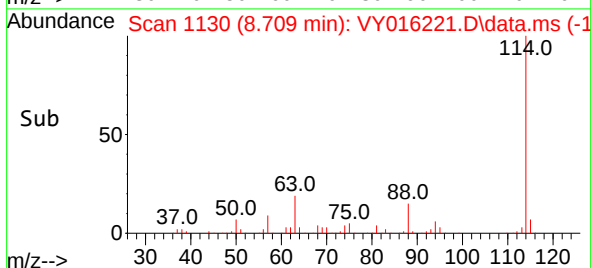
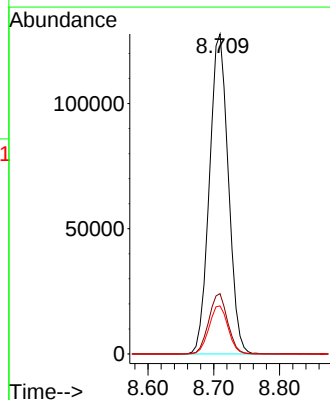
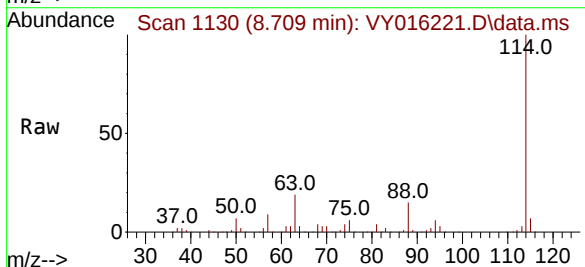
Tgt Ion:114 Resp: 254849

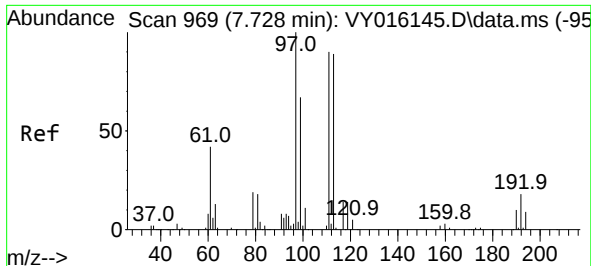
Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

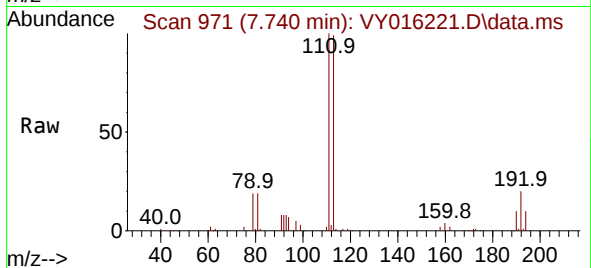
88 15.0 0.0 30.6





#35
Dibromofluoromethane
Concen: 48.385 ug/l
RT: 7.740 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

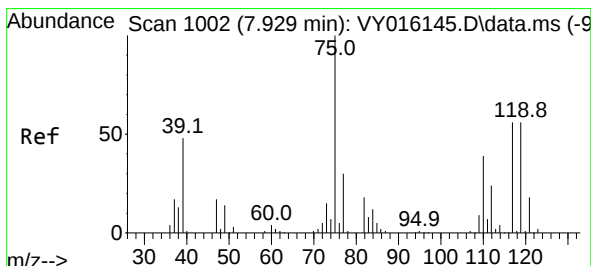
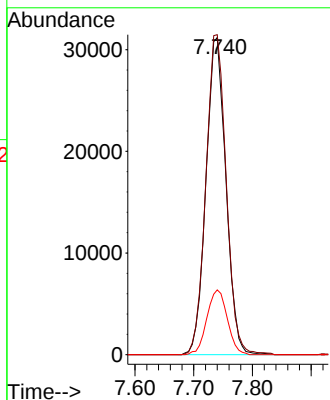
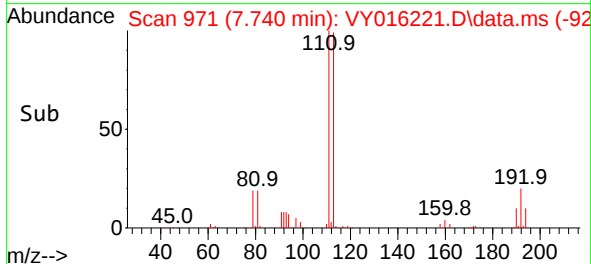
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



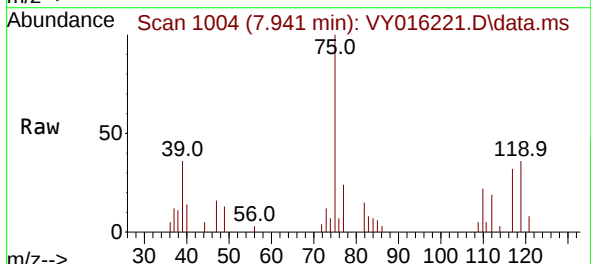
Tgt Ion: 113 Resp: 7351
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 20.9 16.9 25.3

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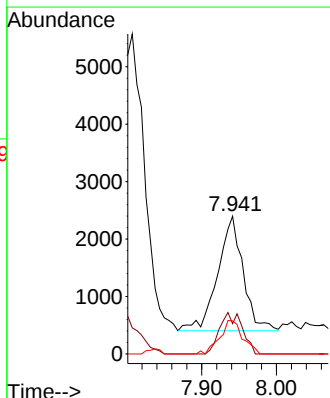
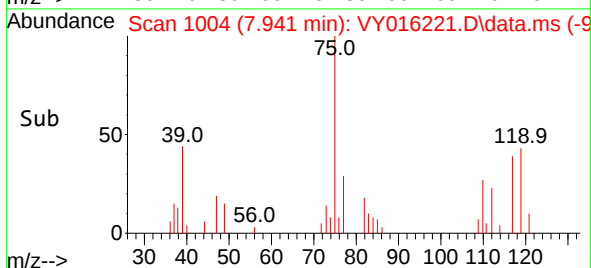
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023

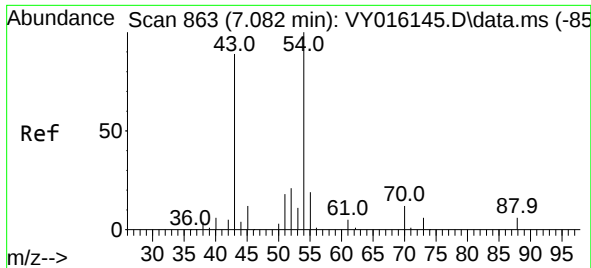


#36
1,1-Dichloropropene
Concen: 2.155 ug/l
RT: 7.941 min Scan# 1004
Delta R.T. 0.012 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55



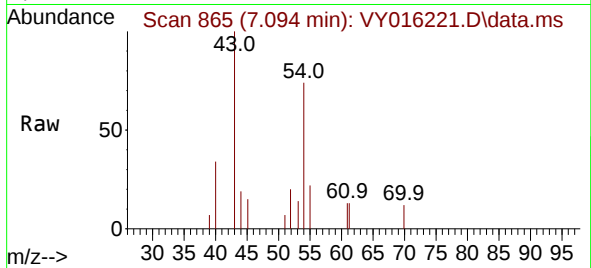
Tgt Ion: 75 Resp: 4728
Ion Ratio Lower Upper
75 100
110 32.3 17.8 53.5
77 26.3 24.4 36.6





#37
Ethyl Acetate
Concen: 2.330 ug/l
RT: 7.094 min Scan# 80
Delta R.T. 0.012 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

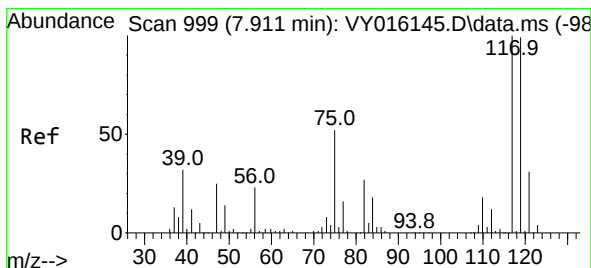
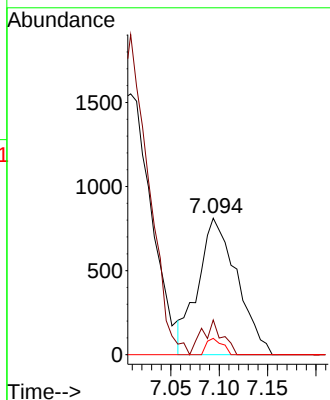
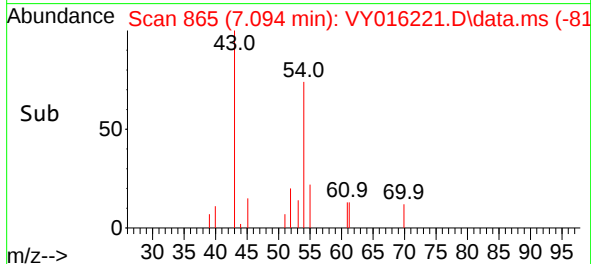
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



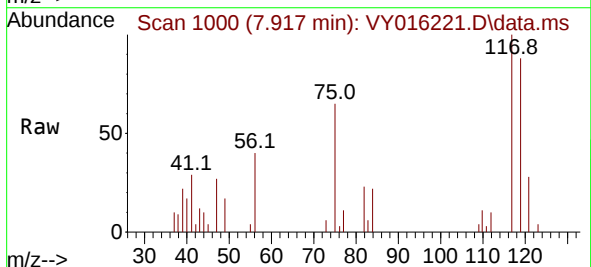
Tgt Ion: 43 Resp: 227
Ion Ratio Lower Upper
43 100
61 13.1 10.1 15.1
70 4.8 7.1 10.7

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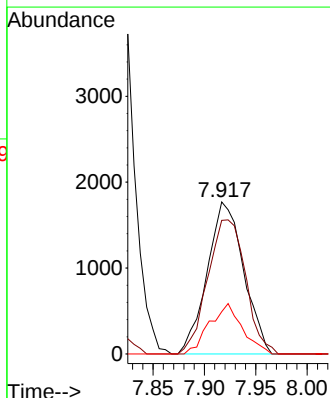
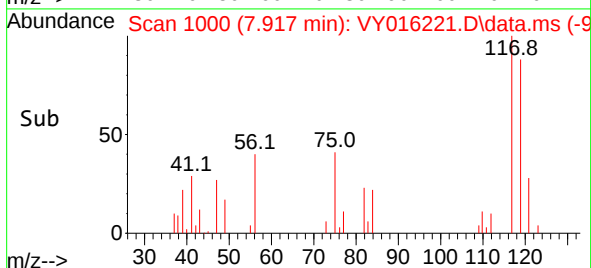
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023

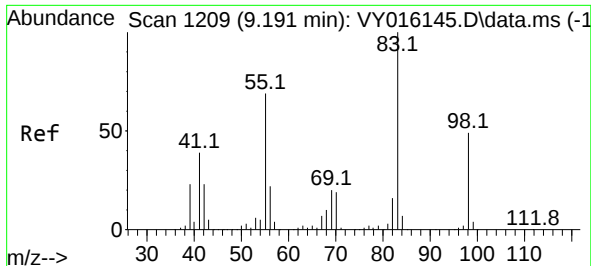


#38
Carbon Tetrachloride
Concen: 2.008 ug/l
RT: 7.917 min Scan# 1000
Delta R.T. 0.006 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55



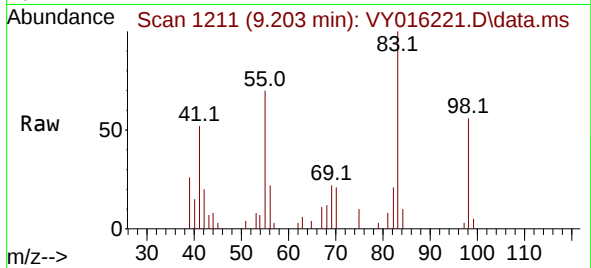
Tgt Ion:117 Resp: 4364
Ion Ratio Lower Upper
117 100
119 87.9 76.4 114.6
121 27.7 25.8 38.6





#39
Methylcyclohexane
Concen: 1.724 ug/l
RT: 9.203 min Scan# 1043
Delta R.T. 0.012 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

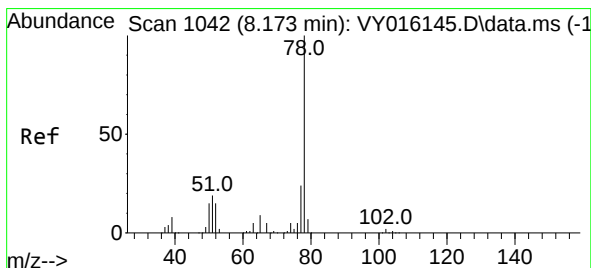
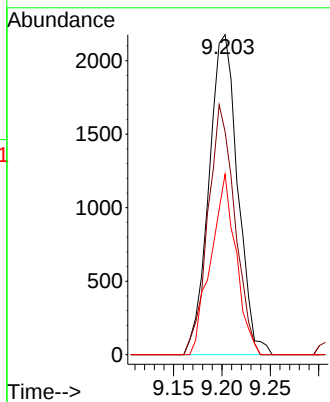
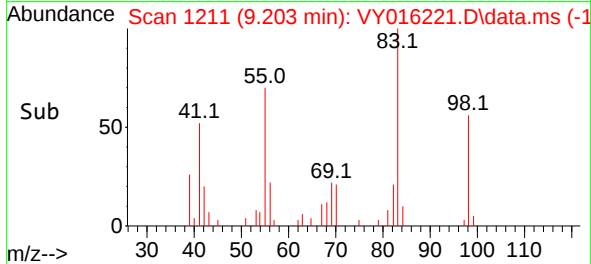
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion: 83 Resp: 4514
Ion Ratio Lower Upper
83 100
55 69.7 63.0 94.4
98 56.4 37.4 56.2

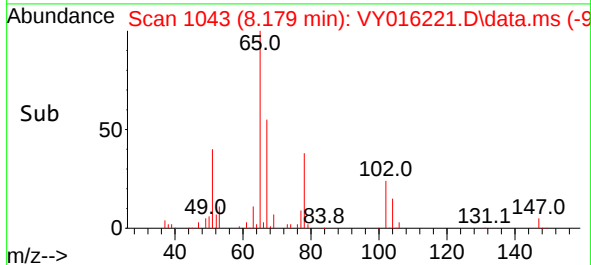
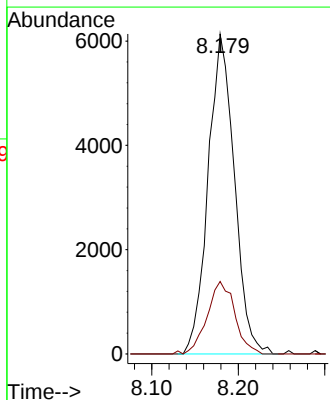
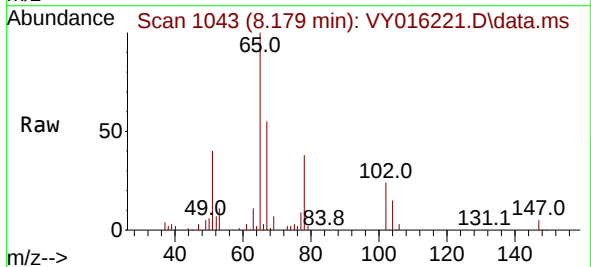
Manual Integrations
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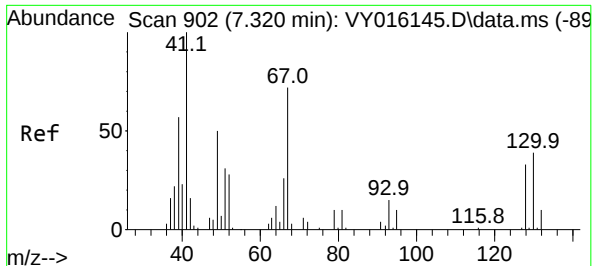
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#40
Benzene
Concen: 2.049 ug/l
RT: 8.179 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

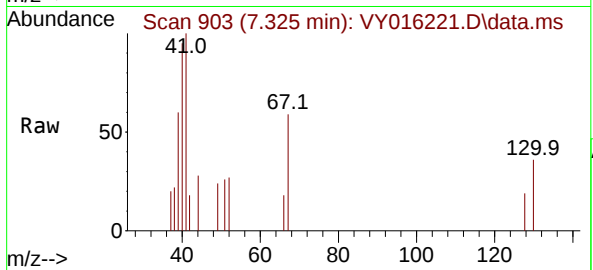
Tgt Ion: 78 Resp: 12903
Ion Ratio Lower Upper
78 100
77 22.6 19.0 28.6





#41
Methacrylonitrile
Concen: 1.592 ug/l
RT: 7.325 min Scan# 902
Delta R.T. 0.006 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

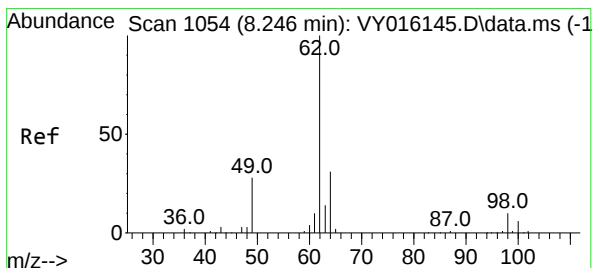
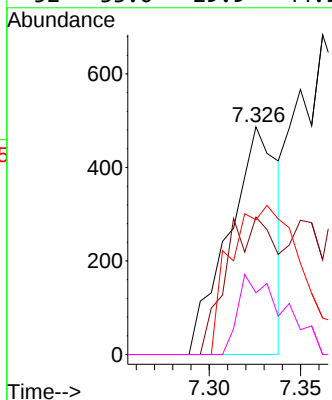
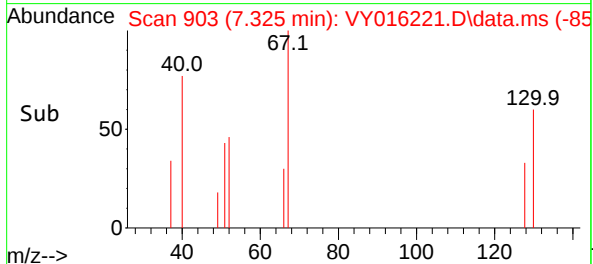
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:	41	Resp:	902
Ion Ratio	100	Lower	Upper
39	61.2	52.1	78.1
67	96.0	66.2	99.2
52	33.0	29.9	44.9

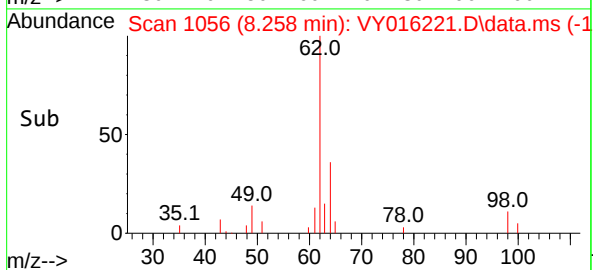
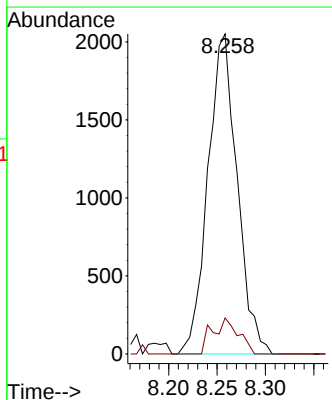
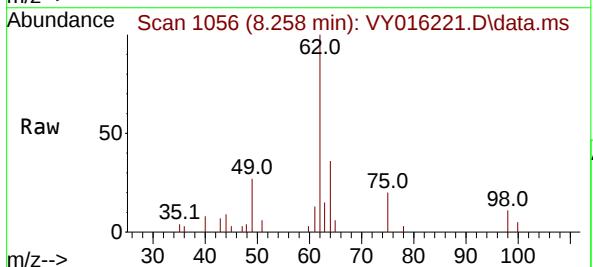
Manual Integrations
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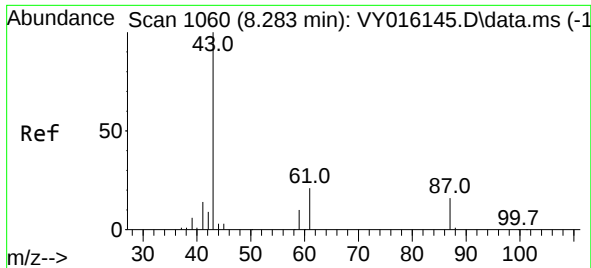
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#42
1,2-Dichloroethane
Concen: 2.455 ug/l
RT: 8.258 min Scan# 1056
Delta R.T. 0.012 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Tgt Ion:	62	Resp:	4316
Ion Ratio	100	Lower	Upper
98	9.9	0.0	15.8





#43

Isopropyl Acetate

Concen: 2.057 ug/l

RT: 8.289 min Scan# 1060

Delta R.T. 0.006 min

Lab File: VY016221.D

Acq: 03 Nov 2023 19:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023

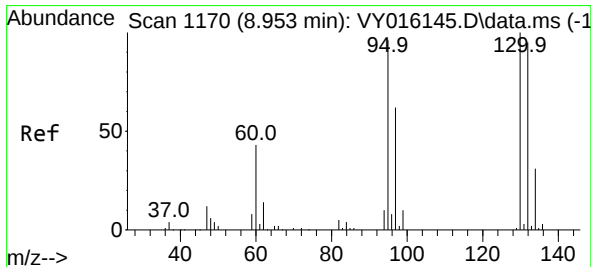
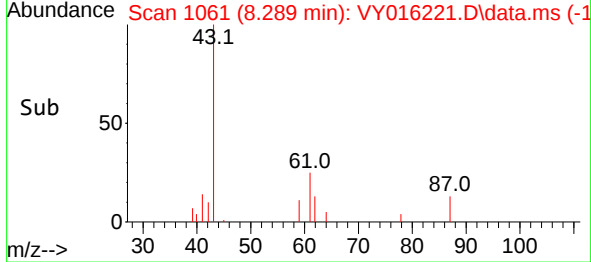
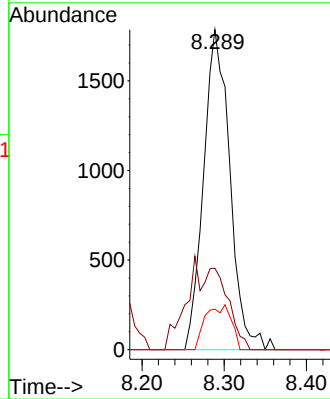
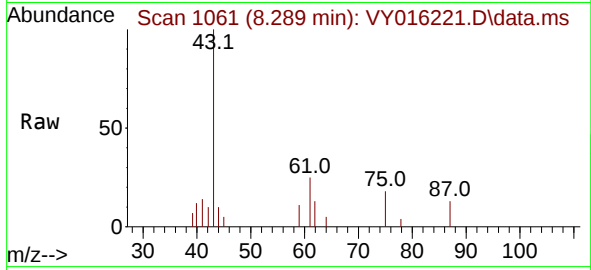
Tgt Ion: 43	Resp: 3975
Ion Ratio	Lower Upper
43 100	
61 19.9	21.1 31.7
87 13.7	9.8 14.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#44

Trichloroethene

Concen: 1.890 ug/l

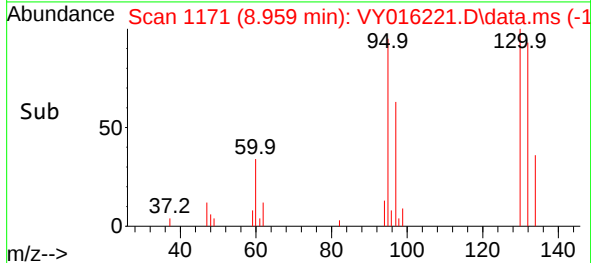
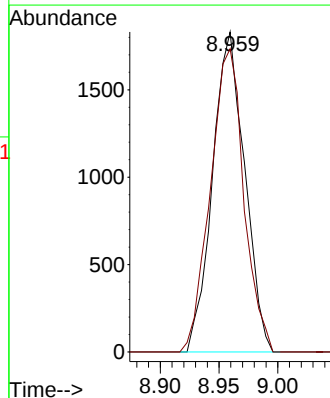
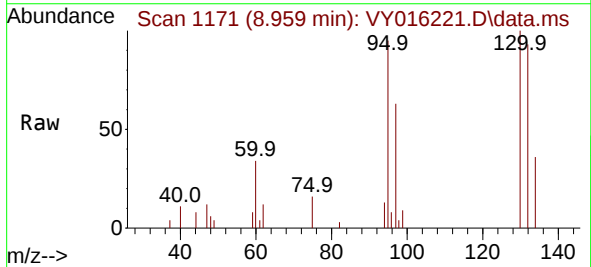
RT: 8.959 min Scan# 1171

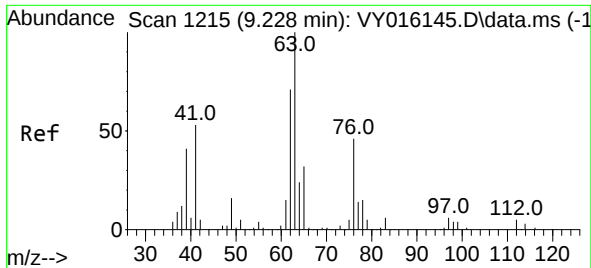
Delta R.T. 0.006 min

Lab File: VY016221.D

Acq: 03 Nov 2023 19:55

Tgt Ion:130	Resp: 3484
Ion Ratio	Lower Upper
130 100	
95 94.8	0.0 196.0





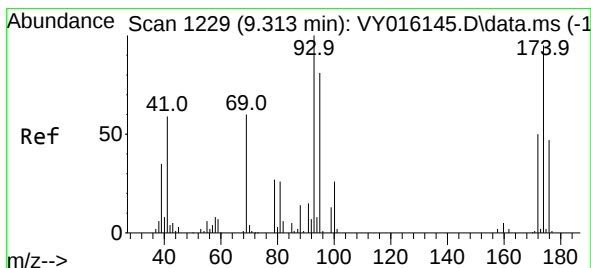
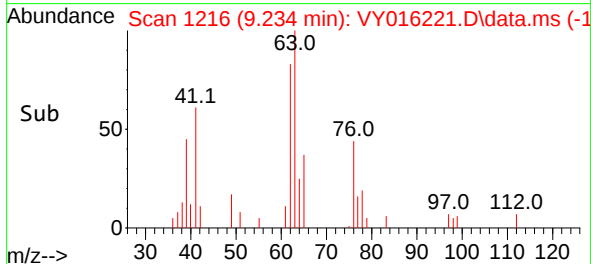
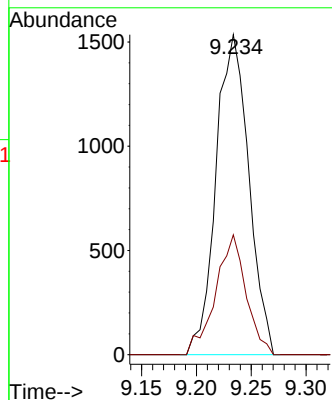
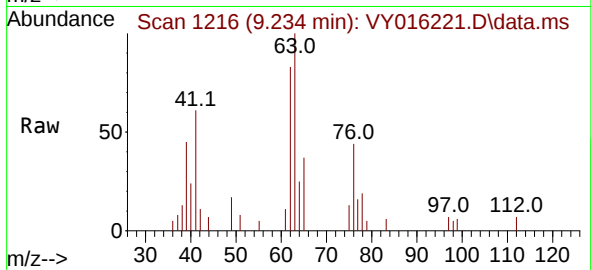
#45
1,2-Dichloropropane
Concen: 2.103 ug/l
RT: 9.234 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion: 63 Resp: 318
Ion Ratio Lower Upper
63 100
65 37.5 23.8 35.6

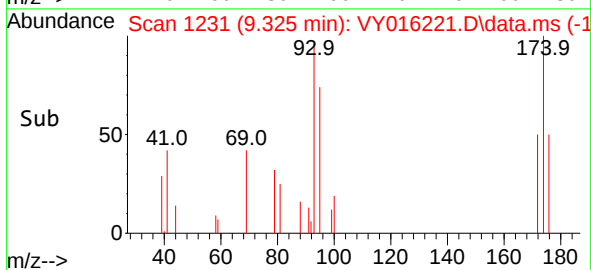
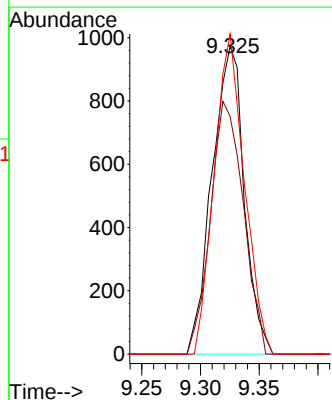
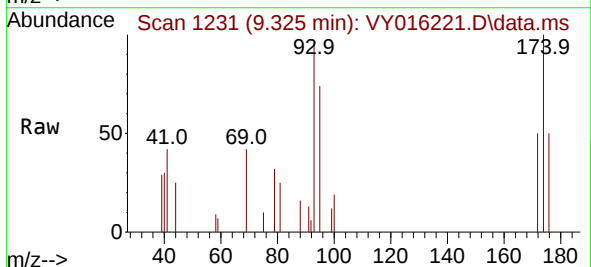
Manual Integrations
APPROVED

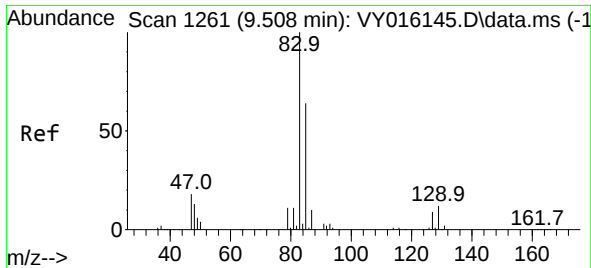
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#46
Dibromomethane
Concen: 2.155 ug/l
RT: 9.325 min Scan# 1231
Delta R.T. 0.012 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Tgt Ion: 93 Resp: 1852
Ion Ratio Lower Upper
93 100
95 83.9 66.6 100.0
174 97.5 84.8 127.2





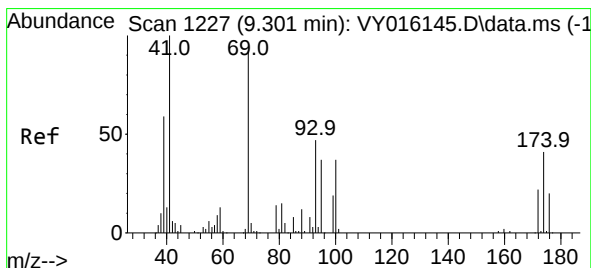
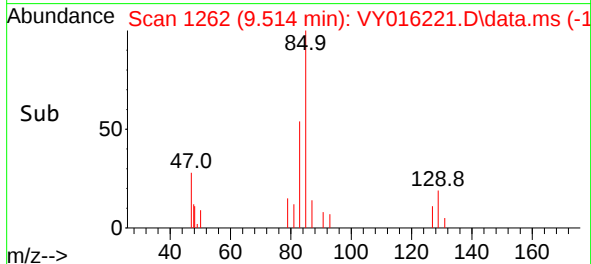
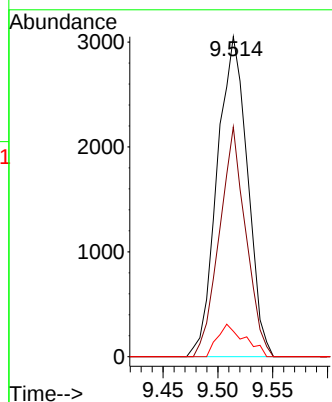
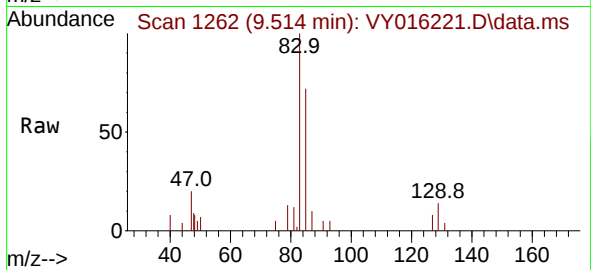
#47
Bromodichloromethane
Concen: 2.684 ug/l
RT: 9.514 min Scan# 1262
Delta R.T. 0.006 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion: 83 Resp: 586
Ion Ratio Lower Upper
83 100
85 71.8 50.1 75.1
127 7.9 7.1 10.7

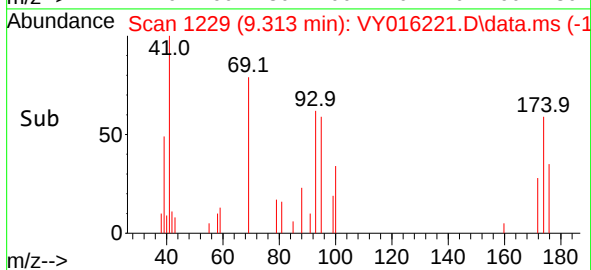
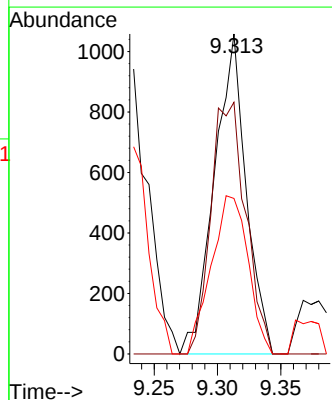
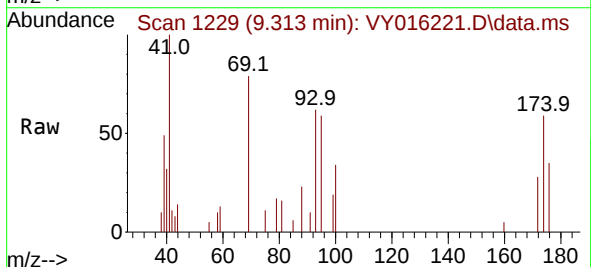
Manual Integrations
APPROVED

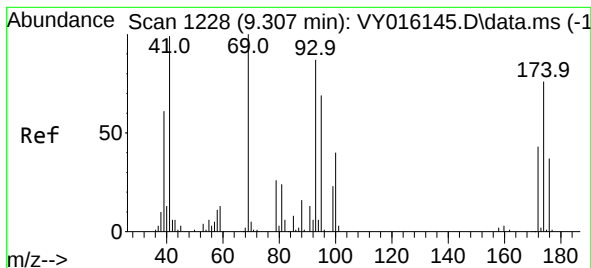
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#48
Methyl methacrylate
Concen: 2.104 ug/l
RT: 9.313 min Scan# 1229
Delta R.T. 0.012 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Tgt Ion: 41 Resp: 1849
Ion Ratio Lower Upper
41 100
69 86.4 64.5 96.7
39 57.2 50.8 76.2





#49

1,4-Dioxane

Concen: 27.059 ug/l

RT: 9.307 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016221.D

Acq: 03 Nov 2023 19:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023

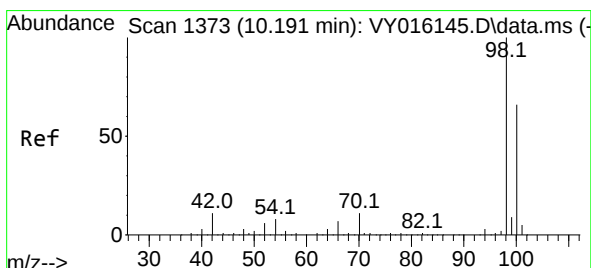
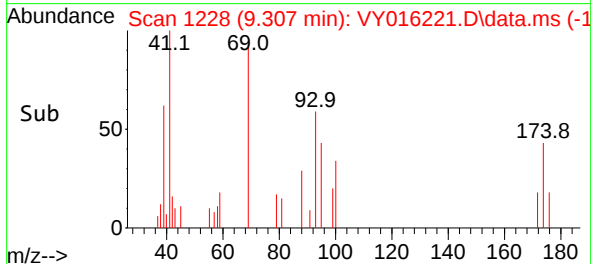
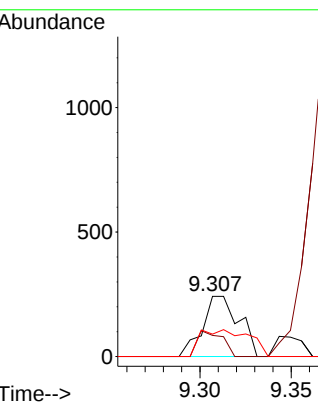
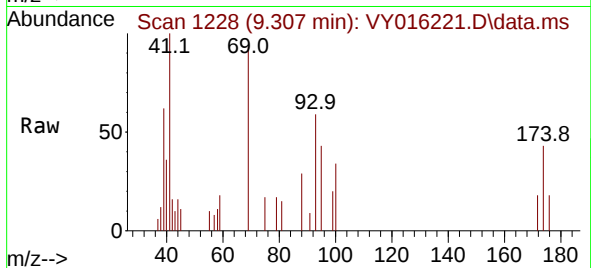
Tgt Ion: 88 Resp: 338
 Ion Ratio Lower Upper
 88 100
 43 29.0 0.0 0.0
 58 60.1 30.9 46.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#50

Toluene-d8

Concen: 48.882 ug/l

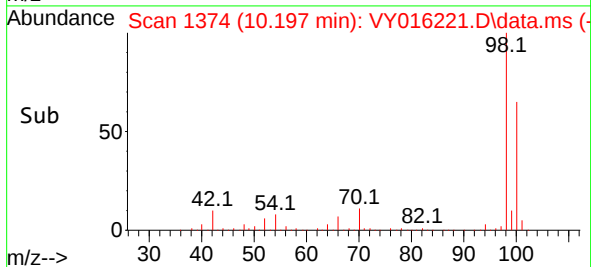
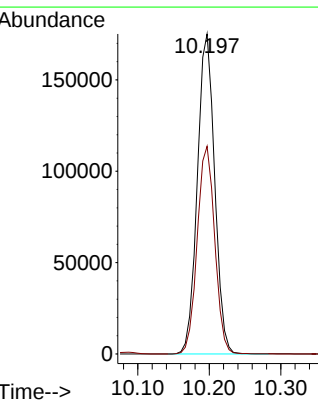
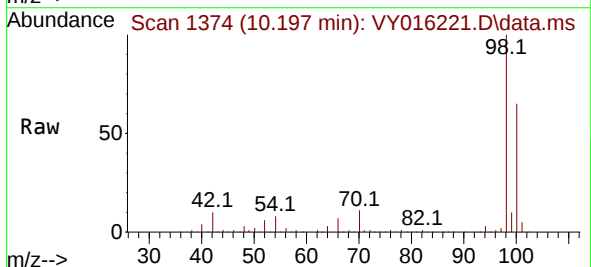
RT: 10.197 min Scan# 1374

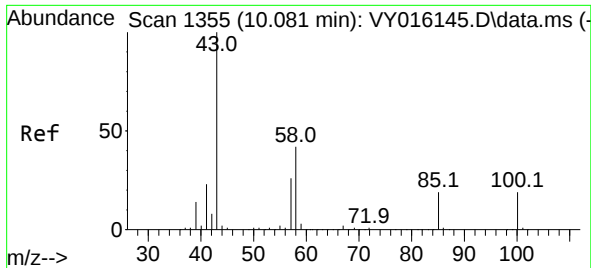
Delta R.T. 0.006 min

Lab File: VY016221.D

Acq: 03 Nov 2023 19:55

Tgt Ion: 98 Resp: 294460
 Ion Ratio Lower Upper
 98 100
 100 65.6 50.1 75.1





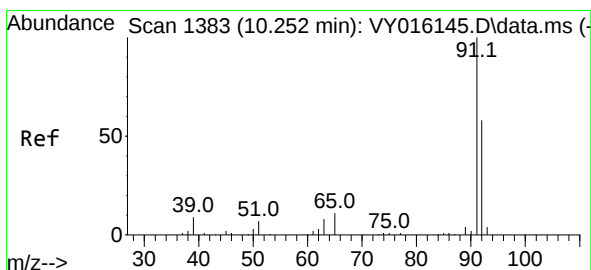
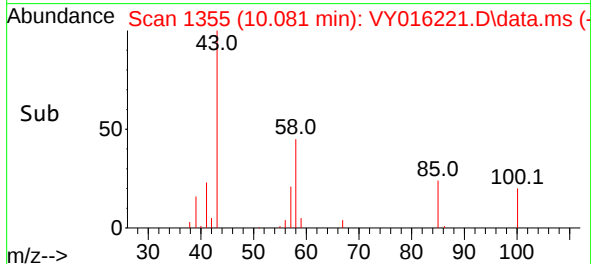
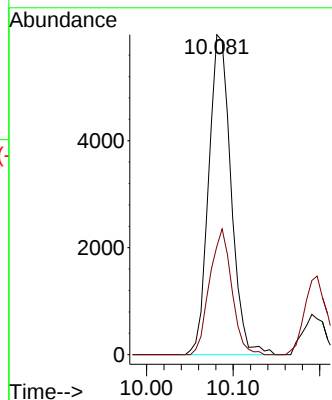
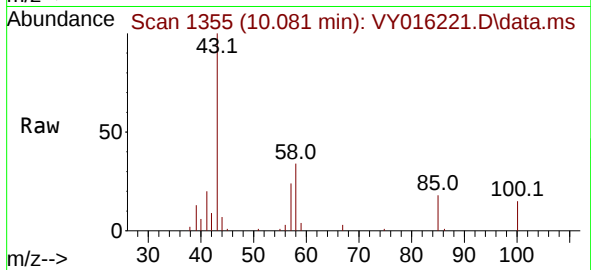
#51
4-Methyl-2-Pentanone
Concen: 11.117 ug/l
RT: 10.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion: 43 Resp: 1072
Ion Ratio Lower Upper
43 100
58 38.9 29.0 43.6

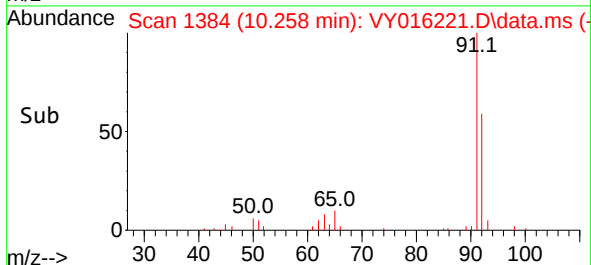
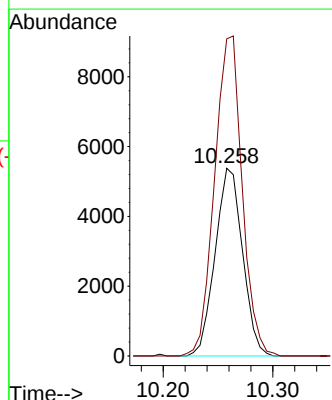
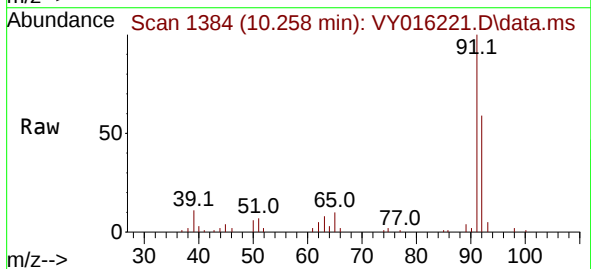
Manual Integrations
APPROVED

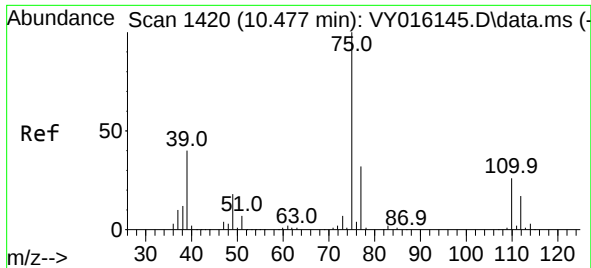
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#52
Toluene
Concen: 2.290 ug/l
RT: 10.258 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

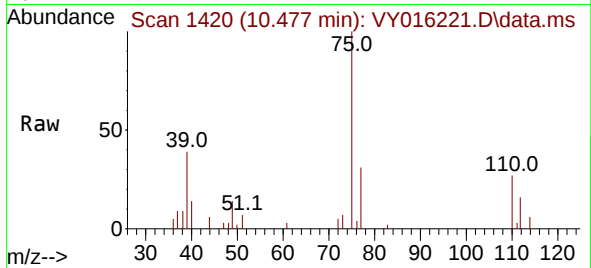
Tgt Ion: 92 Resp: 9348
Ion Ratio Lower Upper
92 100
91 171.7 143.8 215.6





#53
t-1,3-Dichloropropene
Concen: 2.080 ug/l
RT: 10.477 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

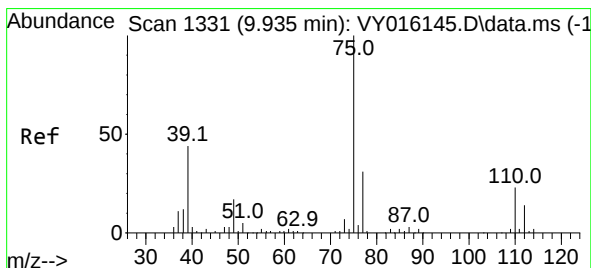
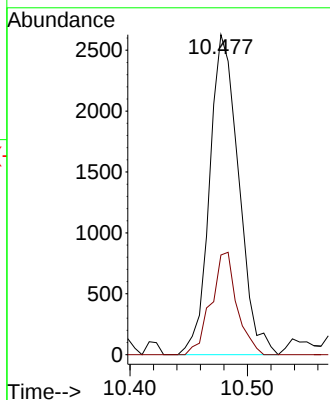
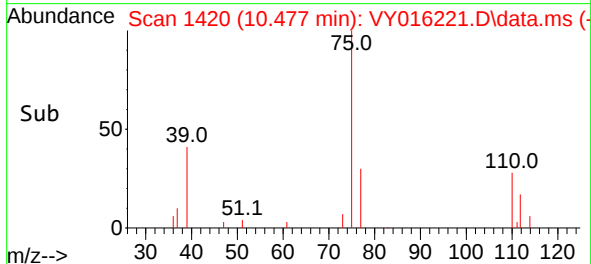
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT4-2023



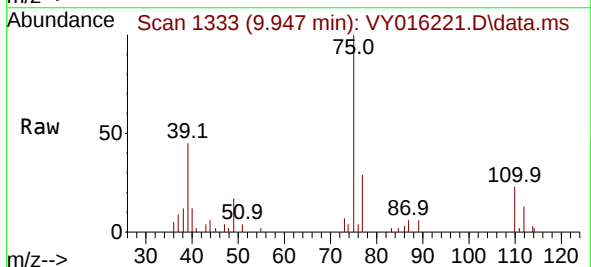
Tgt Ion: 75 Resp: 4534
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.4

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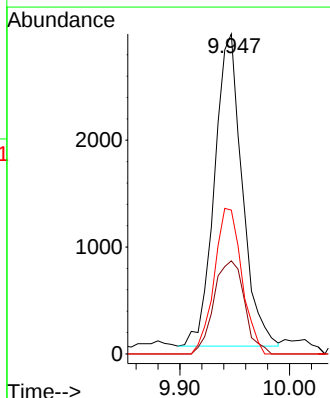
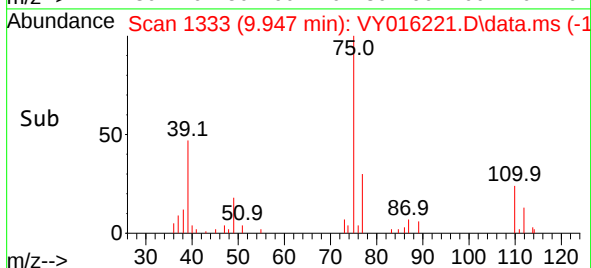
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023

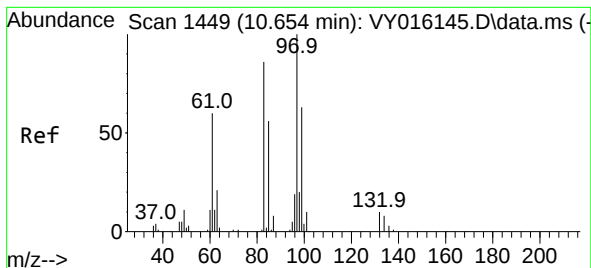


#54
cis-1,3-Dichloropropene
Concen: 2.003 ug/l
RT: 9.947 min Scan# 1333
Delta R.T. 0.012 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55



Tgt Ion: 75 Resp: 5125
Ion Ratio Lower Upper
75 100
77 29.8 24.2 36.4
39 46.1 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 2.294 ug/l

RT: 10.660 min Scan# 1449

Delta R.T. 0.006 min

Lab File: VY016221.D

Acq: 03 Nov 2023 19:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023

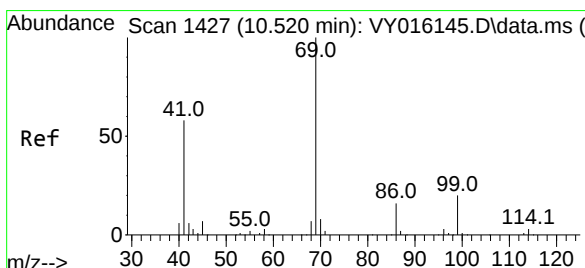
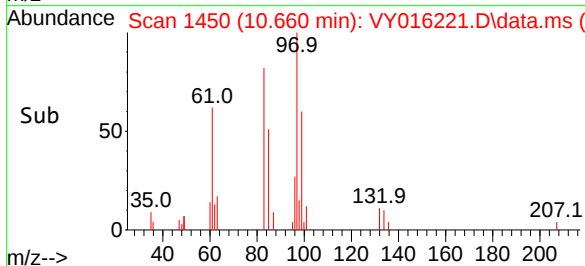
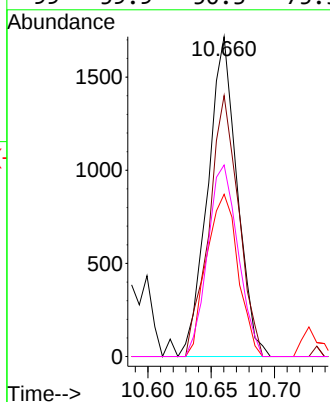
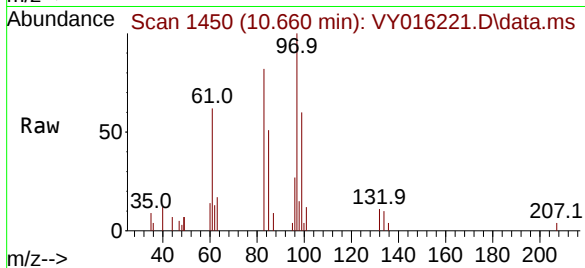
Tgt Ion:	97	Resp:	277
Ion	Ratio	Lower	Upper
97	100		
83	81.6	72.0	108.0
85	50.7	45.4	68.0
99	59.9	50.3	75.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#56

Ethyl methacrylate

Concen: 1.912 ug/l

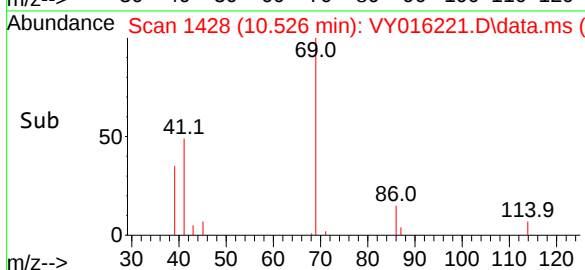
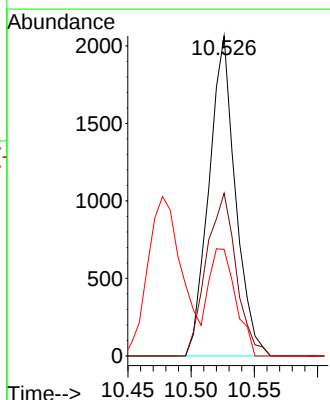
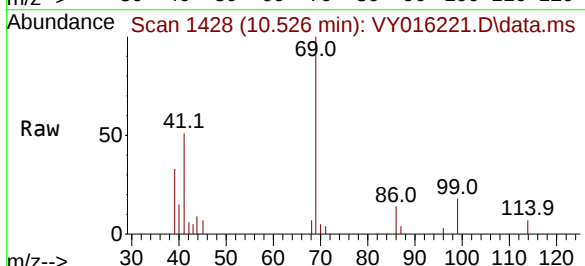
RT: 10.526 min Scan# 1428

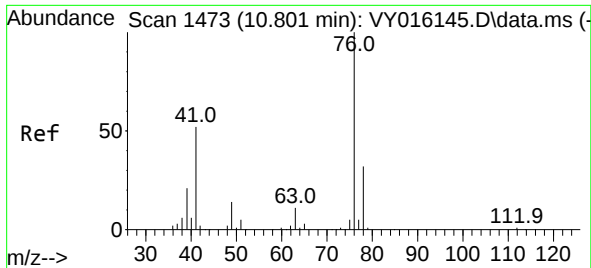
Delta R.T. 0.006 min

Lab File: VY016221.D

Acq: 03 Nov 2023 19:55

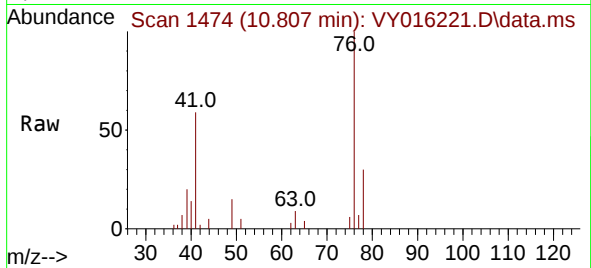
Tgt Ion:	69	Resp:	3002
Ion	Ratio	Lower	Upper
69	100		
41	57.6	57.6	86.4#
39	33.8	34.1	51.1#





#57
1,3-Dichloropropane
Concen: 2.194 ug/l
RT: 10.807 min Scan# 1473
Delta R.T. 0.006 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

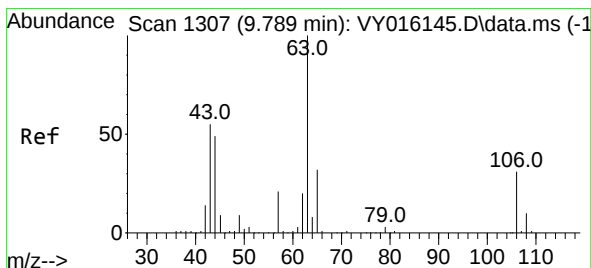
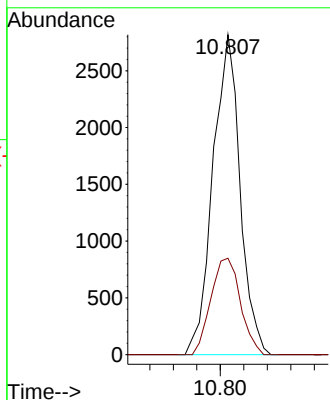
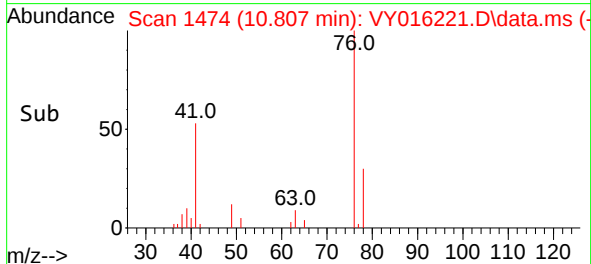
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT4-2023



Tgt Ion: 76 Resp: 451
Ion Ratio Lower Upper
76 100
78 32.7 25.3 37.9

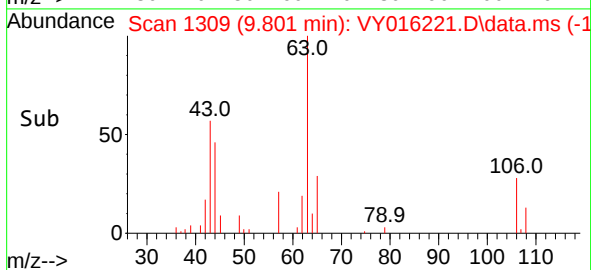
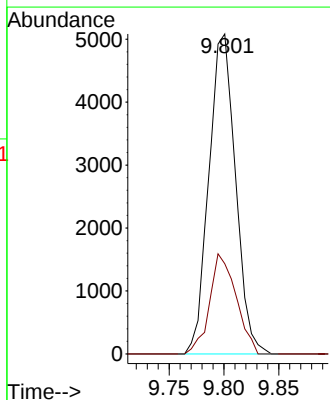
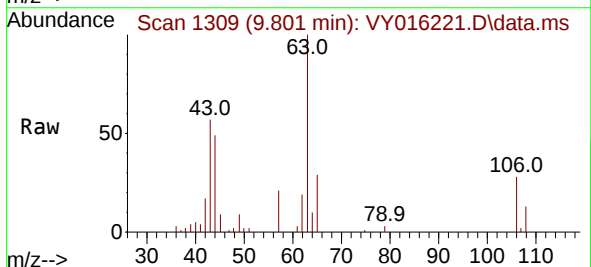
Manual Integrations
APPROVED

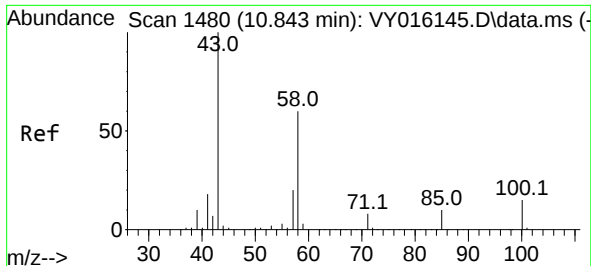
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#58
2-Chloroethyl Vinyl ether
Concen: 11.304 ug/l
RT: 9.801 min Scan# 1309
Delta R.T. 0.012 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Tgt Ion: 63 Resp: 8607
Ion Ratio Lower Upper
63 100
106 31.1 21.2 31.8





#59

2-Hexanone

Concen: 10.145 ug/l

RT: 10.849 min Scan# 1480

Delta R.T. 0.006 min

Lab File: VY016221.D

Acq: 03 Nov 2023 19:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023

Tgt Ion: 43 Resp: 670

Ion Ratio Lower Upper

43 100

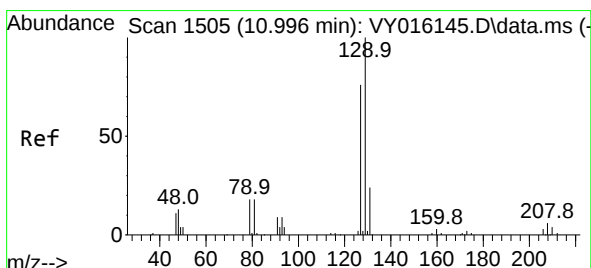
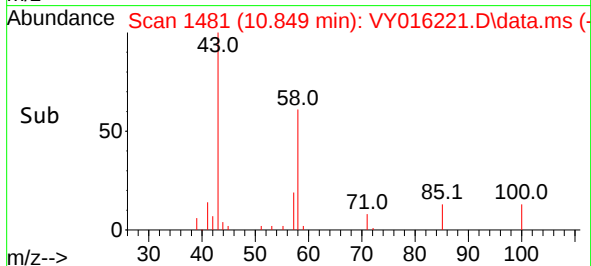
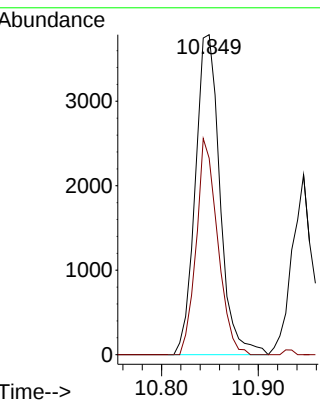
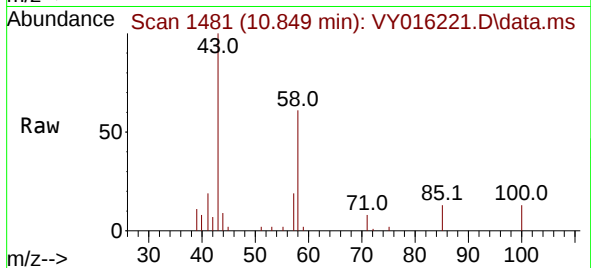
58 58.6 25.1 75.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#60

Dibromochloromethane

Concen: 2.133 ug/l

RT: 11.002 min Scan# 1506

Delta R.T. 0.006 min

Lab File: VY016221.D

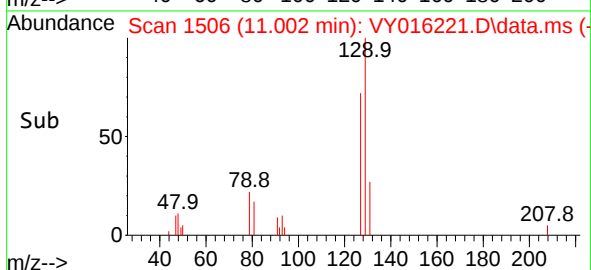
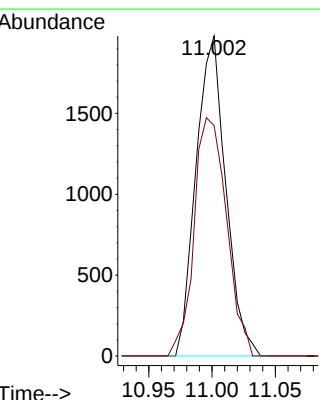
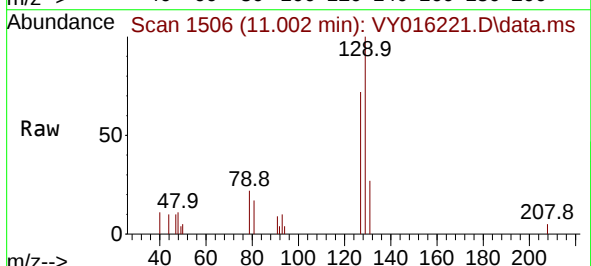
Acq: 03 Nov 2023 19:55

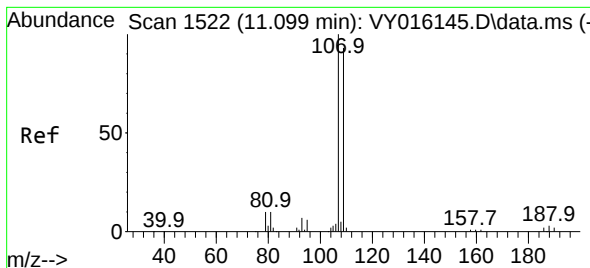
Tgt Ion:129 Resp: 3236

Ion Ratio Lower Upper

129 100

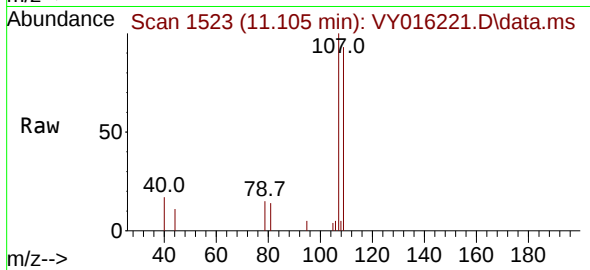
127 81.3 38.5 115.5





#61
1,2-Dibromoethane
Concen: 2.050 ug/l
RT: 11.105 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

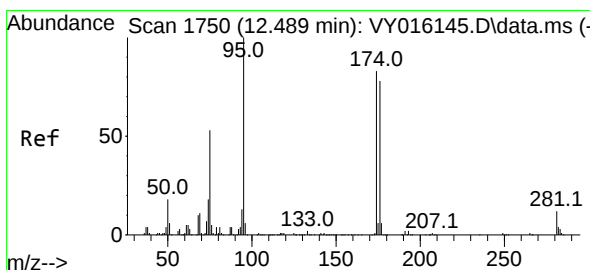
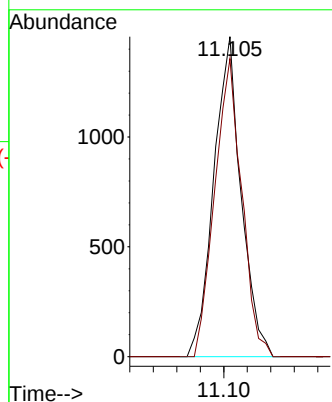
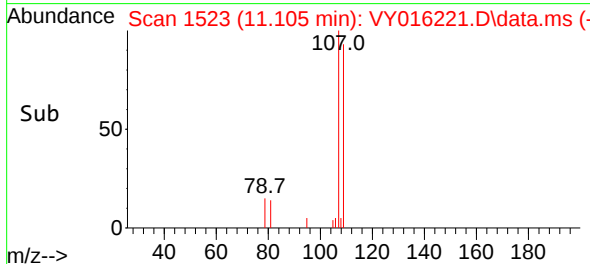
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



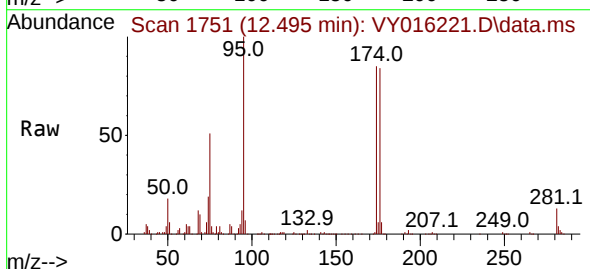
Tgt Ion:107 Resp: 235
Ion Ratio Lower Upper
107 100
109 91.9 75.6 113.4

Manual Integrations
APPROVED

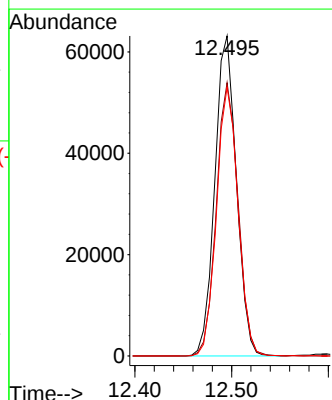
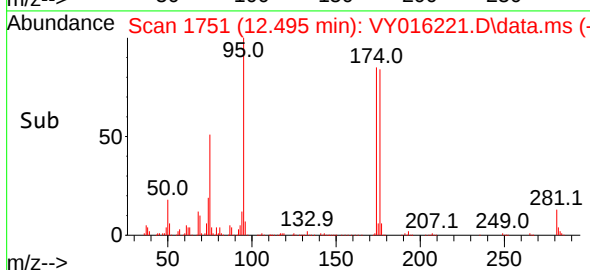
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023

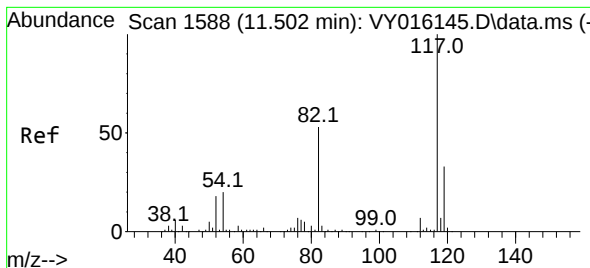


#62
4-Bromofluorobenzene
Concen: 47.481 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55



Tgt Ion: 95 Resp: 97804
Ion Ratio Lower Upper
95 100
174 86.1 0.0 178.2
176 83.8 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: VY016221.D

Acq: 03 Nov 2023 19:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023

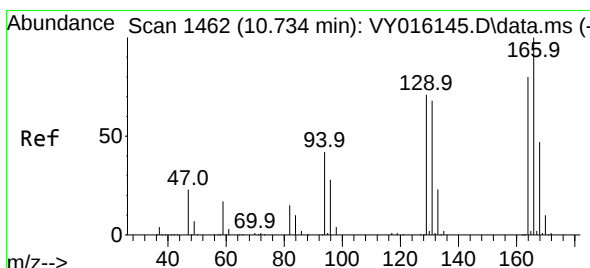
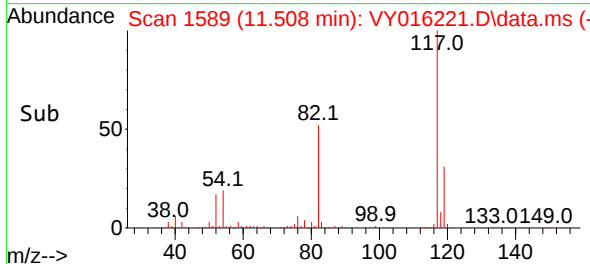
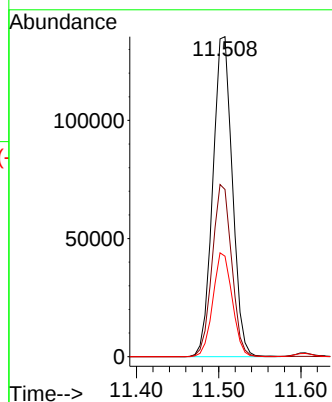
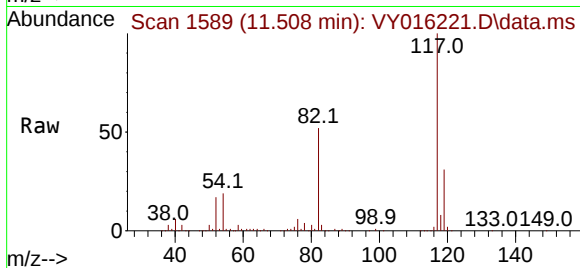
Tgt Ion:117	Resp: 22353
Ion Ratio	Lower Upper
117 100	
82 52.2	43.4 65.0
119 31.4	26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#64

Tetrachloroethene

Concen: 1.876 ug/l

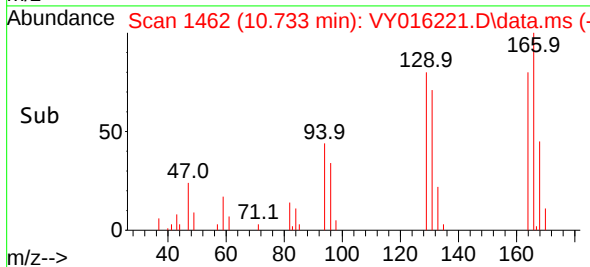
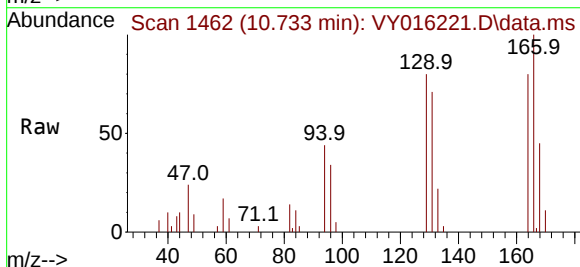
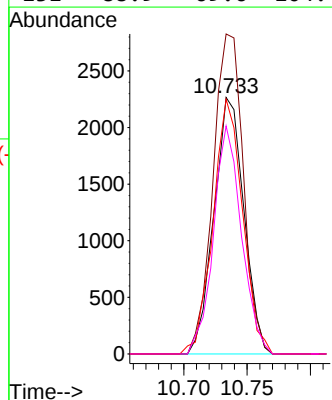
RT: 10.733 min Scan# 1462

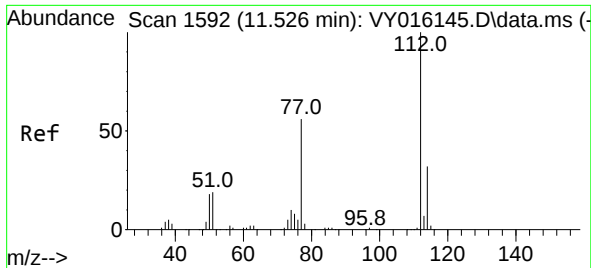
Delta R.T. -0.000 min

Lab File: VY016221.D

Acq: 03 Nov 2023 19:55

Tgt Ion:164	Resp: 3731
Ion Ratio	Lower Upper
164 100	
166 124.8	103.0 154.6
129 99.3	77.2 115.8
131 88.9	69.6 104.4





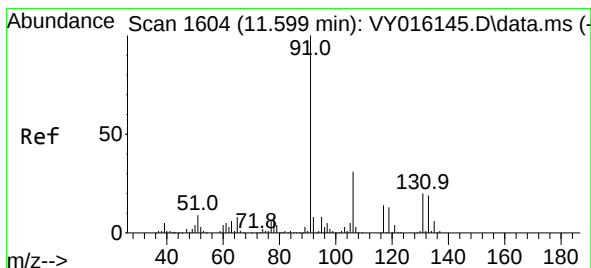
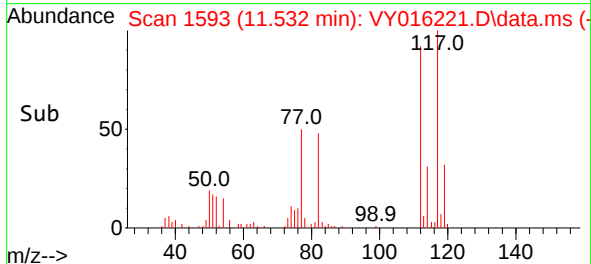
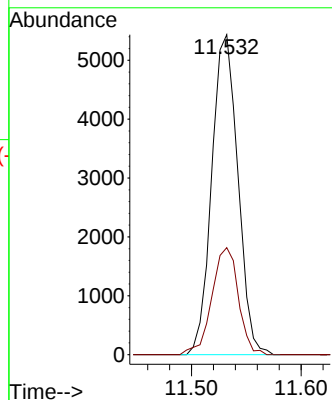
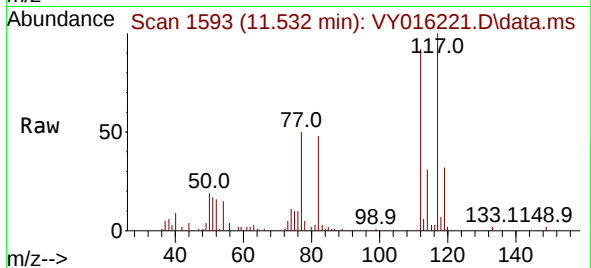
#65
Chlorobenzene
Concen: 2.029 ug/l
RT: 11.532 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion:112 Resp: 901
Ion Ratio Lower Upper
112 100
114 33.4 25.5 38.3

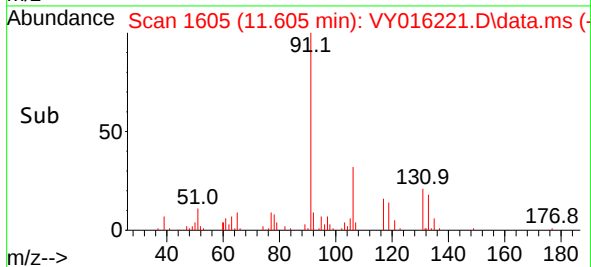
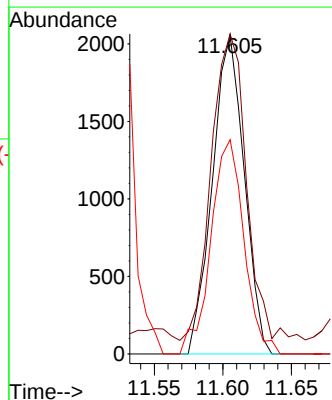
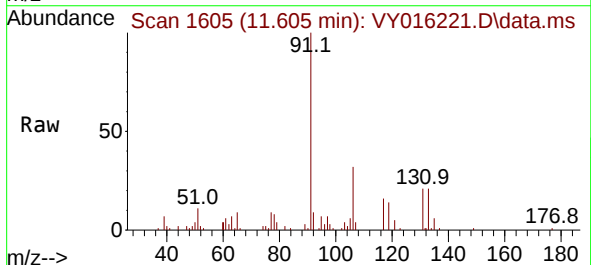
Manual Integrations
APPROVED

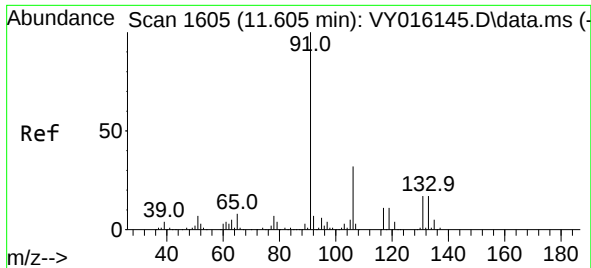
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 2.018 ug/l
RT: 11.605 min Scan# 1605
Delta R.T. 0.006 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Tgt Ion:131 Resp: 3319
Ion Ratio Lower Upper
131 100
133 107.9 47.5 142.6
119 69.7 31.6 94.7





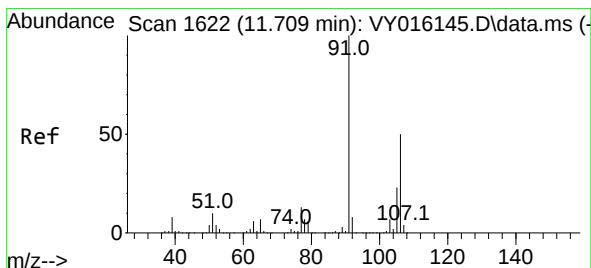
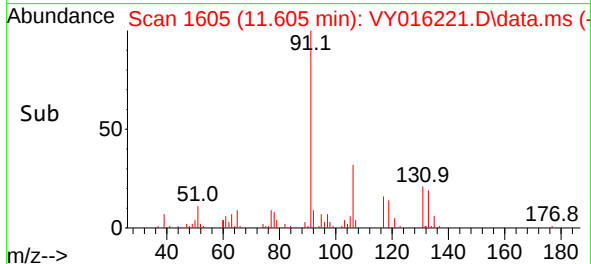
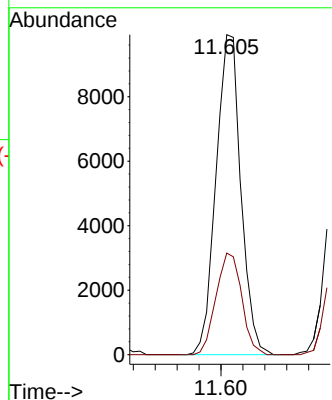
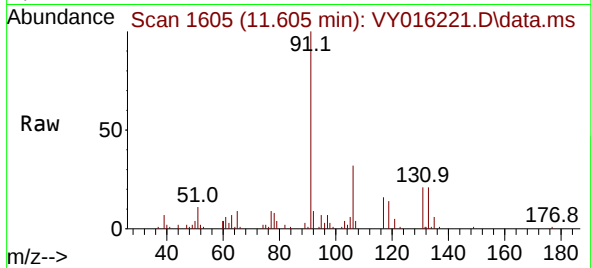
#67
Ethyl Benzene
Concen: 1.967 ug/l
RT: 11.605 min Scan# 1605
Delta R.T. -0.000 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion: 91 Resp: 1562
Ion Ratio Lower Upper
91 100
106 31.8 24.6 36.8

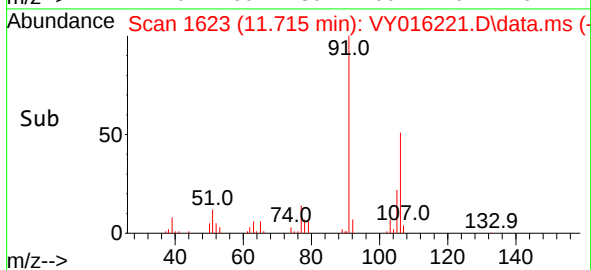
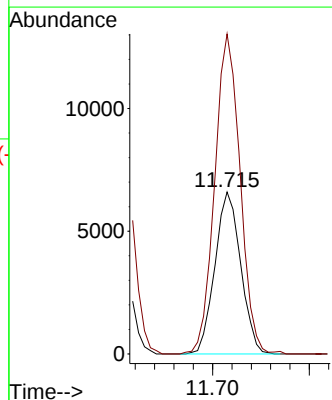
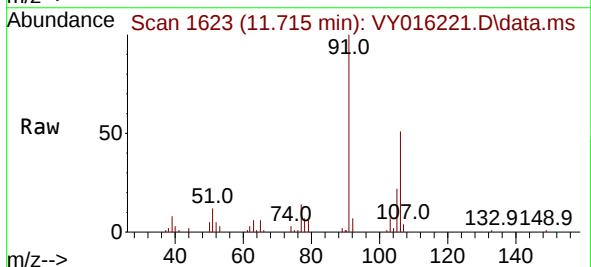
Manual Integrations
APPROVED

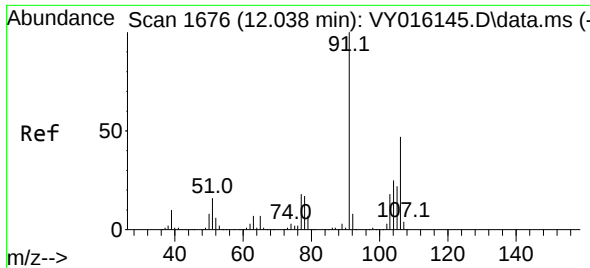
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#68
m/p-Xylenes
Concen: 3.976 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.006 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Tgt Ion:106 Resp: 12204
Ion Ratio Lower Upper
106 100
91 194.6 166.1 249.1





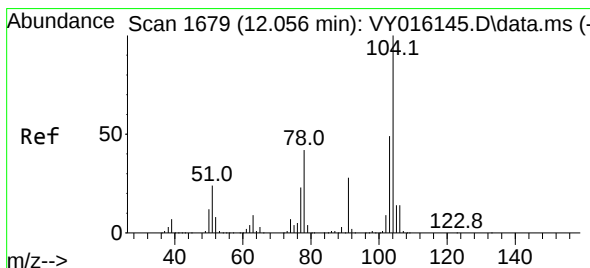
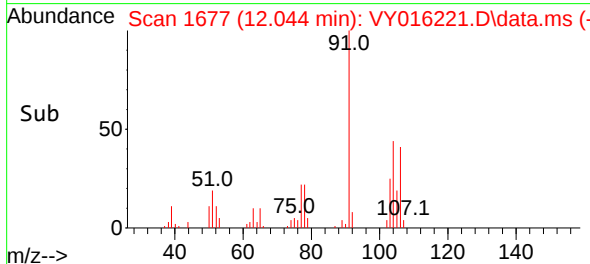
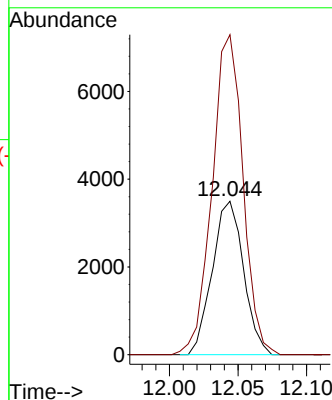
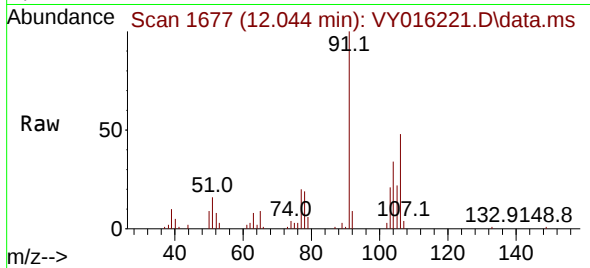
#69
o-Xylene
Concen: 1.894 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion:106 Resp: 5552
Ion Ratio Lower Upper
106 100
91 205.7 108.1 324.3

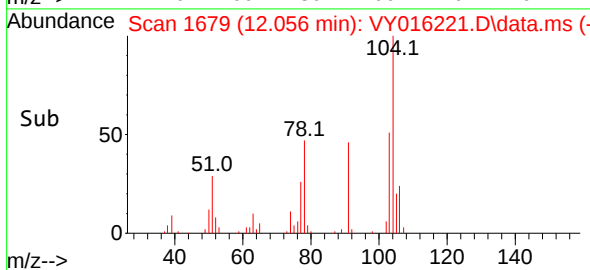
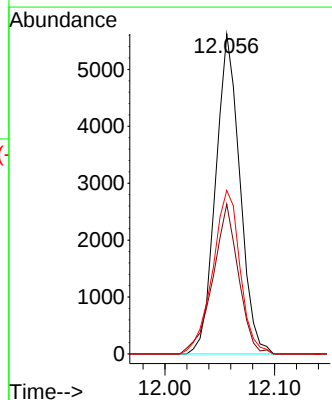
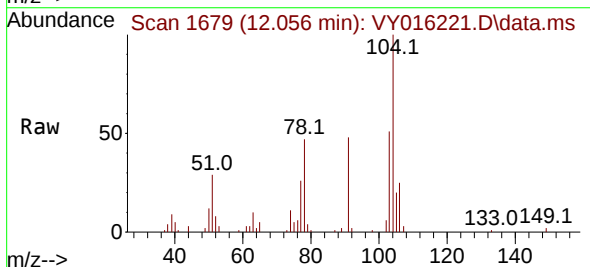
Manual Integrations
APPROVED

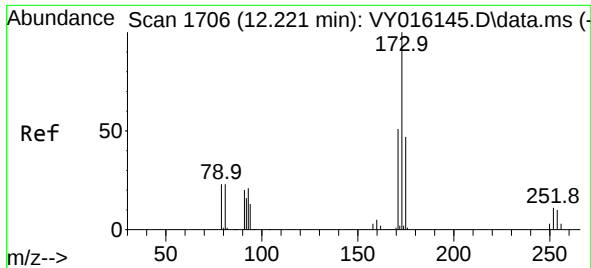
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#70
Styrene
Concen: 1.771 ug/l
RT: 12.056 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

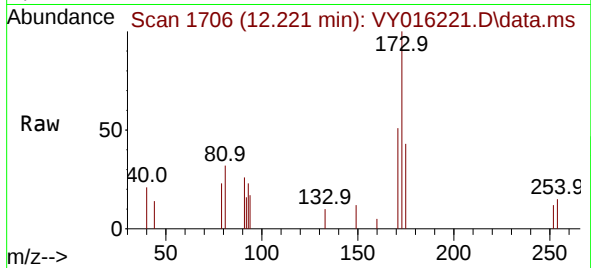
Tgt Ion:104 Resp: 8629
Ion Ratio Lower Upper
104 100
78 49.4 41.5 62.3
103 57.7 44.6 67.0





#71
Bromoform
Concen: 2.021 ug/l
RT: 12.221 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

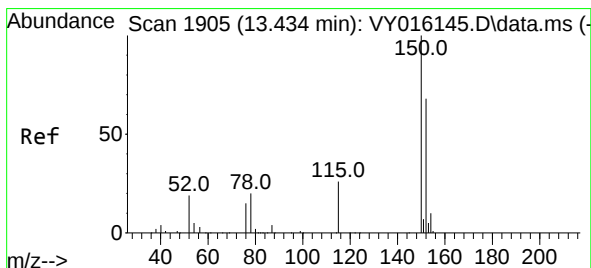
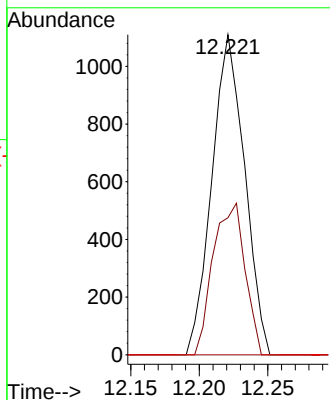
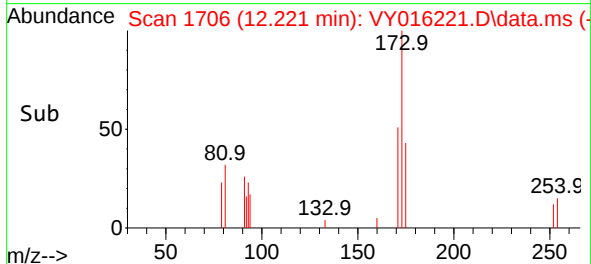
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



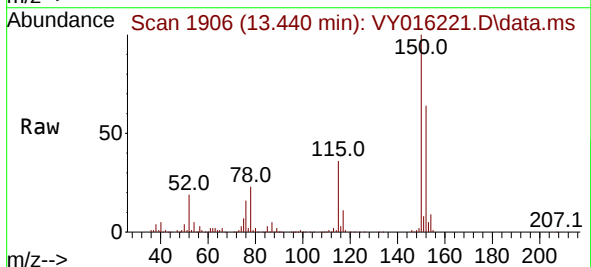
Tgt Ion:173 Resp: 184
Ion Ratio Lower Upper
173 100
175 45.9 24.6 73.8
254 0.0 0.2 0.2

Manual Integrations
APPROVED

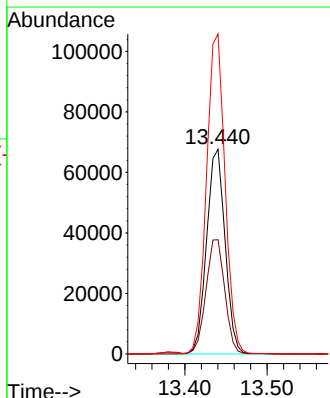
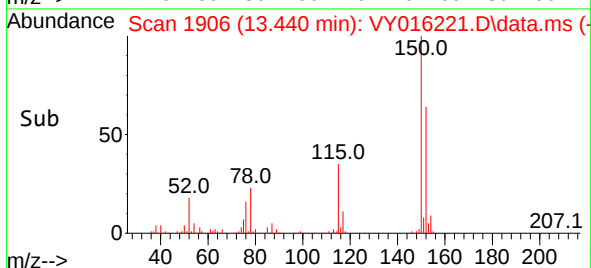
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023

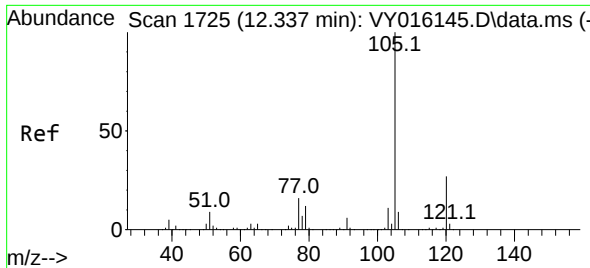


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.006 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55



Tgt Ion:152 Resp: 105767
Ion Ratio Lower Upper
152 100
115 56.6 28.8 86.5
150 157.0 0.0 348.8





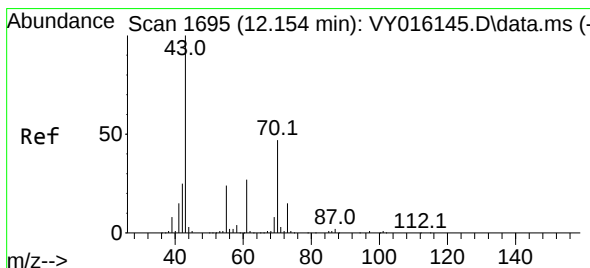
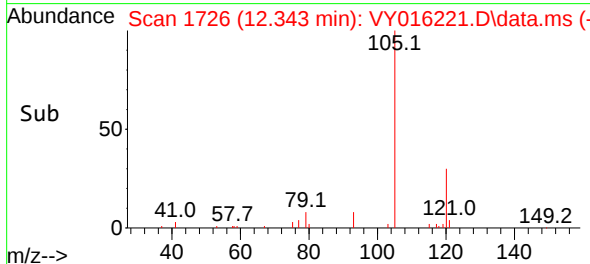
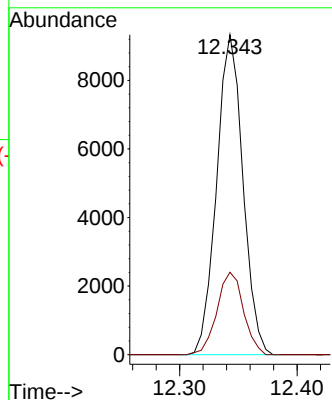
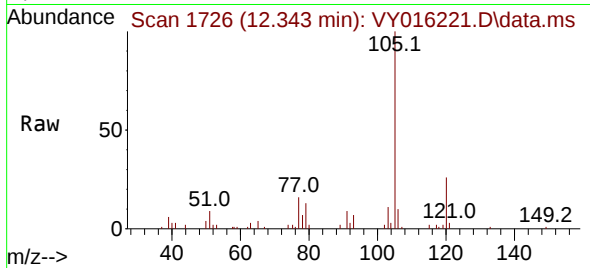
#73
Isopropylbenzene
Concen: 1.830 ug/l
RT: 12.343 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion:105 Resp: 1451
Ion Ratio Lower Upper
105 100
120 25.9 13.3 39.9

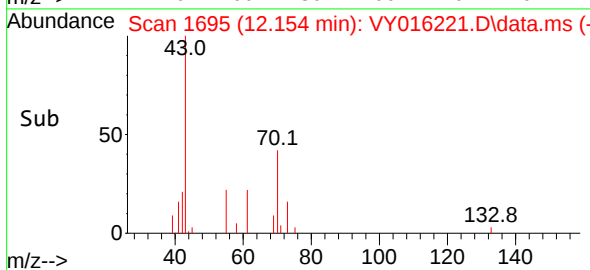
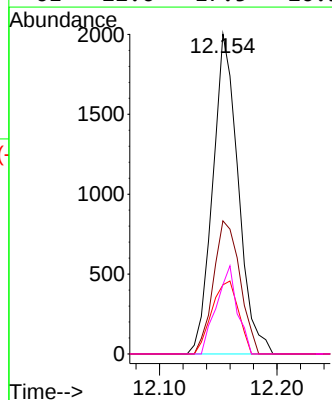
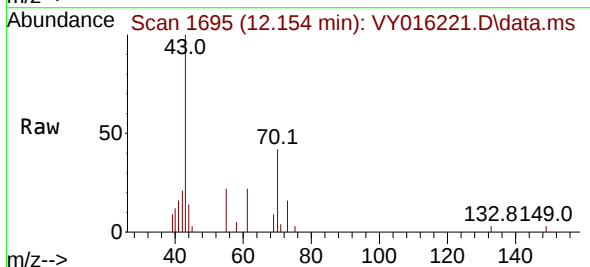
Manual Integrations
APPROVED

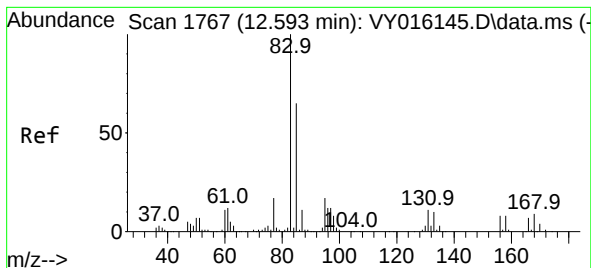
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#74
N-ethyl acetate
Concen: 1.750 ug/l
RT: 12.154 min Scan# 1695
Delta R.T. -0.000 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Tgt Ion: 43 Resp: 3018
Ion Ratio Lower Upper
43 100
70 43.3 29.7 44.5
55 23.7 18.3 27.5
61 22.6 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 2.090 ug/l

RT: 12.593 min Scan# 1767

Delta R.T. -0.000 min

Lab File: VY016221.D

Acq: 03 Nov 2023 19:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023

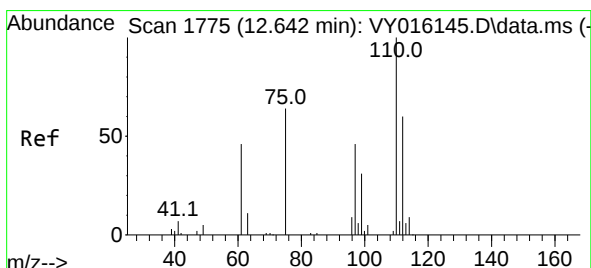
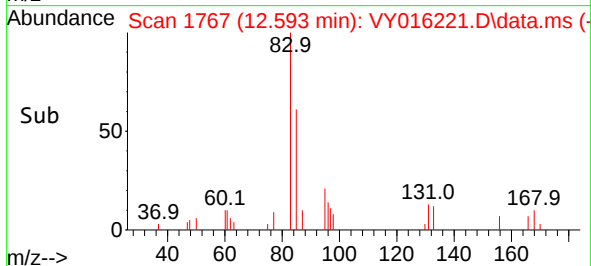
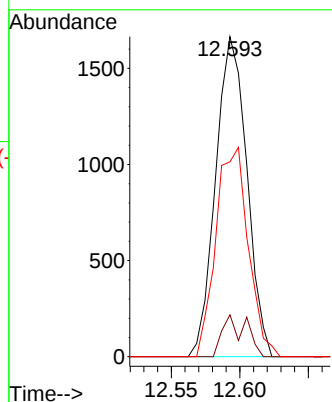
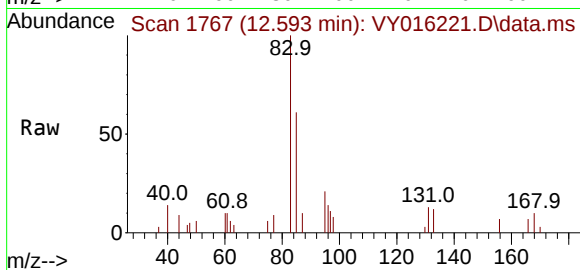
Tgt Ion:	83	Resp:	2639
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.4	16.2
85	67.8	31.8	95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#76

1,2,3-Trichloropropane

Concen: 2.247 ug/l m

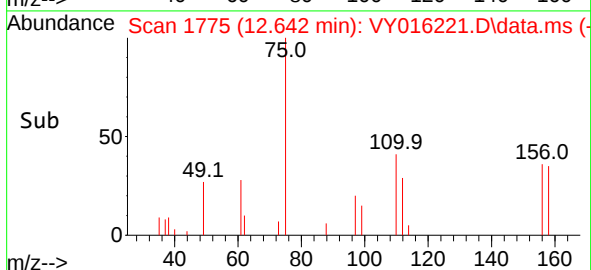
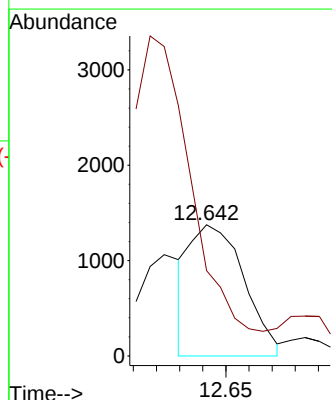
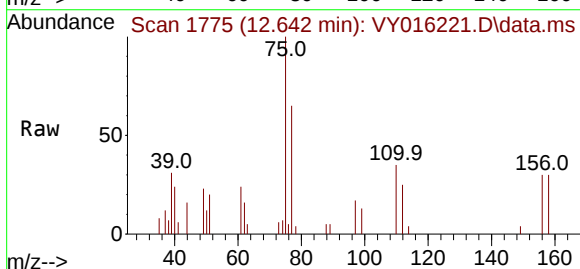
RT: 12.642 min Scan# 1775

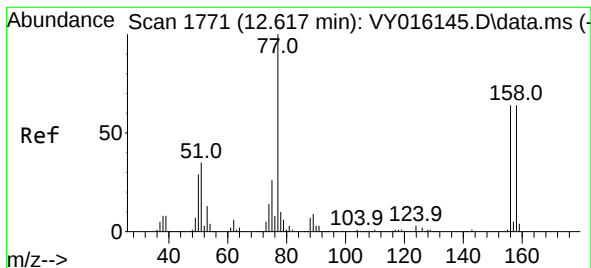
Delta R.T. -0.000 min

Lab File: VY016221.D

Acq: 03 Nov 2023 19:55

Tgt Ion:	75	Resp:	2238
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 2.070 ug/l

RT: 12.623 min Scan# 1771

Delta R.T. 0.006 min

Lab File: VY016221.D

Acq: 03 Nov 2023 19:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023

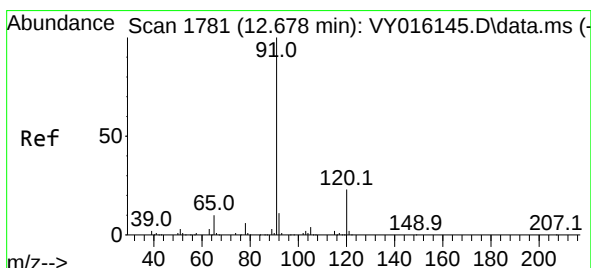
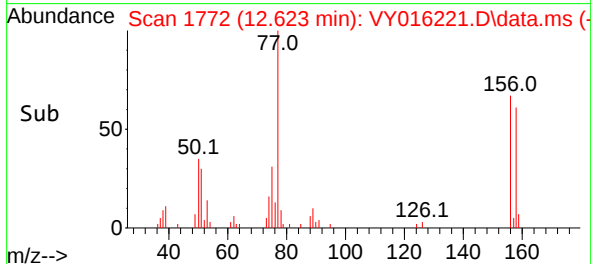
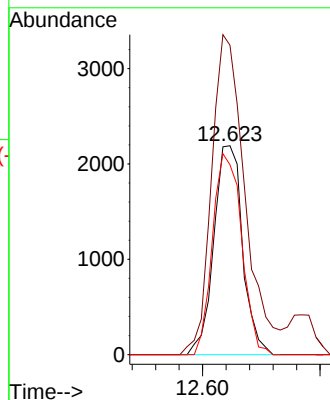
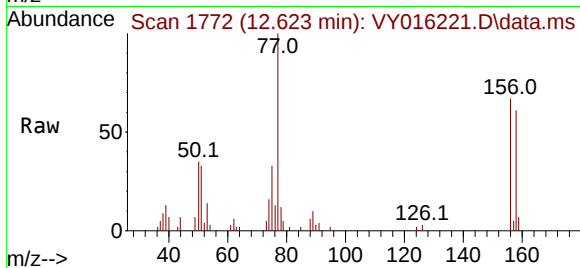
Tgt Ion:	156	Resp:	3718
Ion Ratio	Lower	Upper	
156	100		
77	178.3	92.8	278.6
158	97.2	48.4	145.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#78

n-propylbenzene

Concen: 1.898 ug/l

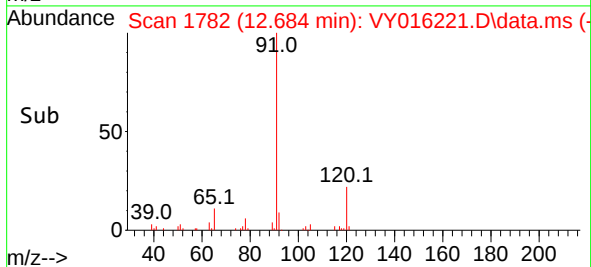
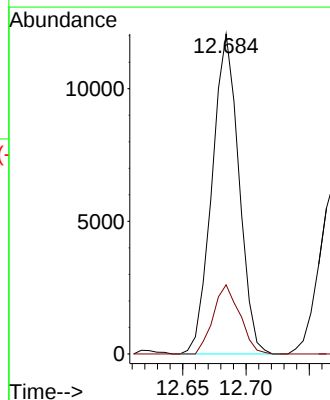
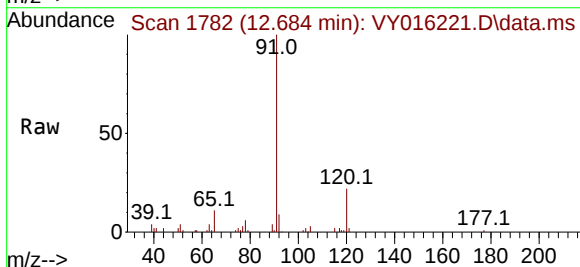
RT: 12.684 min Scan# 1782

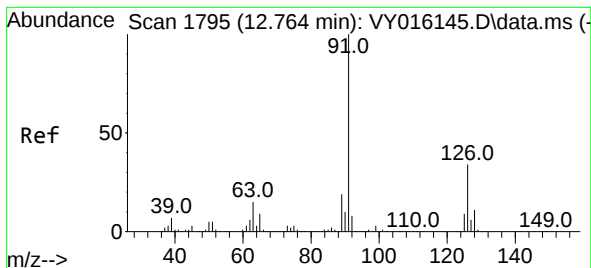
Delta R.T. 0.006 min

Lab File: VY016221.D

Acq: 03 Nov 2023 19:55

Tgt Ion:	91	Resp:	17801
Ion Ratio	Lower	Upper	
91	100		
120	21.3	11.5	34.4





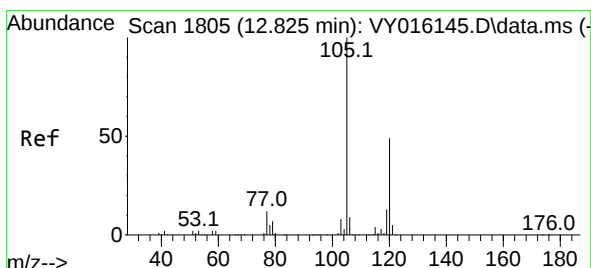
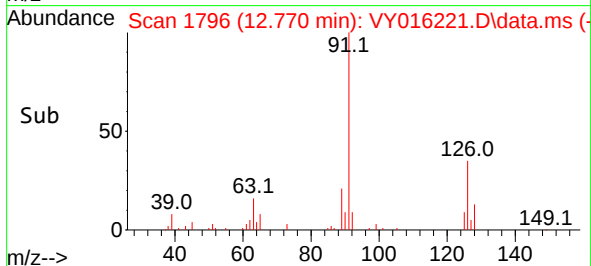
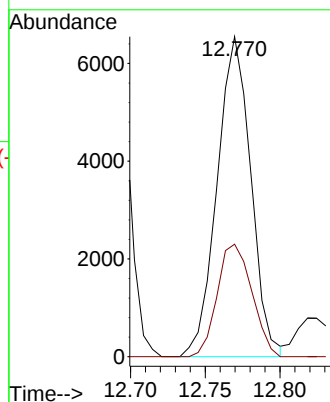
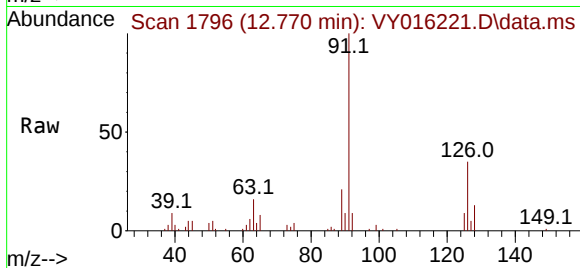
#79
2-Chlorotoluene
Concen: 1.962 ug/l
RT: 12.770 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion: 91 Resp: 10264
Ion Ratio Lower Upper
91 100
126 36.0 17.3 51.7

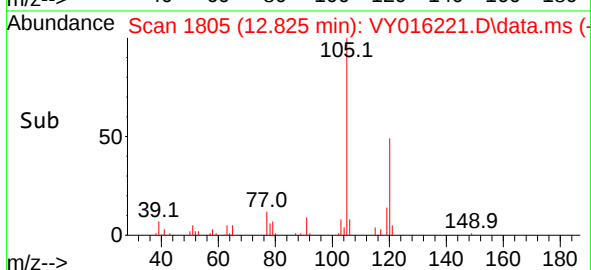
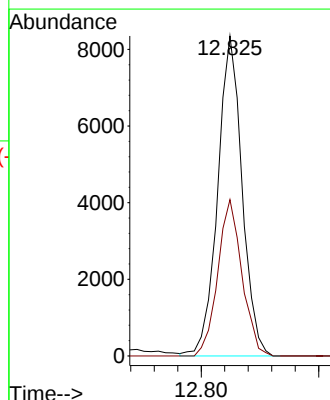
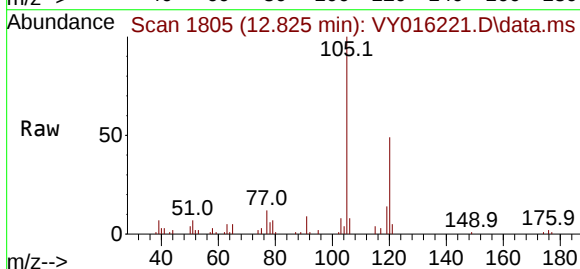
Manual Integrations
APPROVED

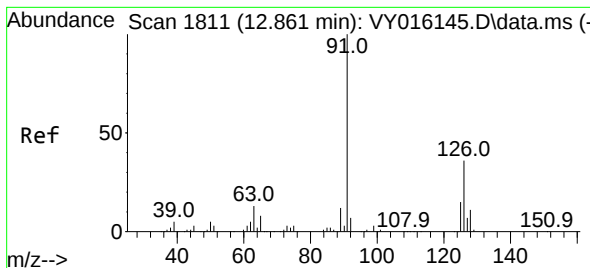
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#80
1,3,5-Trimethylbenzene
Concen: 1.874 ug/l
RT: 12.825 min Scan# 1805
Delta R.T. -0.000 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

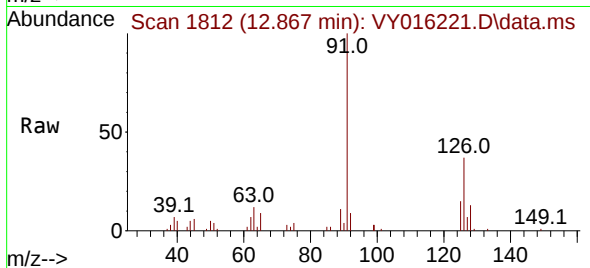
Tgt Ion:105 Resp: 12047
Ion Ratio Lower Upper
105 100
120 48.4 23.9 71.7





#82
4-Chlorotoluene
Concen: 1.970 ug/l
RT: 12.867 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

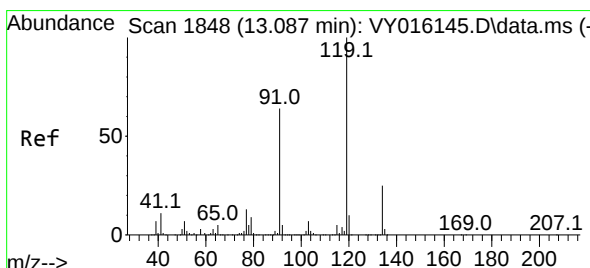
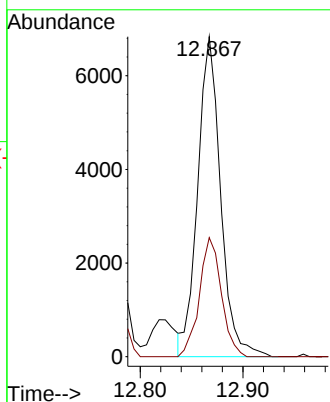
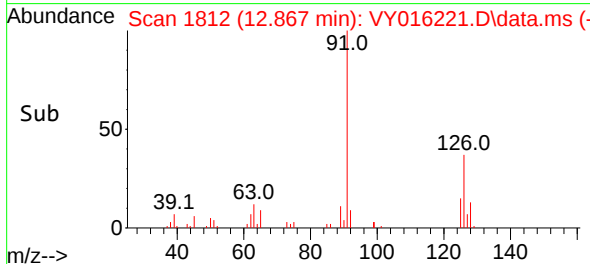
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



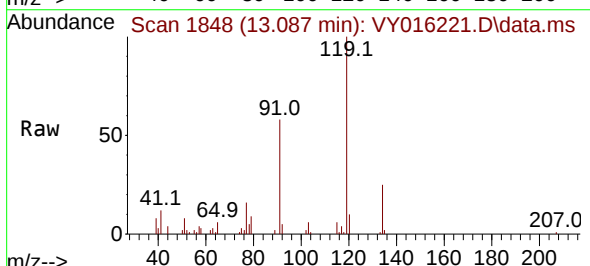
Tgt Ion: 91 Resp: 1058
Ion Ratio Lower Upper
91 100
126 35.8 17.2 51.6

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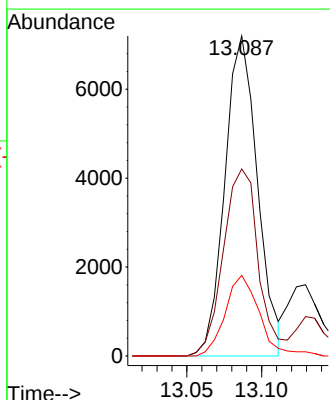
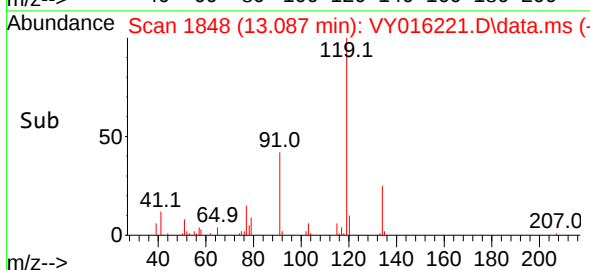
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023

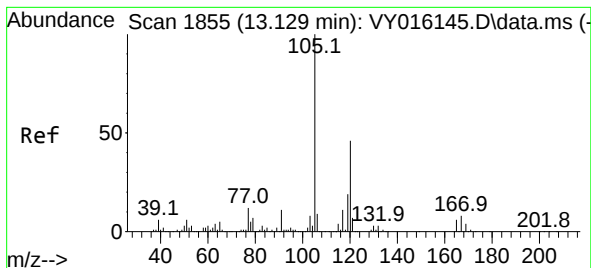


#83
tert-Butylbenzene
Concen: 1.904 ug/l
RT: 13.087 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55



Tgt Ion:119 Resp: 10949
Ion Ratio Lower Upper
119 100
91 63.1 32.9 98.6
134 26.5 13.0 38.9





#84

1,2,4-Trimethylbenzene

Concen: 1.897 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. -0.000 min

Lab File: VY016221.D

Acq: 03 Nov 2023 19:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023

Tgt Ion:105 Resp: 12064

Ion Ratio Lower Upper

105 100

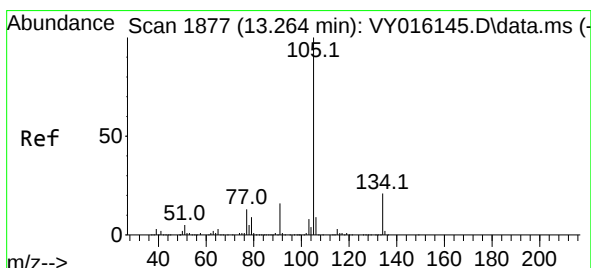
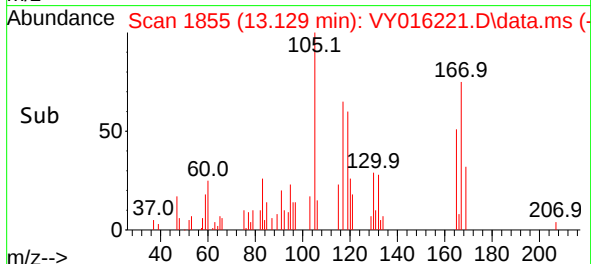
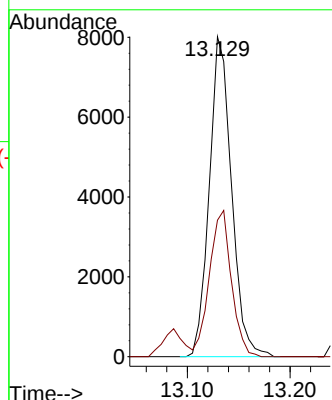
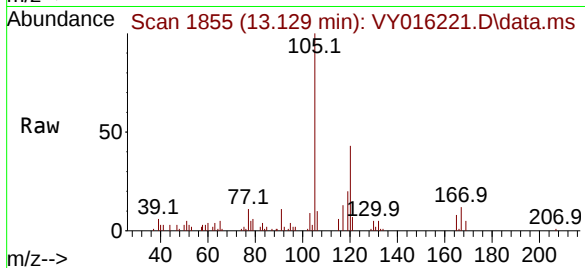
120 45.2 22.2 66.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#85

sec-Butylbenzene

Concen: 1.798 ug/l

RT: 13.263 min Scan# 1877

Delta R.T. -0.000 min

Lab File: VY016221.D

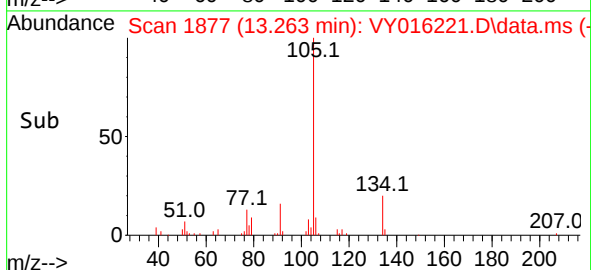
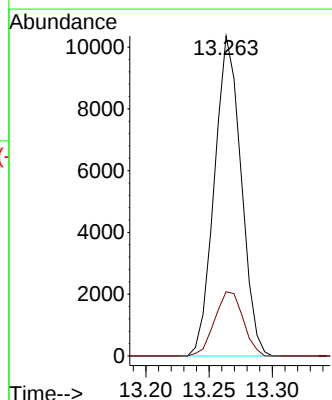
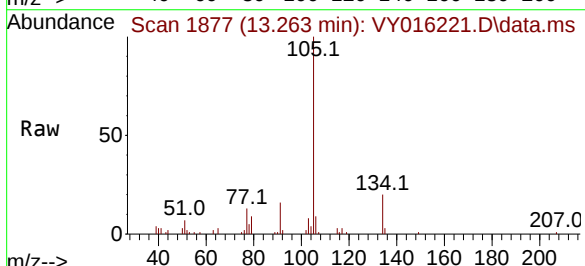
Acq: 03 Nov 2023 19:55

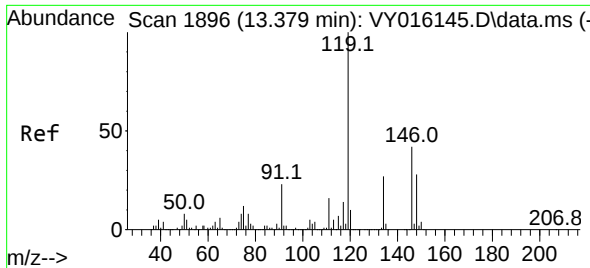
Tgt Ion:105 Resp: 15179

Ion Ratio Lower Upper

105 100

134 21.4 10.2 30.6





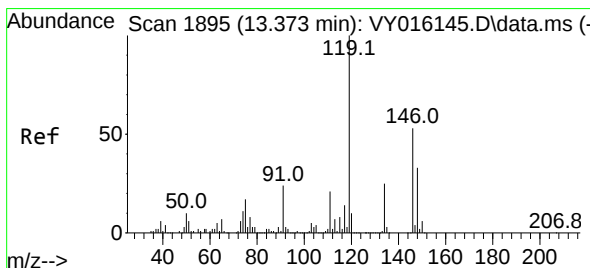
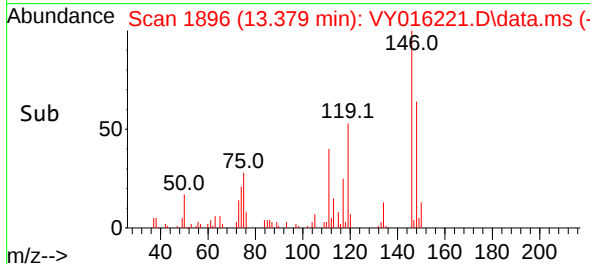
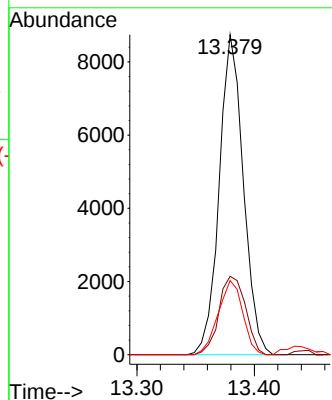
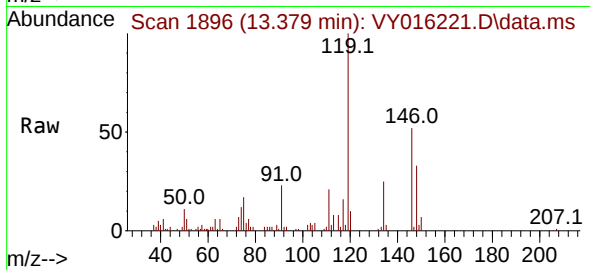
#86
p-Isopropyltoluene
Concen: 1.783 ug/l
RT: 13.379 min Scan# 1896
Delta R.T. -0.000 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT4-2023

Tgt Ion:119 Resp: 12479
Ion Ratio Lower Upper
119 100
134 27.0 13.3 39.8
91 23.6 12.4 37.4

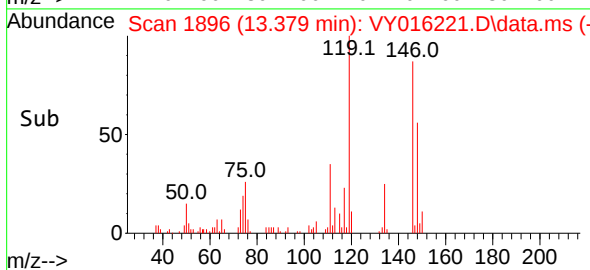
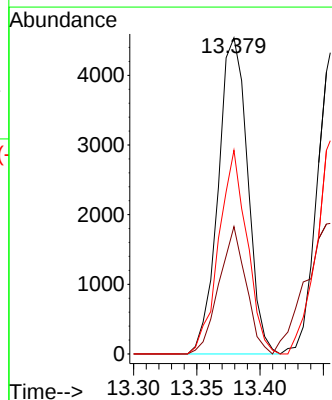
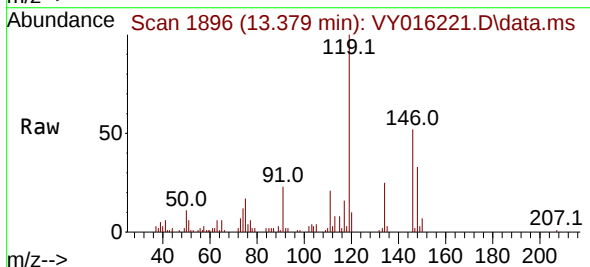
Manual Integrations
APPROVED

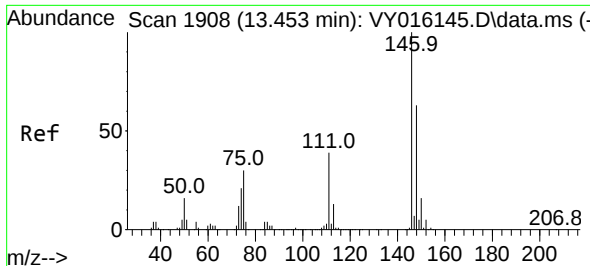
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#87
1,3-Dichlorobenzene
Concen: 2.069 ug/l
RT: 13.379 min Scan# 1896
Delta R.T. 0.006 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Tgt Ion:146 Resp: 7351
Ion Ratio Lower Upper
146 100
111 37.0 19.4 58.2
148 62.0 31.9 95.5





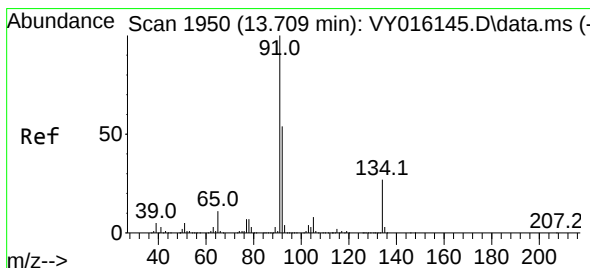
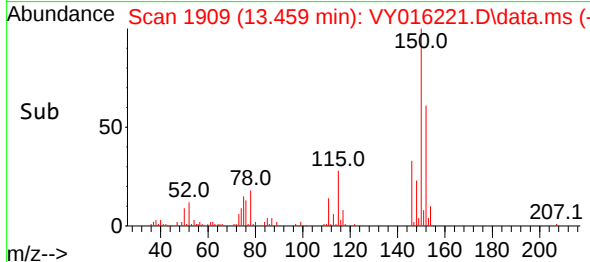
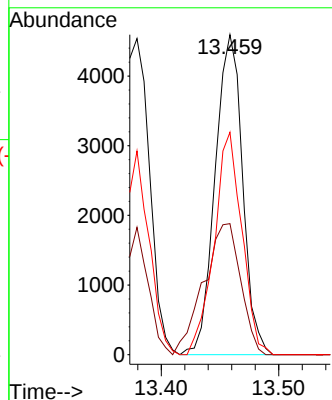
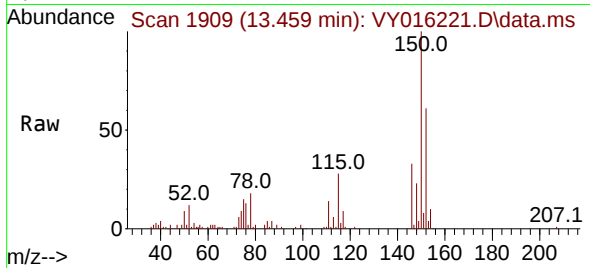
#88
1,4-Dichlorobenzene
Concen: 2.126 ug/l
RT: 13.459 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion:146 Resp: 746
Ion Ratio Lower Upper
146 100
111 55.0 18.9 56.7
148 70.4 32.1 96.5

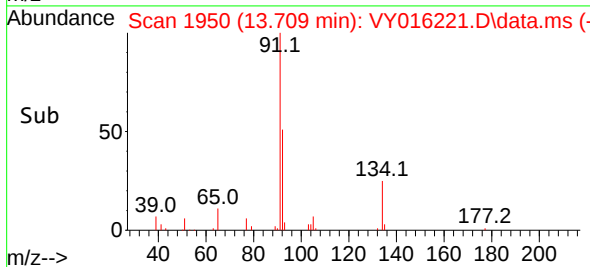
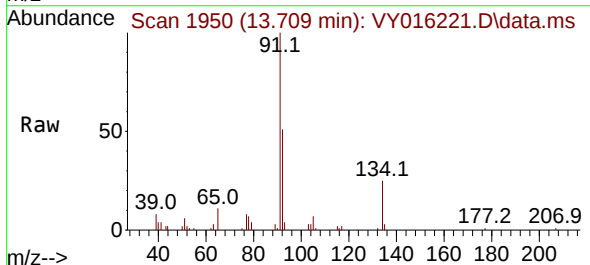
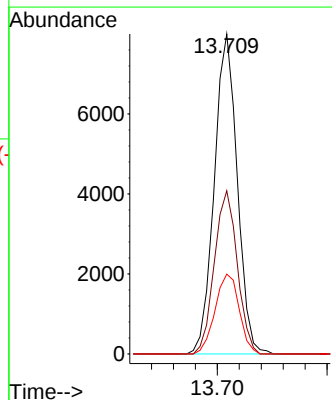
Manual Integrations
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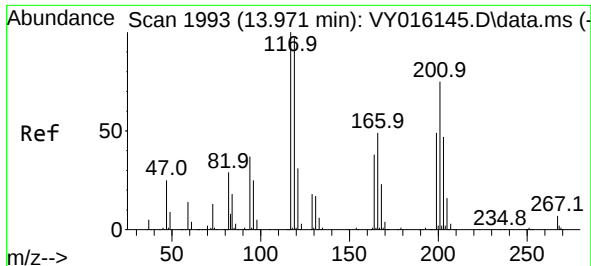
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#89
n-Butylbenzene
Concen: 1.809 ug/l
RT: 13.709 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Tgt Ion: 91 Resp: 11630
Ion Ratio Lower Upper
91 100
92 50.9 25.4 76.0
134 26.2 12.6 37.6





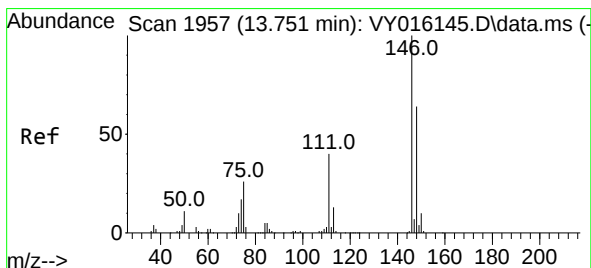
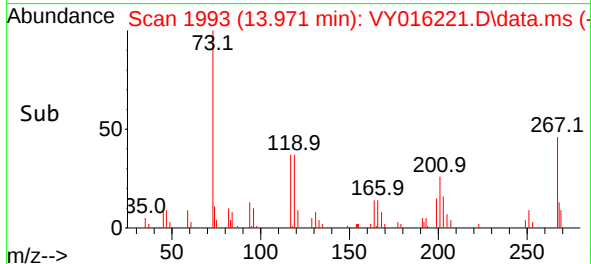
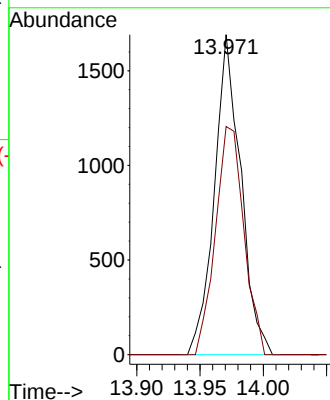
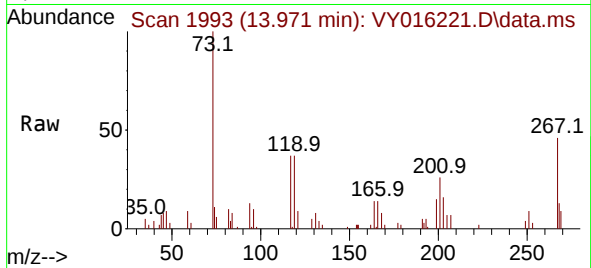
#90
Hexachloroethane
Concen: 2.030 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion:117 Resp: 2448
Ion Ratio Lower Upper
117 100
201 76.9 41.6 124.8

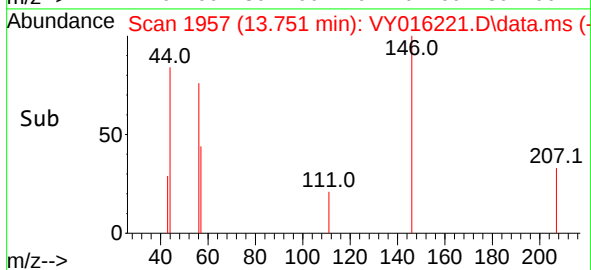
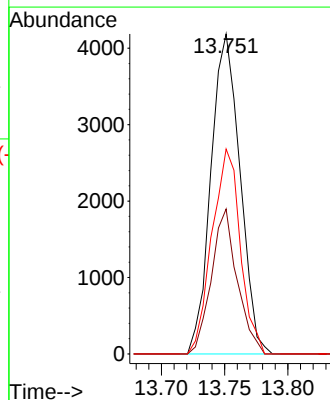
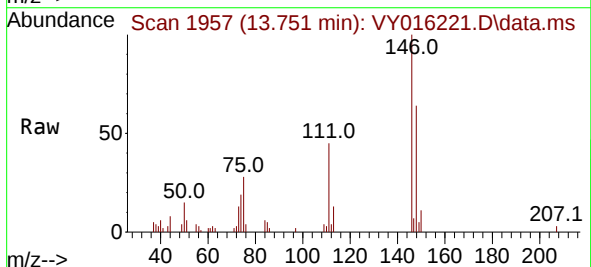
Manual Integrations
APPROVED

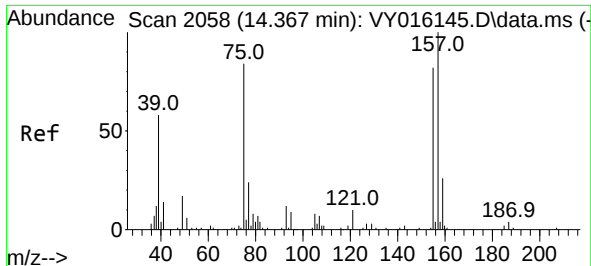
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#91
1,2-Dichlorobenzene
Concen: 2.176 ug/l
RT: 13.751 min Scan# 1957
Delta R.T. -0.000 min
Lab File: VY016221.D
Acq: 03 Nov 2023 19:55

Tgt Ion:146 Resp: 6680
Ion Ratio Lower Upper
146 100
111 40.4 19.7 59.0
148 62.4 32.0 96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.930 ug/l

RT: 14.373 min Scan# 2058

Delta R.T. 0.006 min

Lab File: VY016221.D

Acq: 03 Nov 2023 19:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023

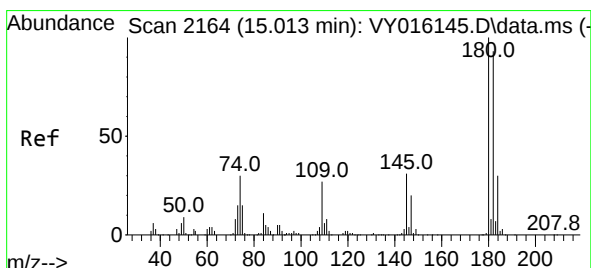
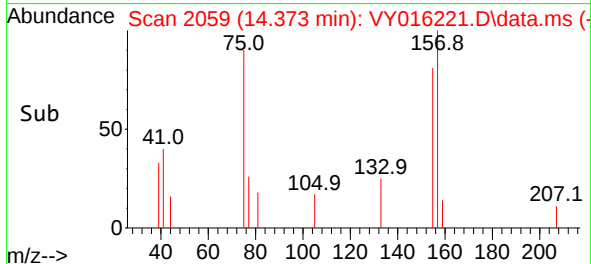
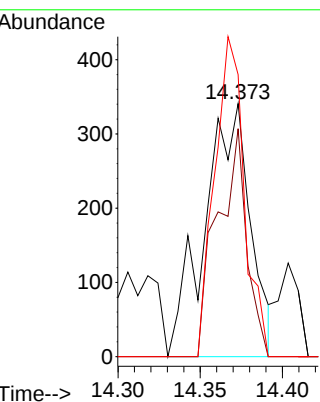
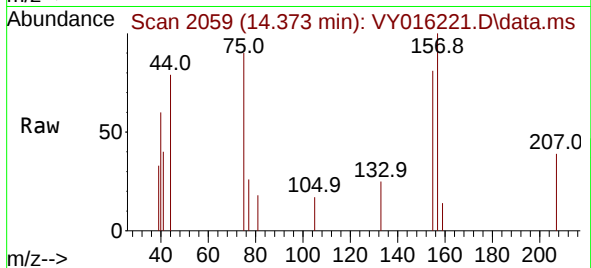
Tgt Ion: 75	Resp: 662
Ion Ratio	Lower Upper
75	100
155	57.3 41.5 124.6
157	81.6 51.8 155.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#93

1,2,4-Trichlorobenzene

Concen: 2.046 ug/l

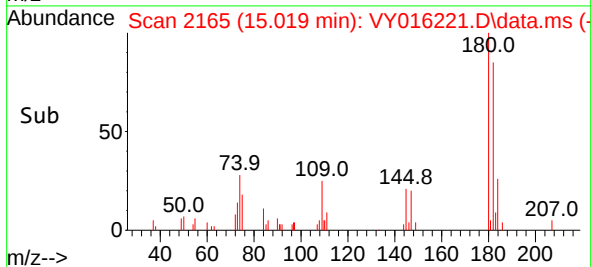
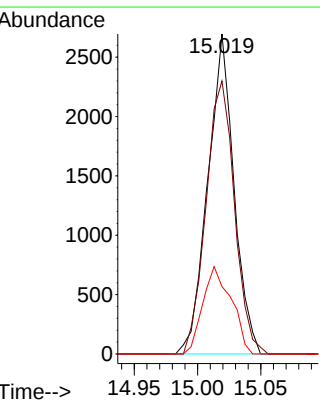
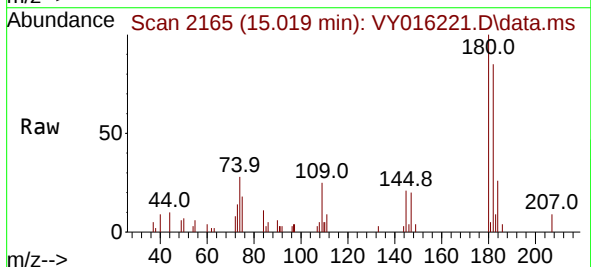
RT: 15.019 min Scan# 2165

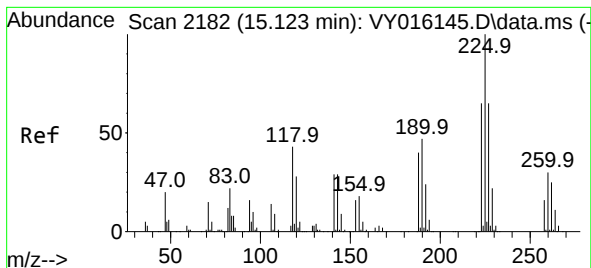
Delta R.T. 0.006 min

Lab File: VY016221.D

Acq: 03 Nov 2023 19:55

Tgt Ion:180	Resp: 3877
Ion Ratio	Lower Upper
180	100
182	92.7 47.0 141.2
145	29.7 14.5 43.5





#94

Hexachlorobutadiene

Concen: 2.207 ug/l

RT: 15.123 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY016221.D

Acq: 03 Nov 2023 19:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023

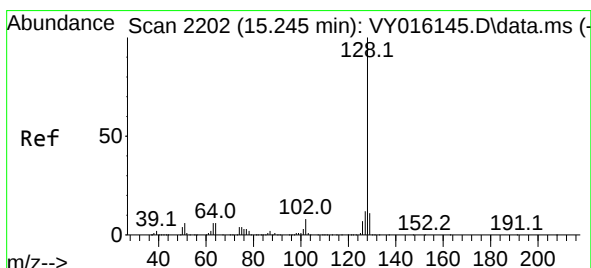
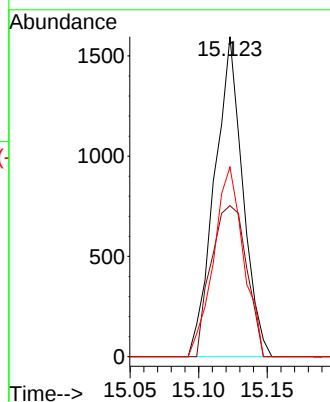
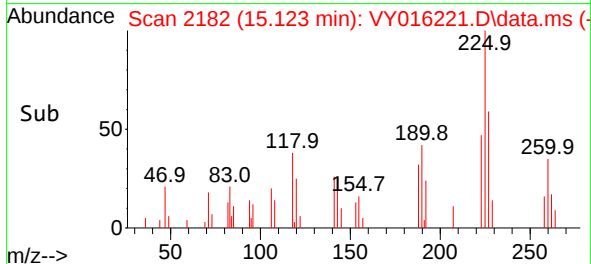
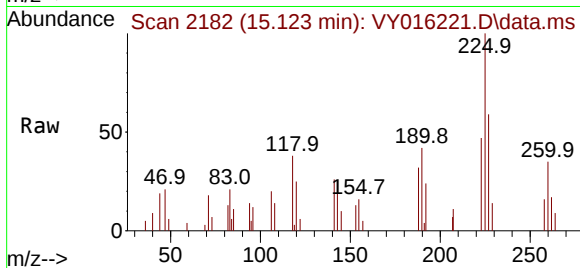
Tgt Ion:	225	Resp:	228
Ion Ratio	Lower	Upper	
225	100		
223	59.4	31.9	95.9
227	62.6	33.0	98.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#95

Naphthalene

Concen: 2.064 ug/l

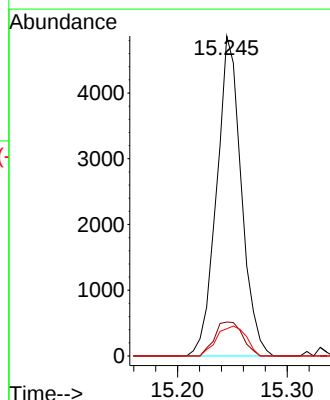
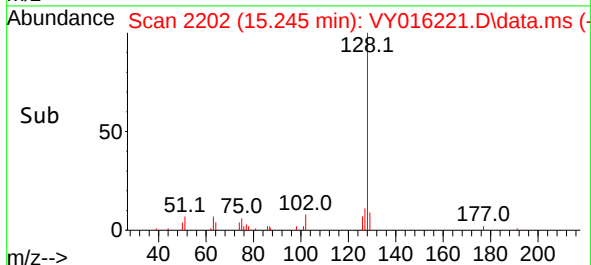
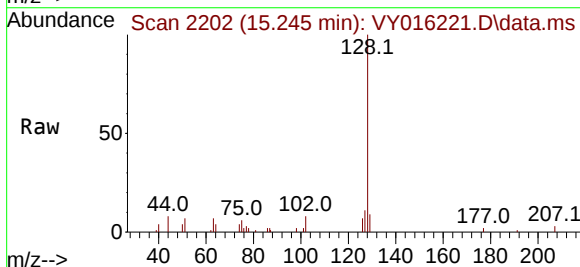
RT: 15.245 min Scan# 2202

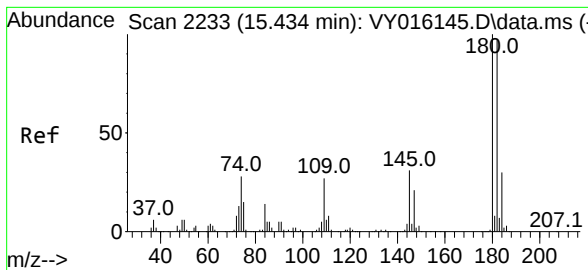
Delta R.T. -0.000 min

Lab File: VY016221.D

Acq: 03 Nov 2023 19:55

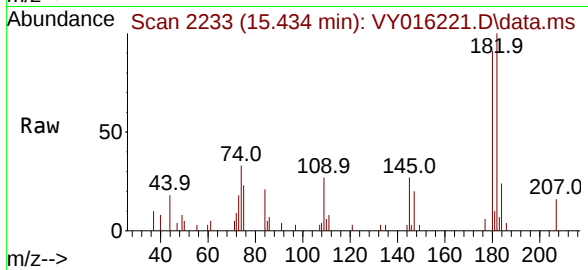
Tgt Ion:	128	Resp:	7598
Ion Ratio	Lower	Upper	
128	100		
127	12.1	10.8	16.2
129	11.1	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.105 ug/l
 RT: 15.434 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY016221.D
 Acq: 03 Nov 2023 19:55

Instrument : MSVOA_Y
 ClientSampleId : MDL-SOIL-03-QT4-2023



Tgt Ion:	180	Resp:	340
Ion Ratio	Lower	Upper	
180	100		
182	99.2	47.3	141.8
145	32.6	15.4	46.2

Manual Integrations
 APPROVED

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

