

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110323\
 Data File : VY016222.D
 Acq On : 03 Nov 2023 20:18
 Operator : SY/MD
 Sample : 04699-03 4.0 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Nov 03 23:08:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	144068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.710	114	241135	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	213123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	100338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	73978	54.876	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.760%			
35) Dibromofluoromethane	7.740	113	70900	49.319	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.640%			
50) Toluene-d8	10.197	98	288127	50.551	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.100%			
62) 4-Bromofluorobenzene	12.495	95	94536	48.505	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	3487	3.794	ug/l	92
3) Chloromethane	2.125	50	4780	3.757	ug/l	94
4) Vinyl Chloride	2.260	62	4983	3.794	ug/l	93
5) Bromomethane	2.662	94	3733	4.212	ug/l	100
6) Chloroethane	2.808	64	3554	3.844	ug/l	99
7) Trichlorofluoromethane	3.137	101	7988	4.029	ug/l	95
8) Diethyl Ether	3.546	74	2824	4.298	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.912	101	4913	3.934	ug/l	97
10) Methyl Iodide	4.113	142	5570	4.010	ug/l	95
11) Tert butyl alcohol	4.979	59	3252	32.287	ug/l #	90
12) 1,1-Dichloroethene	3.893	96	4599	4.034	ug/l	81
13) Acrolein	3.753	56	1526	8.378	ug/l	100
14) Allyl chloride	4.509	41	7131	4.373	ug/l #	96
15) Acrylonitrile	5.186	53	6326	22.530	ug/l	99
16) Acetone	3.967	43	5829	8.668	ug/l #	86
17) Carbon Disulfide	4.223	76	10328	3.629	ug/l	99
18) Methyl Acetate	4.503	43	5443	5.021	ug/l	92
19) Methyl tert-butyl Ether	5.247	73	14318	4.416	ug/l	94
20) Methylene Chloride	4.741	84	12322	6.326	ug/l	87
21) trans-1,2-Dichloroethene	5.247	96	5575	4.198	ug/l	89
22) Diisopropyl ether	6.137	45	16710	4.237	ug/l	94
23) Vinyl Acetate	6.082	43	37776	19.508	ug/l	99
24) 1,1-Dichloroethane	6.045	63	10330	4.376	ug/l #	96
25) 2-Butanone	7.003	43	7898	21.235	ug/l	98
26) 2,2-Dichloropropane	7.003	77	8765	3.928	ug/l	98
27) cis-1,2-Dichloroethene	7.009	96	6738	4.312	ug/l	90
28) Bromochloromethane	7.362	49	3741	4.235	ug/l #	97
29) Tetrahydrofuran	7.368	42	5100	21.875	ug/l	93
30) Chloroform	7.527	83	13628	5.303	ug/l	99
31) Cyclohexane	7.813	56	9696	4.679	ug/l #	64
32) 1,1,1-Trichloroethane	7.722	97	9927	4.212	ug/l	99
36) 1,1-Dichloropropene	7.941	75	8243	3.971	ug/l	96
37) Ethyl Acetate	7.094	43	3784	4.093	ug/l	97
38) Carbon Tetrachloride	7.923	117	8489	4.128	ug/l	97
39) Methylcyclohexane	9.203	83	9008	3.635	ug/l #	87
40) Benzene	8.179	78	24441	4.101	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	1723	3.211	ug/l #	81
42) 1,2-Dichloroethane	8.258	62	7278	4.376	ug/l	92
43) Isopropyl Acetate	8.295	43	7262	3.971	ug/l #	87
44) Trichloroethene	8.960	130	6874	3.942	ug/l	97
45) 1,2-Dichloropropane	9.228	63	5988	4.177	ug/l	98
46) Dibromomethane	9.325	93	3239	3.983	ug/l	97
47) Bromodichloromethane	9.514	83	9880	4.781	ug/l	94
48) Methyl methacrylate	9.307	41	3361	4.041	ug/l	98
49) 1,4-Dioxane	9.319	88	786	Below Cal	#	77
51) 4-Methyl-2-Pentanone	10.081	43	18621	20.406	ug/l	92
52) Toluene	10.258	92	16077	4.163	ug/l	96
53) t-1,3-Dichloropropene	10.478	75	8299	4.023	ug/l	97
54) cis-1,3-Dichloropropene	9.941	75	9885	4.084	ug/l #	85
55) 1,1,2-Trichloroethane	10.660	97	4934	4.313	ug/l #	88
56) Ethyl methacrylate	10.526	69	5686	3.827	ug/l #	85
57) 1,3-Dichloropropane	10.807	76	8117	4.168	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.801	63	14082	19.547	ug/l	93
59) 2-Hexanone	10.849	43	12067	19.297	ug/l	91
60) Dibromochloromethane	11.002	129	5962	4.154	ug/l	98
61) 1,2-Dibromoethane	11.105	107	4569	4.199	ug/l	96
64) Tetrachloroethene	10.734	164	7294	3.848	ug/l	93
65) Chlorobenzene	11.532	112	16713	3.947	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.605	131	6400	4.081	ug/l	96
67) Ethyl Benzene	11.605	91	28457	3.757	ug/l	96
68) m/p-Xylenes	11.715	106	22564	7.710	ug/l	93
69) o-Xylene	12.044	106	10459	3.743	ug/l	97
70) Styrene	12.057	104	16978	3.655	ug/l	96
71) Bromoform	12.221	173	3446	3.961	ug/l #	99
73) Isopropylbenzene	12.343	105	27454	3.648	ug/l	98
74) N-amyl acetate	12.154	43	5725	3.500	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.599	83	5130	4.283	ug/l	100
76) 1,2,3-Trichloropropane	12.648	75	3422m	3.622	ug/l	
77) Bromobenzene	12.624	156	6980	4.096	ug/l	94
78) n-propylbenzene	12.684	91	34110	3.833	ug/l	100
79) 2-Chlorotoluene	12.770	91	18939	3.816	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	21753	3.567	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.398	75	1557	3.573	ug/l	94
82) 4-Chlorotoluene	12.867	91	20245	3.972	ug/l	100
83) tert-Butylbenzene	13.087	119	20199	3.702	ug/l	97
84) 1,2,4-Trimethylbenzene	13.136	105	22610	3.747	ug/l	99
85) sec-Butylbenzene	13.264	105	29491	3.683	ug/l	98
86) p-Isopropyltoluene	13.379	119	23742	3.577	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	13764	4.084	ug/l	98
88) 1,4-Dichlorobenzene	13.459	146	13523	4.059	ug/l	95
89) n-Butylbenzene	13.709	91	22476	3.686	ug/l	97
90) Hexachloroethane	13.977	117	4444	3.885	ug/l	98
91) 1,2-Dichlorobenzene	13.751	146	11945	4.102	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	1025	4.782	ug/l	82
93) 1,2,4-Trichlorobenzene	15.019	180	7107	3.954	ug/l	97
94) Hexachlorobutadiene	15.123	225	4041	4.114	ug/l	97
95) Naphthalene	15.251	128	12494	3.578	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	5804	3.780	ug/l	97

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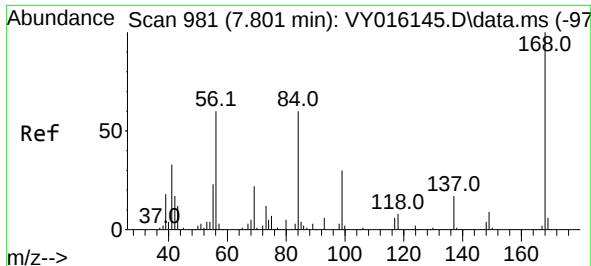
Manual Integrations
APPROVED

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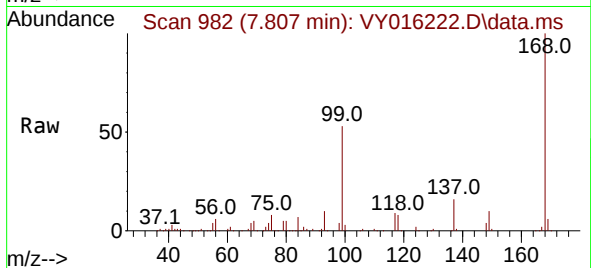
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY016222.D
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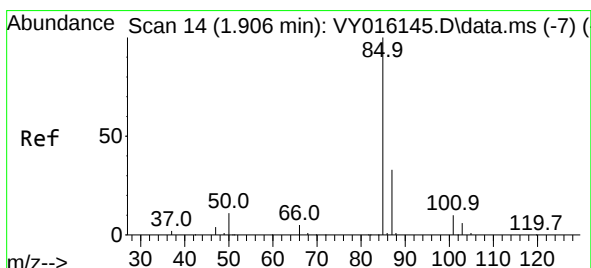
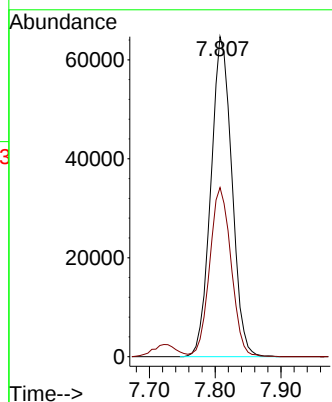
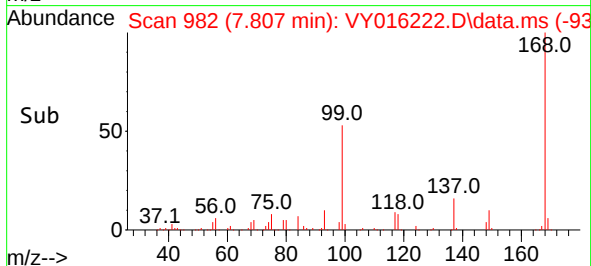
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:168 Resp: 144068
Ion Ratio Lower Upper
168 100
99 52.9 43.4 65.0

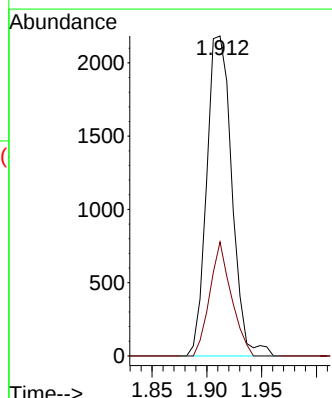
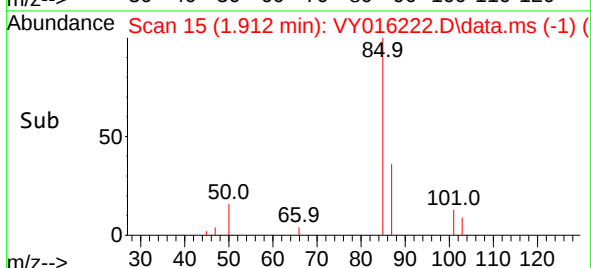
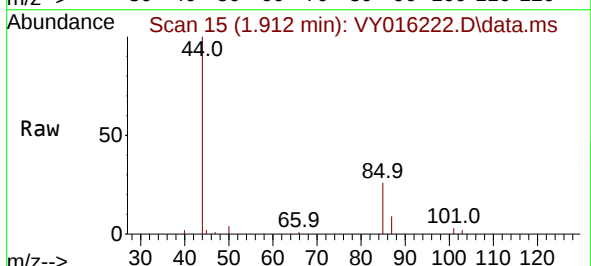
Manual Integrations
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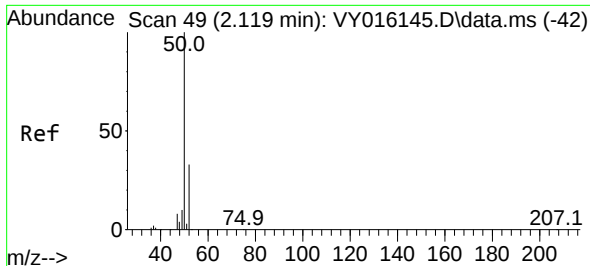
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#2
Dichlorodifluoromethane
Concen: 3.794 ug/l
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

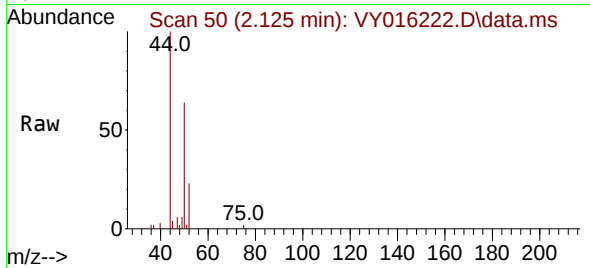
Tgt Ion: 85 Resp: 3487
Ion Ratio Lower Upper
85 100
87 35.6 15.6 46.8





#3
Chloromethane
Concen: 3.757 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

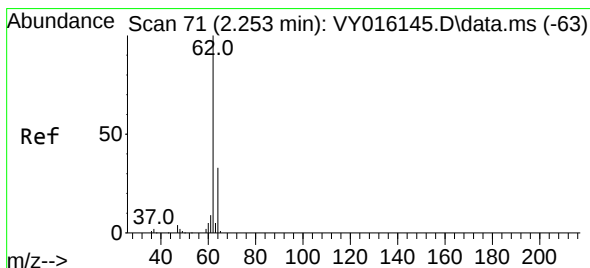
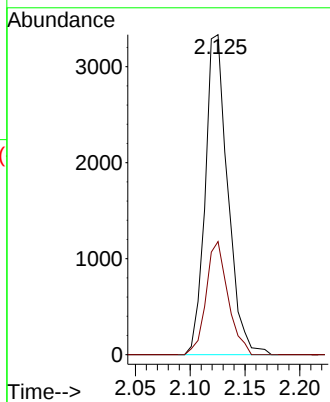
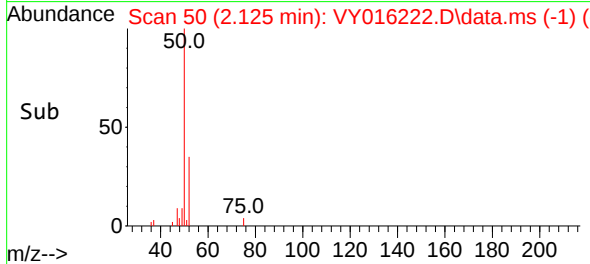
Instrument :
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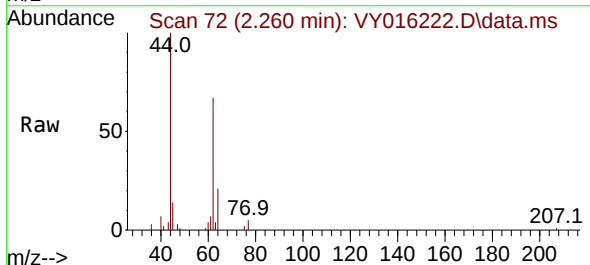
Tgt Ion: 50 Resp: 4780
Ion Ratio Lower Upper
50 100
52 35.4 25.4 38.2

Manual Integrations
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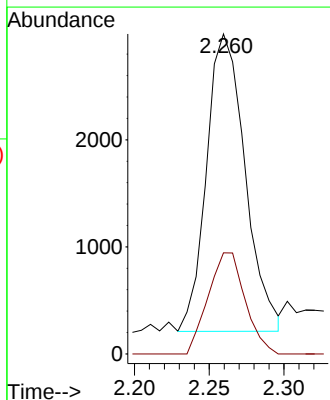
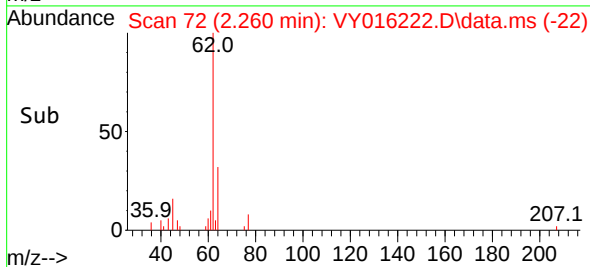
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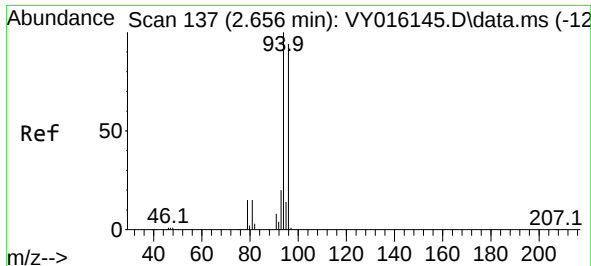


#4
Vinyl Chloride
Concen: 3.794 ug/l
RT: 2.260 min Scan# 72
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18



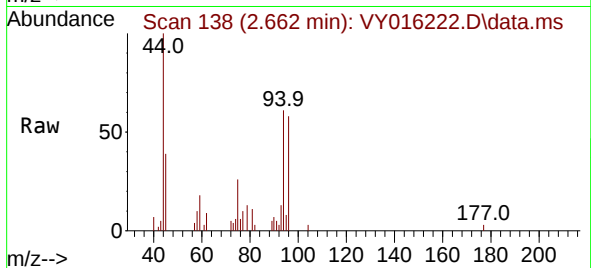
Tgt Ion: 62 Resp: 4983
Ion Ratio Lower Upper
62 100
64 34.0 24.3 36.5





#5
Bromomethane
Concen: 4.212 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

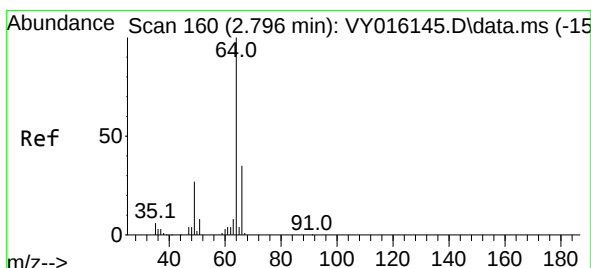
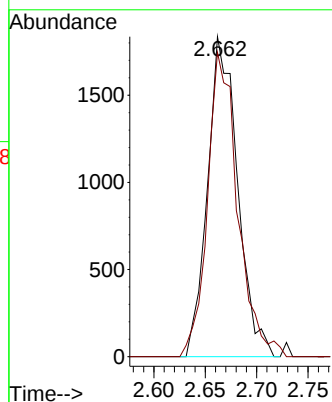
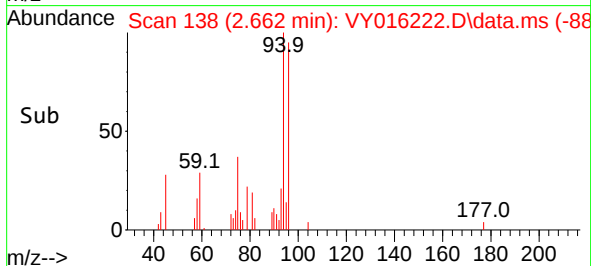
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Tgt Ion: 94 Resp: 373
Ion Ratio Lower Upper
94 100
96 95.1 75.8 113.6

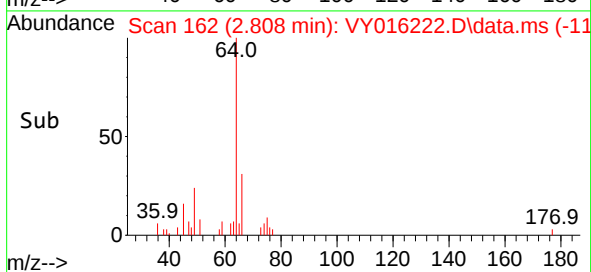
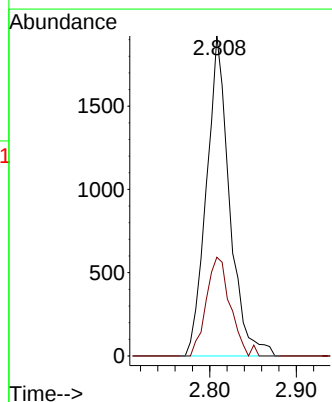
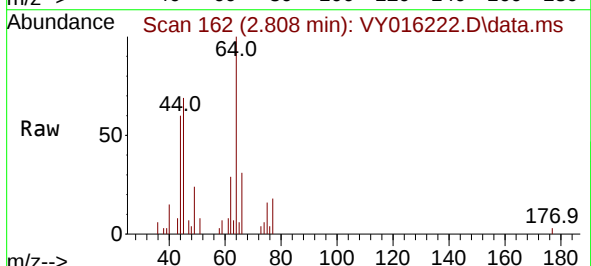
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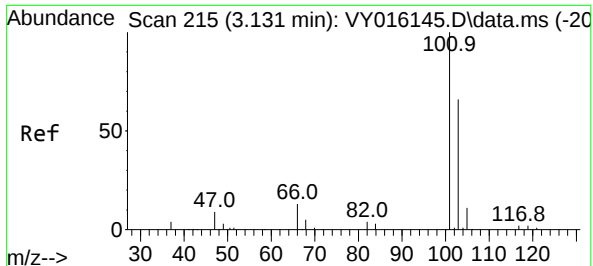
Reviewed By :John Carlone 11/06/2023
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#6
Chloroethane
Concen: 3.844 ug/l
RT: 2.808 min Scan# 162
Delta R.T. 0.012 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

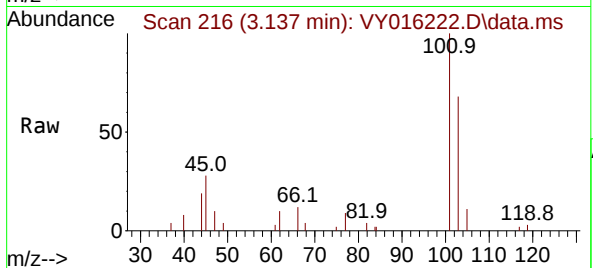
Tgt Ion: 64 Resp: 3554
Ion Ratio Lower Upper
64 100
66 30.9 24.4 36.6





#7
Trichlorofluoromethane
Concen: 4.029 ug/l
RT: 3.137 min Scan# 215
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

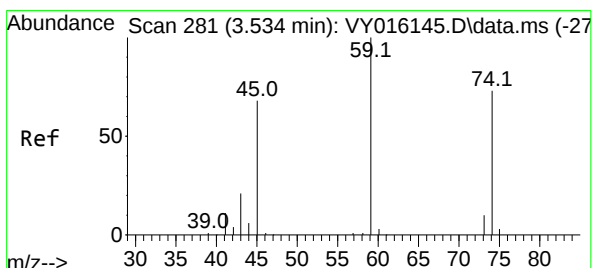
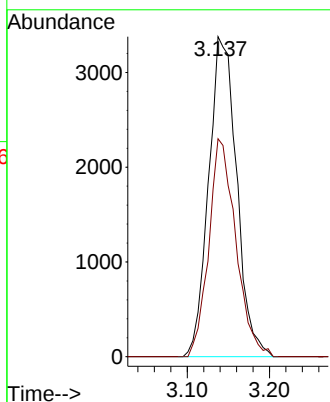
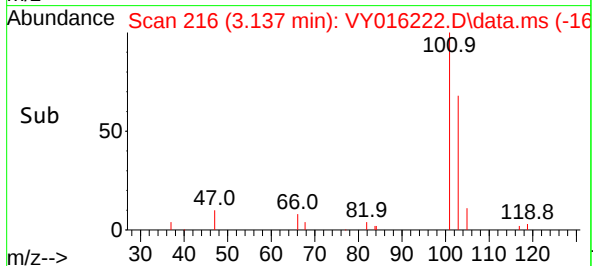
Instrument :
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MDL-SOIL-03-QT4-2023



Tgt Ion:101 Resp: 798
Ion Ratio Lower Upper
101 100
103 68.1 51.4 77.0

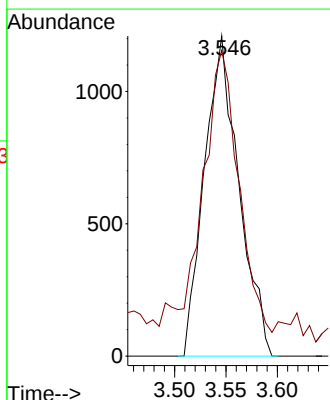
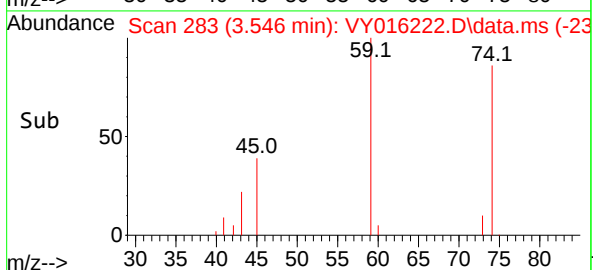
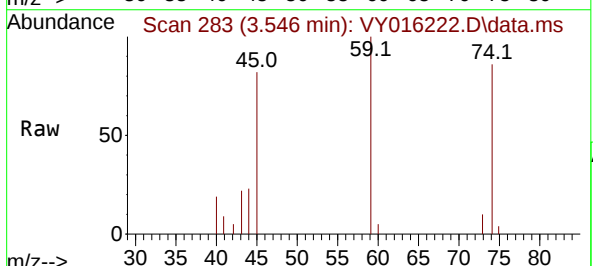
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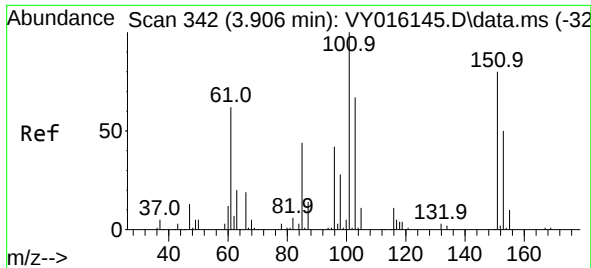
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#8
Diethyl Ether
Concen: 4.298 ug/l
RT: 3.546 min Scan# 283
Delta R.T. 0.012 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

Tgt Ion: 74 Resp: 2824
Ion Ratio Lower Upper
74 100
45 91.9 51.5 154.5





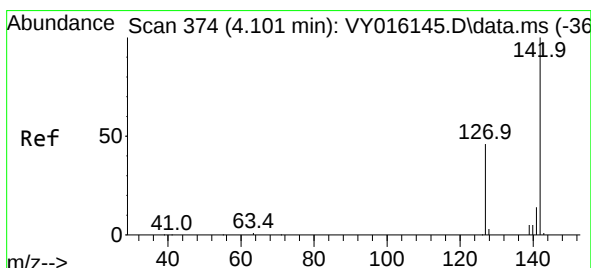
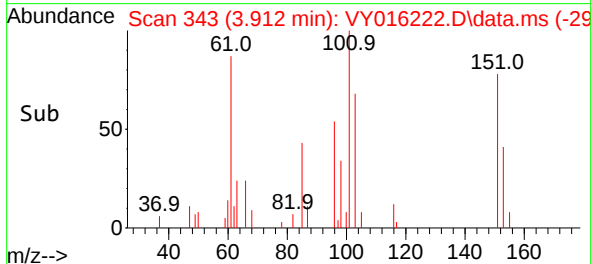
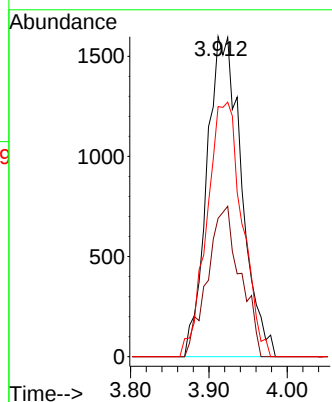
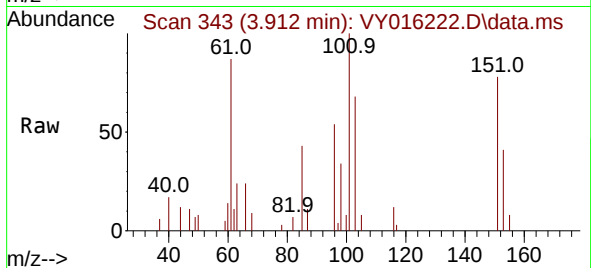
#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.934 ug/l
RT: 3.912 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

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

Tgt Ion:101 Resp: 491
Ion Ratio Lower Upper
101 100
85 44.6 36.6 55.0
151 80.7 67.0 100.6

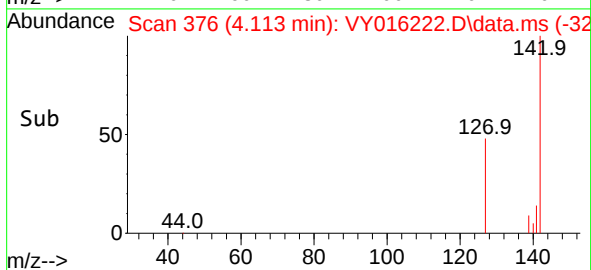
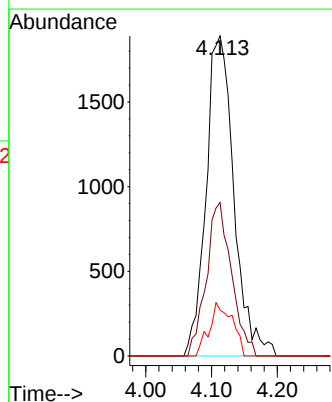
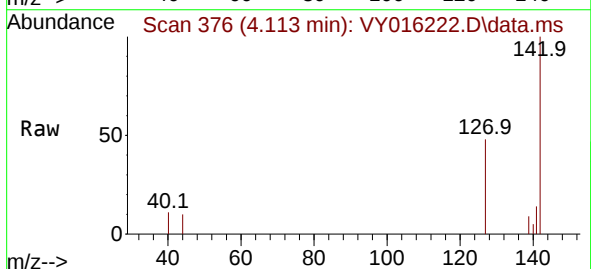
Manual Integrations
APPROVED

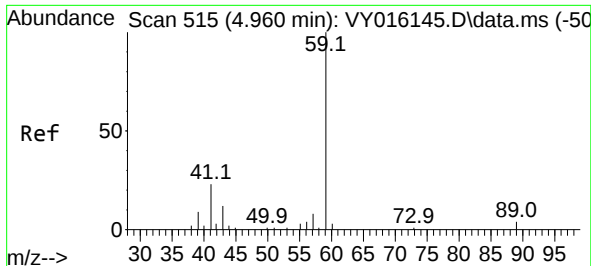
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#10
Methyl Iodide
Concen: 4.010 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.012 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

Tgt Ion:142 Resp: 5570
Ion Ratio Lower Upper
142 100
127 43.4 37.6 56.4
141 13.8 11.8 17.8





#11

Tert butyl alcohol

Concen: 32.287 ug/l

RT: 4.979 min Scan# 515

Delta R.T. 0.018 min

Lab File: VY016222.D

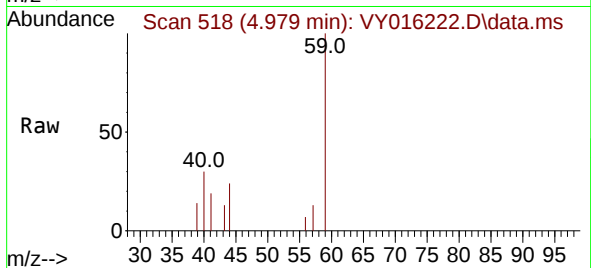
Acq: 03 Nov 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023



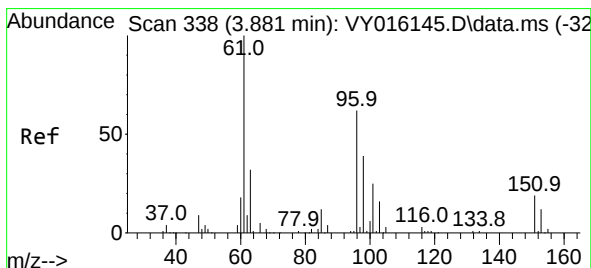
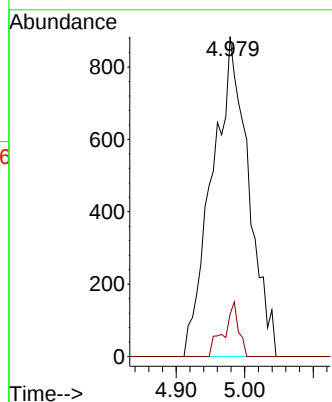
Tgt Ion:	59	Resp:	325
Ion Ratio	100	Lower	Upper
59	100		
57	6.9	3.0	4.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#12

1,1-Dichloroethene

Concen: 4.034 ug/l

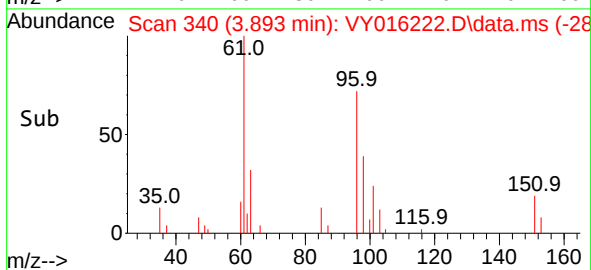
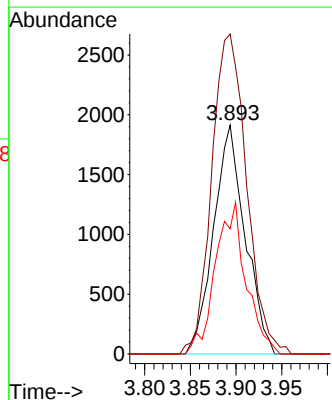
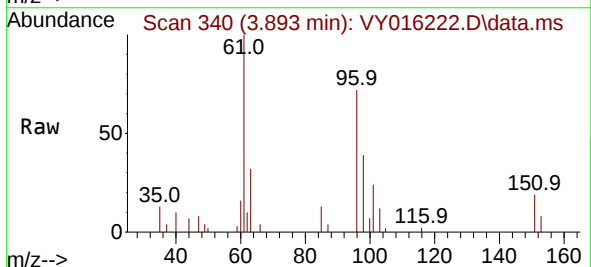
RT: 3.893 min Scan# 340

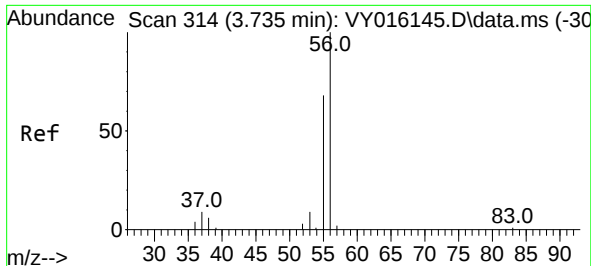
Delta R.T. 0.012 min

Lab File: VY016222.D

Acq: 03 Nov 2023 20:18

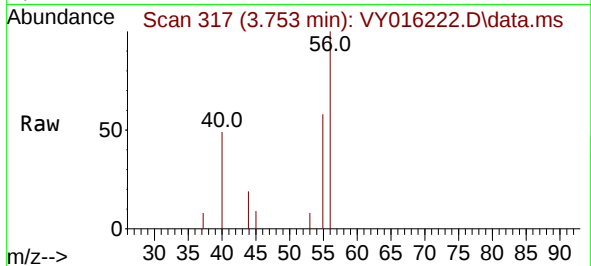
Tgt Ion:	96	Resp:	4599
Ion Ratio	100	Lower	Upper
96	100		
61	139.8	136.4	204.6
98	54.6	49.4	74.2





#13
Acrolein
Concen: 8.378 ug/l
RT: 3.753 min Scan# 314
Delta R.T. 0.018 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

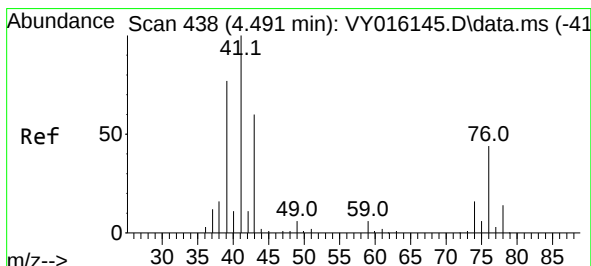
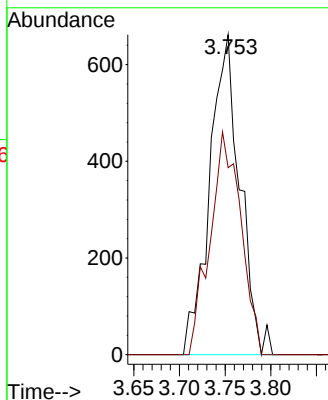
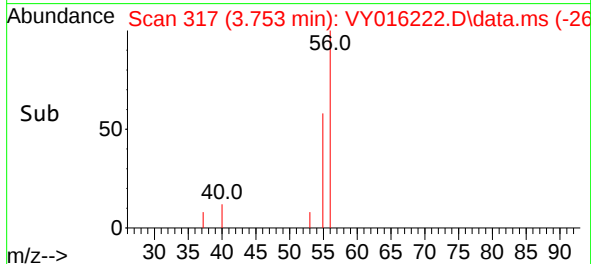
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion: 56 Resp: 1520
Ion Ratio Lower Upper
56 100
55 71.0 57.0 85.4

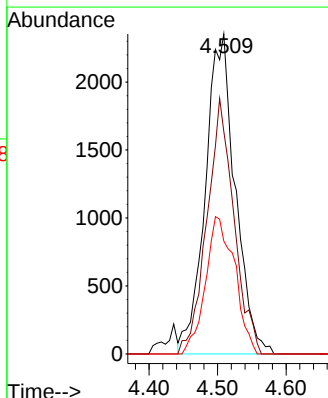
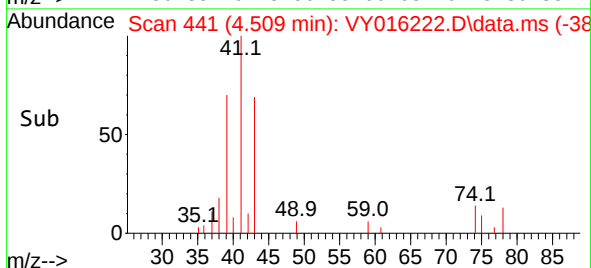
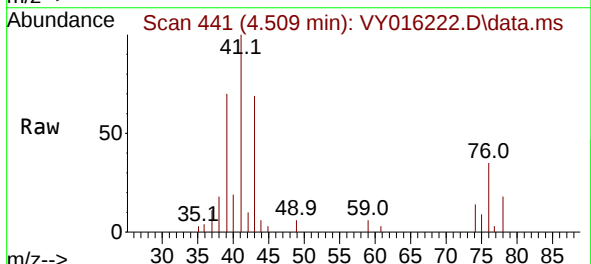
Manual Integrations
APPROVED

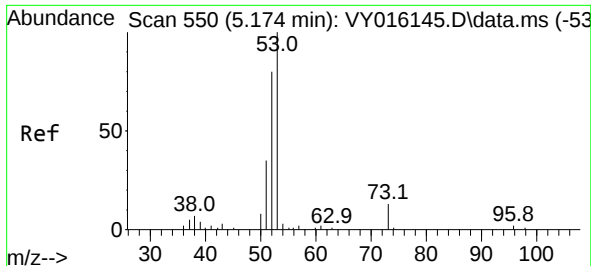
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#14
Allyl chloride
Concen: 4.373 ug/l
RT: 4.509 min Scan# 441
Delta R.T. 0.018 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

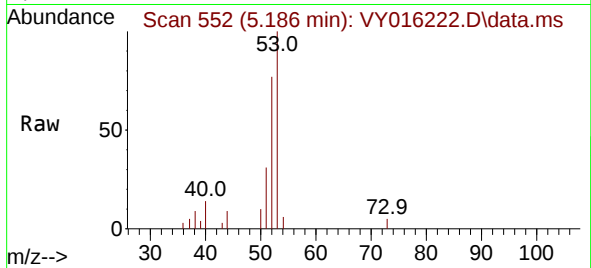
Tgt Ion: 41 Resp: 7131
Ion Ratio Lower Upper
41 100
39 72.2 58.0 87.0
76 41.8 27.4 41.2#





#15
Acrylonitrile
Concen: 22.530 ug/l
RT: 5.186 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

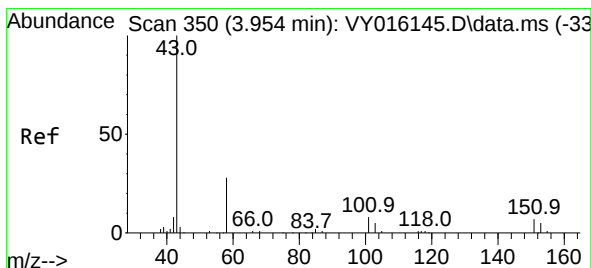
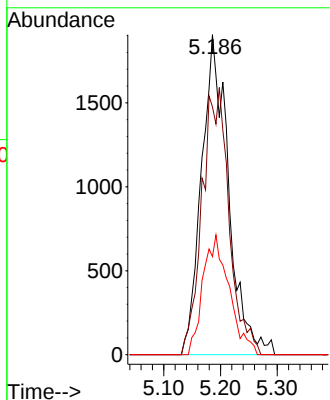
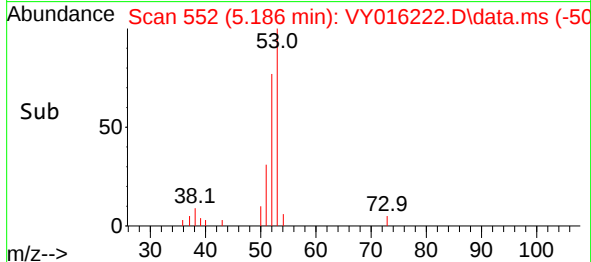
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



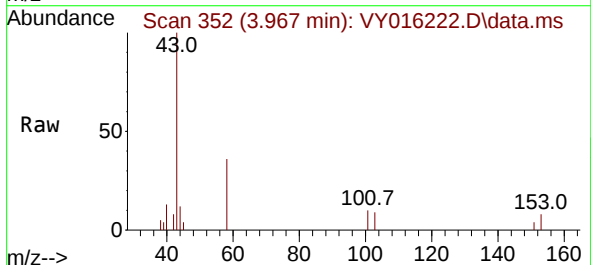
Tgt Ion: 53 Resp: 6320
Ion Ratio Lower Upper
53 100
52 83.0 66.9 100.3
51 36.0 29.8 44.6

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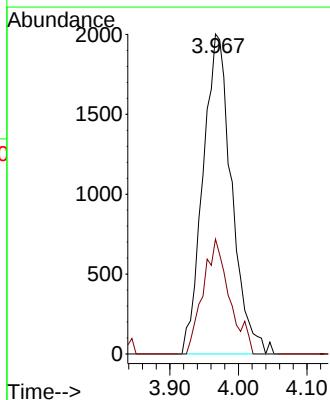
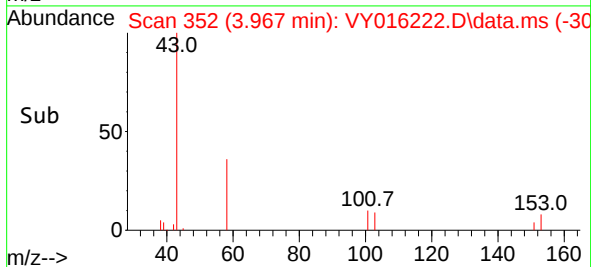
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023

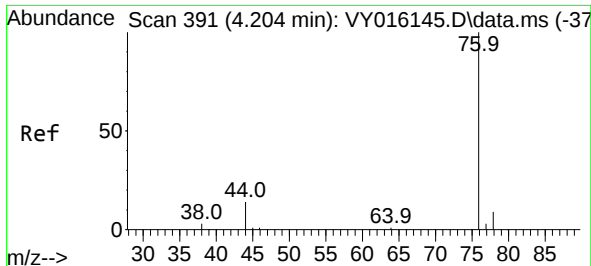


#16
Acetone
Concen: 8.668 ug/l
RT: 3.967 min Scan# 352
Delta R.T. 0.013 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18



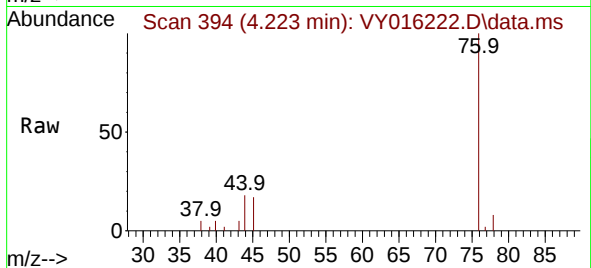
Tgt Ion: 43 Resp: 5829
Ion Ratio Lower Upper
43 100
58 35.9 22.7 34.1#





#17
Carbon Disulfide
Concen: 3.629 ug/l
RT: 4.223 min Scan# 391
Delta R.T. 0.019 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

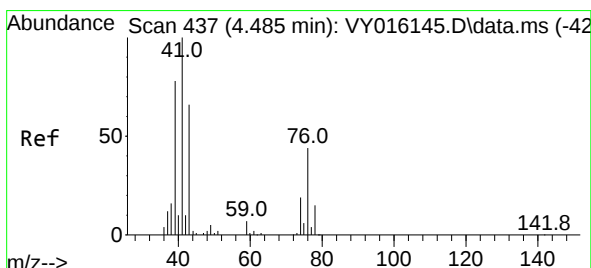
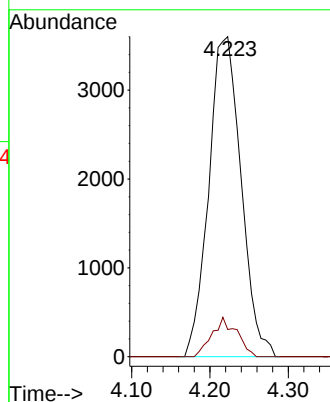
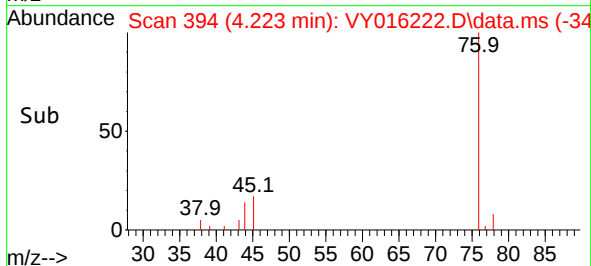
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion: 76 Resp: 10328
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.4

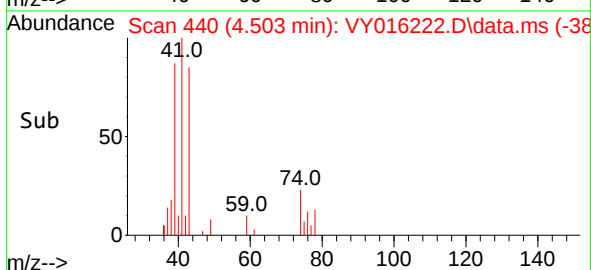
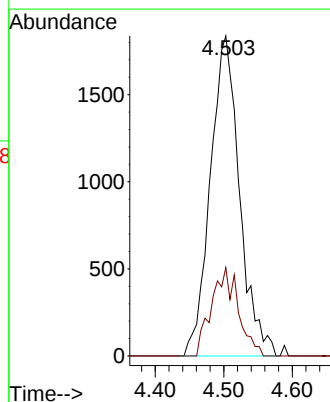
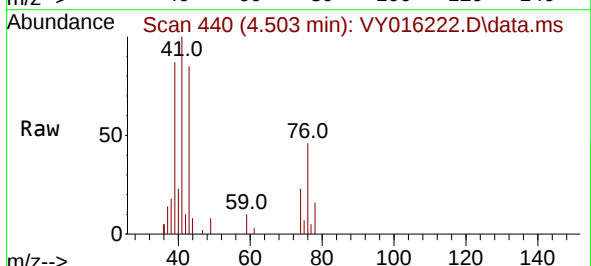
Manual Integrations
APPROVED

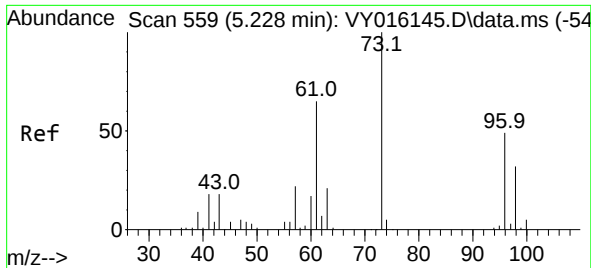
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#18
Methyl Acetate
Concen: 5.021 ug/l
RT: 4.503 min Scan# 440
Delta R.T. 0.018 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

Tgt Ion: 43 Resp: 5443
Ion Ratio Lower Upper
43 100
74 25.4 17.4 26.0





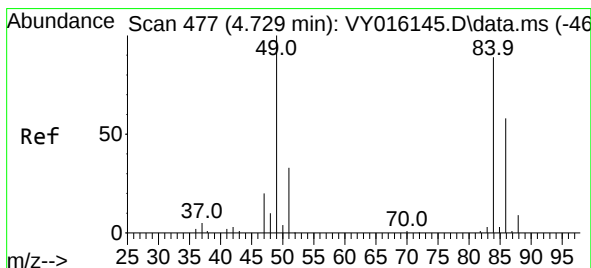
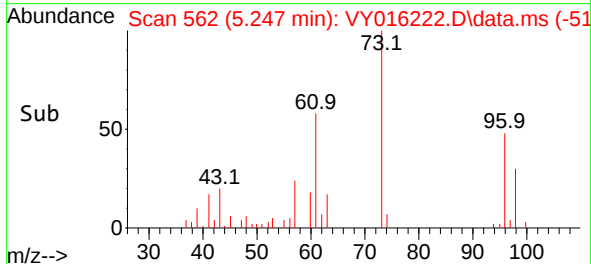
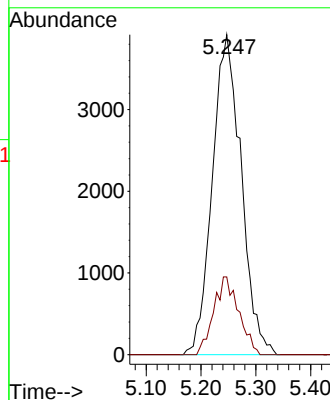
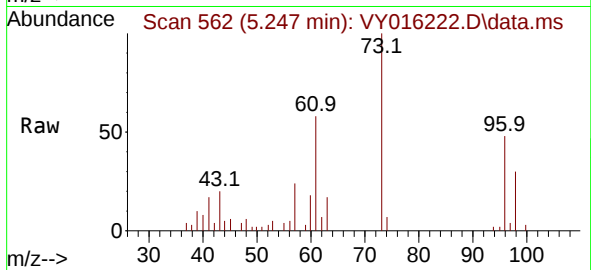
#19
Methyl tert-butyl Ether
Concen: 4.416 ug/l
RT: 5.247 min Scan# 50
Delta R.T. 0.018 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

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

Tgt Ion: 73 Resp: 14318
Ion Ratio Lower Upper
73 100
57 24.3 17.3 25.9

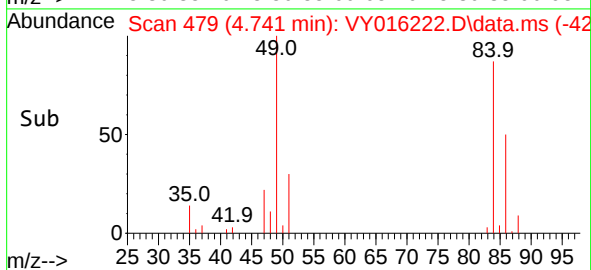
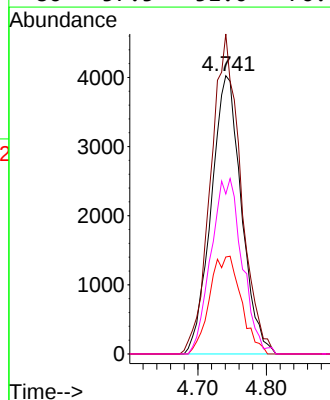
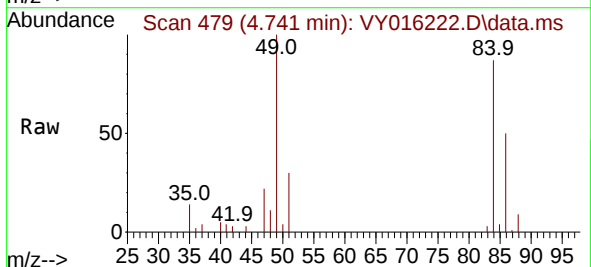
Manual Integrations
APPROVED

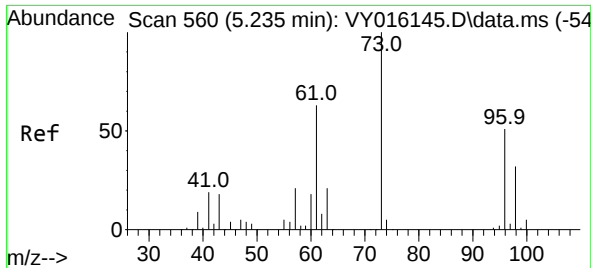
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#20
Methylene Chloride
Concen: 6.326 ug/l
RT: 4.741 min Scan# 479
Delta R.T. 0.012 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

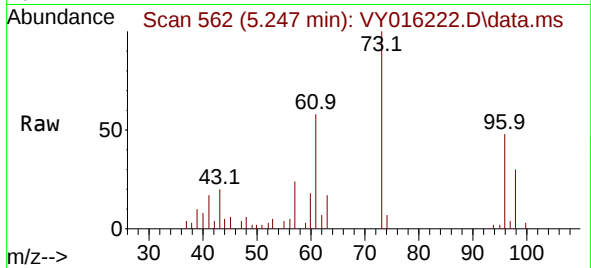
Tgt Ion: 84 Resp: 12322
Ion Ratio Lower Upper
84 100
49 115.0 106.9 160.3
51 34.9 33.2 49.8
86 57.5 51.0 76.6





#21
trans-1,2-Dichloroethene
Concen: 4.198 ug/l
RT: 5.247 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

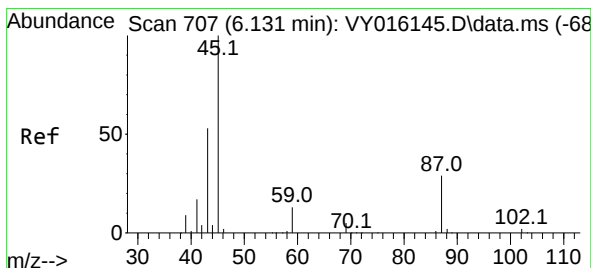
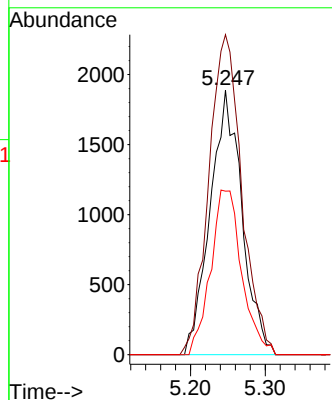
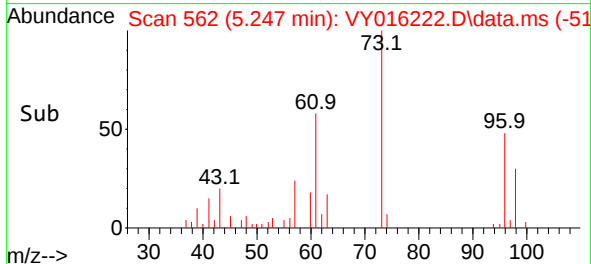
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



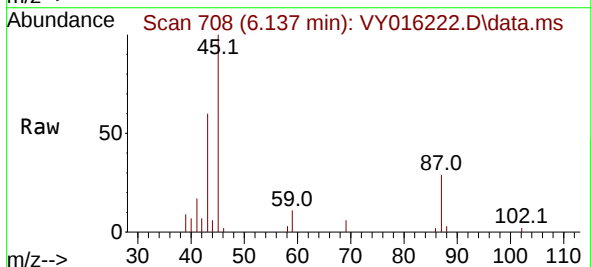
Tgt Ion: 96 Resp: 557
Ion Ratio Lower Upper
96 100
61 121.0 110.2 165.4
98 61.8 51.8 77.6

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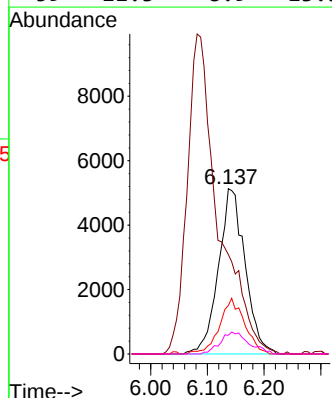
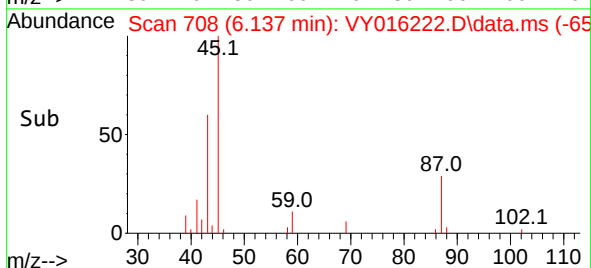
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023

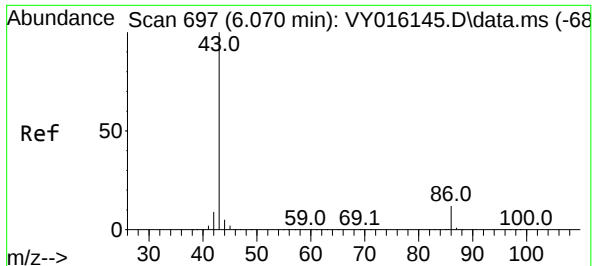


#22
Diisopropyl ether
Concen: 4.237 ug/l
RT: 6.137 min Scan# 708
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18



Tgt Ion: 45 Resp: 16710
Ion Ratio Lower Upper
45 100
43 60.1 52.2 78.4
87 29.4 21.0 31.6
59 11.3 8.9 13.3





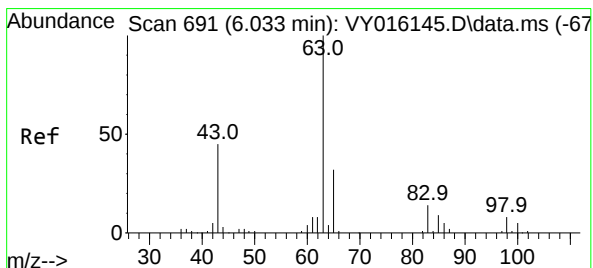
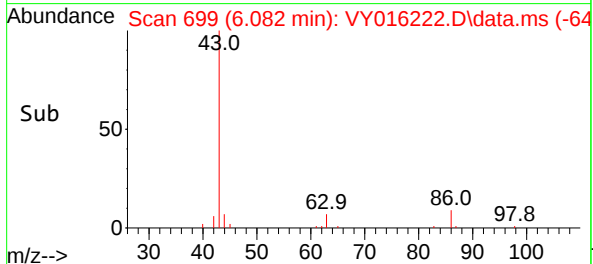
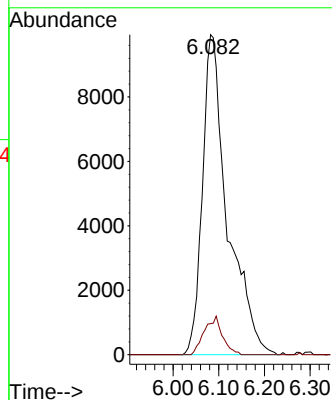
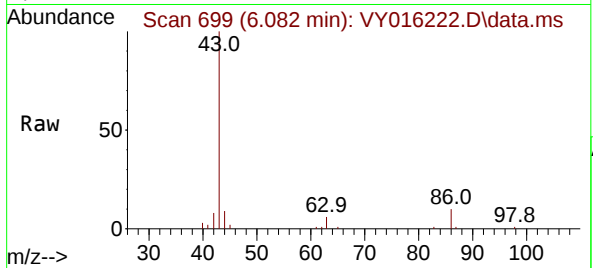
#23
 Vinyl Acetate
 Concen: 19.508 ug/l
 RT: 6.082 min Scan# 699
 Delta R.T. 0.012 min
 Lab File: VY016222.D
 Acq: 03 Nov 2023 20:18

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

Tgt Ion: 43 Resp: 37770
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.5 11.3

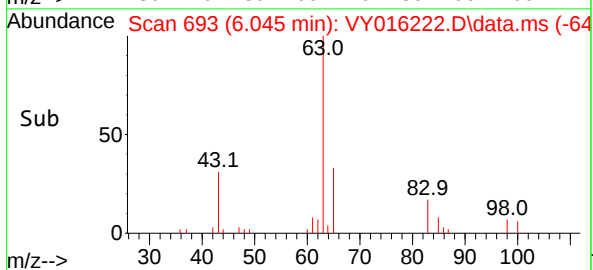
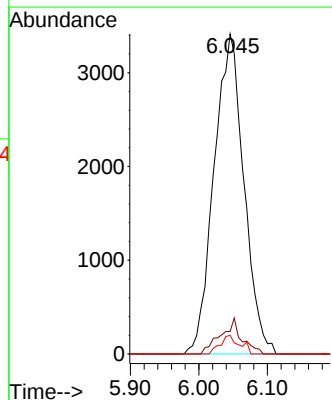
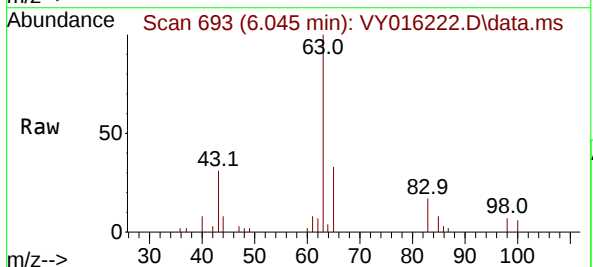
Manual Integrations
 APPROVED

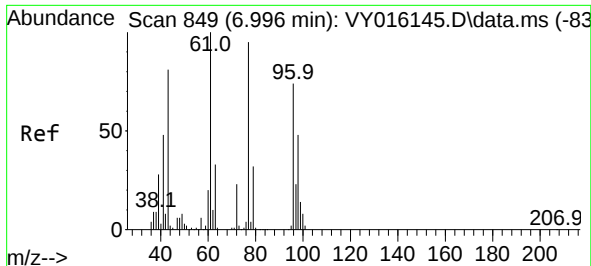
Reviewed By :John Carlone 11/06/2023
 Supervised By :Mahesh Dadoda 11/06/2023



#24
 1,1-Dichloroethane
 Concen: 4.376 ug/l
 RT: 6.045 min Scan# 693
 Delta R.T. 0.012 min
 Lab File: VY016222.D
 Acq: 03 Nov 2023 20:18

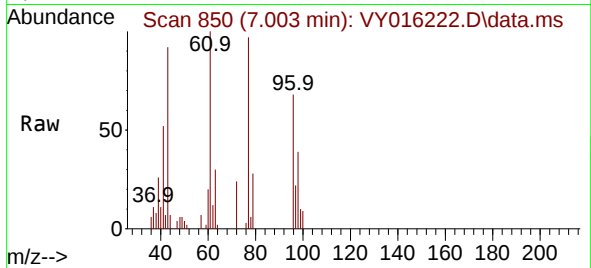
Tgt Ion: 63 Resp: 10330
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.1 9.4
 100 5.8 1.8 5.5#





#25
2-Butanone
Concen: 21.235 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

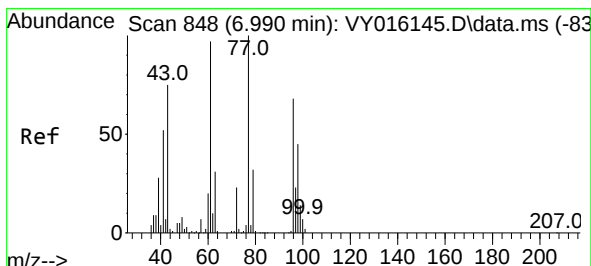
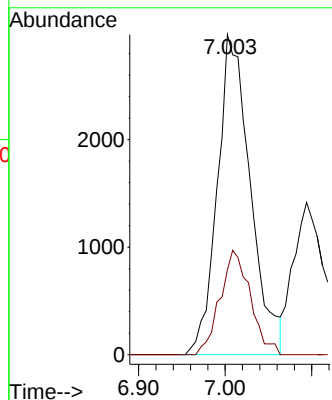
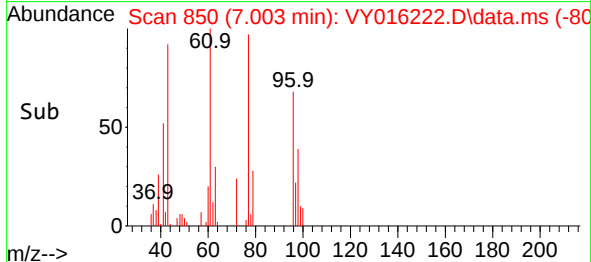
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



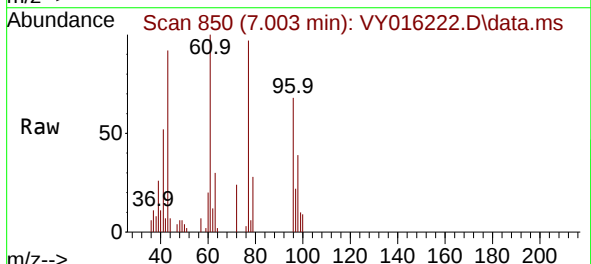
Tgt Ion: 43 Resp: 7898
Ion Ratio Lower Upper
43 100
72 26.5 20.5 30.7

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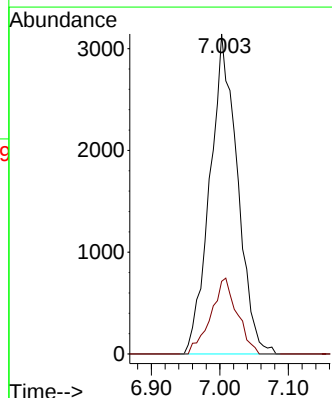
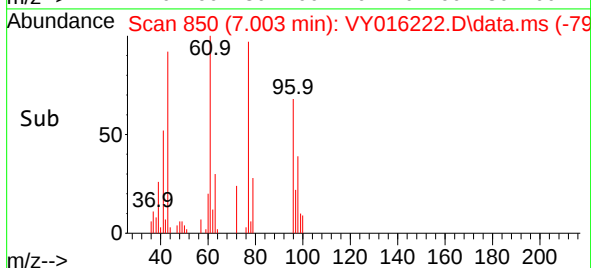
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023

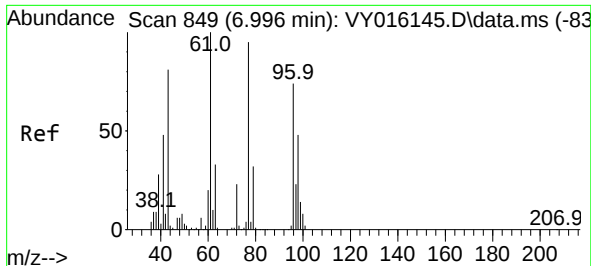


#26
2,2-Dichloropropane
Concen: 3.928 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18



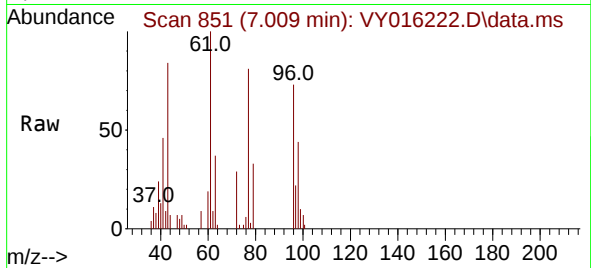
Tgt Ion: 77 Resp: 8765
Ion Ratio Lower Upper
77 100
97 22.7 10.9 32.9





#27
 cis-1,2-Dichloroethene
 Concen: 4.312 ug/l
 RT: 7.009 min Scan# 851
 Delta R.T. 0.012 min
 Lab File: VY016222.D
 Acq: 03 Nov 2023 20:18

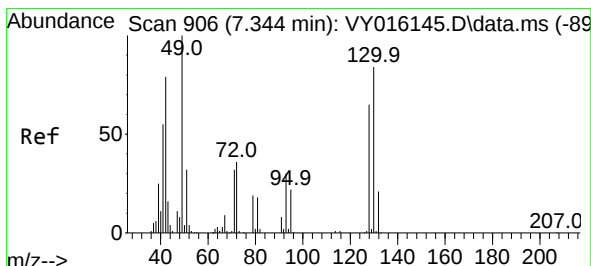
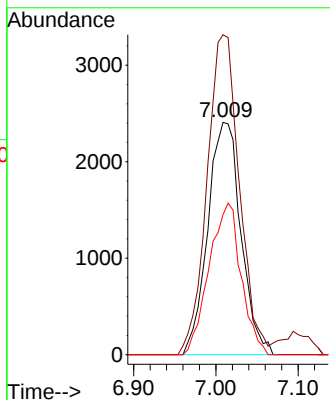
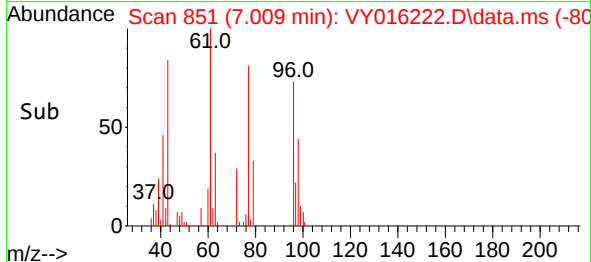
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT4-2023



Tgt Ion: 96 Resp: 6738
 Ion Ratio Lower Upper
 96 100
 61 134.5 0.0 301.4
 98 63.1 0.0 130.4

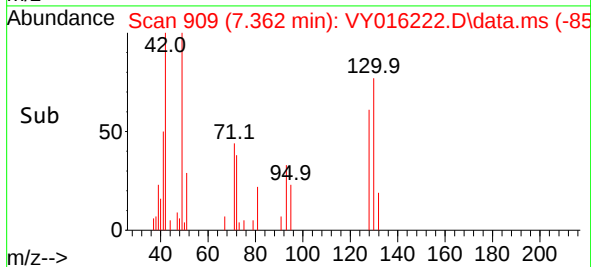
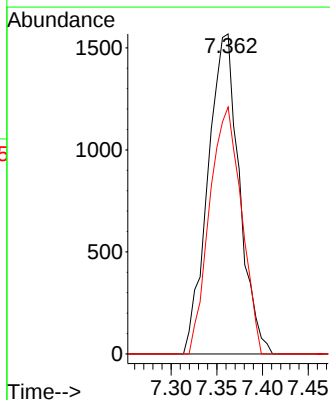
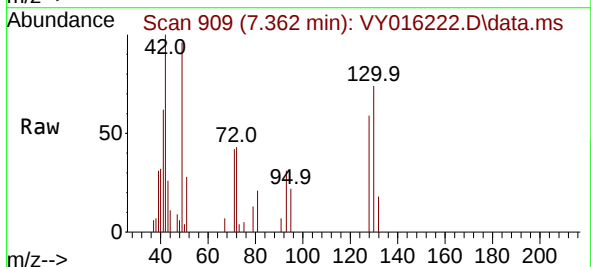
Manual Integrations
 APPROVED

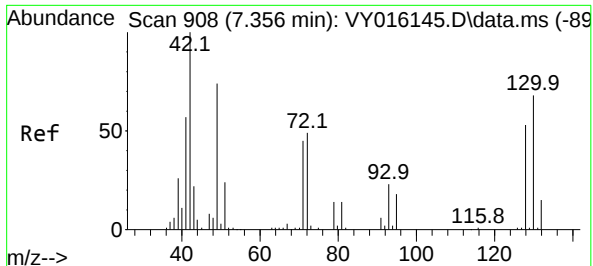
Reviewed By :John Carlone 11/06/2023
 Supervised By :Mahesh Dadoda 11/06/2023



#28
 Bromochloromethane
 Concen: 4.235 ug/l
 RT: 7.362 min Scan# 909
 Delta R.T. 0.018 min
 Lab File: VY016222.D
 Acq: 03 Nov 2023 20:18

Tgt Ion: 49 Resp: 3741
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.6
 130 78.4 60.7 91.1





#29

Tetrahydrofuran

Concen: 21.875 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.012 min

Lab File: VY016222.D

Acq: 03 Nov 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023

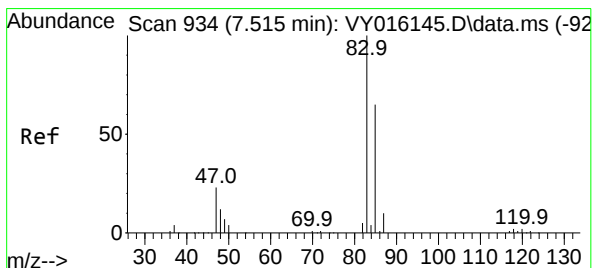
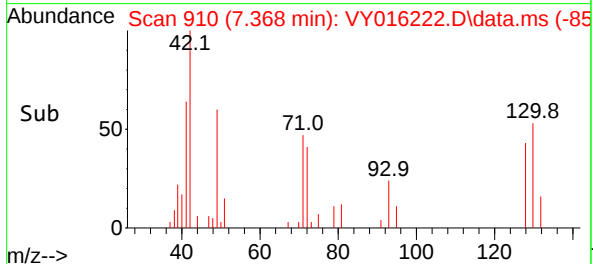
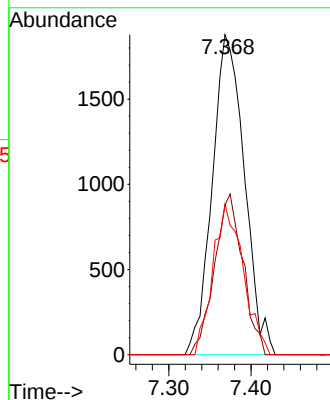
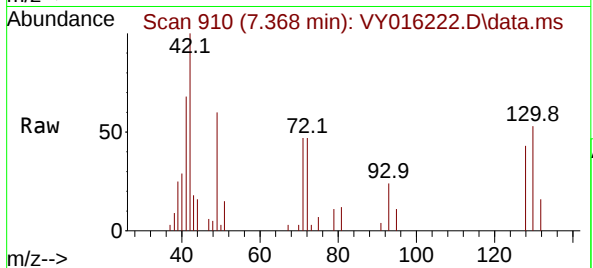
Tgt Ion: 42	Resp: 5100
Ion Ratio	Lower Upper
42	100
72	44.5 32.8 49.2
71	44.4 31.0 46.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#30

Chloroform

Concen: 5.303 ug/l

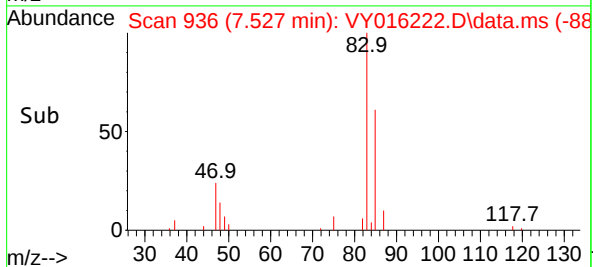
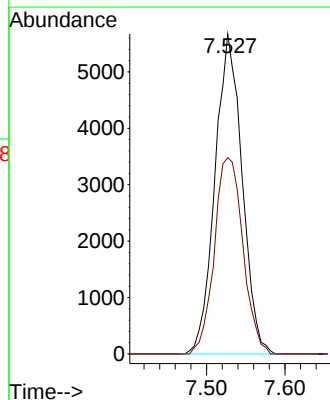
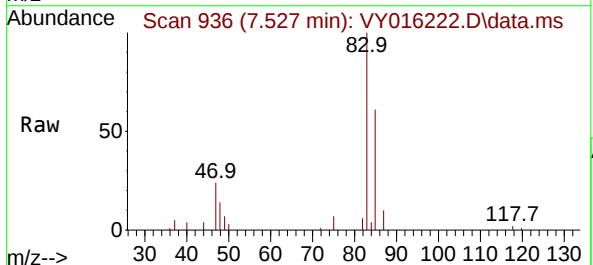
RT: 7.527 min Scan# 936

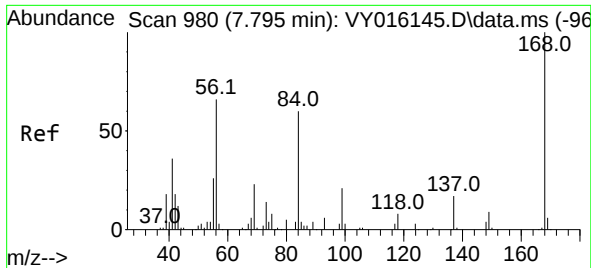
Delta R.T. 0.012 min

Lab File: VY016222.D

Acq: 03 Nov 2023 20:18

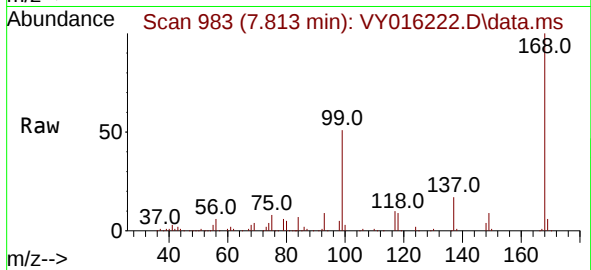
Tgt Ion: 83	Resp: 13628
Ion Ratio	Lower Upper
83	100
85	61.4 49.7 74.5





#31
Cyclohexane
Concen: 4.679 ug/l
RT: 7.813 min Scan# 969
Delta R.T. 0.018 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

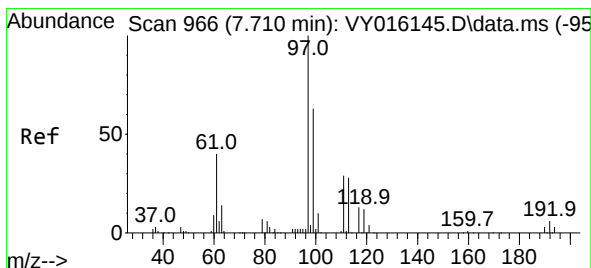
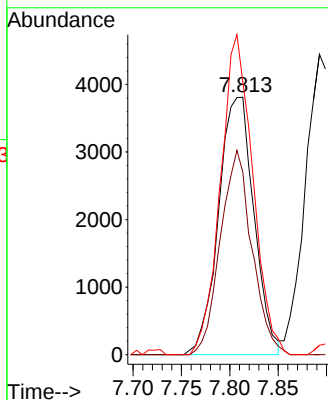
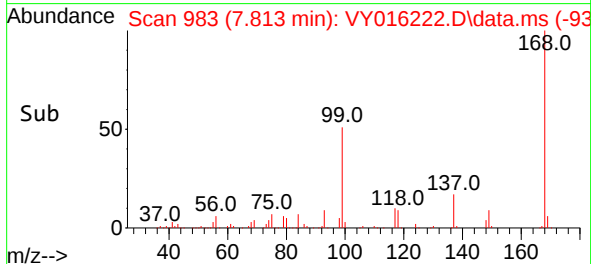
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



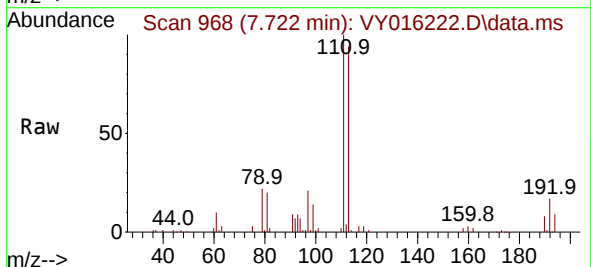
Tgt Ion: 56 Resp: 9690
Ion Ratio Lower Upper
56 100
69 70.9 27.8 41.6
84 105.8 66.4 99.6

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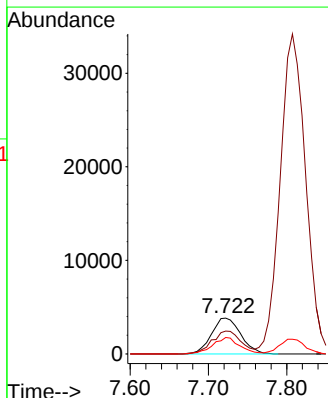
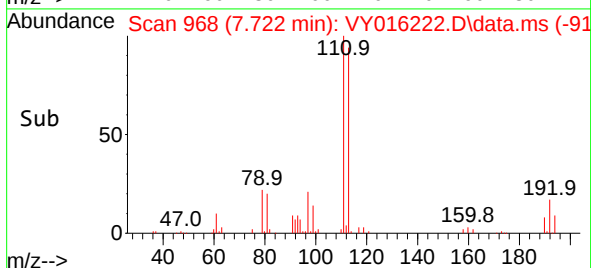
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023

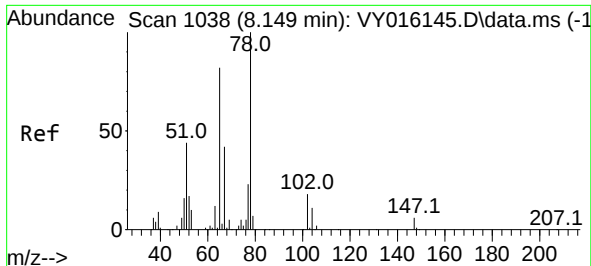


#32
1,1,1-Trichloroethane
Concen: 4.212 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.012 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18



Tgt Ion: 97 Resp: 9927
Ion Ratio Lower Upper
97 100
99 63.5 50.8 76.2
61 42.5 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 54.876 ug/l

RT: 8.161 min Scan# 1130

Delta R.T. 0.012 min

Lab File: VY016222.D

Acq: 03 Nov 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023

Tgt Ion: 65 Resp: 73978

Ion Ratio Lower Upper

65 100

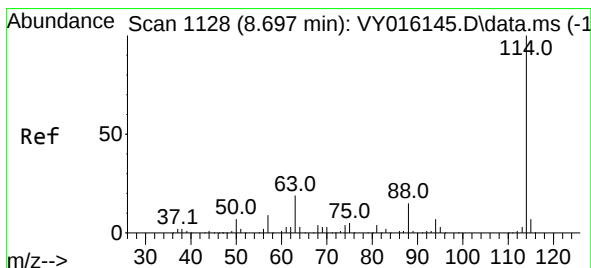
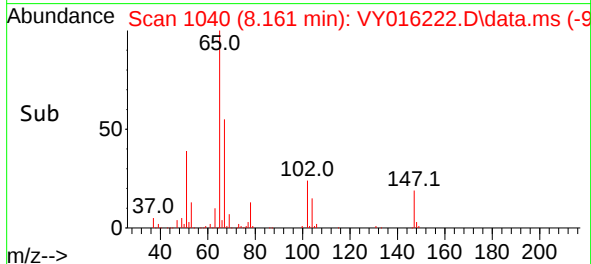
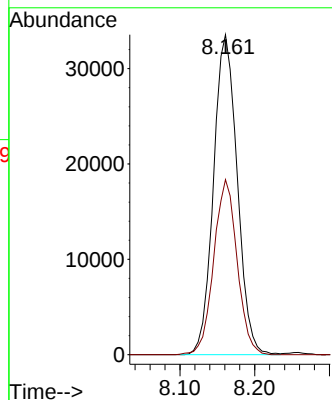
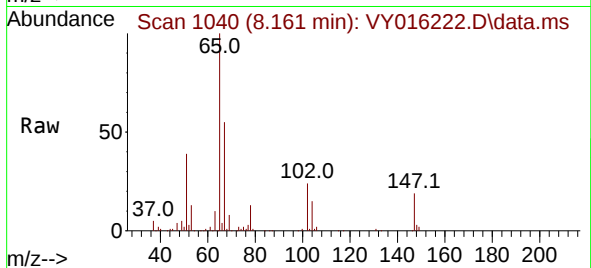
67 53.9 0.0 101.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1130

Delta R.T. 0.012 min

Lab File: VY016222.D

Acq: 03 Nov 2023 20:18

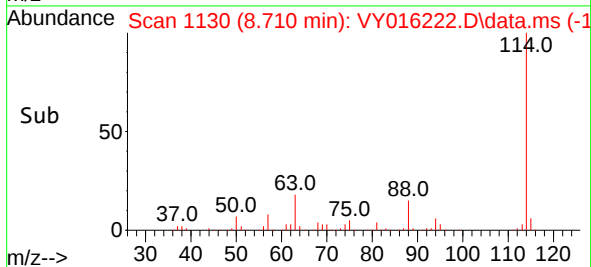
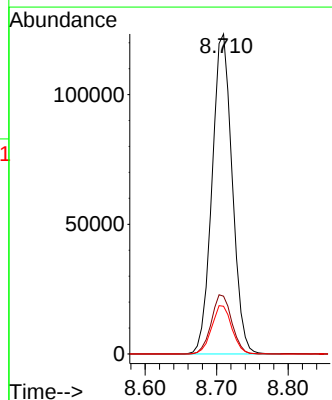
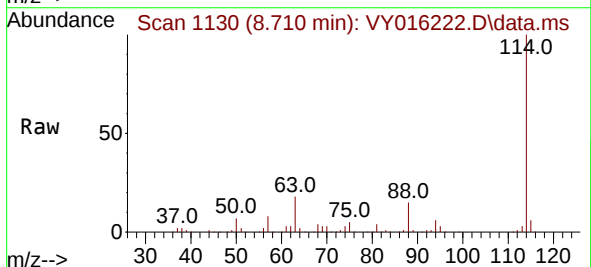
Tgt Ion:114 Resp: 241135

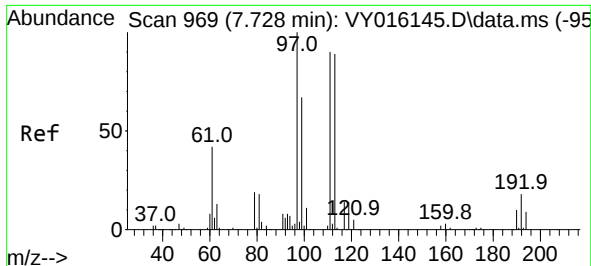
Ion Ratio Lower Upper

114 100

63 18.1 0.0 42.4

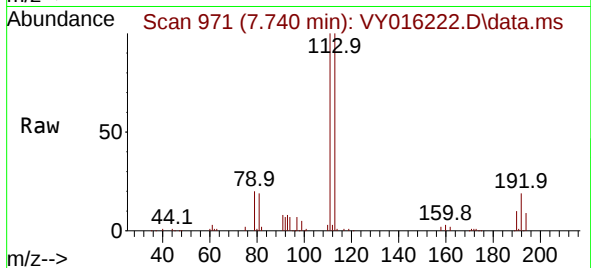
88 14.9 0.0 30.6





#35
Dibromofluoromethane
Concen: 49.319 ug/l
RT: 7.740 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

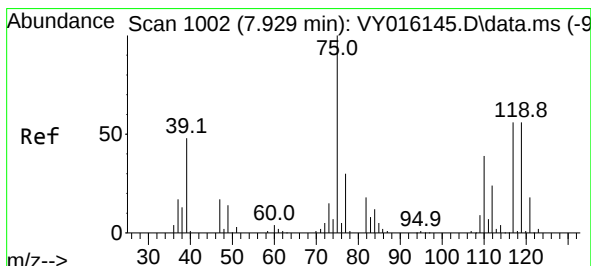
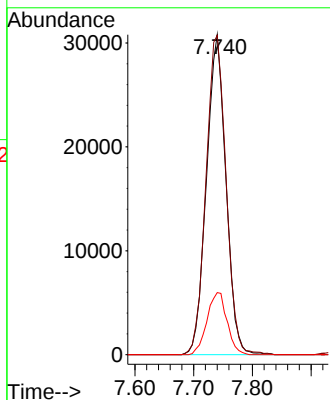
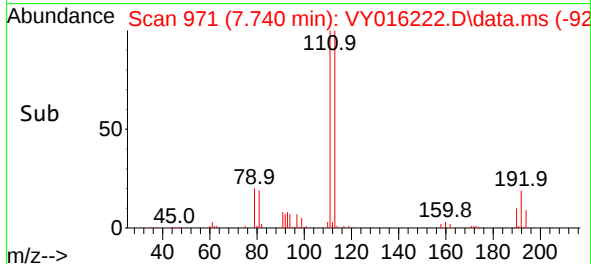
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:113 Resp: 70900
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 19.9 16.9 25.3

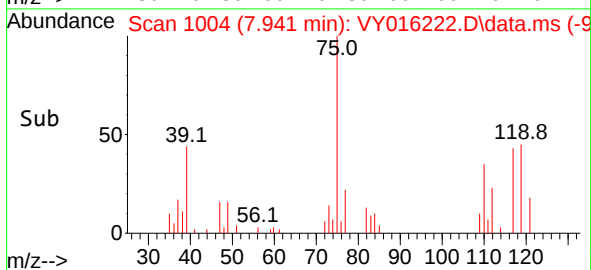
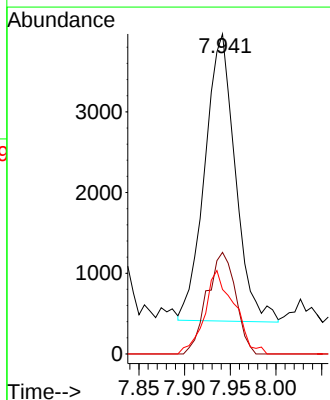
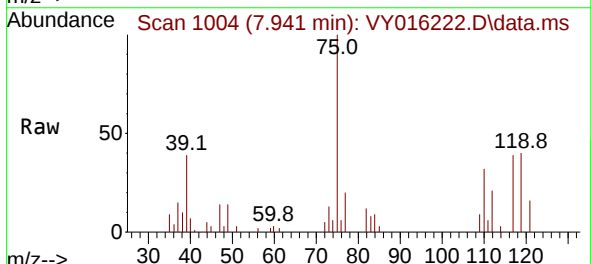
Manual Integrations
APPROVED

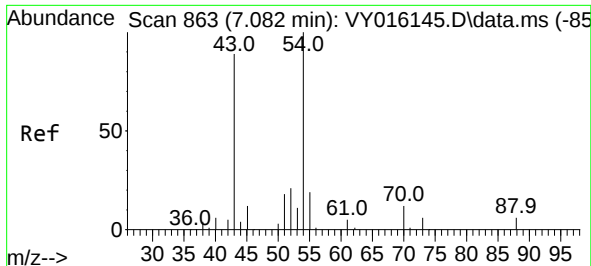
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#36
1,1-Dichloropropene
Concen: 3.971 ug/l
RT: 7.941 min Scan# 1004
Delta R.T. 0.012 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

Tgt Ion: 75 Resp: 8243
Ion Ratio Lower Upper
75 100
110 33.2 17.8 53.5
77 28.3 24.4 36.6





#37

Ethyl Acetate

Concen: 4.093 ug/l

RT: 7.094 min Scan# 80

Delta R.T. 0.012 min

Lab File: VY016222.D

Acq: 03 Nov 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023

Tgt Ion: 43 Resp: 3784

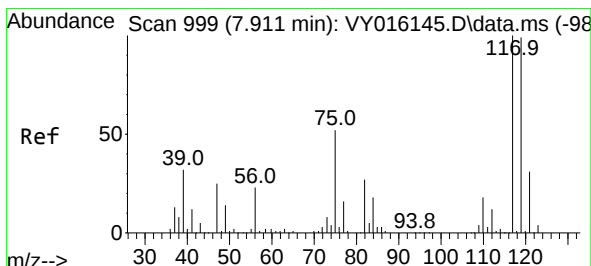
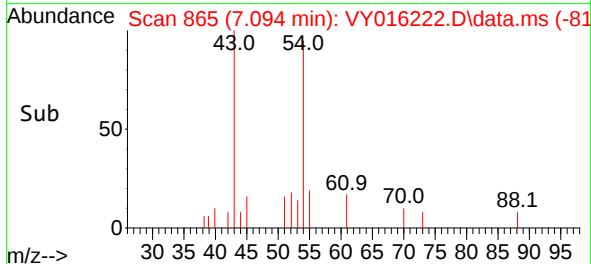
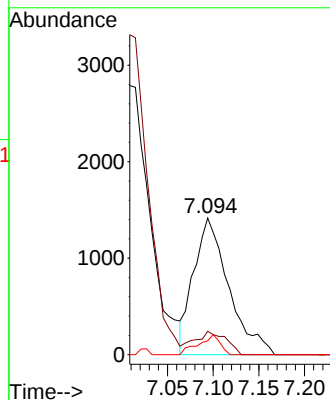
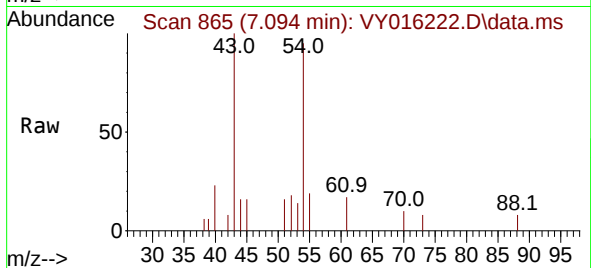
Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.1	15.1
70	8.9	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#38

Carbon Tetrachloride

Concen: 4.128 ug/l

RT: 7.923 min Scan# 1001

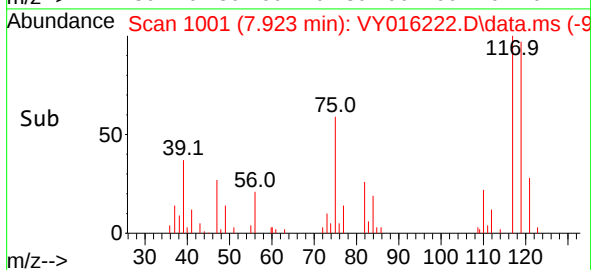
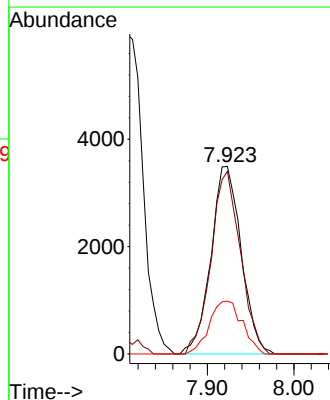
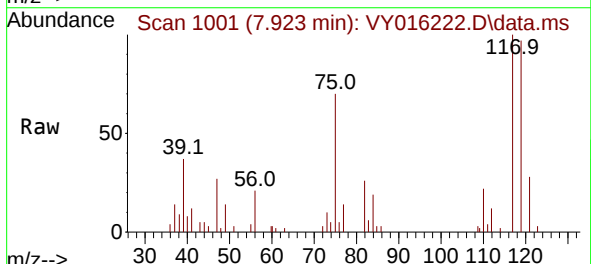
Delta R.T. 0.012 min

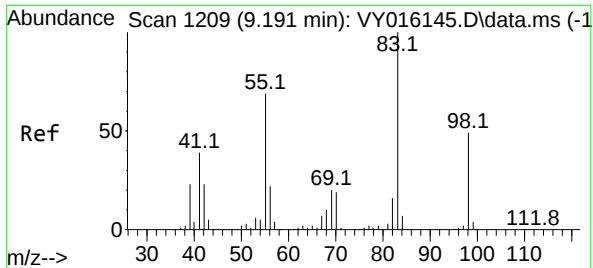
Lab File: VY016222.D

Acq: 03 Nov 2023 20:18

Tgt Ion:117 Resp: 8489

Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.4	114.6
121	28.2	25.8	38.6





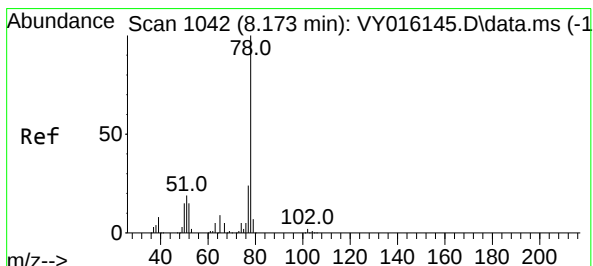
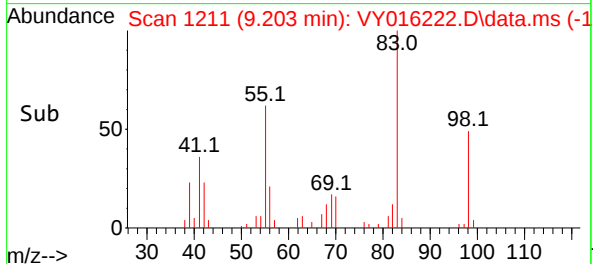
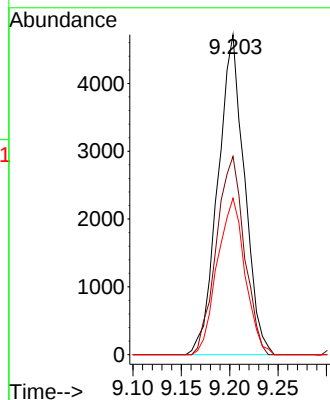
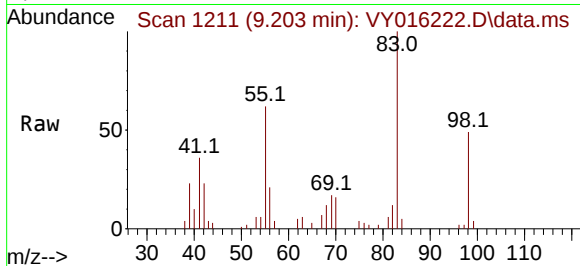
#39
Methylcyclohexane
Concen: 3.635 ug/l
RT: 9.203 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

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

Tgt Ion: 83 Resp: 9008
Ion Ratio Lower Upper
83 100
55 62.0 63.0 94.4
98 48.9 37.4 56.2

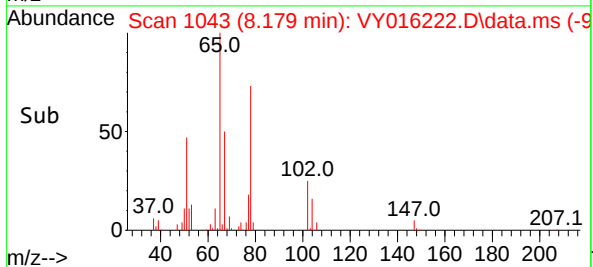
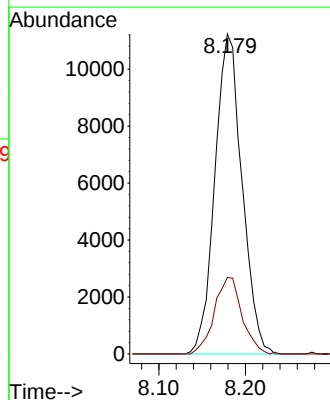
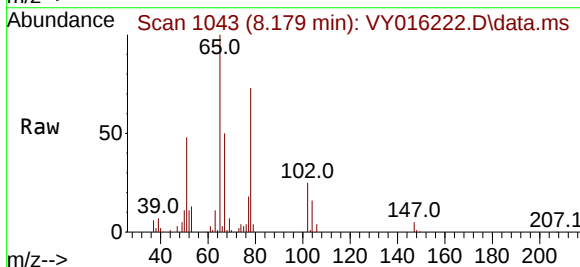
Manual Integrations
APPROVED

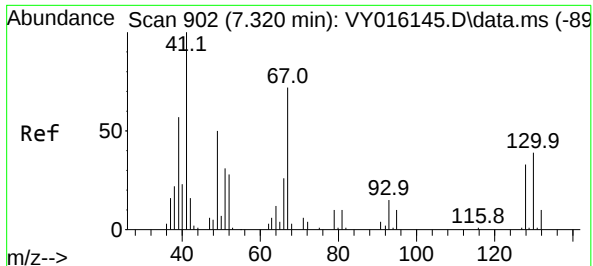
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#40
Benzene
Concen: 4.101 ug/l
RT: 8.179 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

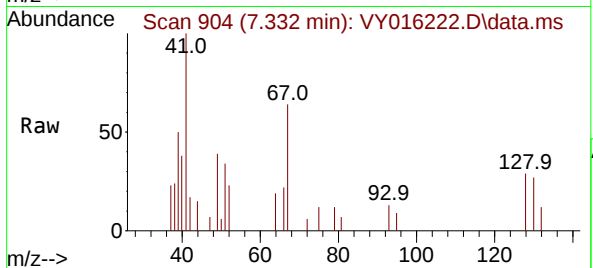
Tgt Ion: 78 Resp: 24441
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6





#41
Methacrylonitrile
Concen: 3.211 ug/l
RT: 7.332 min Scan# 902
Delta R.T. 0.012 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

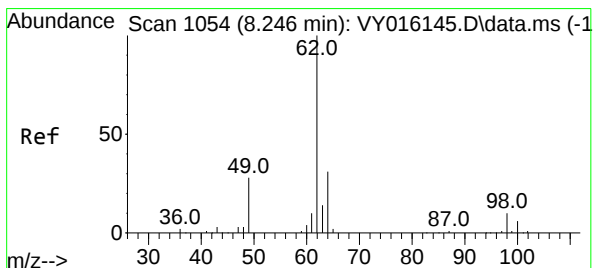
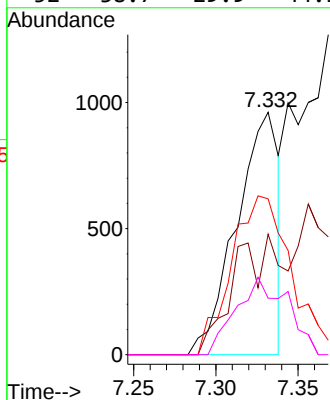
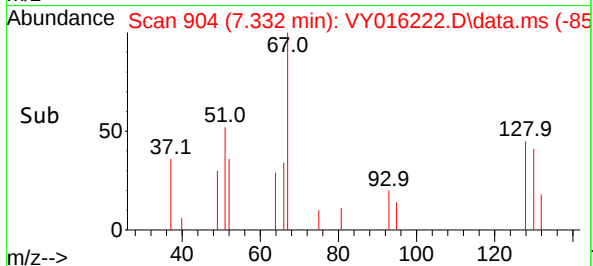
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion: 41 Resp: 172
Ion Ratio Lower Upper
41 100
39 32.7 52.1 78.1
67 91.8 66.2 99.2
52 38.7 29.9 44.9

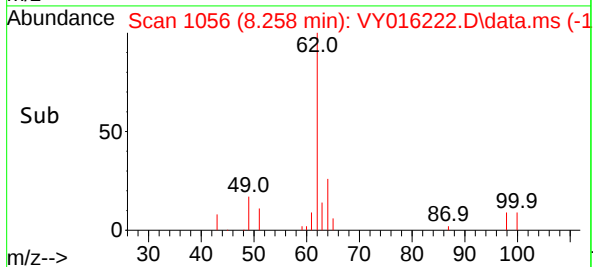
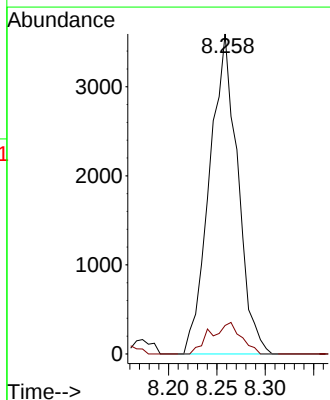
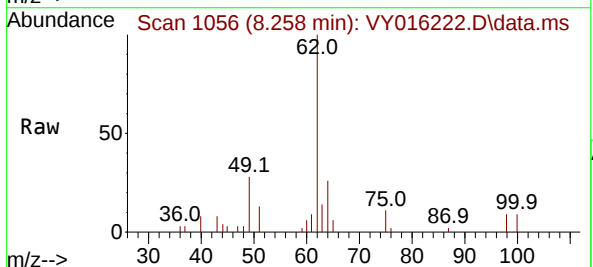
Manual Integrations
APPROVED

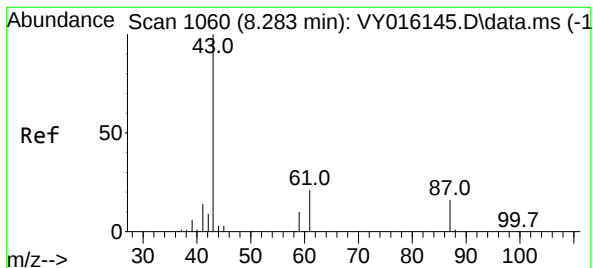
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#42
1,2-Dichloroethane
Concen: 4.376 ug/l
RT: 8.258 min Scan# 1056
Delta R.T. 0.012 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

Tgt Ion: 62 Resp: 7278
Ion Ratio Lower Upper
62 100
98 10.7 0.0 15.8





#43

Isopropyl Acetate

Concen: 3.971 ug/l

RT: 8.295 min Scan# 1062

Delta R.T. 0.012 min

Lab File: VY016222.D

Acq: 03 Nov 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023

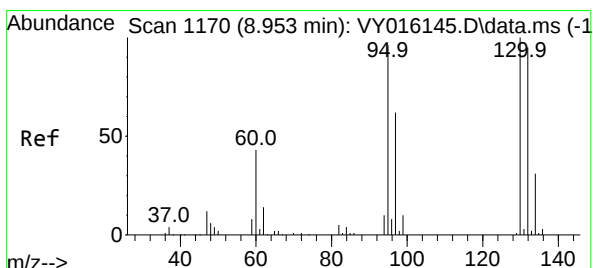
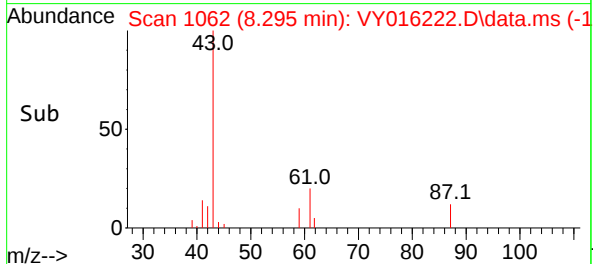
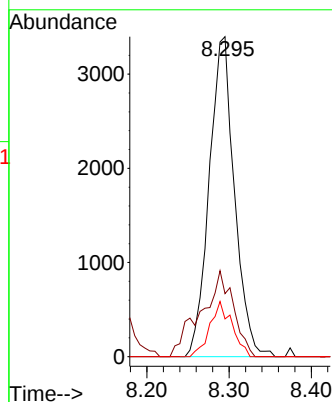
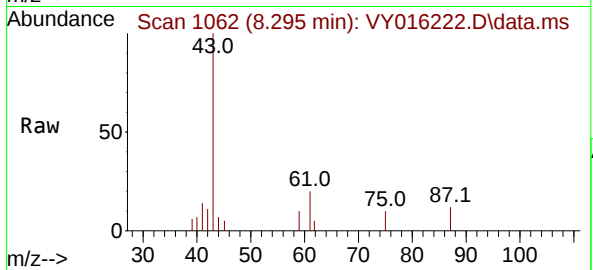
Tgt Ion: 43	Resp: 726
Ion Ratio	Lower Upper
43 100	
61 34.5	21.1 31.7
87 15.1	9.8 14.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#44

Trichloroethene

Concen: 3.942 ug/l

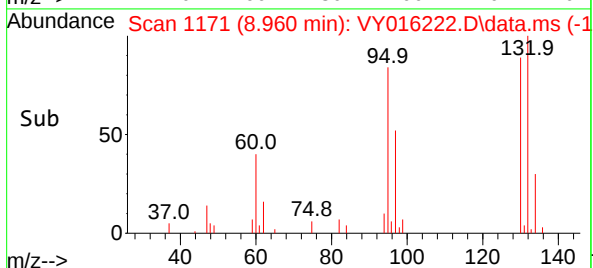
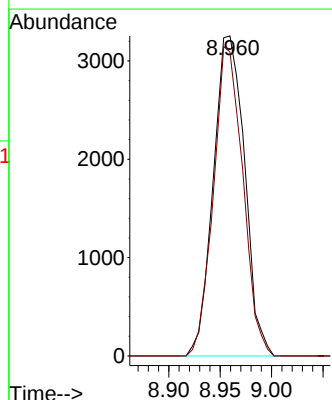
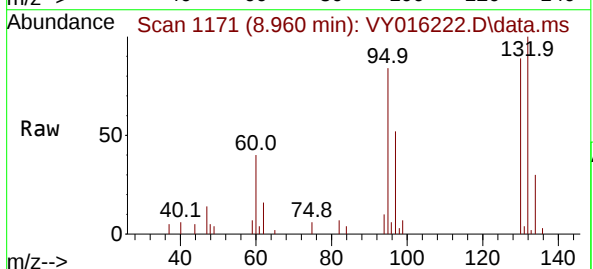
RT: 8.960 min Scan# 1171

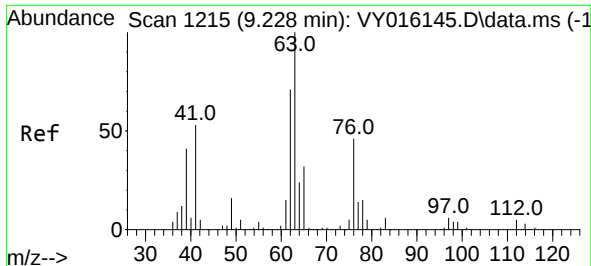
Delta R.T. 0.006 min

Lab File: VY016222.D

Acq: 03 Nov 2023 20:18

Tgt Ion:130	Resp: 6874
Ion Ratio	Lower Upper
130 100	
95 95.0	0.0 196.0





#45

1,2-Dichloropropane

Concen: 4.177 ug/l

RT: 9.228 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VY016222.D

Acq: 03 Nov 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023

Tgt Ion: 63 Resp: 598

Ion Ratio Lower Upper

63 100

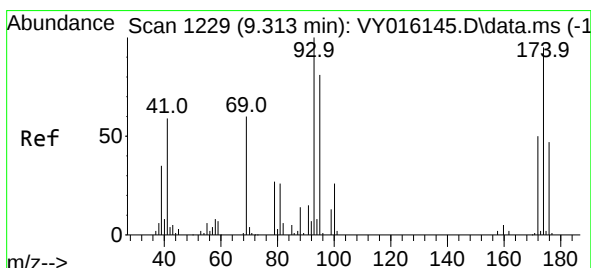
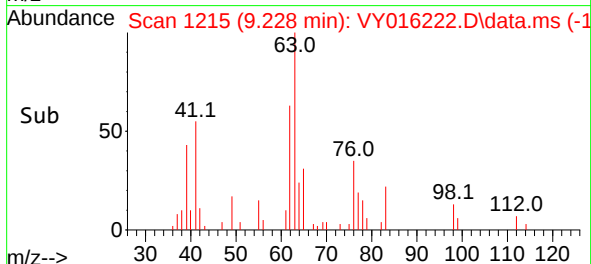
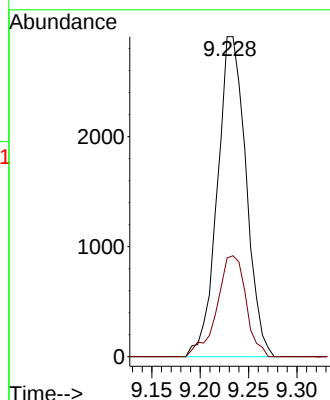
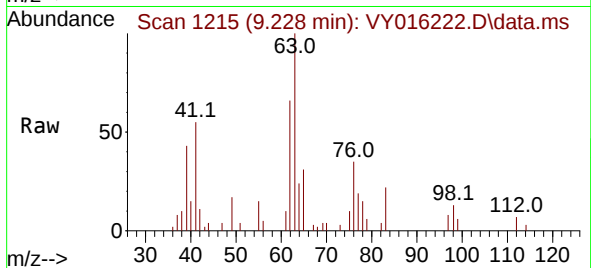
65 30.8 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#46

Dibromomethane

Concen: 3.983 ug/l

RT: 9.325 min Scan# 1231

Delta R.T. 0.012 min

Lab File: VY016222.D

Acq: 03 Nov 2023 20:18

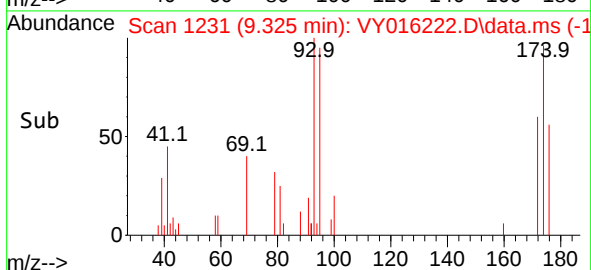
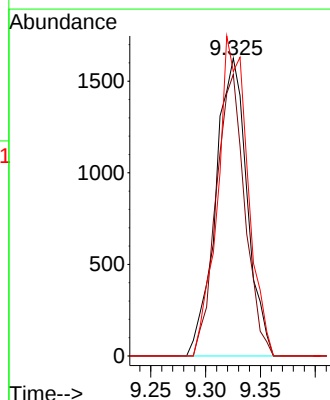
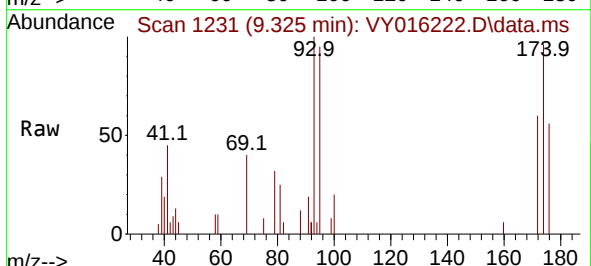
Tgt Ion: 93 Resp: 3239

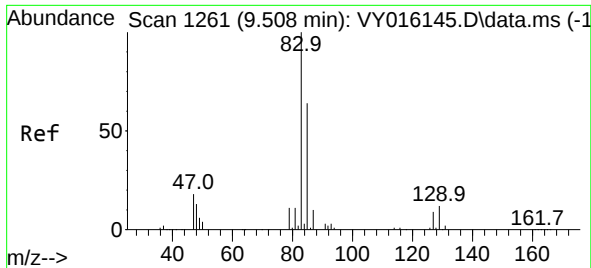
Ion Ratio Lower Upper

93 100

95 86.7 66.6 100.0

174 102.7 84.8 127.2





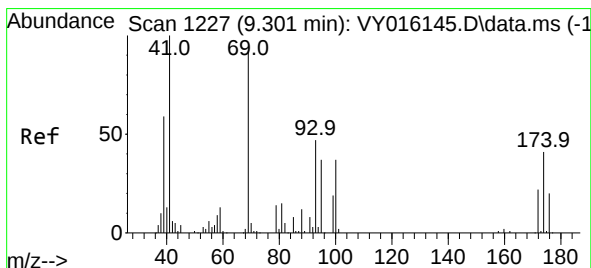
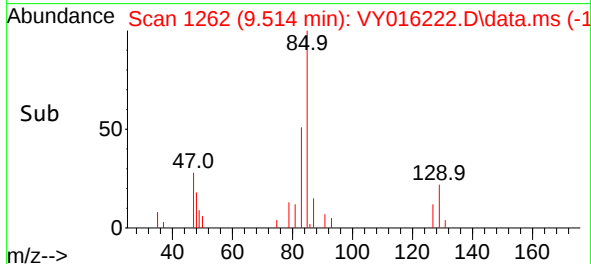
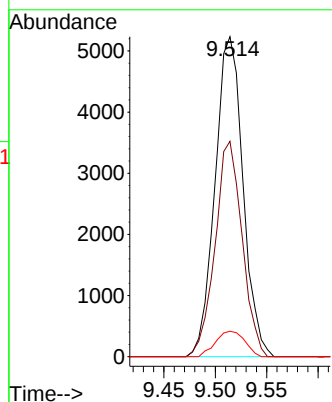
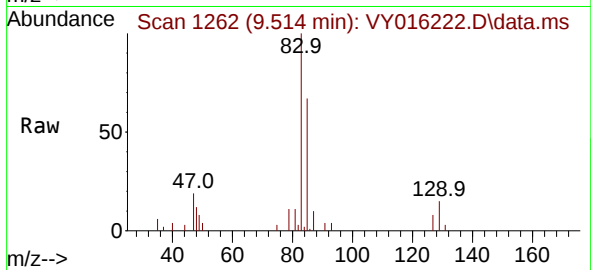
#47
Bromodichloromethane
Concen: 4.781 ug/l
RT: 9.514 min Scan# 1262
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

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

Tgt Ion: 83 Resp: 9880
Ion Ratio Lower Upper
83 100
85 67.3 50.1 75.1
127 7.9 7.1 10.7

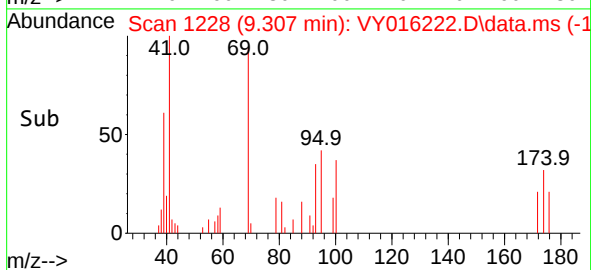
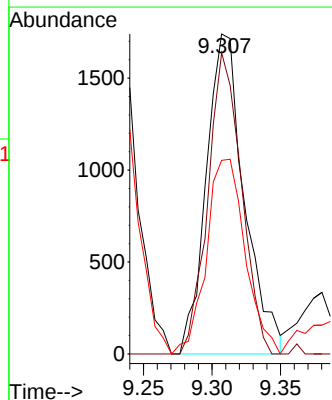
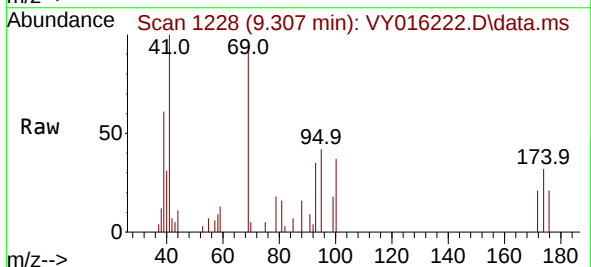
Manual Integrations
APPROVED

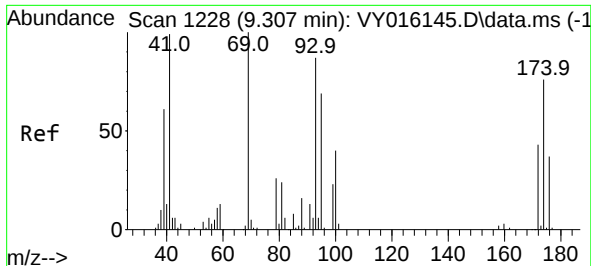
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#48
Methyl methacrylate
Concen: 4.041 ug/l
RT: 9.307 min Scan# 1228
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

Tgt Ion: 41 Resp: 3361
Ion Ratio Lower Upper
41 100
69 82.8 64.5 96.7
39 61.8 50.8 76.2





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.319 min Scan# 1228

Delta R.T. 0.012 min

Lab File: VY016222.D

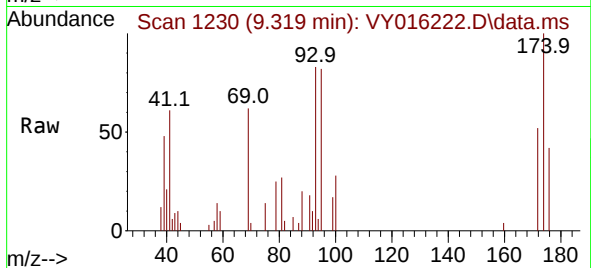
Acq: 03 Nov 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023



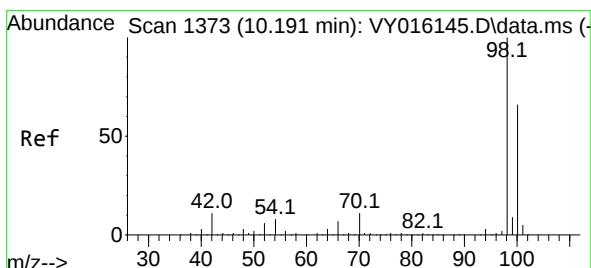
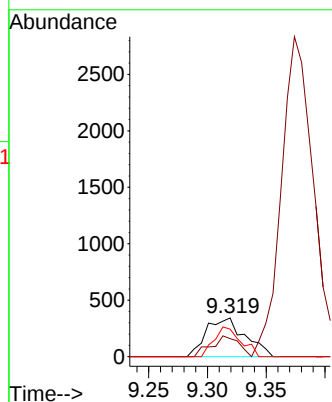
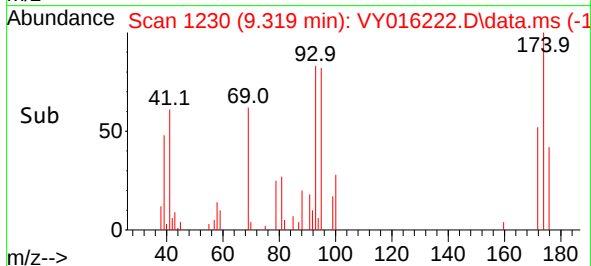
Tgt Ion:	88	Resp:	780
Ion Ratio	Lower	Upper	
88	100		
43	37.8	0.0	0.0
58	52.8	30.9	46.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#50

Toluene-d8

Concen: 50.551 ug/l

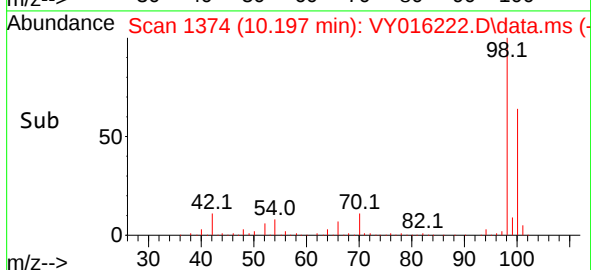
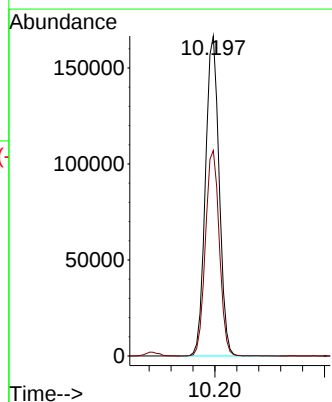
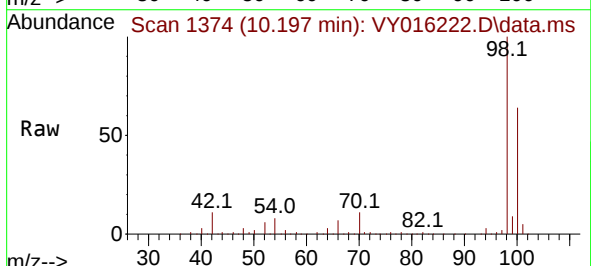
RT: 10.197 min Scan# 1374

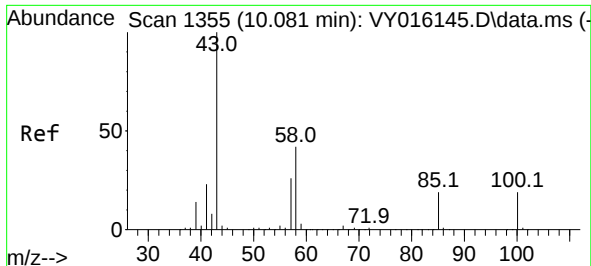
Delta R.T. 0.006 min

Lab File: VY016222.D

Acq: 03 Nov 2023 20:18

Tgt Ion:	98	Resp:	288127
Ion Ratio	Lower	Upper	
98	100		
100	65.1	50.1	75.1





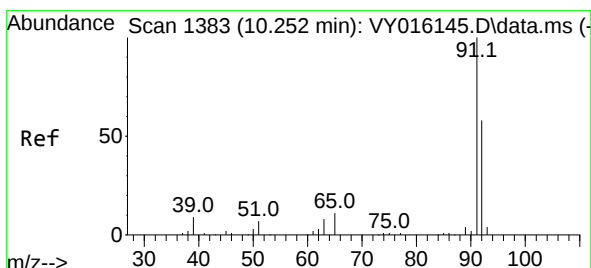
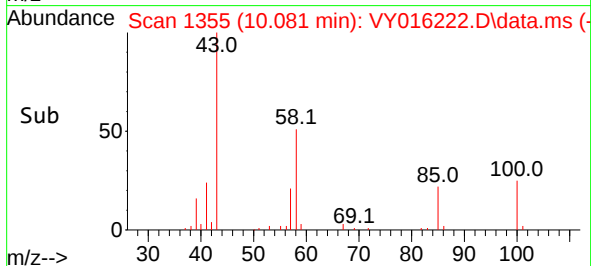
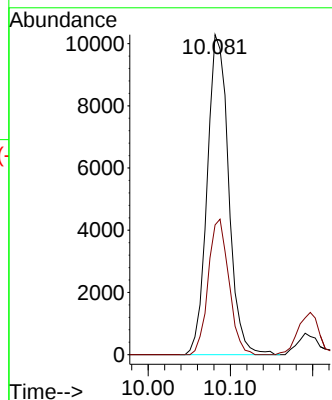
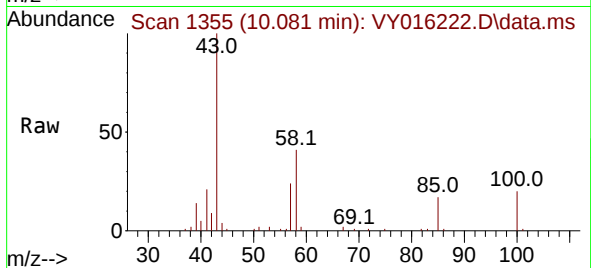
#51
4-Methyl-2-Pentanone
Concen: 20.406 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.000 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

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

Tgt Ion: 43 Resp: 1862
Ion Ratio Lower Upper
43 100
58 40.7 29.0 43.6

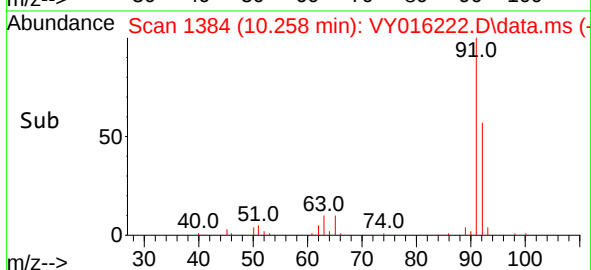
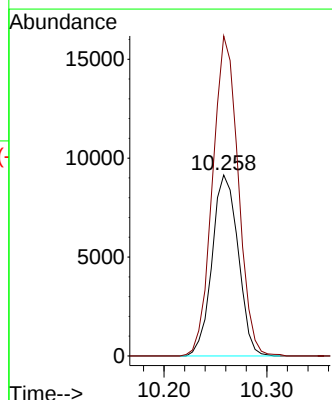
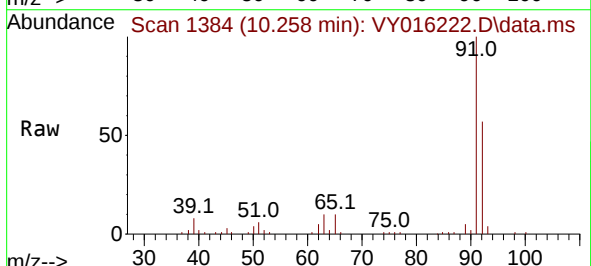
Manual Integrations
APPROVED

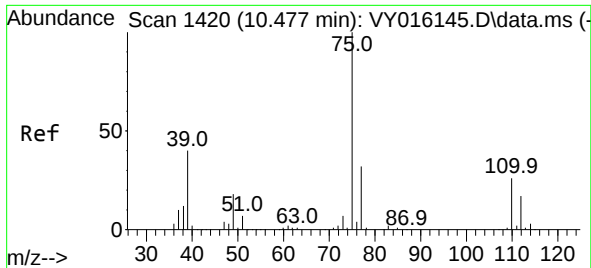
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#52
Toluene
Concen: 4.163 ug/l
RT: 10.258 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

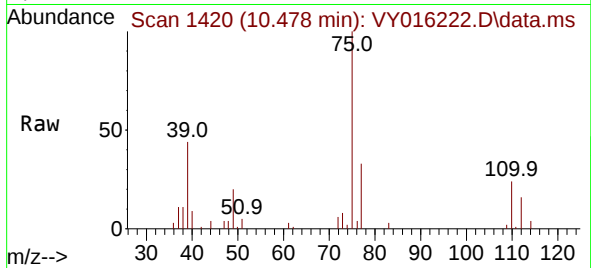
Tgt Ion: 92 Resp: 16077
Ion Ratio Lower Upper
92 100
91 174.5 143.8 215.6





#53
 t-1,3-Dichloropropene
 Concen: 4.023 ug/l
 RT: 10.478 min Scan# 1420
 Delta R.T. 0.000 min
 Lab File: VY016222.D
 Acq: 03 Nov 2023 20:18

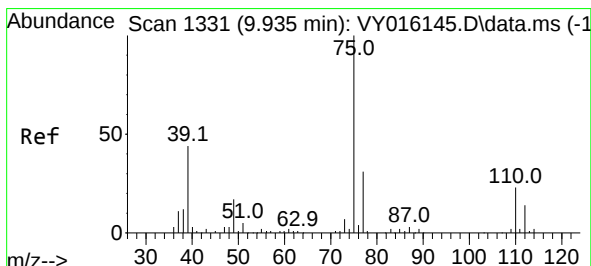
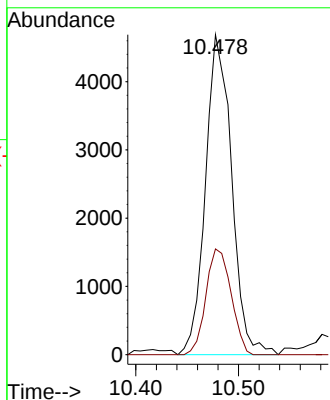
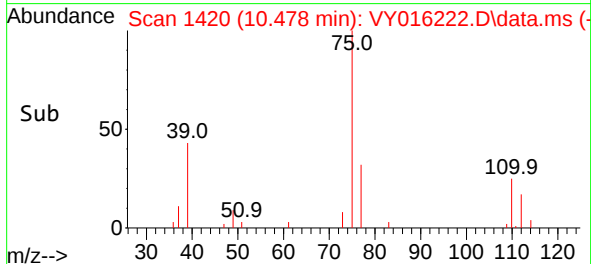
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT4-2023



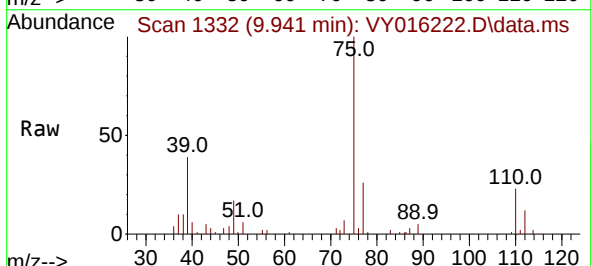
Tgt Ion: 75 Resp: 8299
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.0 37.4

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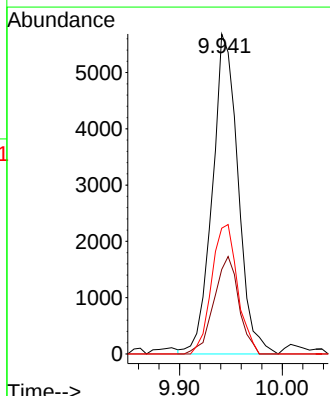
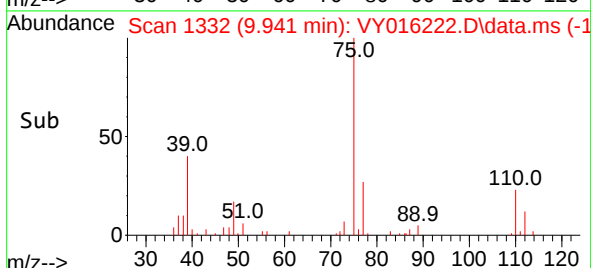
Reviewed By :John Carlone 11/06/2023
 Supervised By :Mahesh Dadoda 11/06/2023

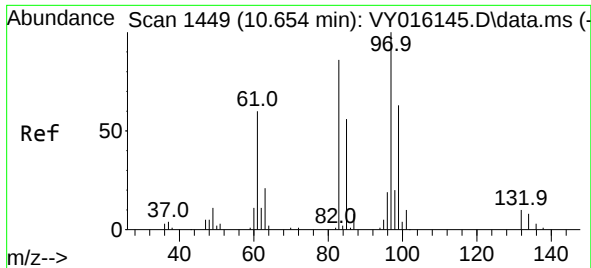


#54
 cis-1,3-Dichloropropene
 Concen: 4.084 ug/l
 RT: 9.941 min Scan# 1332
 Delta R.T. 0.006 min
 Lab File: VY016222.D
 Acq: 03 Nov 2023 20:18



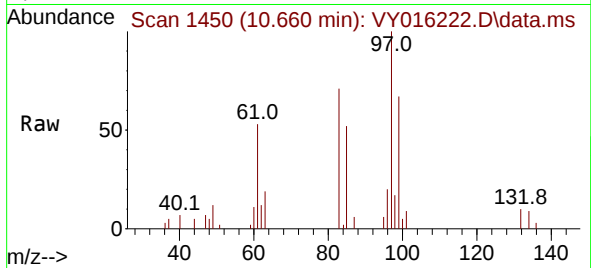
Tgt Ion: 75 Resp: 9885
 Ion Ratio Lower Upper
 75 100
 77 26.4 24.2 36.4
 39 39.3 42.2 63.4#





#55
1,1,2-Trichloroethane
Concen: 4.313 ug/l
RT: 10.660 min Scan# 1449
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

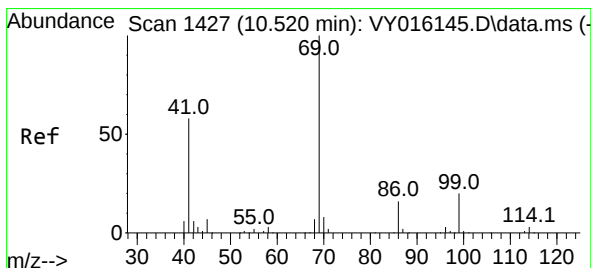
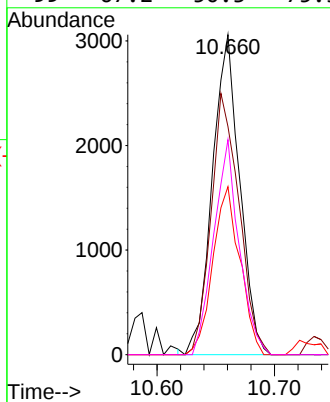
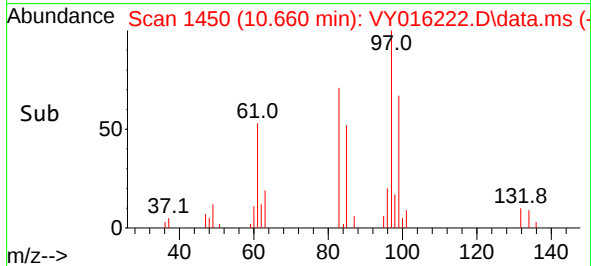
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion: 97 Resp: 4934
Ion Ratio Lower Upper
97 100
83 71.3 72.0 108.0
85 52.5 45.4 68.0
99 67.2 50.3 75.5

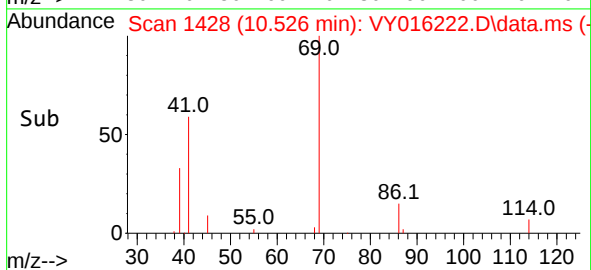
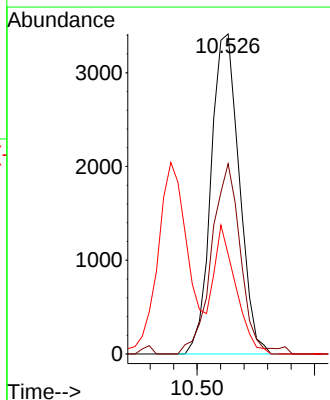
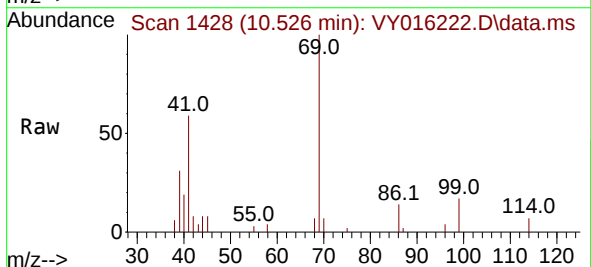
Manual Integrations
APPROVED

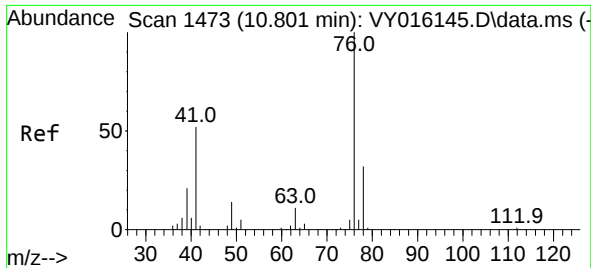
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#56
Ethyl methacrylate
Concen: 3.827 ug/l
RT: 10.526 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

Tgt Ion: 69 Resp: 5686
Ion Ratio Lower Upper
69 100
41 61.6 57.6 86.4
39 31.0 34.1 51.1#





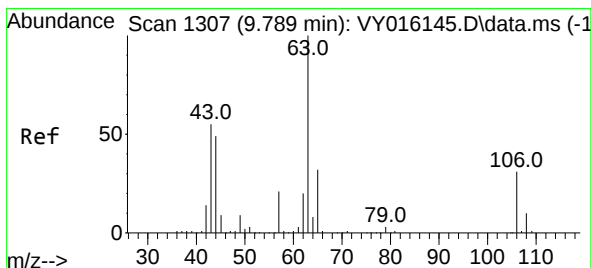
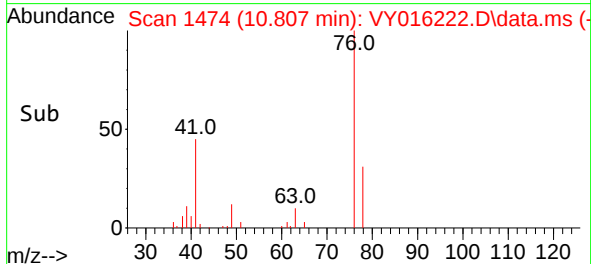
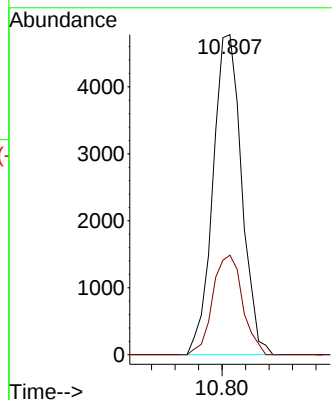
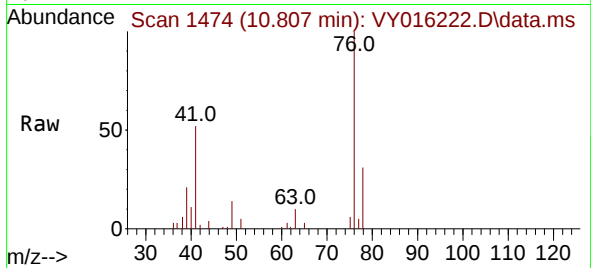
#57
1,3-Dichloropropane
Concen: 4.168 ug/l
RT: 10.807 min Scan# 1473
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

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

Tgt Ion: 76 Resp: 811
Ion Ratio Lower Upper
76 100
78 32.2 25.3 37.9

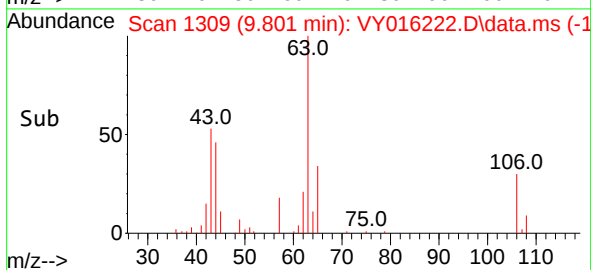
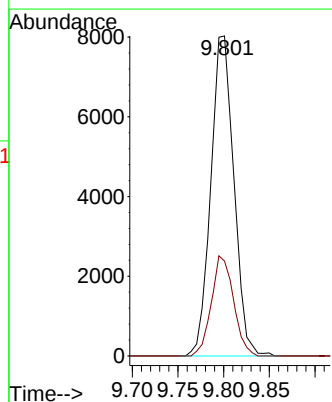
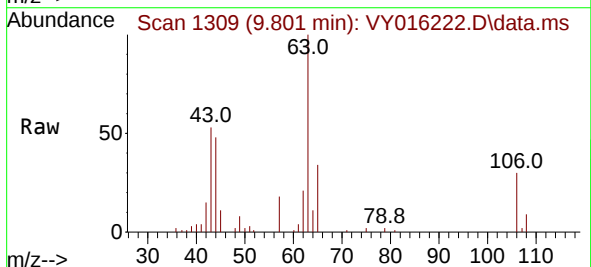
Manual Integrations
APPROVED

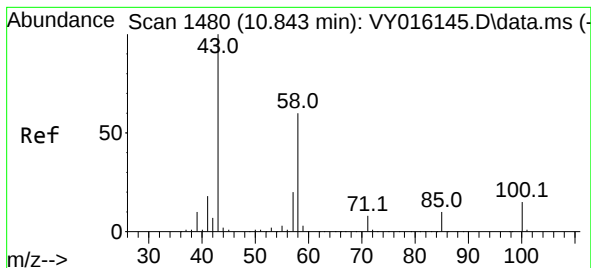
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#58
2-Chloroethyl Vinyl ether
Concen: 19.547 ug/l
RT: 9.801 min Scan# 1309
Delta R.T. 0.012 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

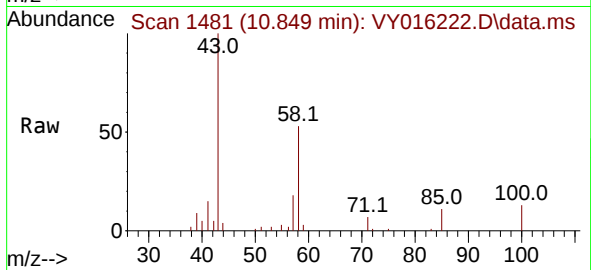
Tgt Ion: 63 Resp: 14082
Ion Ratio Lower Upper
63 100
106 30.0 21.2 31.8





#59
2-Hexanone
Concen: 19.297 ug/l
RT: 10.849 min Scan# 1480
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

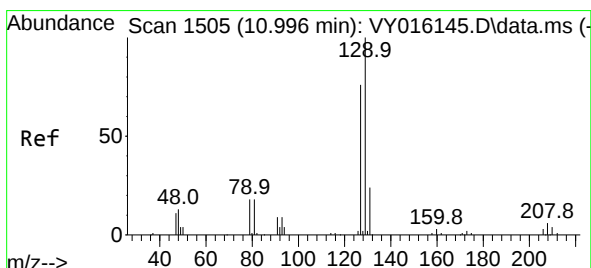
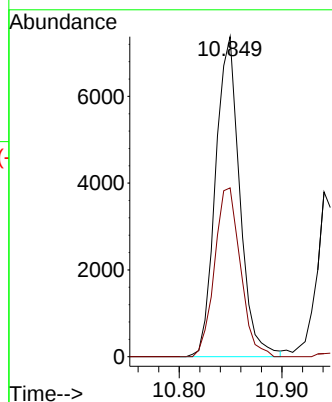
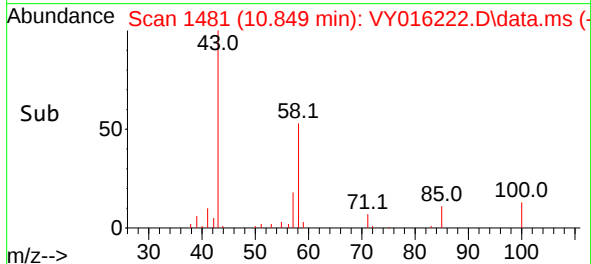
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion: 43 Resp: 1206
Ion Ratio Lower Upper
43 100
58 56.2 25.1 75.3

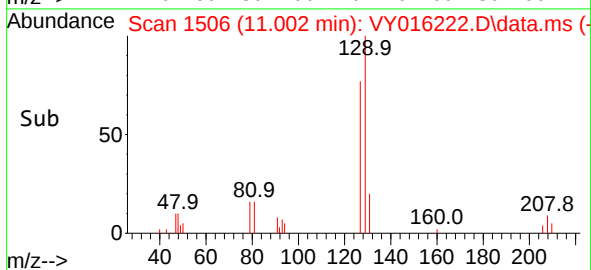
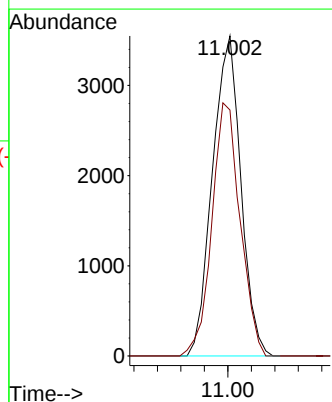
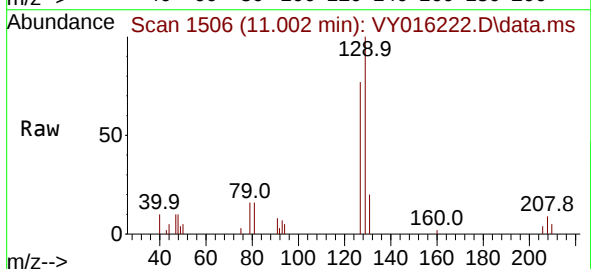
Manual Integrations
APPROVED

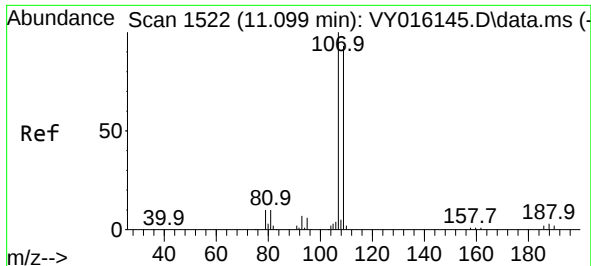
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#60
Dibromochloromethane
Concen: 4.154 ug/l
RT: 11.002 min Scan# 1506
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

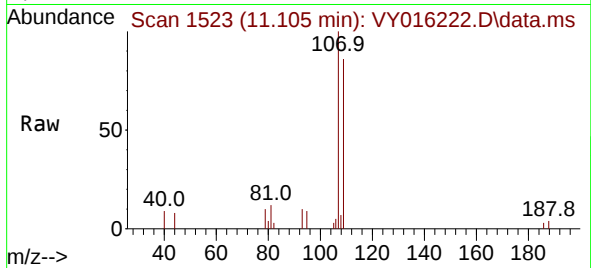
Tgt Ion:129 Resp: 5962
Ion Ratio Lower Upper
129 100
127 78.5 38.5 115.5





#61
1,2-Dibromoethane
Concen: 4.199 ug/l
RT: 11.105 min Scan# 1523
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

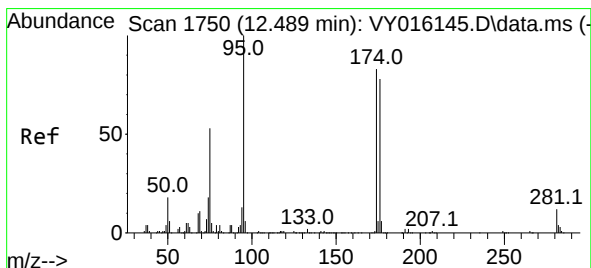
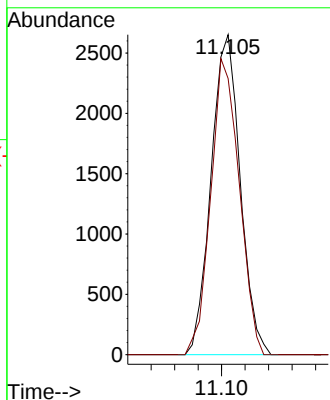
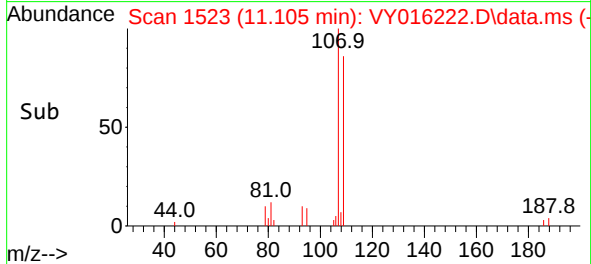
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



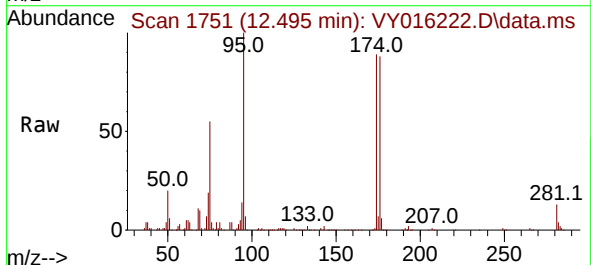
Tgt Ion:107 Resp: 4569
Ion Ratio Lower Upper
107 100
109 90.5 75.6 113.4

Manual Integrations
APPROVED

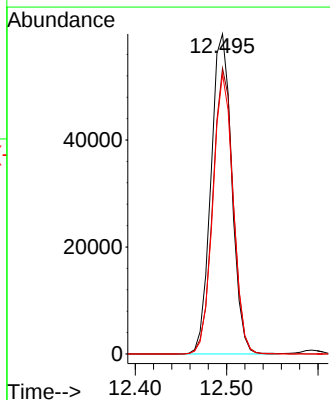
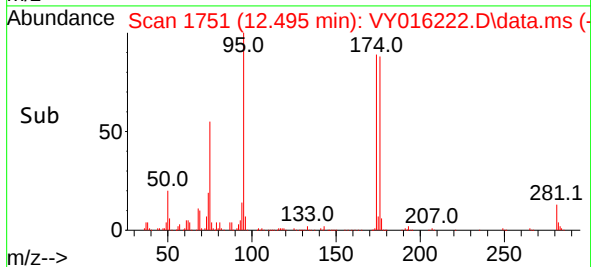
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023

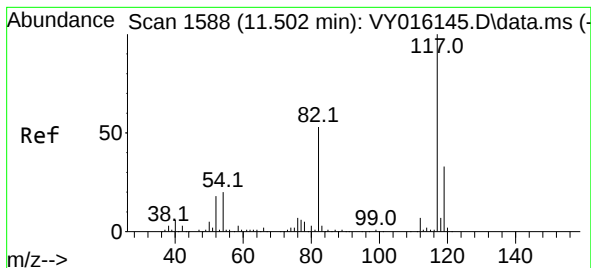


#62
4-Bromofluorobenzene
Concen: 48.505 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18



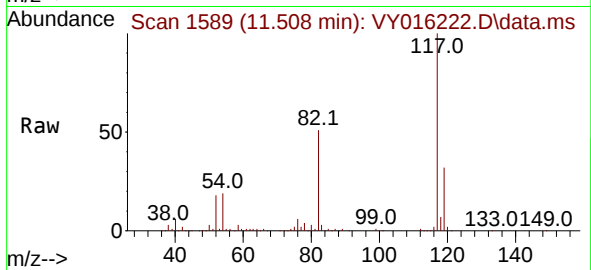
Tgt Ion: 95 Resp: 94536
Ion Ratio Lower Upper
95 100
174 87.4 0.0 178.2
176 85.2 0.0 173.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1158
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

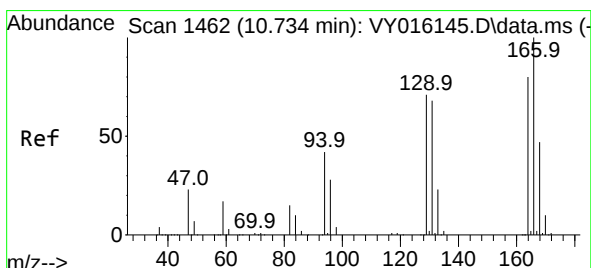
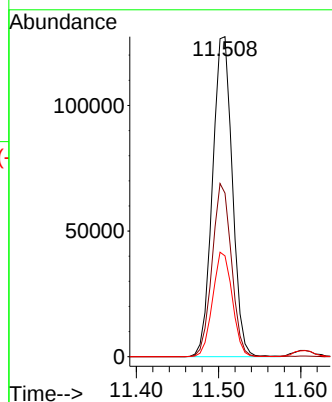
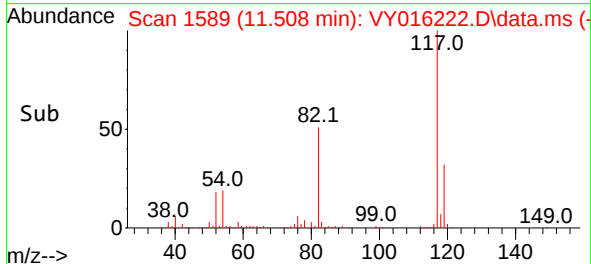
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:117 Resp: 21312
Ion Ratio Lower Upper
117 100
82 51.1 43.4 65.0
119 31.5 26.3 39.5

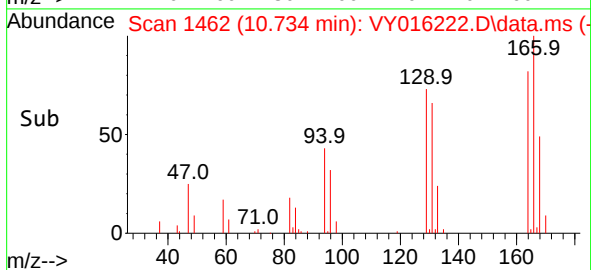
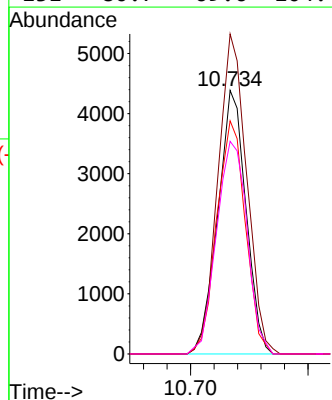
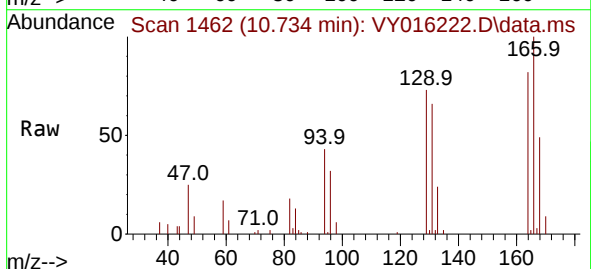
Manual Integrations
APPROVED

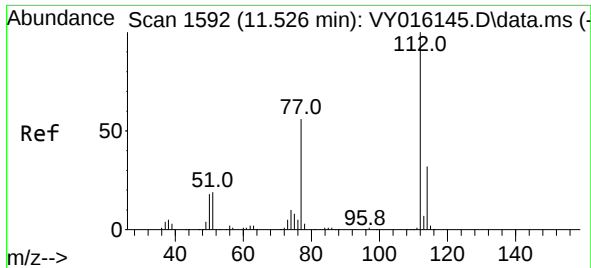
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#64
Tetrachloroethene
Concen: 3.848 ug/l
RT: 10.734 min Scan# 1462
Delta R.T. 0.000 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

Tgt Ion:164 Resp: 7294
Ion Ratio Lower Upper
164 100
166 121.5 103.0 154.6
129 88.5 77.2 115.8
131 80.7 69.6 104.4





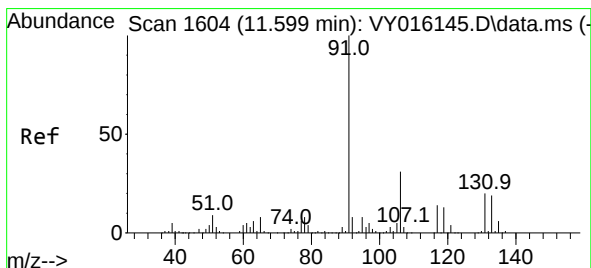
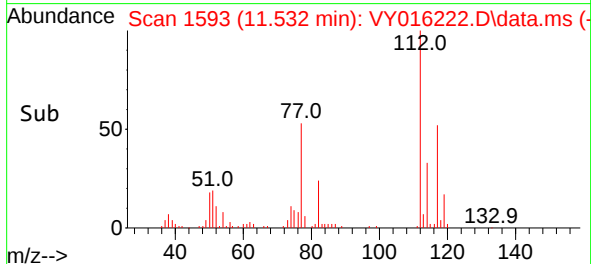
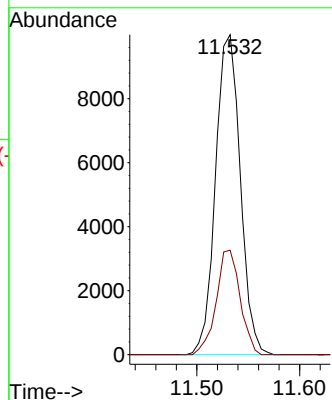
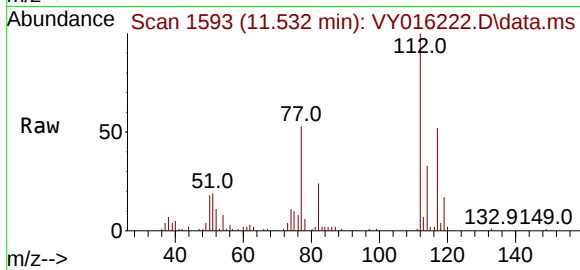
#65
Chlorobenzene
Concen: 3.947 ug/l
RT: 11.532 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

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

Tgt Ion:112 Resp: 1671
Ion Ratio Lower Upper
112 100
114 32.6 25.5 38.3

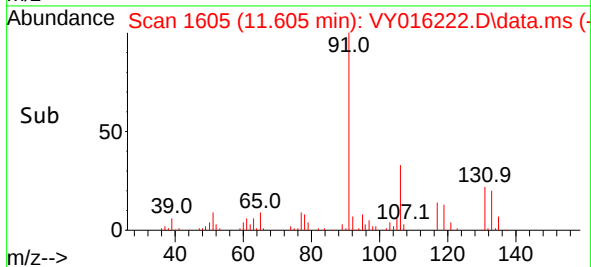
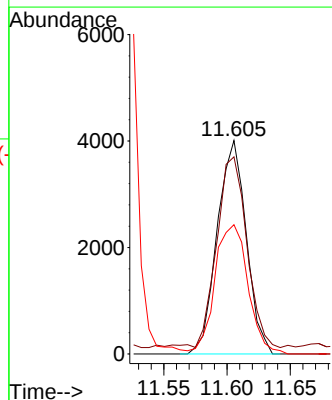
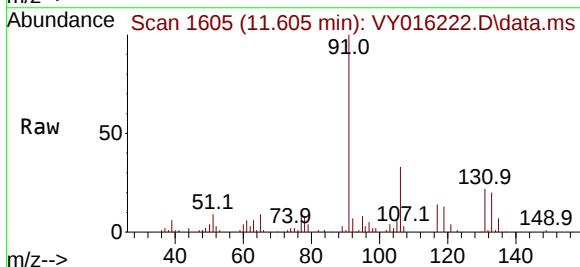
Manual Integrations
APPROVED

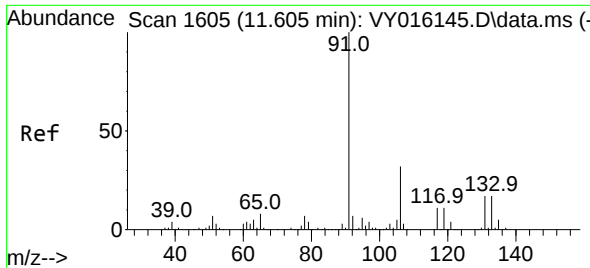
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 4.081 ug/l
RT: 11.605 min Scan# 1605
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

Tgt Ion:131 Resp: 6400
Ion Ratio Lower Upper
131 100
133 93.2 47.5 142.6
119 69.0 31.6 94.7





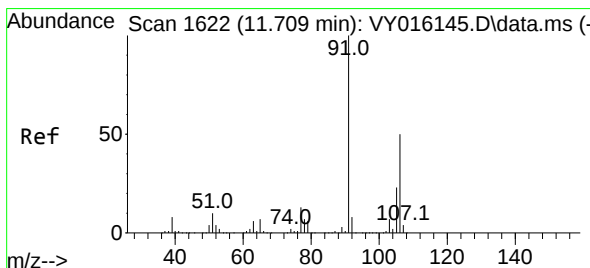
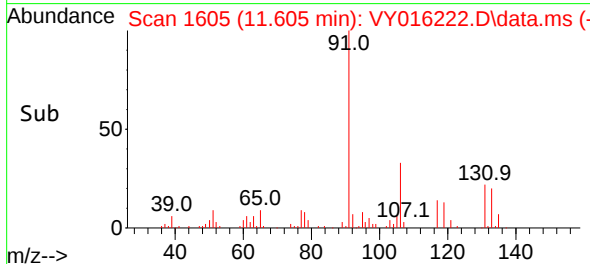
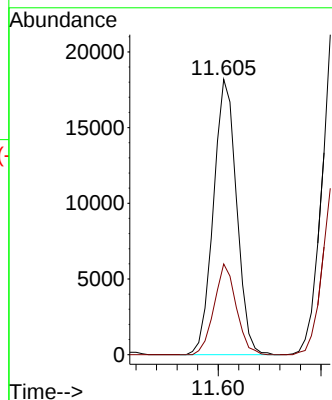
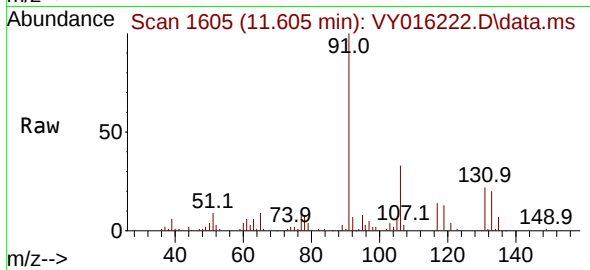
#67
Ethyl Benzene
Concen: 3.757 ug/l
RT: 11.605 min Scan# 1605
Delta R.T. 0.000 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

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

Tgt Ion: 91 Resp: 2845
Ion Ratio Lower Upper
91 100
106 32.9 24.6 36.8

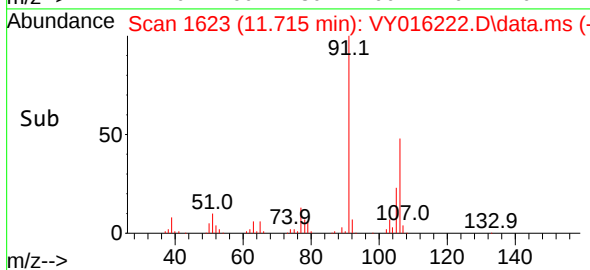
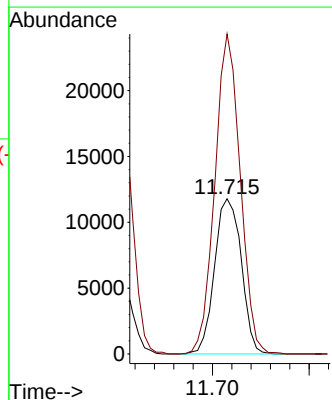
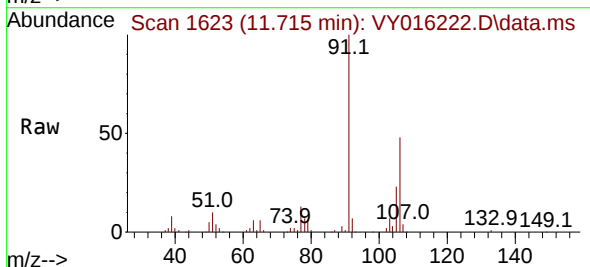
Manual Integrations
APPROVED

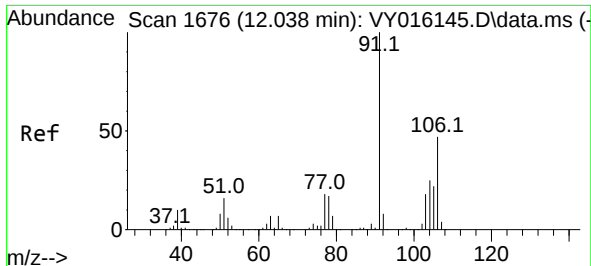
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#68
m/p-Xylenes
Concen: 7.710 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

Tgt Ion:106 Resp: 22564
Ion Ratio Lower Upper
106 100
91 196.3 166.1 249.1





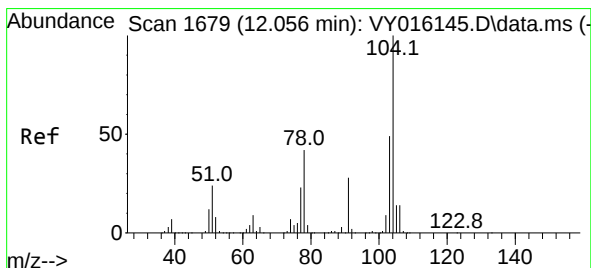
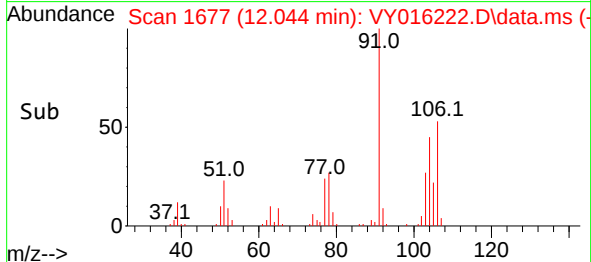
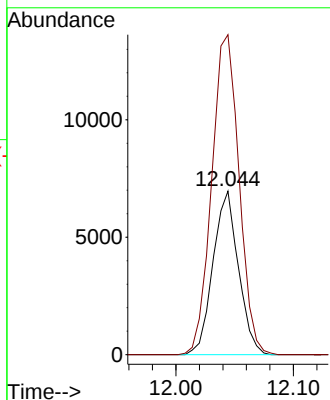
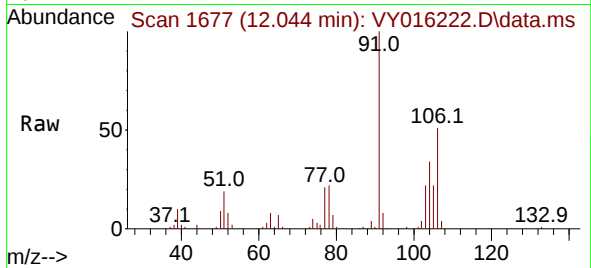
#69
o-Xylene
Concen: 3.743 ug/l
RT: 12.044 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

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

Tgt Ion:106 Resp: 10458
Ion Ratio Lower Upper
106 100
91 210.8 108.1 324.3

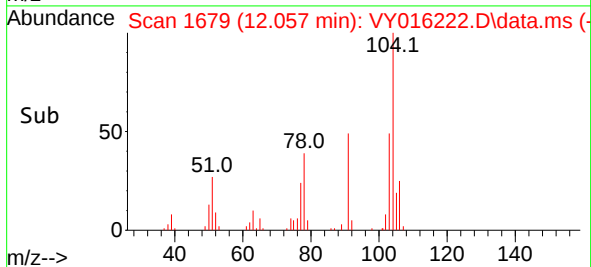
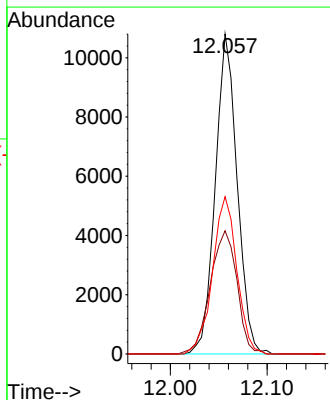
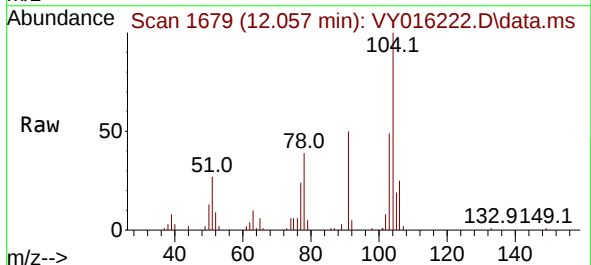
Manual Integrations
APPROVED

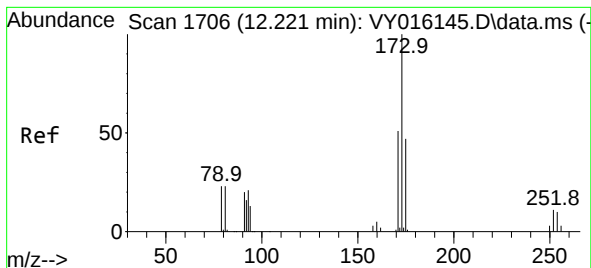
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#70
Styrene
Concen: 3.655 ug/l
RT: 12.057 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

Tgt Ion:104 Resp: 16978
Ion Ratio Lower Upper
104 100
78 46.9 41.5 62.3
103 54.4 44.6 67.0





#71

Bromoform

Concen: 3.961 ug/l

RT: 12.221 min Scan# 1706

Delta R.T. 0.000 min

Lab File: VY016222.D

Acq: 03 Nov 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023

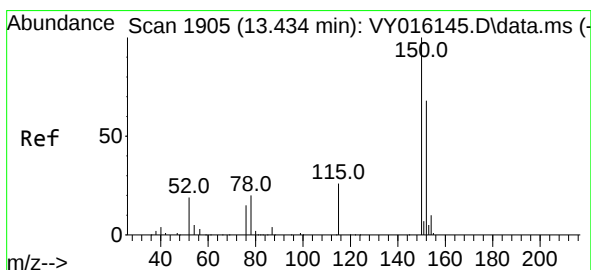
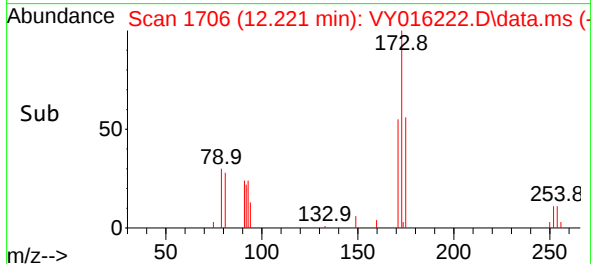
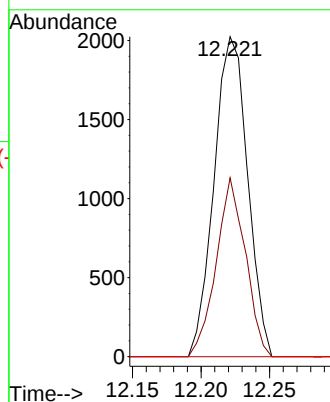
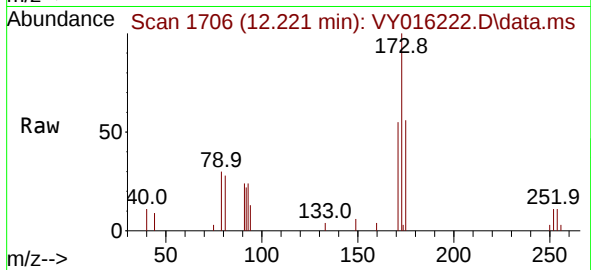
Tgt Ion:	173	Resp:	3440
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.6	73.8
254	0.0	0.2	0.2

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

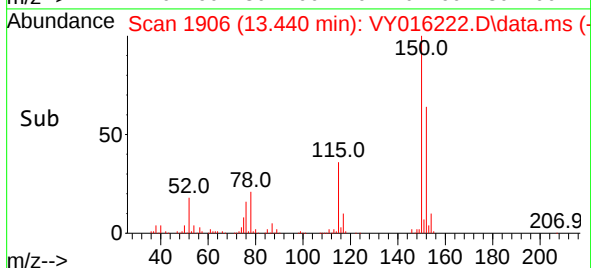
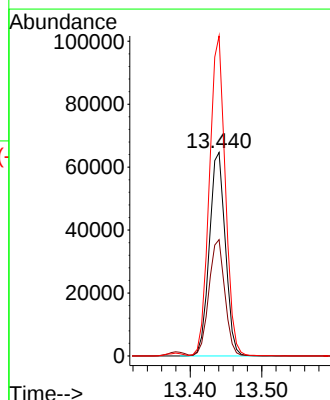
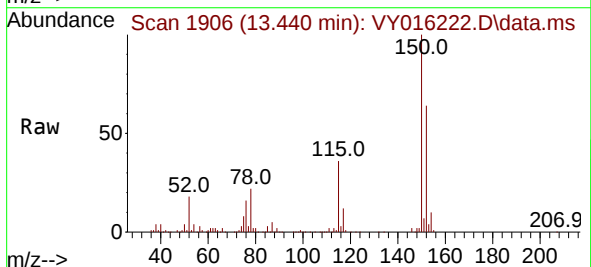
RT: 13.440 min Scan# 1906

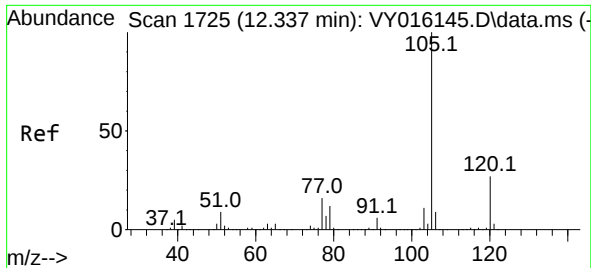
Delta R.T. 0.006 min

Lab File: VY016222.D

Acq: 03 Nov 2023 20:18

Tgt Ion:	152	Resp:	100338
Ion Ratio	Lower	Upper	
152	100		
115	57.0	28.8	86.5
150	156.8	0.0	348.8





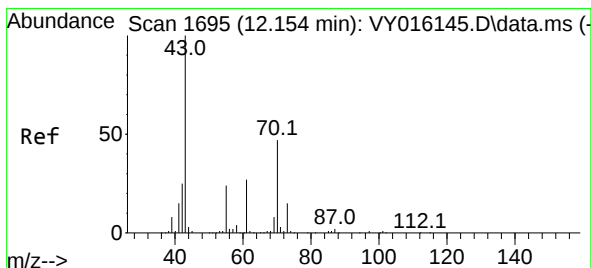
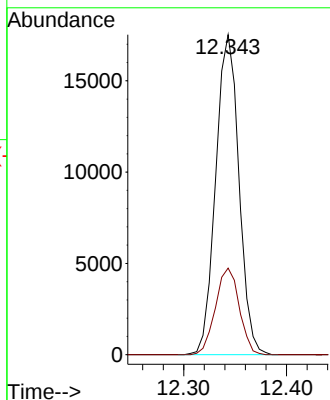
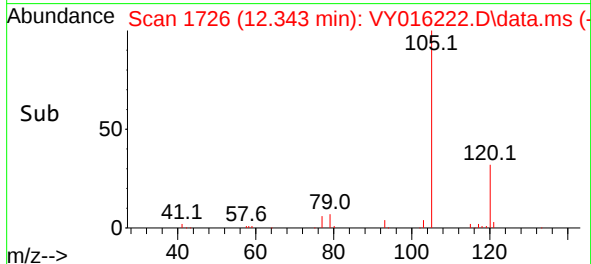
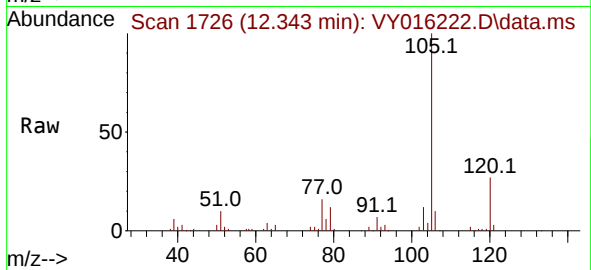
#73
Isopropylbenzene
Concen: 3.648 ug/l
RT: 12.343 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

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

Tgt Ion:105 Resp: 2745
Ion Ratio Lower Upper
105 100
120 27.7 13.3 39.9

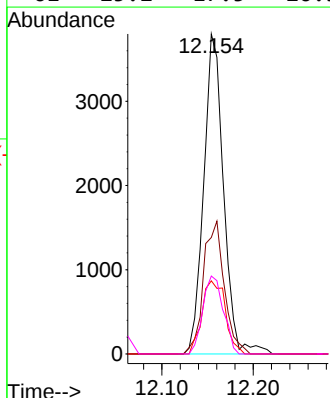
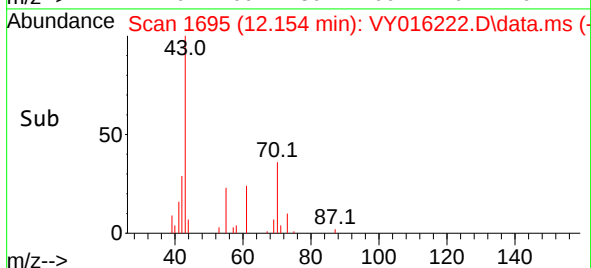
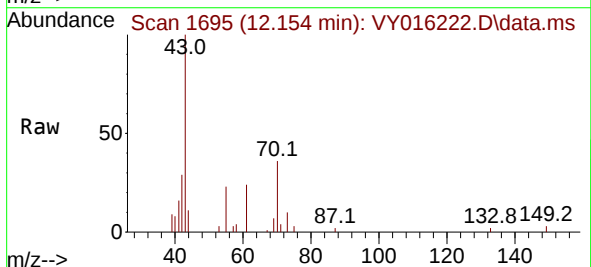
Manual Integrations
APPROVED

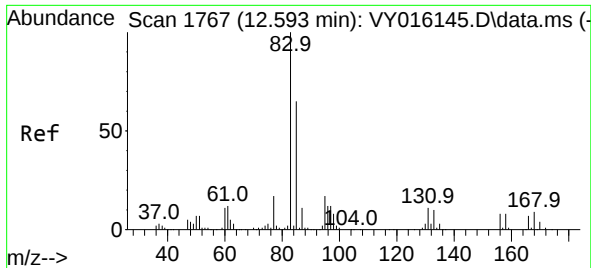
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#74
N-ethyl acetate
Concen: 3.500 ug/l
RT: 12.154 min Scan# 1695
Delta R.T. 0.000 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

Tgt Ion: 43 Resp: 5725
Ion Ratio Lower Upper
43 100
70 43.4 29.7 44.5
55 26.9 18.3 27.5
61 25.2 17.5 26.3





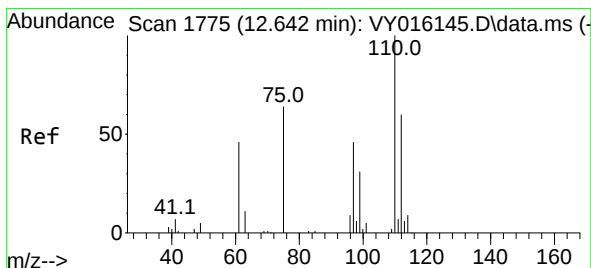
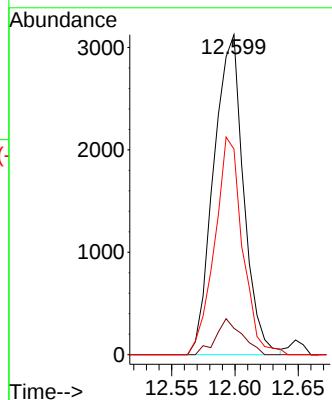
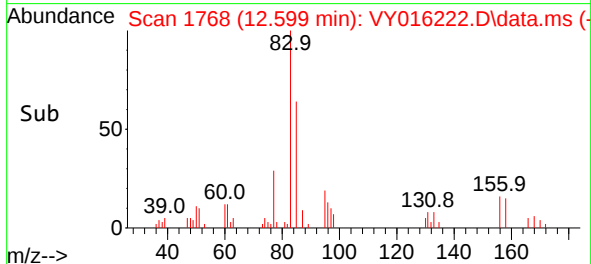
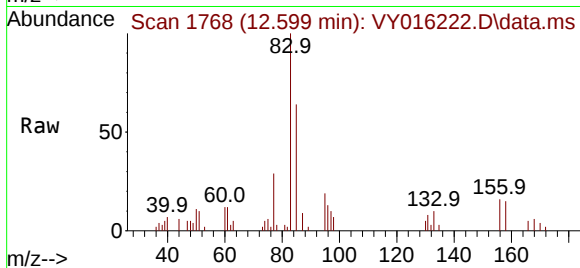
#75
1,1,2,2-Tetrachloroethane
Concen: 4.283 ug/l
RT: 12.599 min Scan# 1767
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

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

Tgt Ion: 83 Resp: 5130
Ion Ratio Lower Upper
83 100
131 9.8 5.4 16.2
85 63.6 31.8 95.4

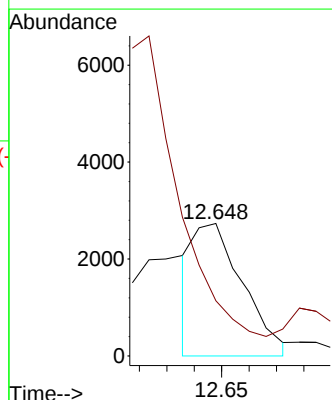
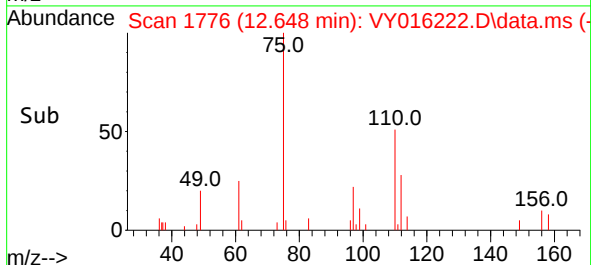
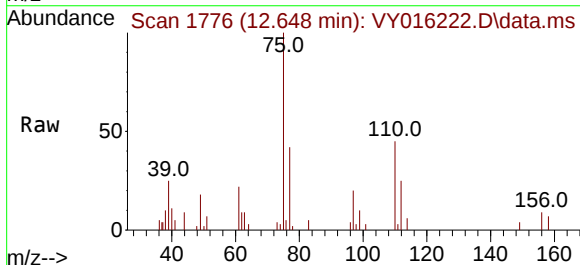
Manual Integrations
APPROVED

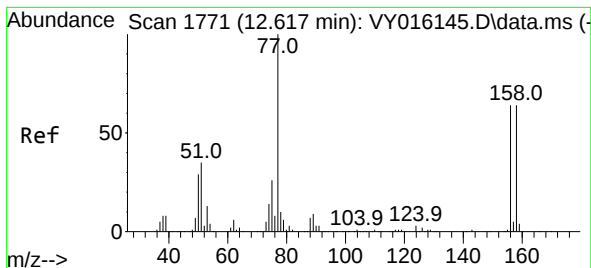
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#76
1,2,3-Trichloropropane
Concen: 3.622 ug/l m
RT: 12.648 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

Tgt Ion: 75 Resp: 3422
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.096 ug/l

RT: 12.624 min Scan# 1771

Delta R.T. 0.006 min

Lab File: VY016222.D

Acq: 03 Nov 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023

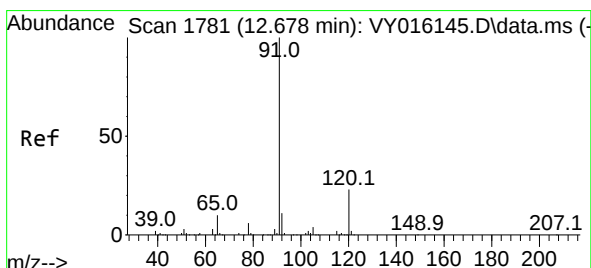
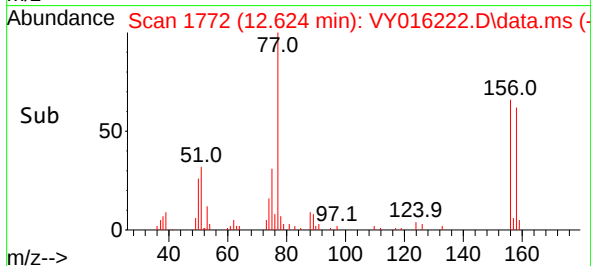
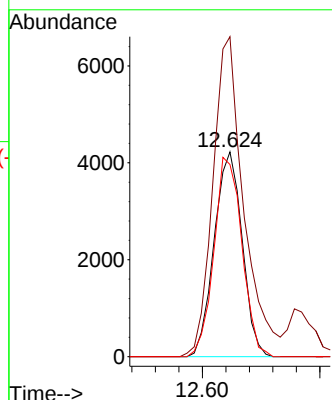
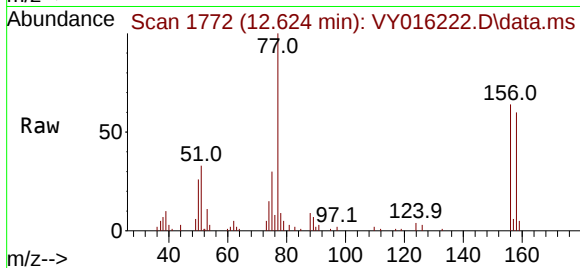
Tgt Ion:	156	Resp:	6980
Ion Ratio	Lower	Upper	
156	100		
77	172.6	92.8	278.6
158	97.5	48.4	145.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#78

n-propylbenzene

Concen: 3.833 ug/l

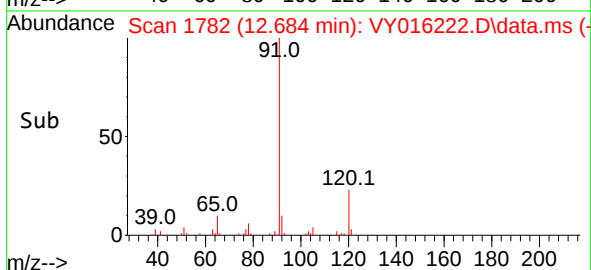
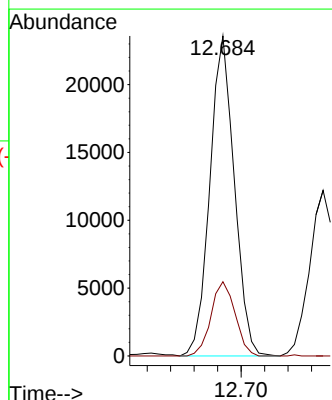
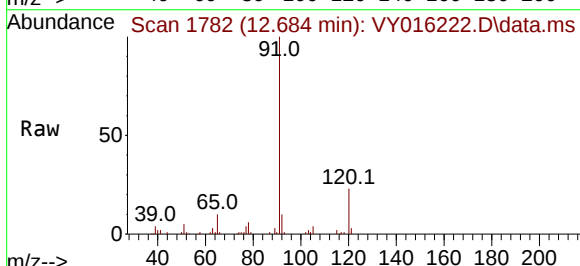
RT: 12.684 min Scan# 1782

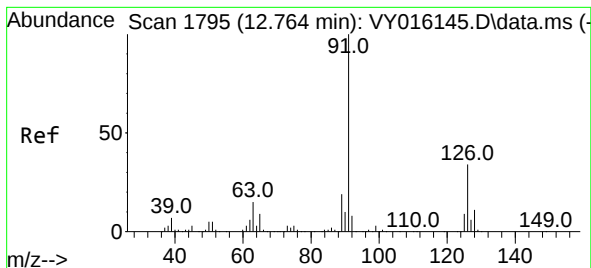
Delta R.T. 0.006 min

Lab File: VY016222.D

Acq: 03 Nov 2023 20:18

Tgt Ion:	91	Resp:	34110
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.5	34.4





#79

2-Chlorotoluene

Concen: 3.816 ug/l

RT: 12.770 min Scan# 1795

Delta R.T. 0.006 min

Lab File: VY016222.D

Acq: 03 Nov 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023

Tgt Ion: 91 Resp: 18939

Ion Ratio Lower Upper

91 100

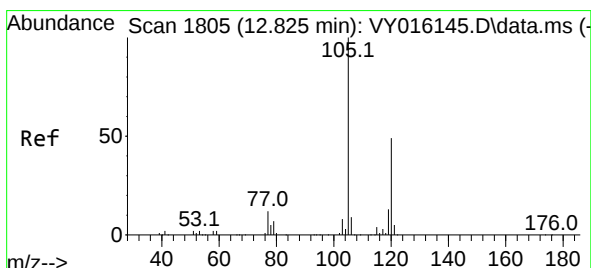
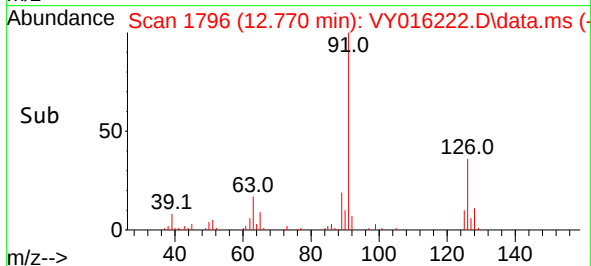
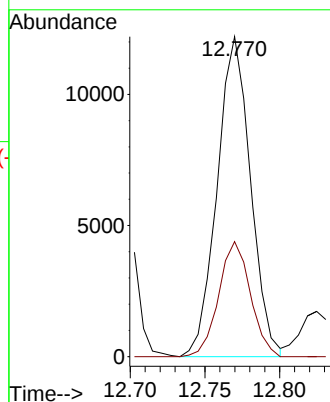
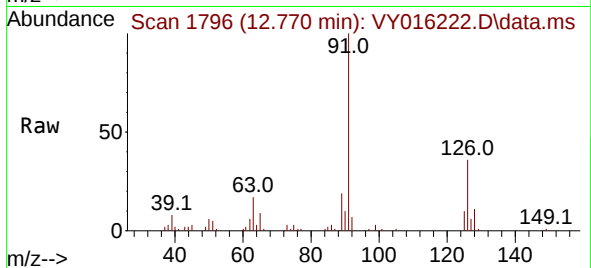
126 34.1 17.3 51.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#80

1,3,5-Trimethylbenzene

Concen: 3.567 ug/l

RT: 12.825 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VY016222.D

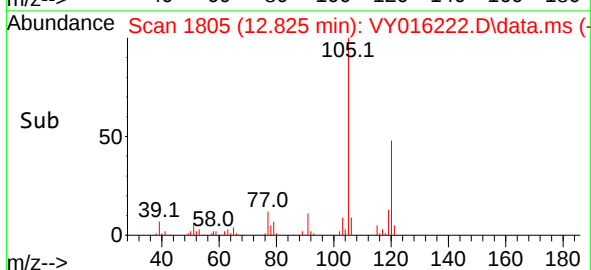
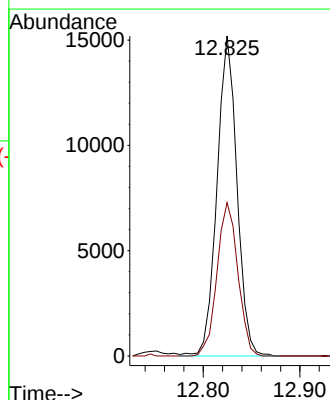
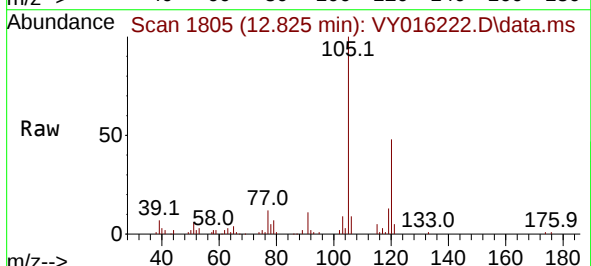
Acq: 03 Nov 2023 20:18

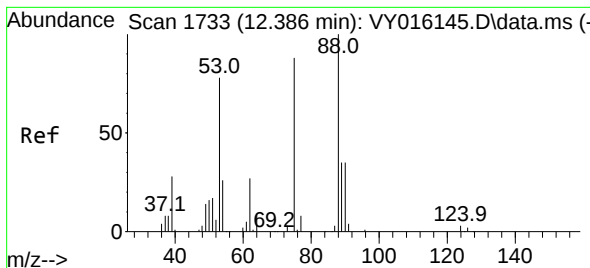
Tgt Ion:105 Resp: 21753

Ion Ratio Lower Upper

105 100

120 50.0 23.9 71.7





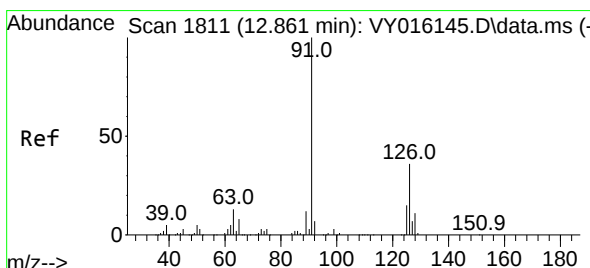
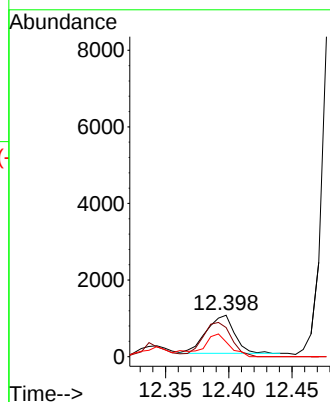
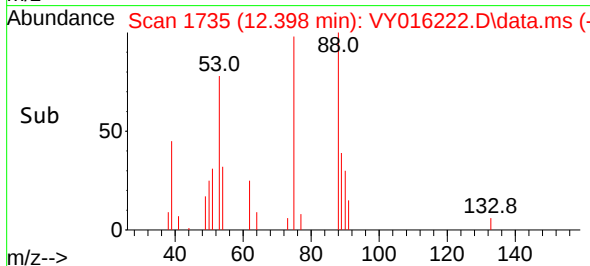
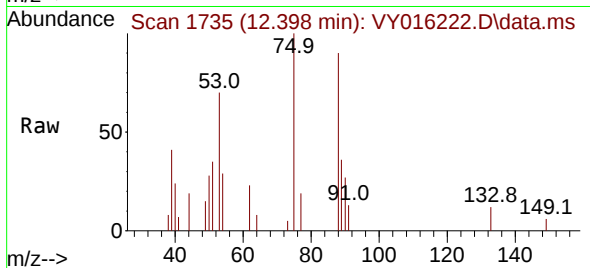
#81
trans-1,4-Dichloro-2-butene
Concen: 3.573 ug/l
RT: 12.398 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

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

Tgt Ion: 75 Resp: 155
Ion Ratio Lower Upper
75 100
53 91.3 77.8 116.8
89 50.6 37.4 56.0

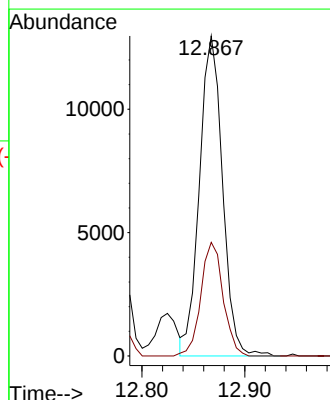
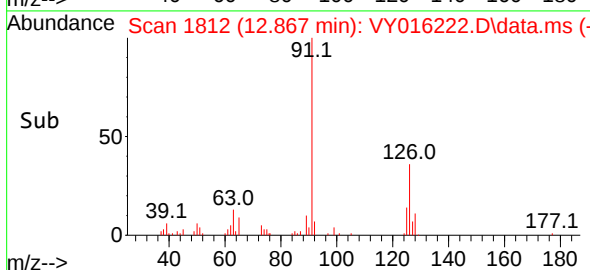
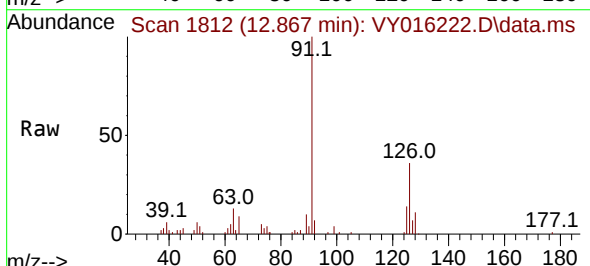
Manual Integrations
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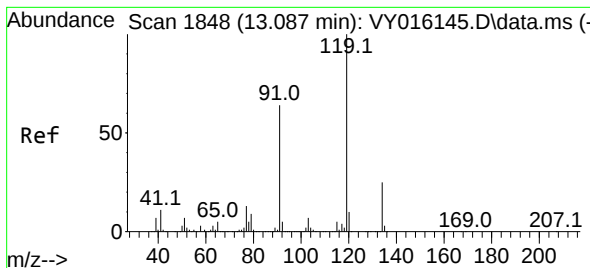
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#82
4-Chlorotoluene
Concen: 3.972 ug/l
RT: 12.867 min Scan# 1812
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

Tgt Ion: 91 Resp: 20245
Ion Ratio Lower Upper
91 100
126 34.3 17.2 51.6





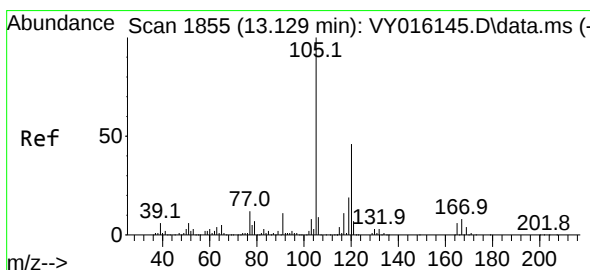
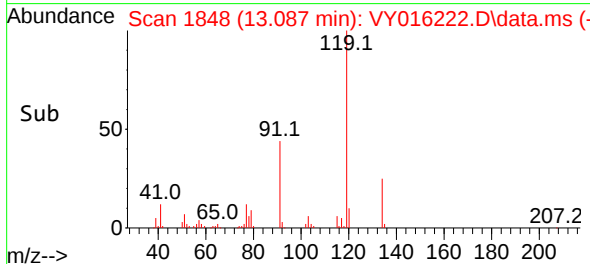
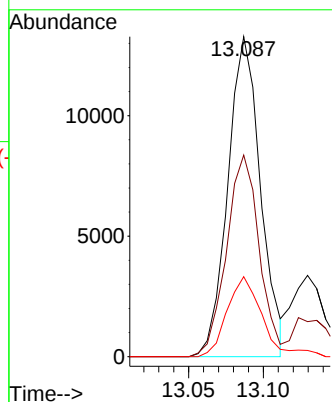
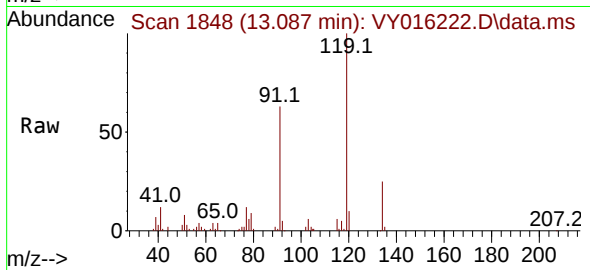
#83
tert-Butylbenzene
Concen: 3.702 ug/l
RT: 13.087 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

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

Tgt Ion:119 Resp: 2019
Ion Ratio Lower Upper
119 100
91 63.0 32.9 98.6
134 26.9 13.0 38.9

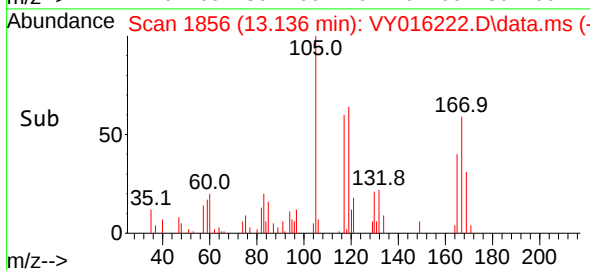
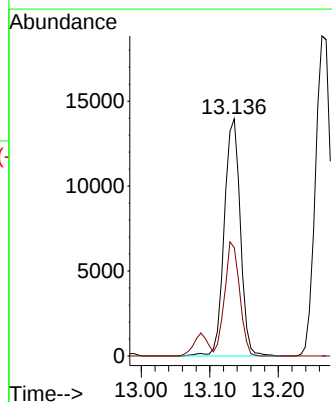
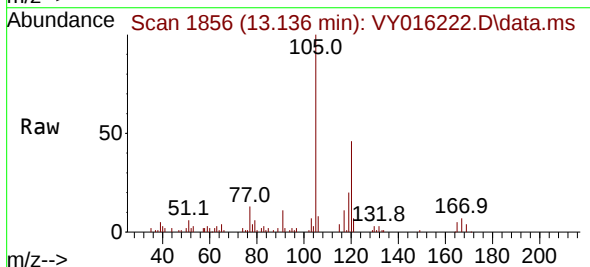
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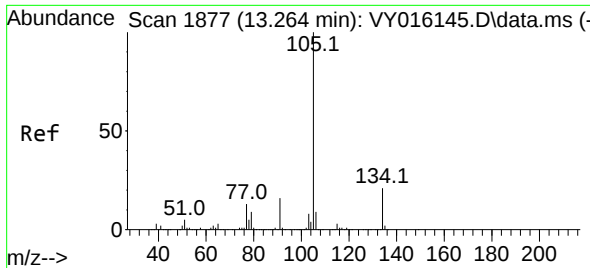
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#84
1,2,4-Trimethylbenzene
Concen: 3.747 ug/l
RT: 13.136 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

Tgt Ion:105 Resp: 22610
Ion Ratio Lower Upper
105 100
120 45.0 22.2 66.6





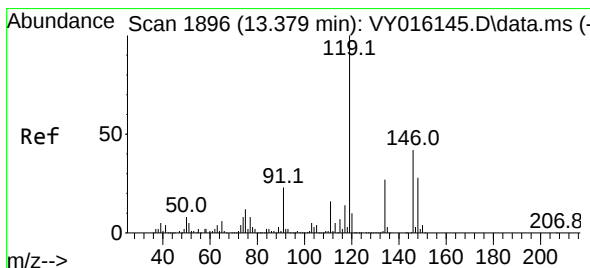
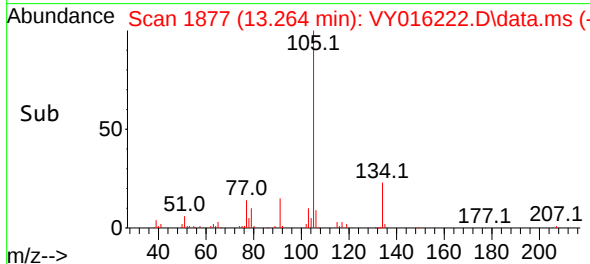
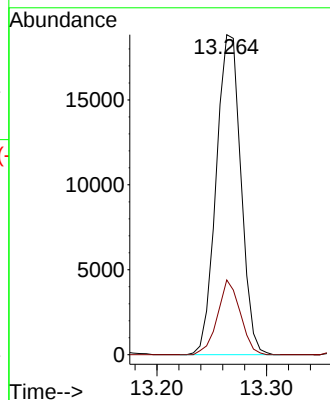
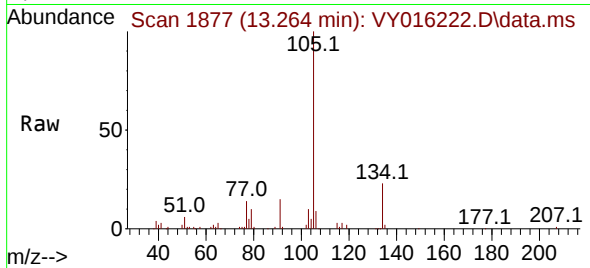
#85
 sec-Butylbenzene
 Concen: 3.683 ug/l
 RT: 13.264 min Scan# 1877
 Delta R.T. 0.000 min
 Lab File: VY016222.D
 Acq: 03 Nov 2023 20:18

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

Tgt Ion:105 Resp: 2949
 Ion Ratio Lower Upper
 105 100
 134 21.5 10.2 30.6

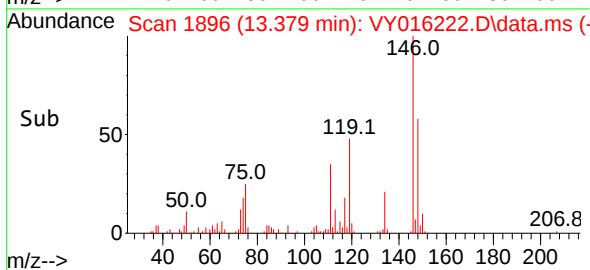
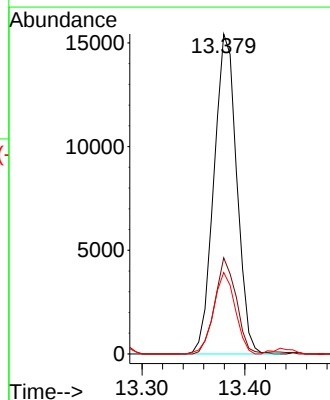
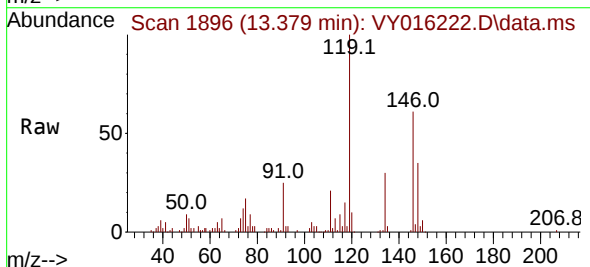
Manual Integrations
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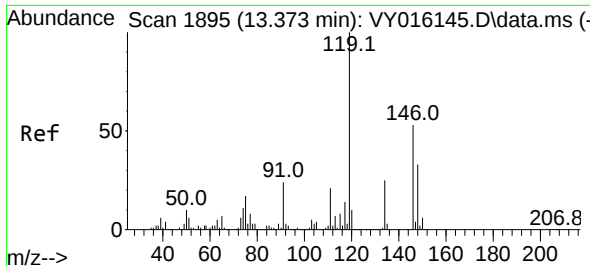
Reviewed By :John Carlone 11/06/2023
 Supervised By :Mahesh Dadoda 11/06/2023



#86
 p-Isopropyltoluene
 Concen: 3.577 ug/l
 RT: 13.379 min Scan# 1896
 Delta R.T. 0.000 min
 Lab File: VY016222.D
 Acq: 03 Nov 2023 20:18

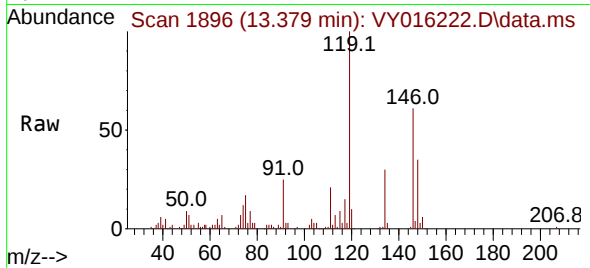
Tgt Ion:119 Resp: 23742
 Ion Ratio Lower Upper
 119 100
 134 28.3 13.3 39.8
 91 24.2 12.4 37.4





#87
1,3-Dichlorobenzene
Concen: 4.084 ug/l
RT: 13.379 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

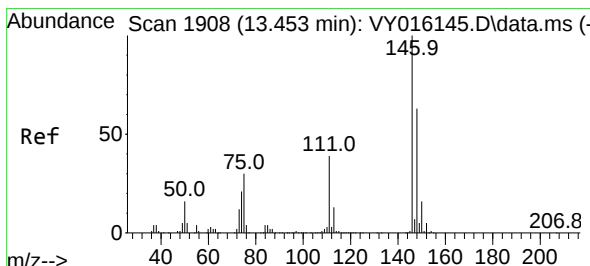
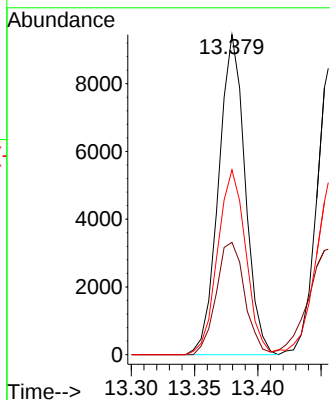
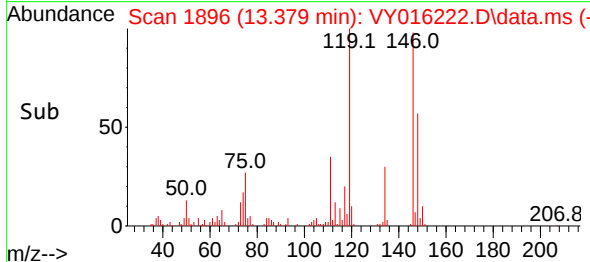
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2023



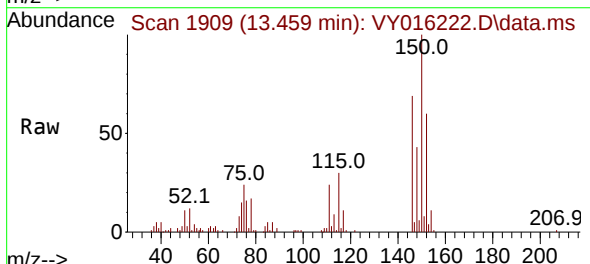
Tgt Ion:146 Resp: 13764
Ion Ratio Lower Upper
146 100
111 37.9 19.4 58.2
148 62.1 31.9 95.5

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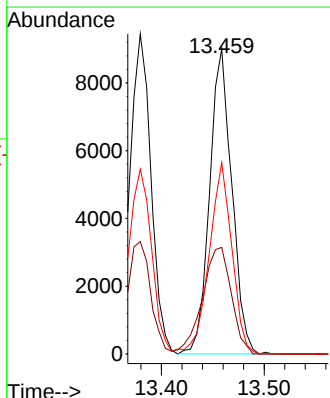
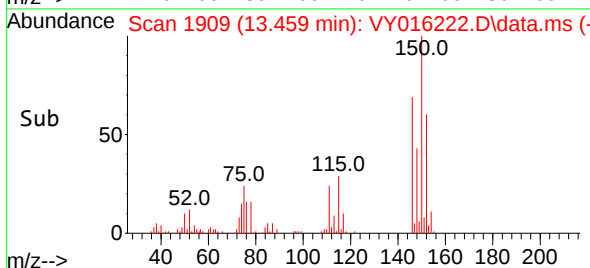
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023

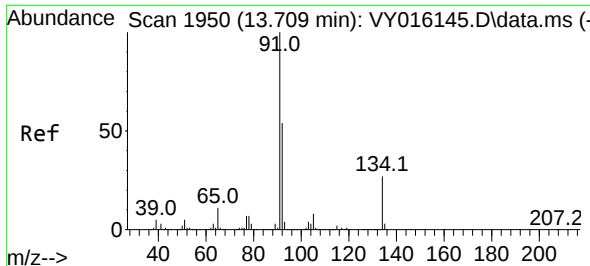


#88
1,4-Dichlorobenzene
Concen: 4.059 ug/l
RT: 13.459 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18



Tgt Ion:146 Resp: 13523
Ion Ratio Lower Upper
146 100
111 45.5 18.9 56.7
148 63.4 32.1 96.5





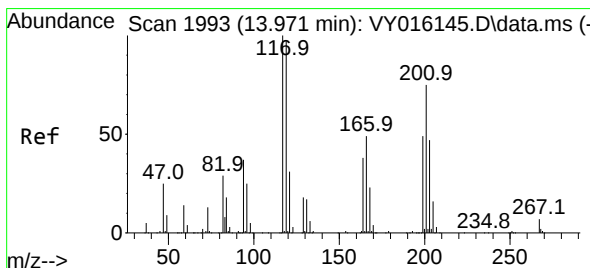
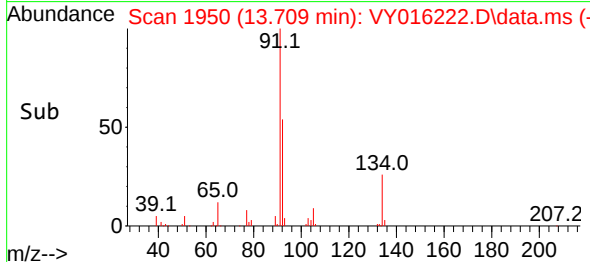
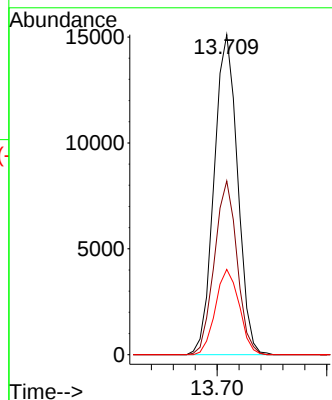
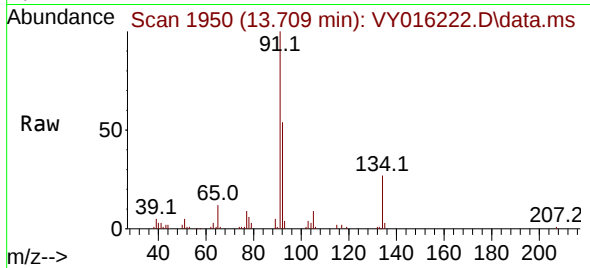
#89
n-Butylbenzene
Concen: 3.686 ug/l
RT: 13.709 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

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

Tgt Ion: 91 Resp: 22470
Ion Ratio Lower Upper
91 100
92 52.6 25.4 76.0
134 27.0 12.6 37.6

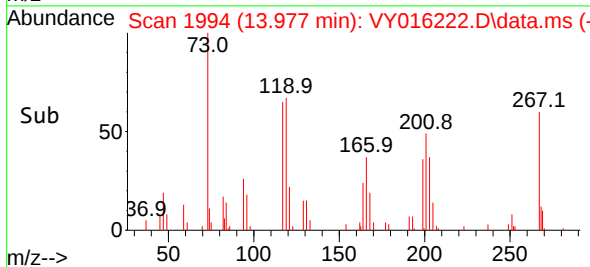
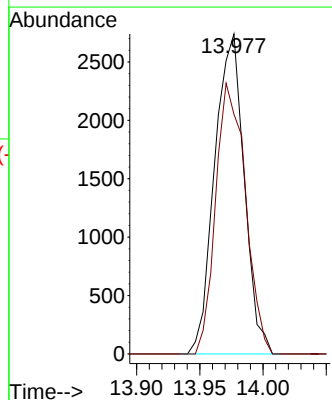
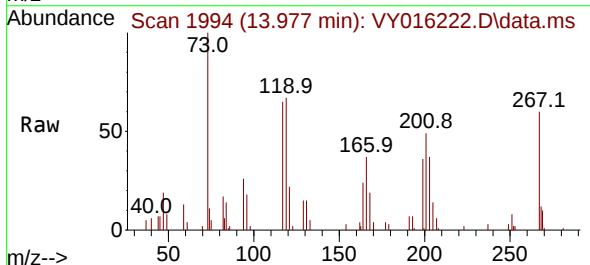
Manual Integrations
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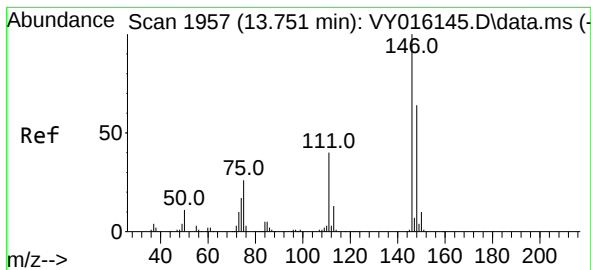
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#90
Hexachloroethane
Concen: 3.885 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

Tgt Ion:117 Resp: 4444
Ion Ratio Lower Upper
117 100
201 85.3 41.6 124.8





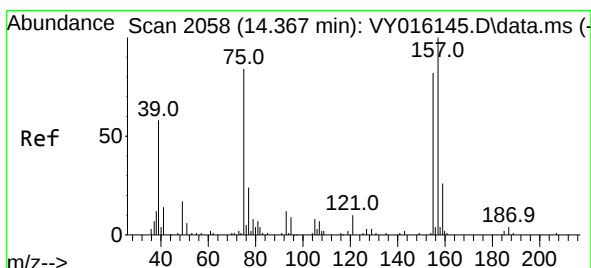
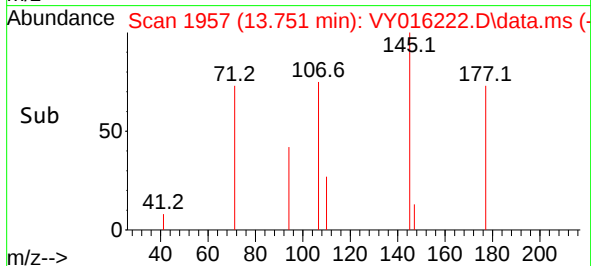
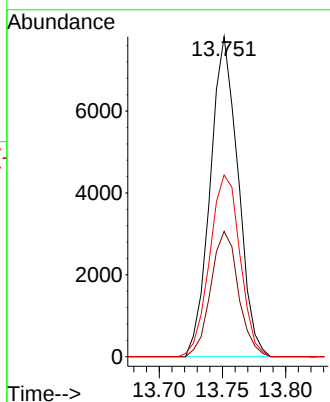
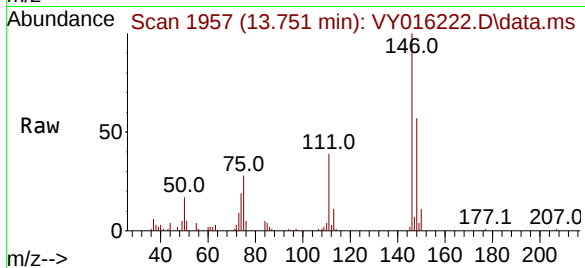
#91
1,2-Dichlorobenzene
Concen: 4.102 ug/l
RT: 13.751 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

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

Tgt Ion:146 Resp: 1194
Ion Ratio Lower Upper
146 100
111 38.9 19.7 59.0
148 61.9 32.0 96.2

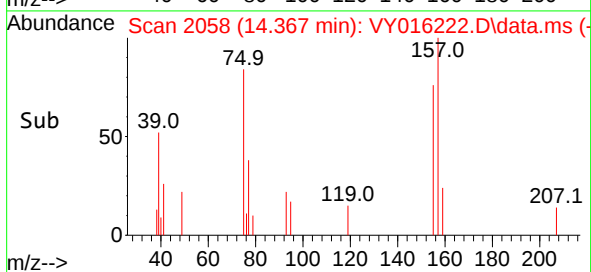
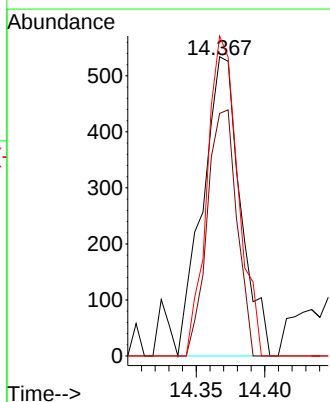
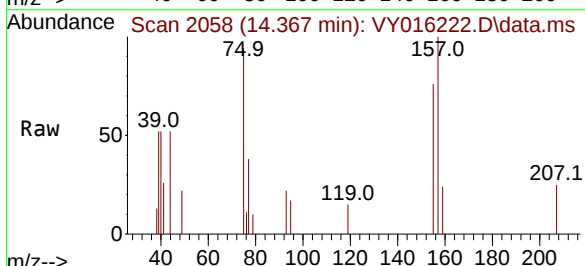
Manual Integrations
APPROVED

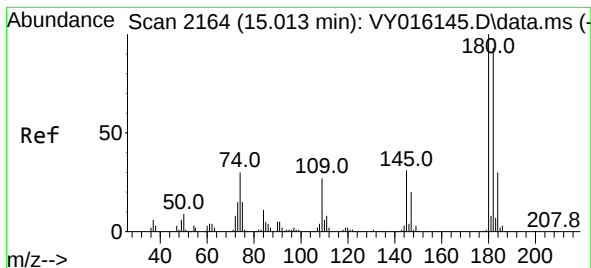
Reviewed By :John Carlone 11/06/2023
Supervised By :Mahesh Dadoda 11/06/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.782 ug/l
RT: 14.367 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY016222.D
Acq: 03 Nov 2023 20:18

Tgt Ion: 75 Resp: 1025
Ion Ratio Lower Upper
75 100
155 64.6 41.5 124.6
157 87.7 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 3.954 ug/l

RT: 15.019 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY016222.D

Acq: 03 Nov 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023

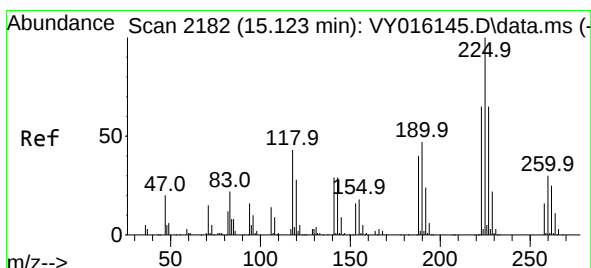
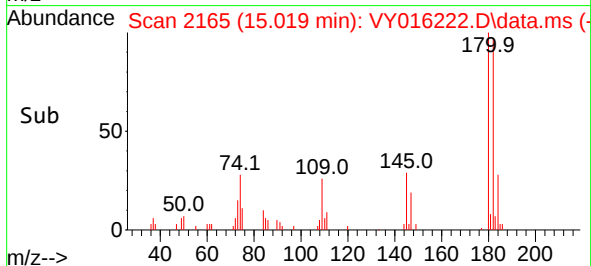
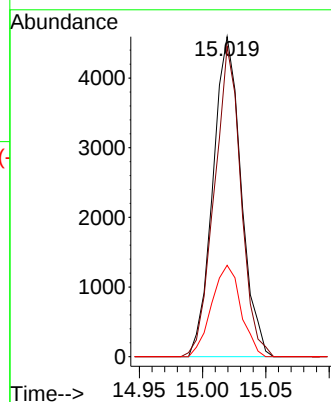
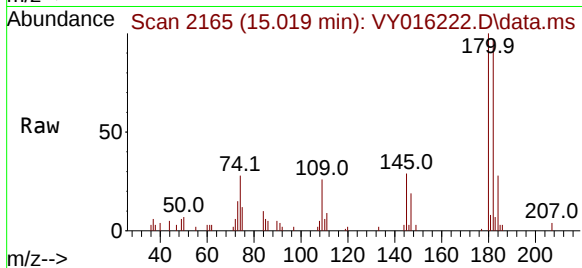
Tgt Ion:180	Resp:	710
Ion Ratio	Lower	Upper
180	100	
182	91.2	47.0 141.2
145	29.6	14.5 43.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#94

Hexachlorobutadiene

Concen: 4.114 ug/l

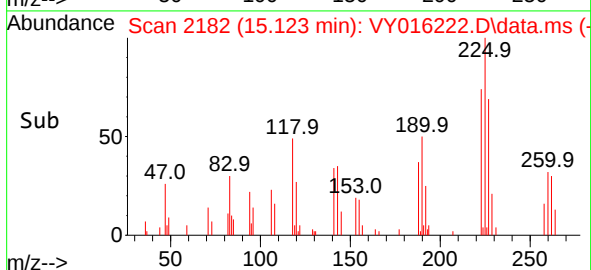
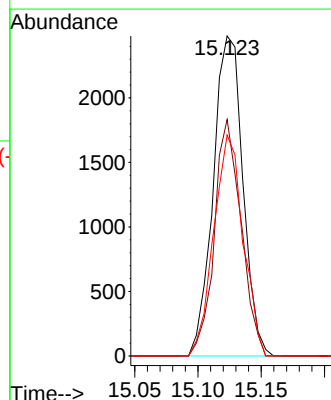
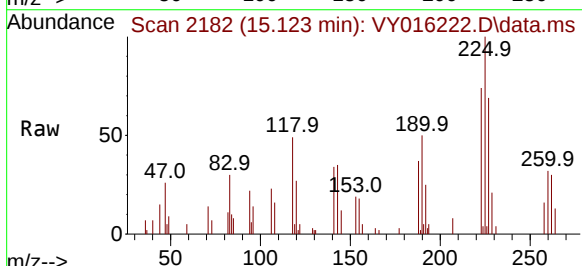
RT: 15.123 min Scan# 2182

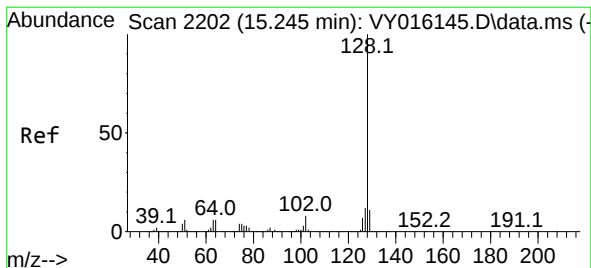
Delta R.T. 0.000 min

Lab File: VY016222.D

Acq: 03 Nov 2023 20:18

Tgt Ion:225	Resp:	4041
Ion Ratio	Lower	Upper
225	100	
223	66.6	31.9 95.9
227	68.3	33.0 98.9





#95

Naphthalene

Concen: 3.578 ug/l

RT: 15.251 min Scan# 2202

Delta R.T. 0.006 min

Lab File: VY016222.D

Acq: 03 Nov 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT4-2023

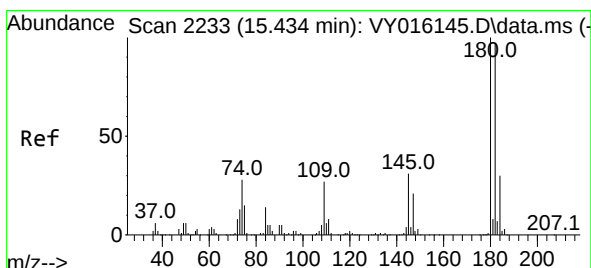
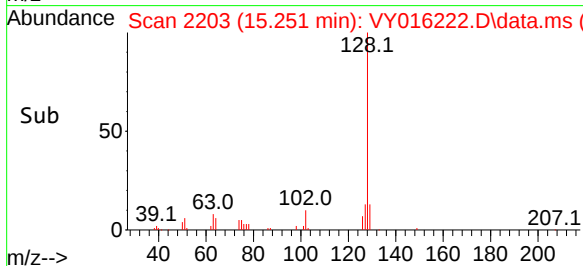
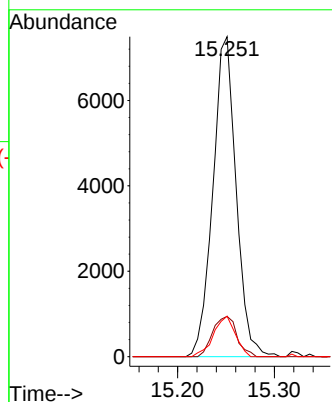
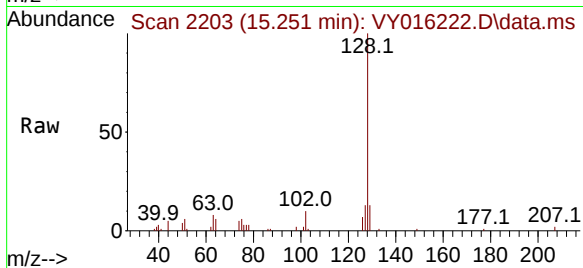
Tgt Ion:	128	Resp:	12494
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.8	16.2
129	11.9	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/06/2023

Supervised By :Mahesh Dadoda 11/06/2023



#96

1,2,3-Trichlorobenzene

Concen: 3.780 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. 0.000 min

Lab File: VY016222.D

Acq: 03 Nov 2023 20:18

Tgt Ion:	180	Resp:	5804
Ion Ratio	Lower	Upper	
180	100		
182	97.2	47.3	141.8
145	32.7	15.4	46.2

