

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041423\
 Data File : VD075678.D
 Acq On : 14 Apr 2023 14:27
 Operator : KP/SY
 Sample : 02213-03 4.0PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2023

Quant Time: Apr 17 02:01:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 17 01:56:34 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/17/2023
 Supervised By : Mahesh Dadoda 04/17/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	186486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	334778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	315774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	144729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	95300	53.838	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.680%			
35) Dibromofluoromethane	7.805	113	114255	50.741	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.480%			
50) Toluene-d8	10.269	98	445295	49.383	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.760%			
62) 4-Bromofluorobenzene	12.575	95	117135	48.873	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	7096	4.095	ug/l	95
3) Chloromethane	2.146	50	14128	4.515	ug/l	96
4) Vinyl Chloride	2.281	62	17366	4.183	ug/l	93
5) Bromomethane	2.687	94	15539	4.793	ug/l	100
6) Chloroethane	2.834	64	12284	4.394	ug/l	95
7) Trichlorofluoromethane	3.170	101	13816	4.295	ug/l	93
8) Diethyl Ether	3.587	74	3973	3.968	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.969	101	8733	4.329	ug/l #	81
10) Methyl Iodide	4.164	142	9919	3.593	ug/l	90
11) Tert butyl alcohol	5.052	59	2378	26.768	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	8990	4.304	ug/l	83
13) Acrolein	3.805	56	3596	20.068	ug/l	99
14) Allyl chloride	4.558	41	7993	4.202	ug/l #	78
15) Acrylonitrile	5.258	53	7637	20.422	ug/l	93
16) Acetone	4.022	43	6904	21.290	ug/l #	74
17) Carbon Disulfide	4.269	76	29350	4.294	ug/l	99
18) Methyl Acetate	4.564	43	5737	5.246	ug/l	97
19) Methyl tert-butyl Ether	5.328	73	15652	3.861	ug/l	96
20) Methylene Chloride	4.787	84	20875	6.994	ug/l #	71
21) trans-1,2-Dichloroethene	5.311	96	9723	3.908	ug/l	84
22) Diisopropyl ether	6.211	45	16550	3.850	ug/l #	82
23) Vinyl Acetate	6.152	43	37962m	19.014	ug/l	
24) 1,1-Dichloroethane	6.105	63	16271	4.568	ug/l	93
25) 2-Butanone	7.075	43	9222	22.087	ug/l #	82
26) 2,2-Dichloropropane	7.075	77	13806	4.275	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	11338	4.114	ug/l	83
28) Bromochloromethane	7.428	49	5007	4.447	ug/l #	50
29) Tetrahydrofuran	7.440	42	4858	21.276	ug/l #	70
30) Chloroform	7.593	83	17002	4.211	ug/l	93
31) Cyclohexane	7.881	56	13474	4.851	ug/l #	68
32) 1,1,1-Trichloroethane	7.793	97	14155	4.299	ug/l	97
36) 1,1-Dichloropropene	8.005	75	12188	3.923	ug/l	92
37) Ethyl Acetate	7.169	43	3747	3.964	ug/l #	90
38) Carbon Tetrachloride	7.987	117	10721	3.919	ug/l	98
39) Methylcyclohexane	9.269	83	12536	3.490	ug/l #	90
40) Benzene	8.246	78	38781	4.016	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	1943m	4.283	ug/l	
42) 1,2-Dichloroethane	8.322	62	10225	4.662	ug/l	90
43) Isopropyl Acetate	8.357	43	6995	4.058	ug/l #	91
44) Trichloroethene	9.022	130	11596	4.243	ug/l	86
45) 1,2-Dichloropropane	9.304	63	8725	4.032	ug/l	95
46) Dibromomethane	9.399	93	5277	3.844	ug/l #	88
47) Bromodichloromethane	9.581	83	12520	3.987	ug/l #	94
48) Methyl methacrylate	9.375	41	2745	3.574	ug/l #	54
49) 1,4-Dioxane	9.381	88	1188	87.218	ug/l #	53
51) 4-Methyl-2-Pentanone	10.157	43	16986	18.481	ug/l #	86
52) Toluene	10.334	92	25365	3.950	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	11055	3.672	ug/l #	88
54) cis-1,3-Dichloropropene	10.016	75	13319	3.724	ug/l #	73
55) 1,1,2-Trichloroethane	10.734	97	7557	3.802	ug/l #	84
56) Ethyl methacrylate	10.599	69	6804	3.478	ug/l #	69
57) 1,3-Dichloropropane	10.881	76	12031	3.987	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	18961	22.569	ug/l #	88
59) 2-Hexanone	10.922	43	10905	16.874	ug/l	77
60) Dibromochloromethane	11.075	129	8457	3.636	ug/l	94
61) 1,2-Dibromoethane	11.181	107	6803	3.588	ug/l	92
64) Tetrachloroethene	10.810	164	8692	3.822	ug/l	91
65) Chlorobenzene	11.604	112	27433	4.056	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.681	131	8651	3.721	ug/l	87
67) Ethyl Benzene	11.687	91	39956	3.640	ug/l	99
68) m/p-Xylenes	11.793	106	31093	6.912	ug/l	95
69) o-Xylene	12.122	106	14420	3.545	ug/l	94
70) Styrene	12.134	104	23902	3.451	ug/l	95
71) Bromoform	12.298	173	4965	4.085	ug/l #	97
73) Isopropylbenzene	12.422	105	34169	3.597	ug/l	92
74) N-amyl acetate	12.234	43	5458	3.910	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.675	83	8515	4.615	ug/l	95
76) 1,2,3-Trichloropropane	12.728	75	4641m	3.932	ug/l	
77) Bromobenzene	12.698	156	9654	3.942	ug/l	96
78) n-propylbenzene	12.763	91	46851	4.024	ug/l	99
79) 2-Chlorotoluene	12.851	91	26114	3.954	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	29226	3.691	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.463	75	2243	4.119	ug/l #	67
82) 4-Chlorotoluene	12.945	91	25805	3.758	ug/l	94
83) tert-Butylbenzene	13.169	119	24013	3.597	ug/l	95
84) 1,2,4-Trimethylbenzene	13.216	105	27260	3.431	ug/l	96
85) sec-Butylbenzene	13.345	105	38506	3.738	ug/l	98
86) p-Isopropyltoluene	13.463	119	29210	3.406	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	20330	3.991	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	20785	4.130	ug/l	95
89) n-Butylbenzene	13.787	91	28832	3.650	ug/l	97
90) Hexachloroethane	14.051	117	7402	4.345	ug/l	92
91) 1,2-Dichlorobenzene	13.834	146	17825	4.085	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1001	4.047	ug/l	89
93) 1,2,4-Trichlorobenzene	15.098	180	8957	3.528	ug/l	98
94) Hexachlorobutadiene	15.204	225	4559	3.757	ug/l	90
95) Naphthalene	15.334	128	16943	3.523	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	8237	3.686	ug/l	96

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MDL-SOIL-03-QT2-2023

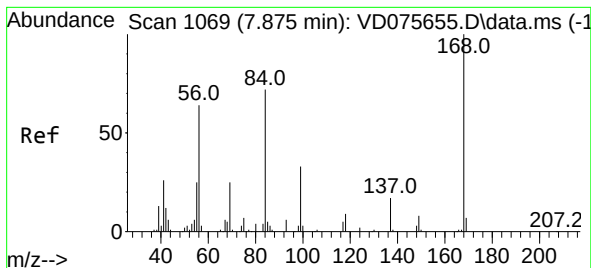
Manual Integrations
APPROVED

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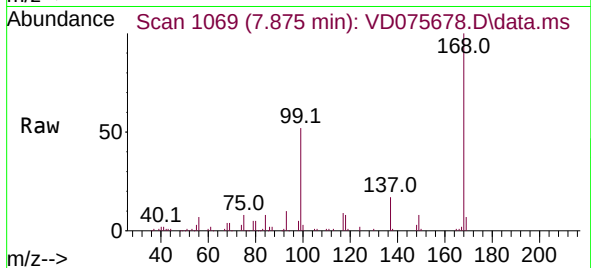
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
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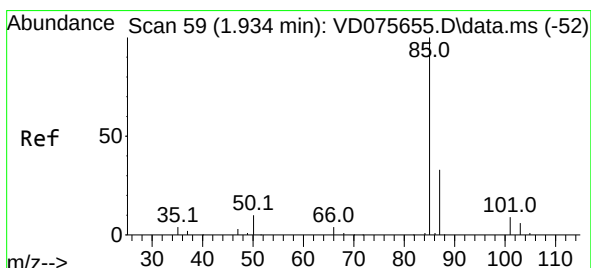
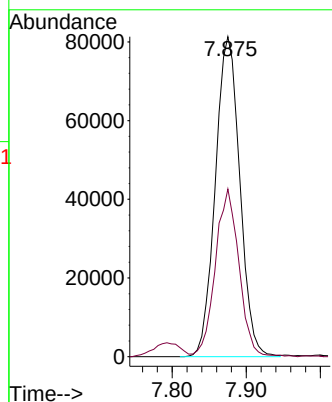
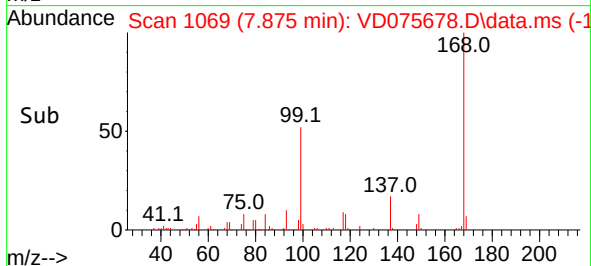
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:168 Resp: 186480
Ion Ratio Lower Upper
168 100
99 51.9 43.8 65.6

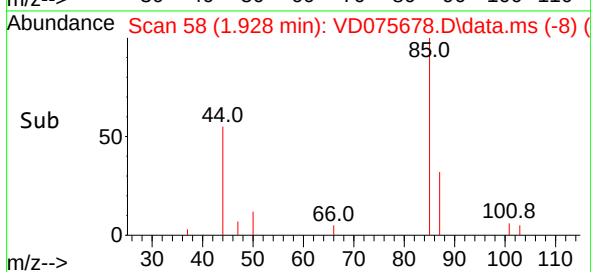
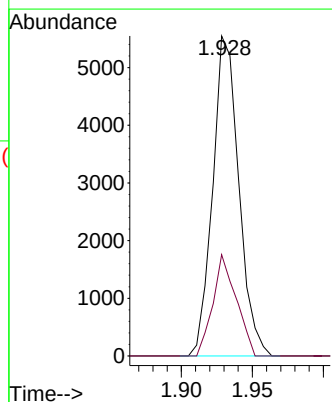
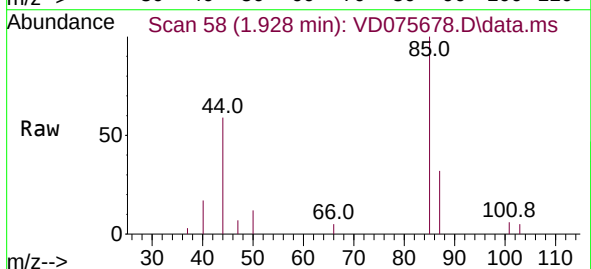
Manual Integrations
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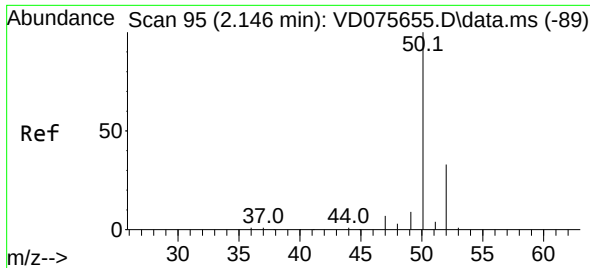
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#2
Dichlorodifluoromethane
Concen: 4.095 ug/l
RT: 1.928 min Scan# 58
Delta R.T. -0.006 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

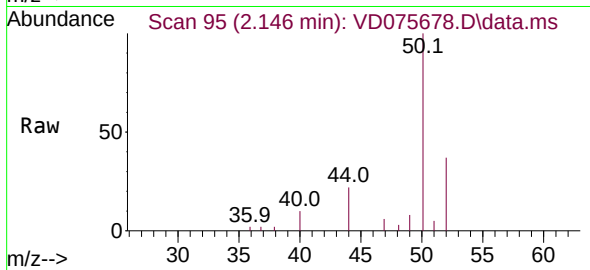
Tgt Ion: 85 Resp: 7096
Ion Ratio Lower Upper
85 100
87 31.7 17.3 51.7





#3
Chloromethane
Concen: 4.515 ug/l
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

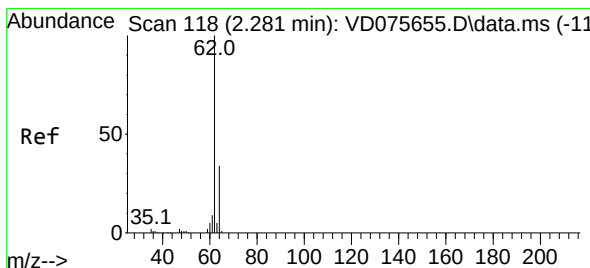
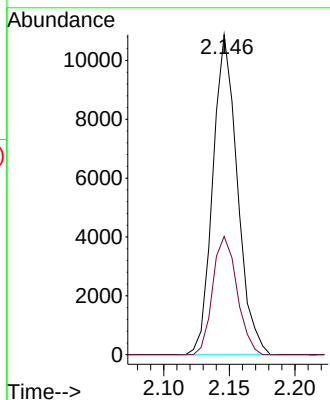
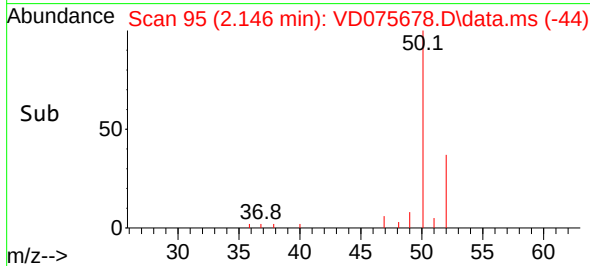
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Tgt Ion: 50 Resp: 14128
Ion Ratio Lower Upper
50 100
52 37.0 27.8 41.8

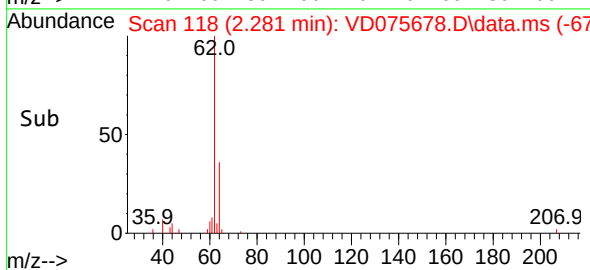
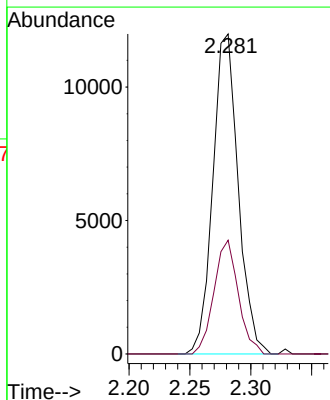
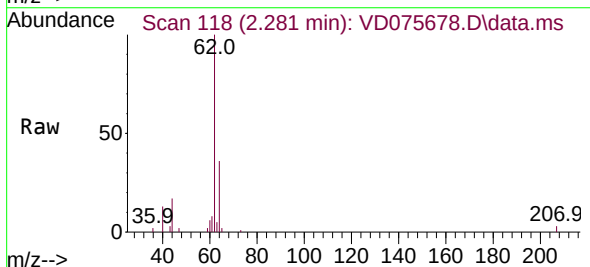
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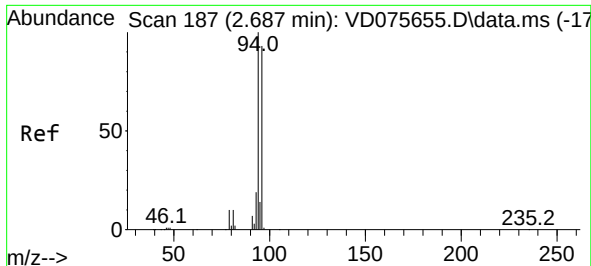
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#4
Vinyl Chloride
Concen: 4.183 ug/l
RT: 2.281 min Scan# 118
Delta R.T. 0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

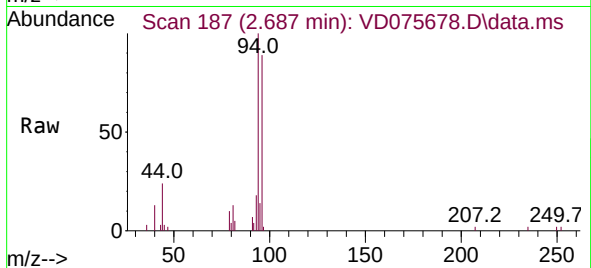
Tgt Ion: 62 Resp: 17366
Ion Ratio Lower Upper
62 100
64 35.5 25.4 38.0





#5
Bromomethane
Concen: 4.793 ug/l
RT: 2.687 min Scan# 187
Delta R.T. 0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

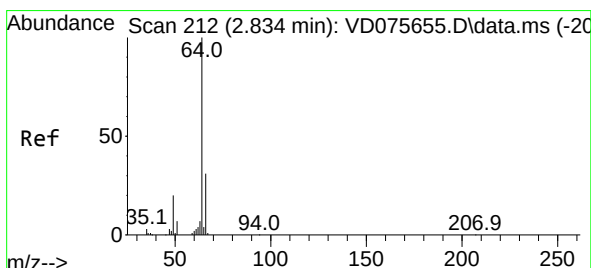
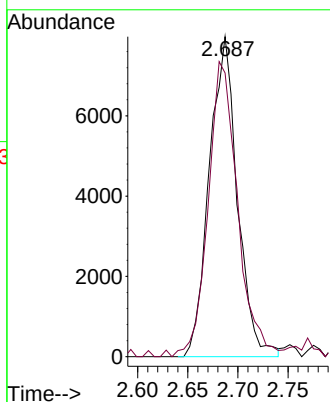
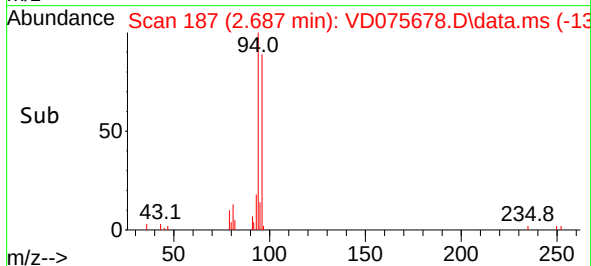
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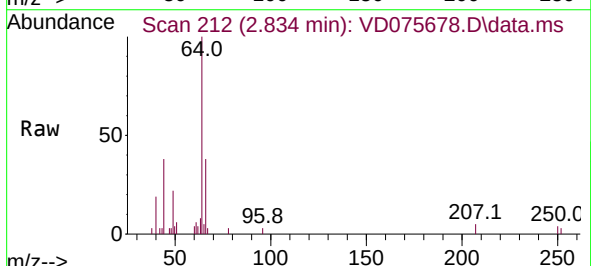
Tgt Ion: 94 Resp: 15539
Ion Ratio Lower Upper
94 100
96 96.9 77.5 116.3

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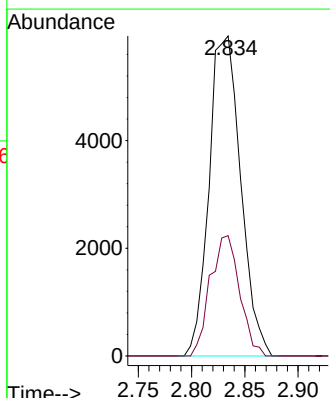
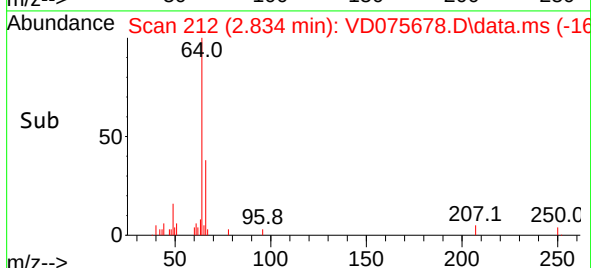
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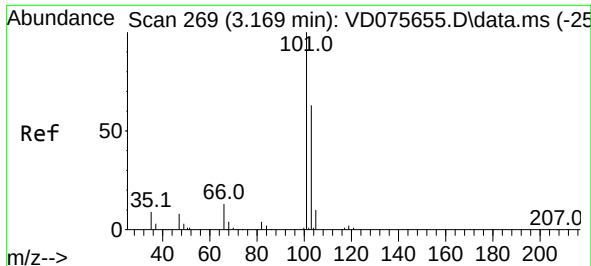


#6
Chloroethane
Concen: 4.394 ug/l
RT: 2.834 min Scan# 212
Delta R.T. 0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27



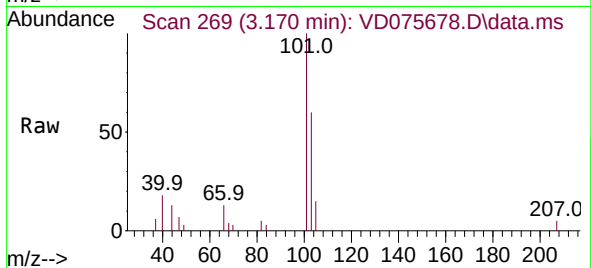
Tgt Ion: 64 Resp: 12284
Ion Ratio Lower Upper
64 100
66 37.6 27.7 41.5





#7
 Trichlorofluoromethane
 Concen: 4.295 ug/l
 RT: 3.170 min Scan# 20
 Delta R.T. 0.001 min
 Lab File: VD075678.D
 Acq: 14 Apr 2023 14:27

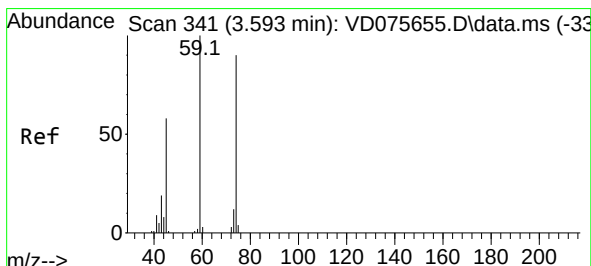
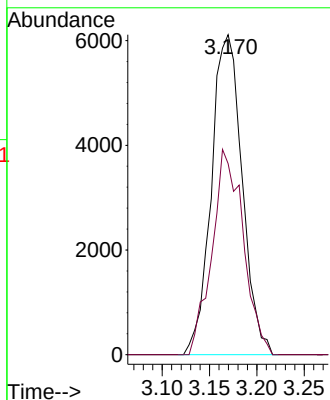
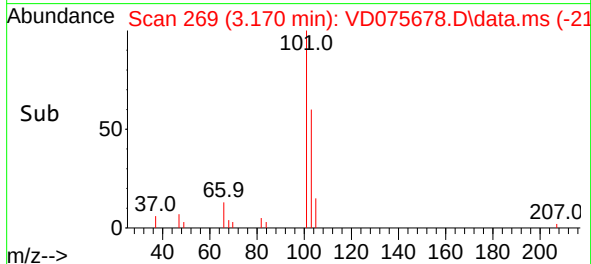
Instrument :
 MSVOA_D
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 MDL-SOIL-03-QT2-2023



Tgt Ion: 101 Resp: 13810
 Ion Ratio Lower Upper
 101 100
 103 59.7 51.9 77.9

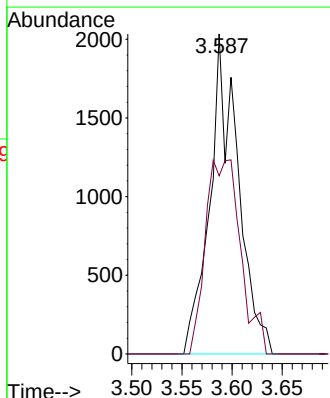
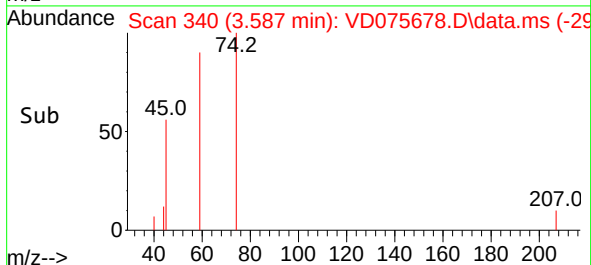
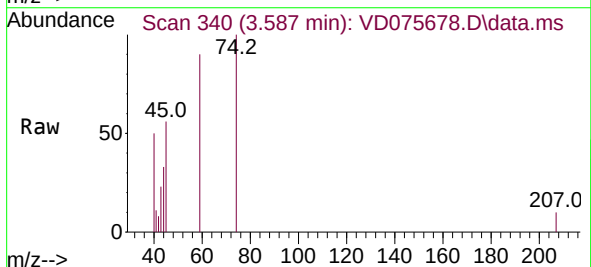
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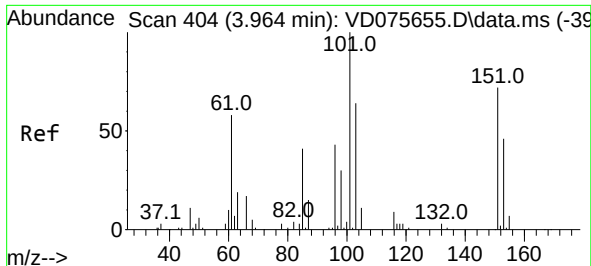
Reviewed By : John Carlone 04/17/2023
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#8
 Diethyl Ether
 Concen: 3.968 ug/l
 RT: 3.587 min Scan# 340
 Delta R.T. -0.006 min
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Tgt Ion: 74 Resp: 3973
 Ion Ratio Lower Upper
 74 100
 45 75.8 50.9 152.7





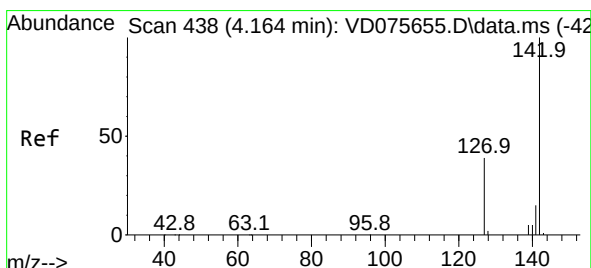
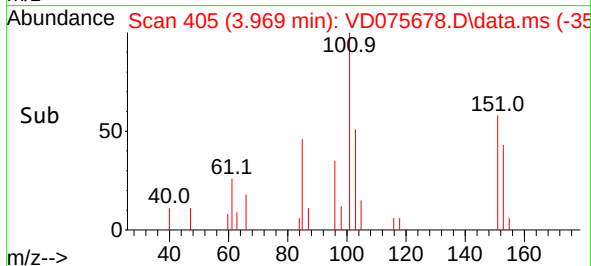
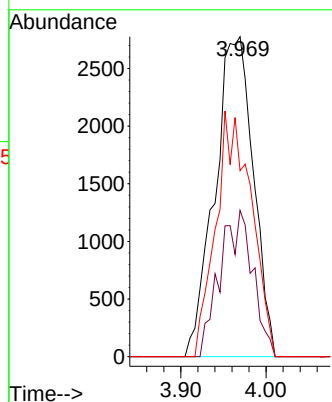
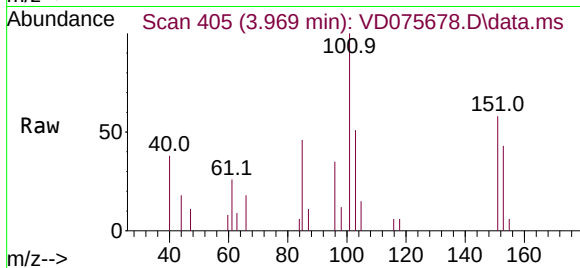
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.329 ug/l
RT: 3.969 min Scan# 405
Delta R.T. 0.005 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:101 Resp: 873
Ion Ratio Lower Upper
101 100
85 20.4 38.3 57.5
151 70.5 60.4 90.6

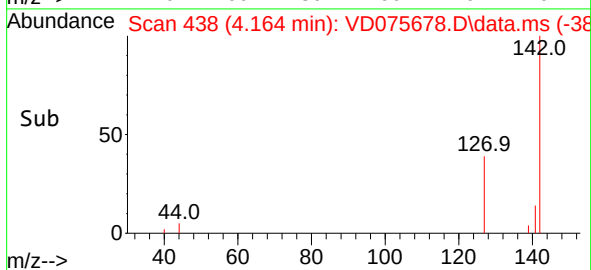
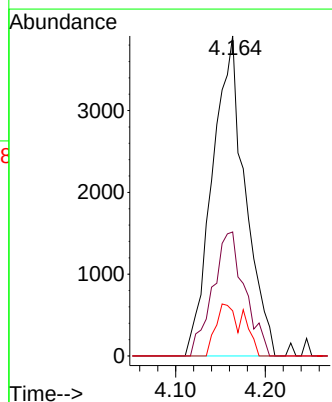
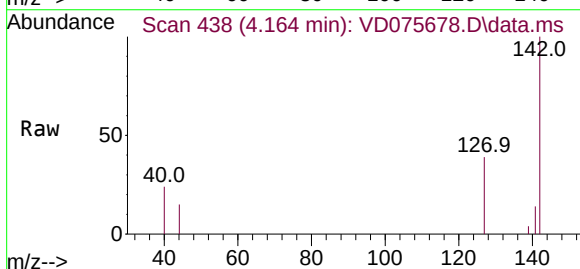
Manual Integrations
APPROVED

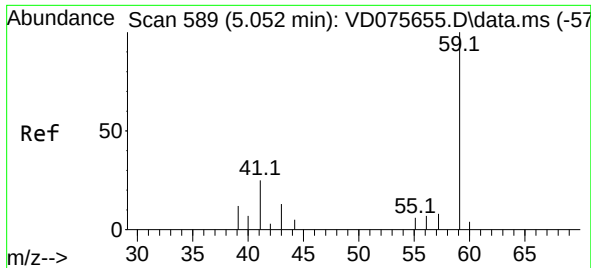
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#10
Methyl Iodide
Concen: 3.593 ug/l
RT: 4.164 min Scan# 438
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

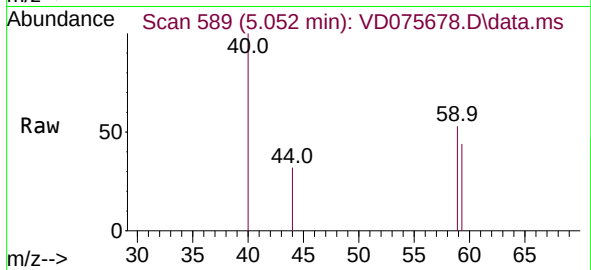
Tgt Ion:142 Resp: 9919
Ion Ratio Lower Upper
142 100
127 38.0 37.1 55.7
141 13.6 11.3 16.9





#11
Tert butyl alcohol
Concen: 26.768 ug/l
RT: 5.052 min Scan# 589
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

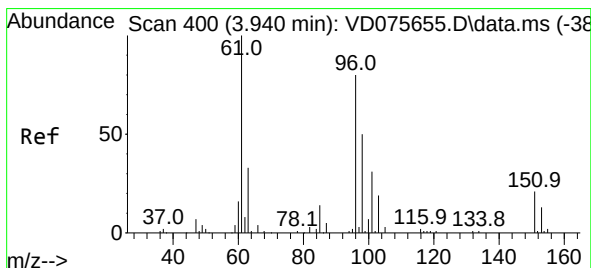
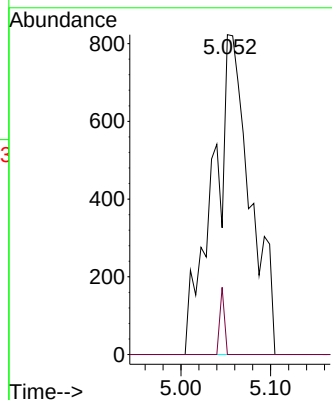
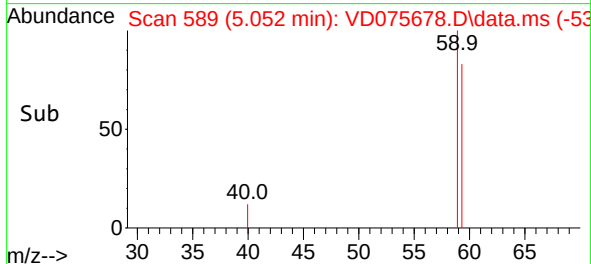
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



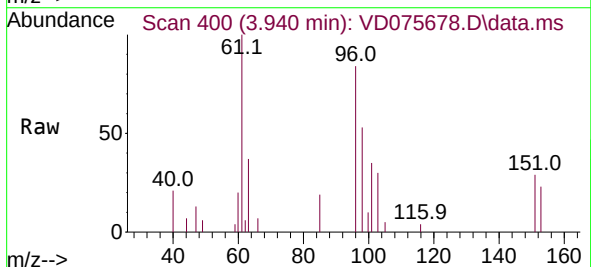
Tgt Ion: 59 Resp: 2378
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

Manual Integrations
APPROVED

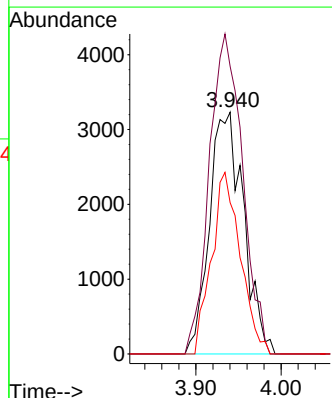
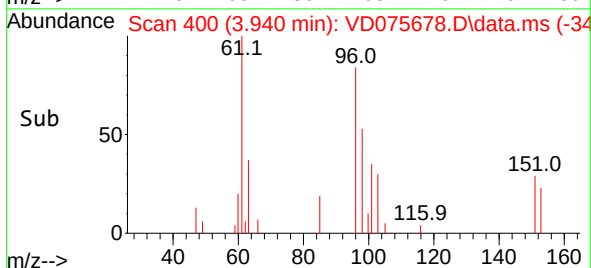
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023

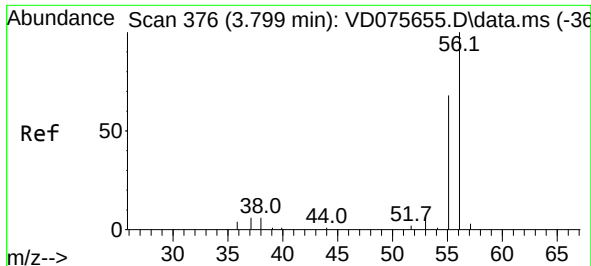


#12
1,1-Dichloroethene
Concen: 4.304 ug/l
RT: 3.940 min Scan# 400
Delta R.T. 0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27



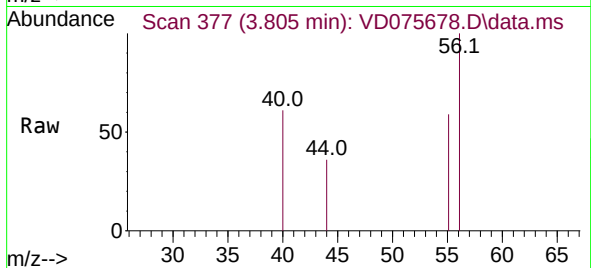
Tgt Ion: 96 Resp: 8990
Ion Ratio Lower Upper
96 100
61 119.0 118.6 177.8
98 62.6 49.7 74.5





#13
Acrolein
Concen: 20.068 ug/l
RT: 3.805 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

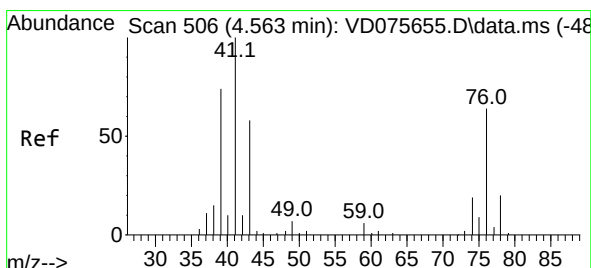
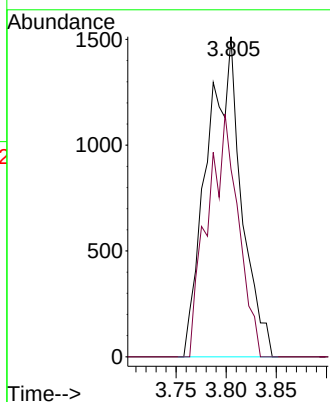
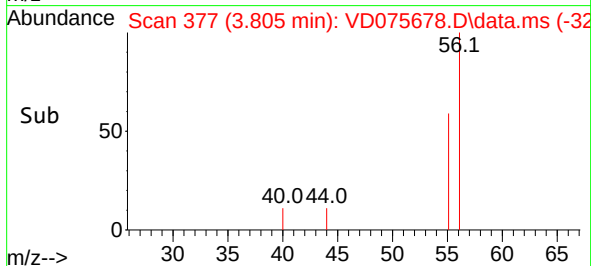
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 56 Resp: 3590
Ion Ratio Lower Upper
56 100
55 68.2 53.9 80.9

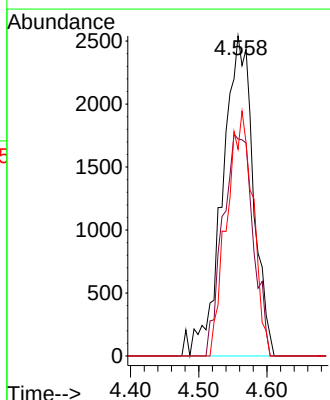
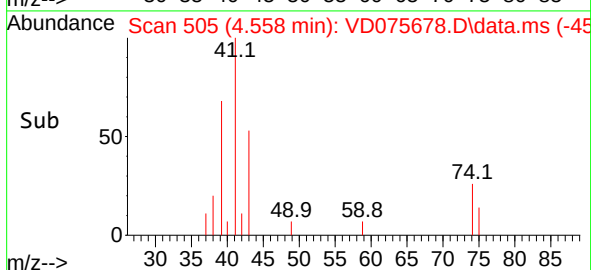
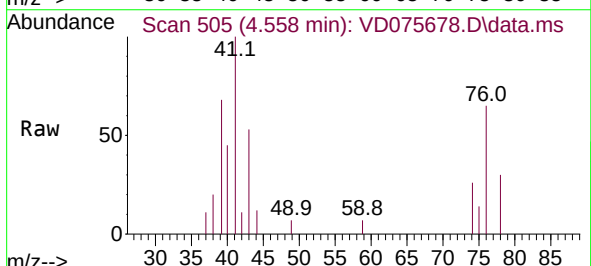
Manual Integrations
APPROVED

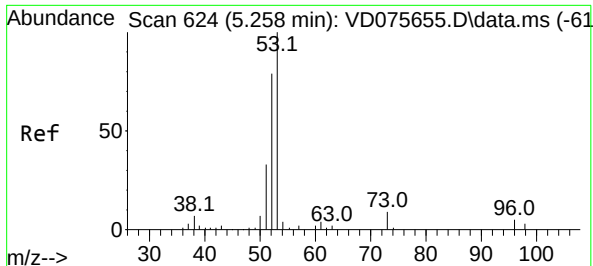
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#14
Allyl chloride
Concen: 4.202 ug/l
RT: 4.558 min Scan# 505
Delta R.T. -0.005 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

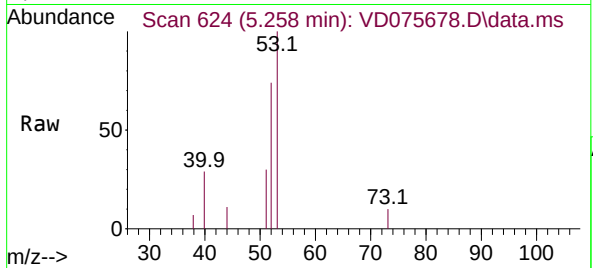
Tgt Ion: 41 Resp: 7993
Ion Ratio Lower Upper
41 100
39 67.9 60.6 90.8
76 65.0 28.6 43.0#





#15
Acrylonitrile
Concen: 20.422 ug/l
RT: 5.258 min Scan# 61
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

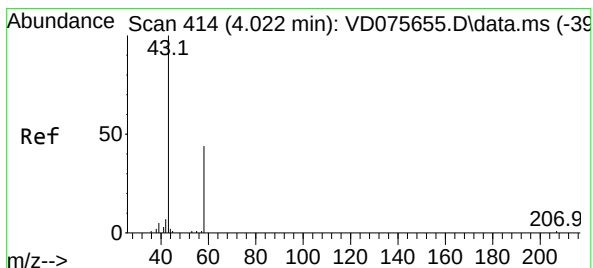
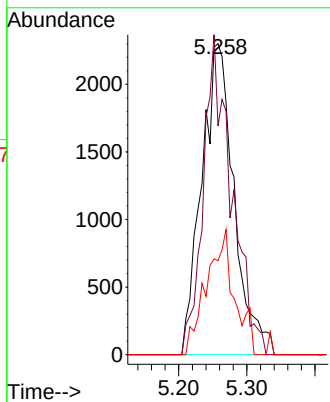
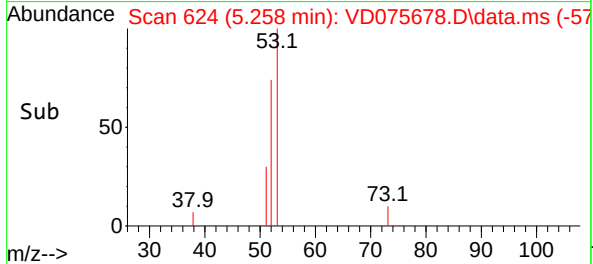
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 53 Resp: 763
Ion Ratio Lower Upper
53 100
52 89.1 66.2 99.4
51 34.5 30.7 46.1

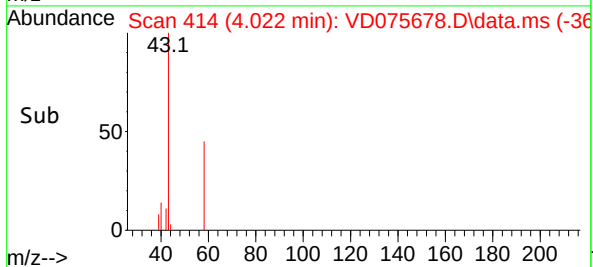
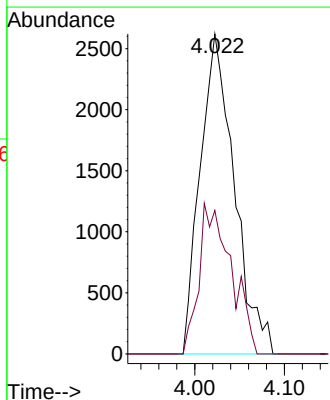
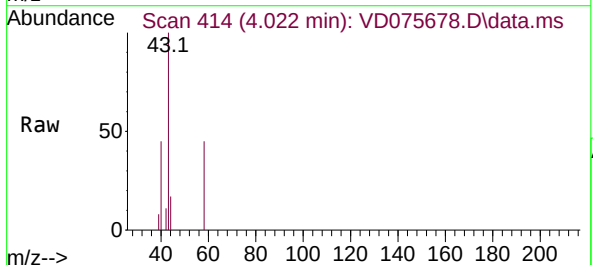
Manual Integrations
APPROVED

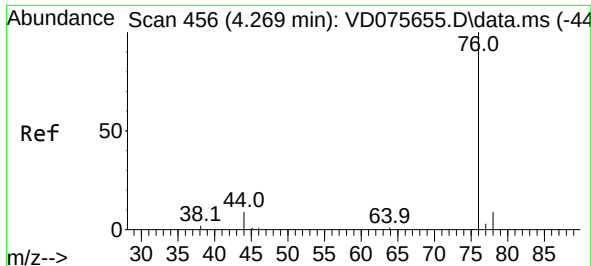
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#16
Acetone
Concen: 21.290 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

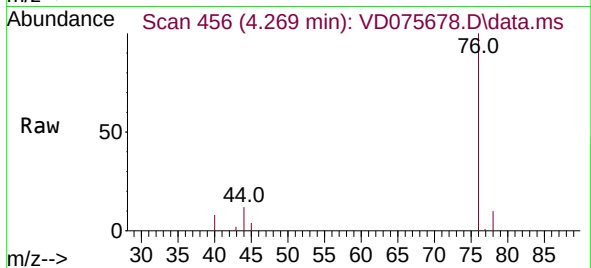
Tgt Ion: 43 Resp: 6904
Ion Ratio Lower Upper
43 100
58 44.8 24.4 36.6#





#17
Carbon Disulfide
Concen: 4.294 ug/l
RT: 4.269 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

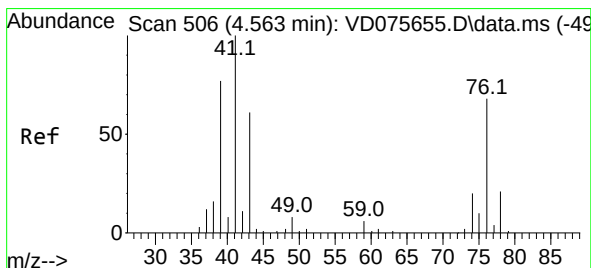
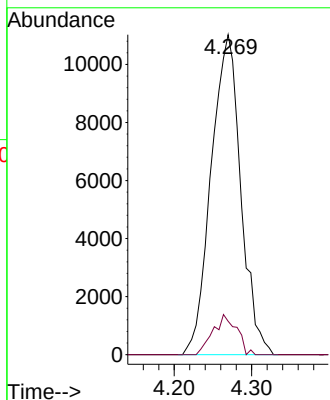
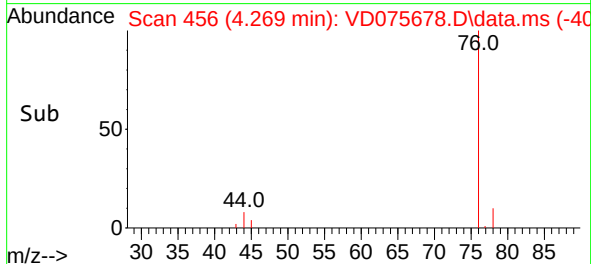
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 76 Resp: 29350
Ion Ratio Lower Upper
76 100
78 10.5 8.0 12.0

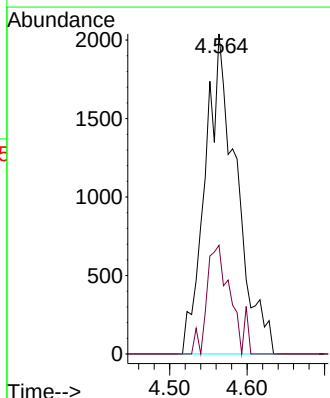
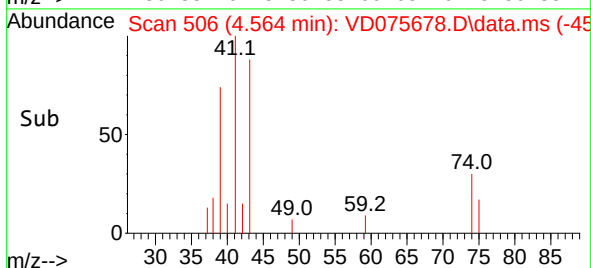
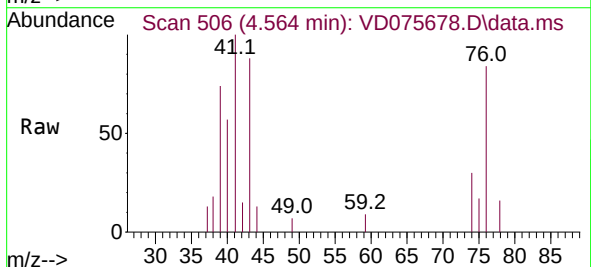
Manual Integrations
APPROVED

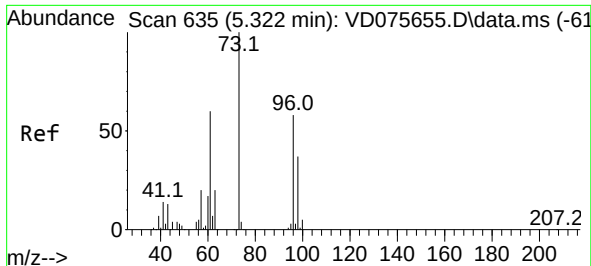
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#18
Methyl Acetate
Concen: 5.246 ug/l
RT: 4.564 min Scan# 506
Delta R.T. 0.001 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

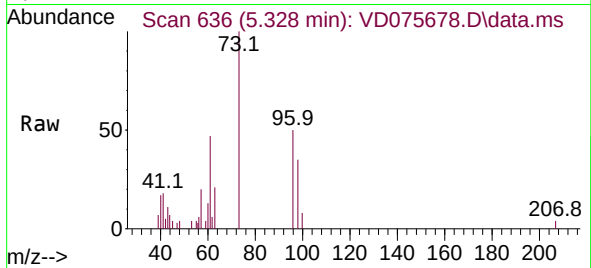
Tgt Ion: 43 Resp: 5737
Ion Ratio Lower Upper
43 100
74 23.8 17.8 26.6





#19
Methyl tert-butyl Ether
Concen: 3.861 ug/l
RT: 5.328 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

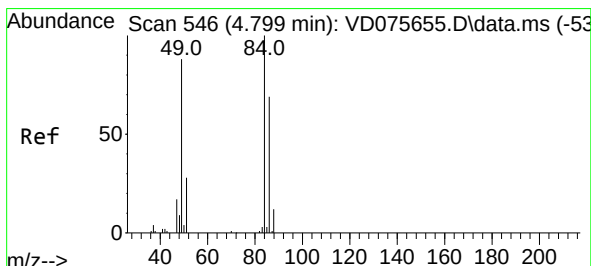
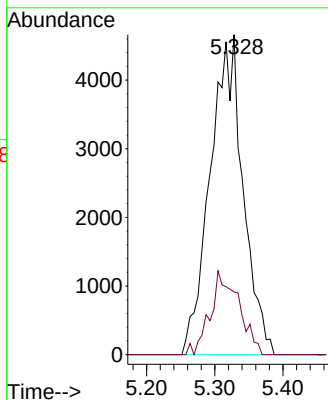
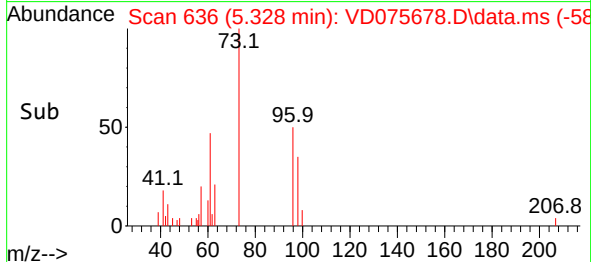
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 73 Resp: 15652
Ion Ratio Lower Upper
73 100
57 19.6 17.2 25.8

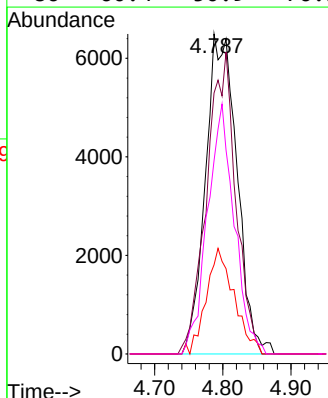
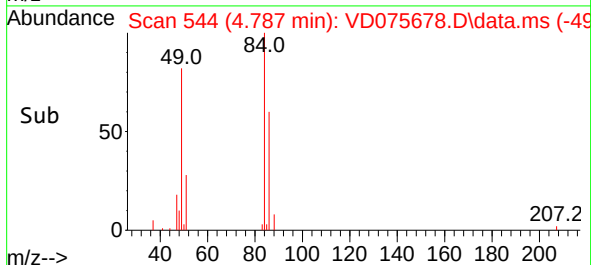
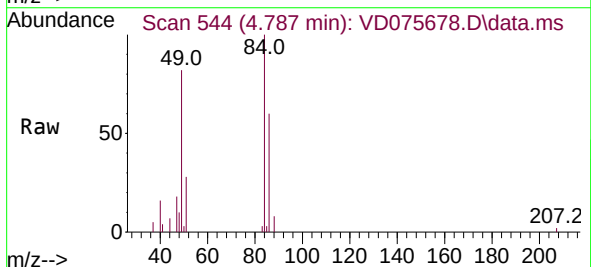
Manual Integrations
APPROVED

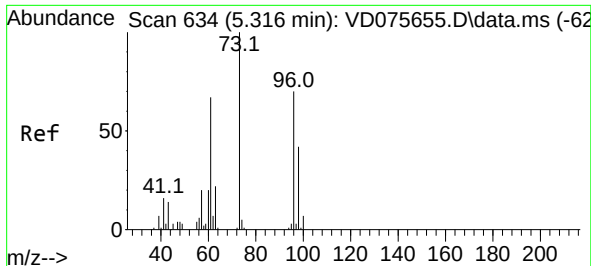
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#20
Methylene Chloride
Concen: 6.994 ug/l
RT: 4.787 min Scan# 544
Delta R.T. -0.012 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

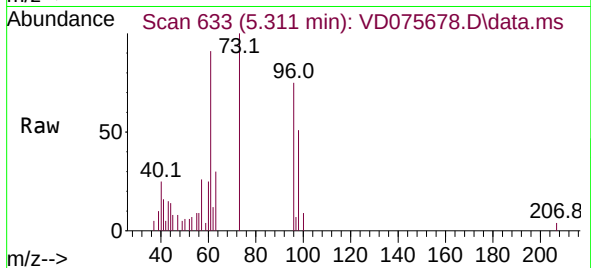
Tgt Ion: 84 Resp: 20875
Ion Ratio Lower Upper
84 100
49 81.5 106.4 159.6#
51 27.9 32.4 48.6#
86 60.4 50.9 76.3





#21
trans-1,2-Dichloroethene
Concen: 3.908 ug/l
RT: 5.311 min Scan# 611
Delta R.T. -0.005 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

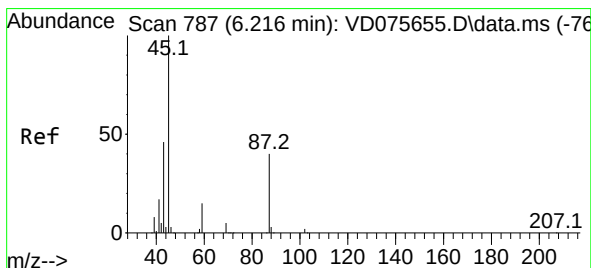
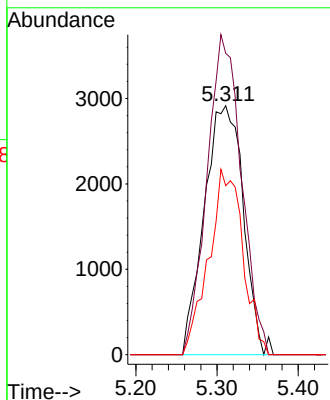
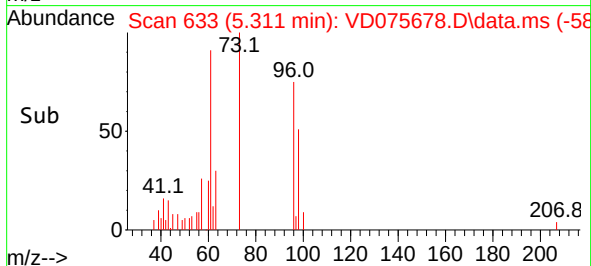
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2023



Tgt Ion: 96 Resp: 972
Ion Ratio Lower Upper
96 100
61 121.0 117.2 175.8
98 67.9 50.6 76.0

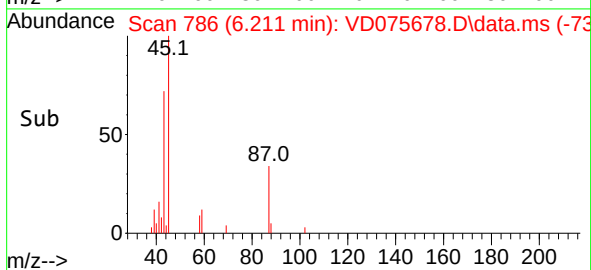
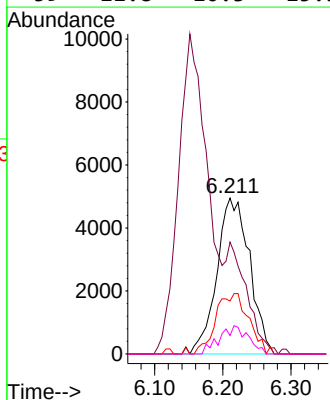
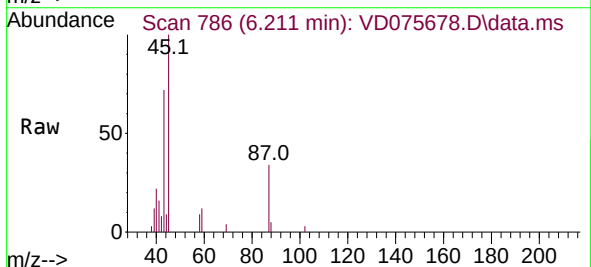
Manual Integrations
APPROVED

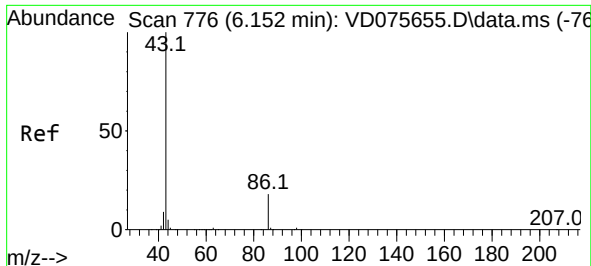
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#22
Diisopropyl ether
Concen: 3.850 ug/l
RT: 6.211 min Scan# 786
Delta R.T. -0.005 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

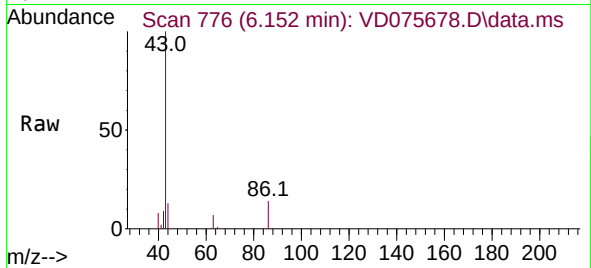
Tgt Ion: 45 Resp: 16550
Ion Ratio Lower Upper
45 100
43 71.8 44.4 66.6#
87 34.0 20.9 31.3#
59 11.8 10.3 15.5





#23
 Vinyl Acetate
 Concen: 19.014 ug/l m
 RT: 6.152 min Scan# 776
 Delta R.T. -0.000 min
 Lab File: VD075678.D
 Acq: 14 Apr 2023 14:27

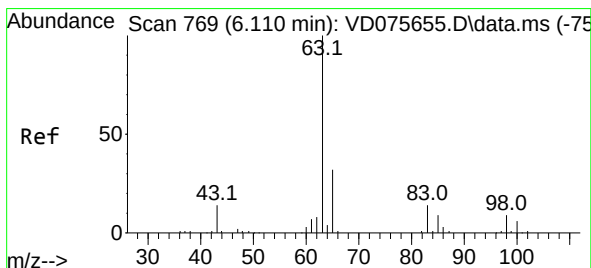
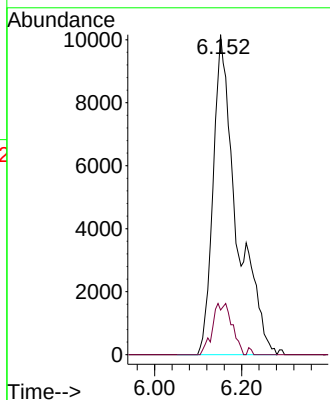
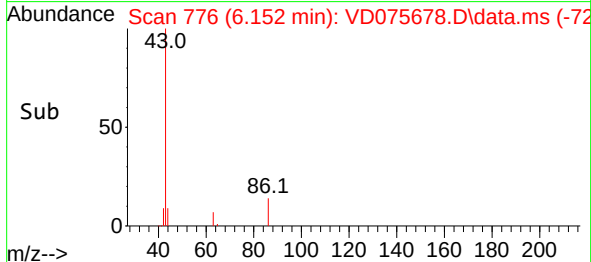
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2023



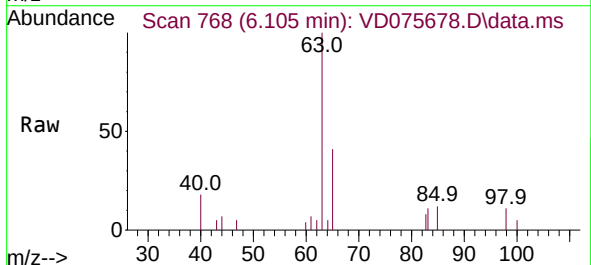
Tgt Ion: 43 Resp: 37962
 Ion Ratio Lower Upper
 43 100
 86 14.0 9.0 13.6

Manual Integrations
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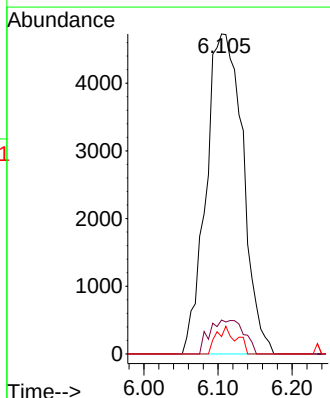
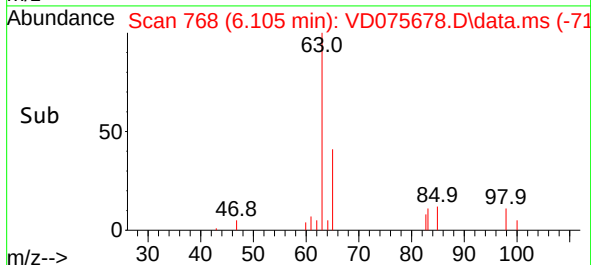
Reviewed By :John Carlone 04/17/2023
 Supervised By :Mahesh Dadoda 04/17/2023

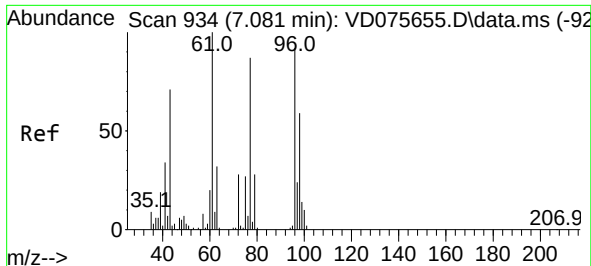


#24
 1,1-Dichloroethane
 Concen: 4.568 ug/l
 RT: 6.105 min Scan# 768
 Delta R.T. -0.005 min
 Lab File: VD075678.D
 Acq: 14 Apr 2023 14:27



Tgt Ion: 63 Resp: 16271
 Ion Ratio Lower Upper
 63 100
 98 10.6 3.9 11.7
 100 5.5 2.0 6.0





#25

2-Butanone

Concen: 22.087 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD075678.D

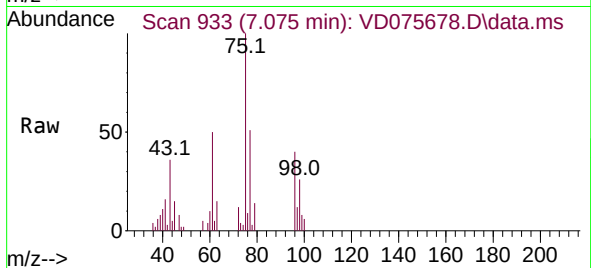
Acq: 14 Apr 2023 14:27

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023



Tgt Ion: 43 Resp: 922

Ion Ratio Lower Upper

43 100

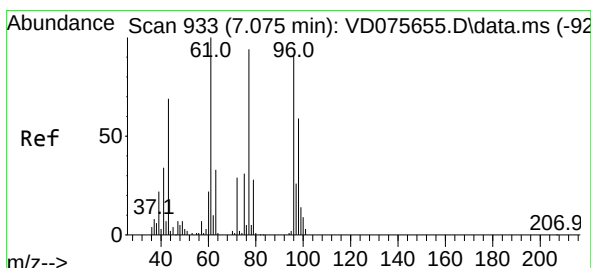
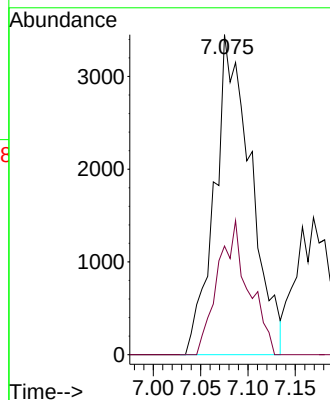
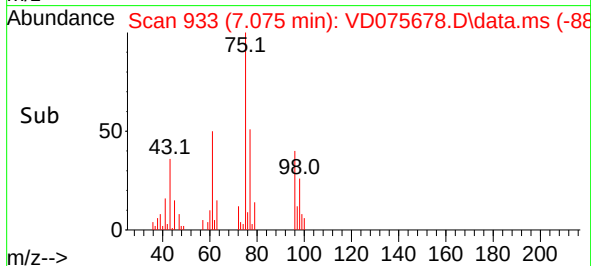
72 34.0 19.8 29.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#26

2,2-Dichloropropane

Concen: 4.275 ug/l

RT: 7.075 min Scan# 933

Delta R.T. 0.000 min

Lab File: VD075678.D

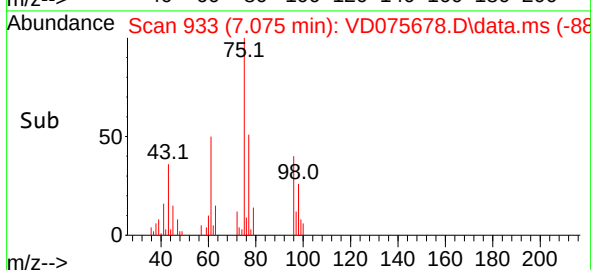
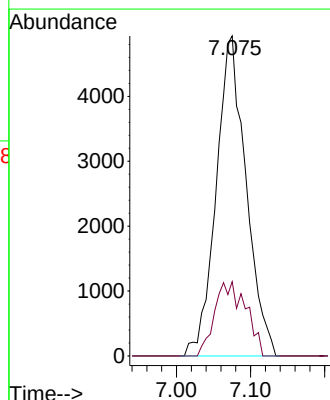
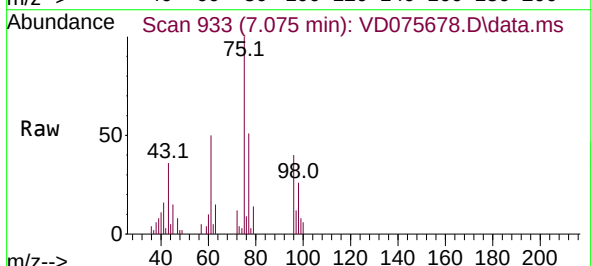
Acq: 14 Apr 2023 14:27

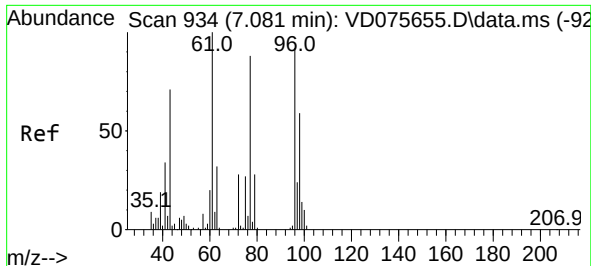
Tgt Ion: 77 Resp: 13806

Ion Ratio Lower Upper

77 100

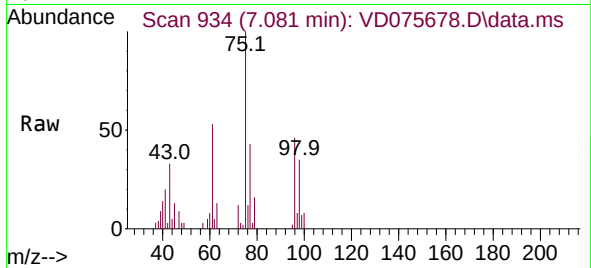
97 24.2 11.1 33.1





#27
 cis-1,2-Dichloroethene
 Concen: 4.114 ug/l
 RT: 7.081 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VD075678.D
 Acq: 14 Apr 2023 14:27

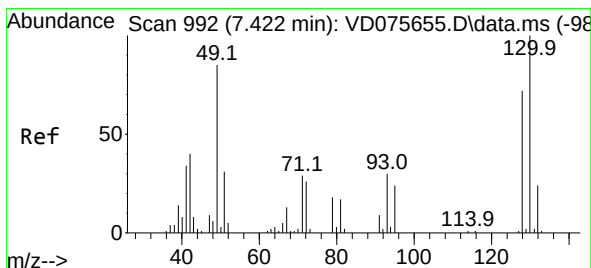
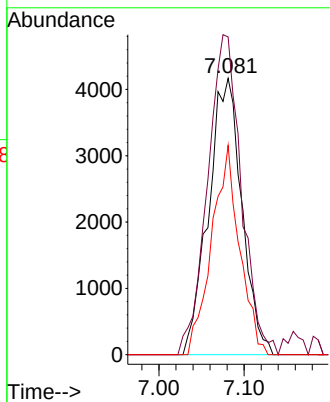
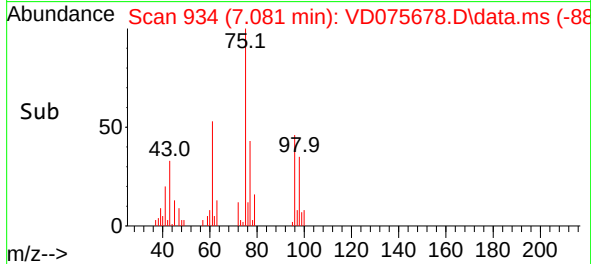
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2023



Tgt Ion: 96 Resp: 1133
 Ion Ratio Lower Upper
 96 100
 61 117.2 0.0 295.2
 98 63.3 0.0 129.2

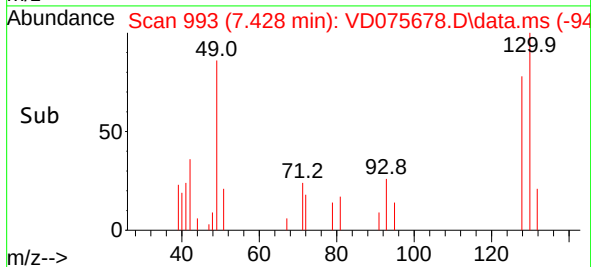
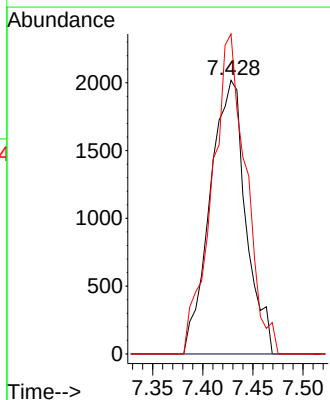
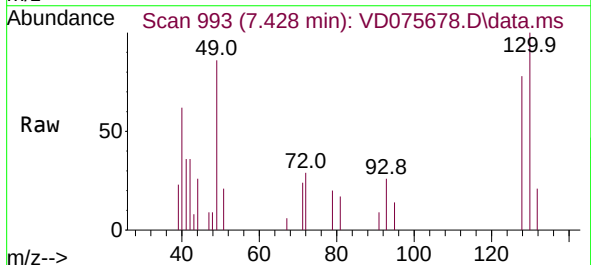
Manual Integrations
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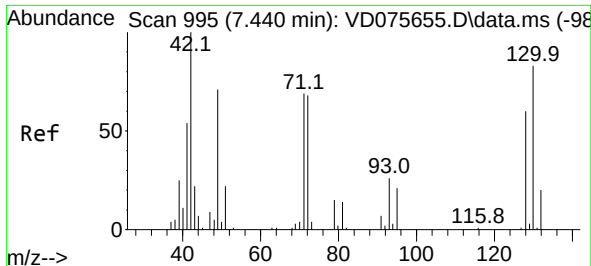
Reviewed By :John Carlone 04/17/2023
 Supervised By :Mahesh Dadoda 04/17/2023



#28
 Bromochloromethane
 Concen: 4.447 ug/l
 RT: 7.428 min Scan# 993
 Delta R.T. 0.006 min
 Lab File: VD075678.D
 Acq: 14 Apr 2023 14:27

Tgt Ion: 49 Resp: 5007
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 2.2
 130 111.4 56.0 84.0#





#29

Tetrahydrofuran

Concen: 21.276 ug/l

RT: 7.440 min Scan# 995

Delta R.T. -0.000 min

Lab File: VD075678.D

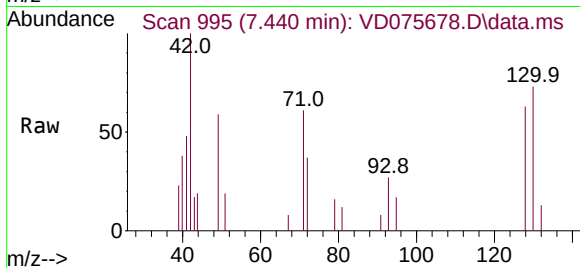
Acq: 14 Apr 2023 14:27

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023



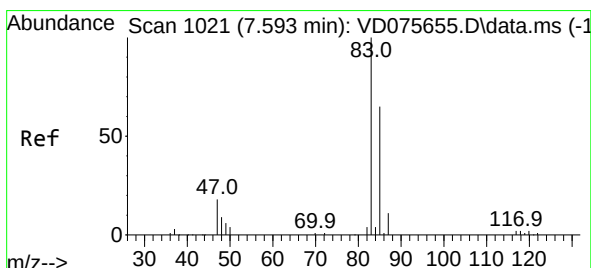
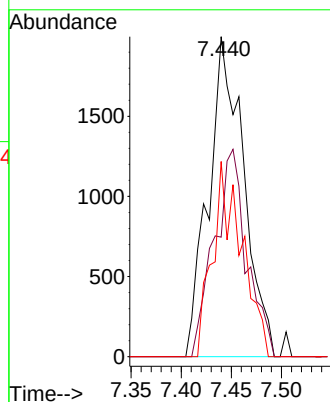
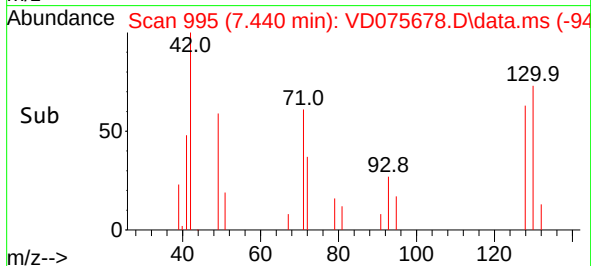
Tgt Ion:	42	Resp:	485
Ion Ratio	100	Lower	Upper
42	100		
72	59.9	31.8	47.6
71	50.5	27.6	41.4

Manual Integrations

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Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#30

Chloroform

Concen: 4.211 ug/l

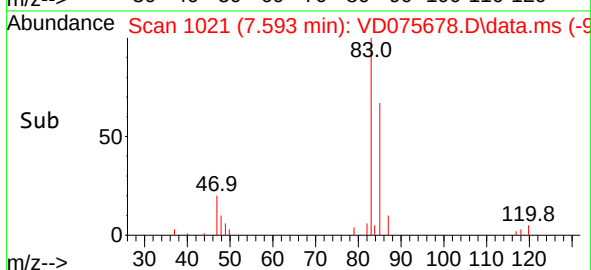
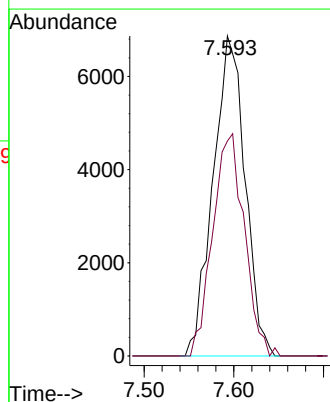
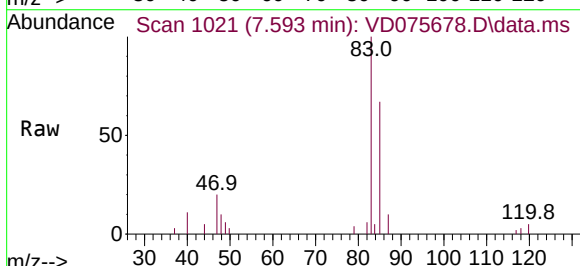
RT: 7.593 min Scan# 1021

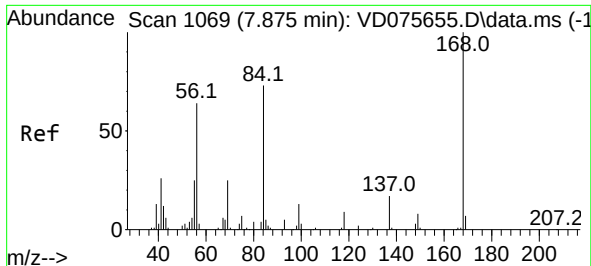
Delta R.T. -0.000 min

Lab File: VD075678.D

Acq: 14 Apr 2023 14:27

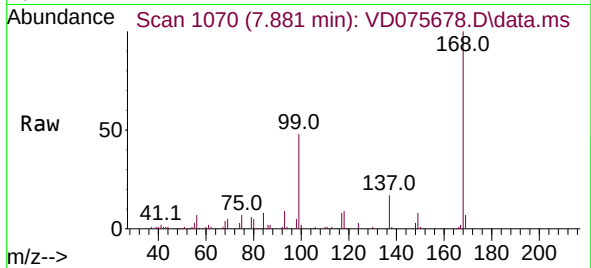
Tgt Ion:	83	Resp:	17002
Ion Ratio	100	Lower	Upper
83	100		
85	67.1	49.4	74.2





#31
Cyclohexane
Concen: 4.851 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

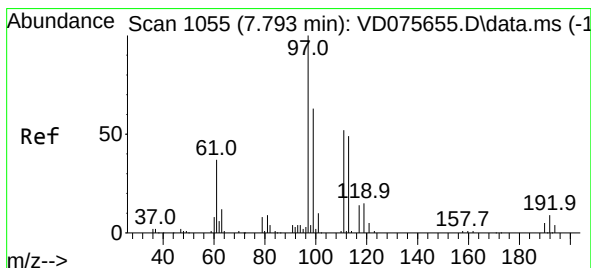
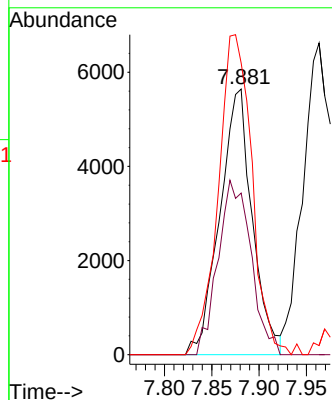
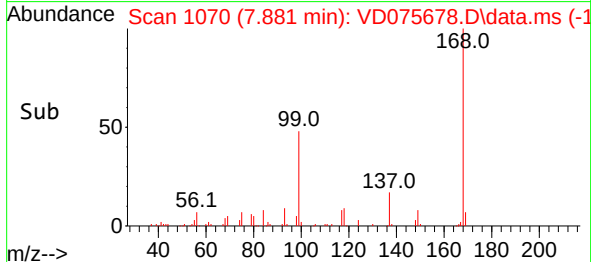
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



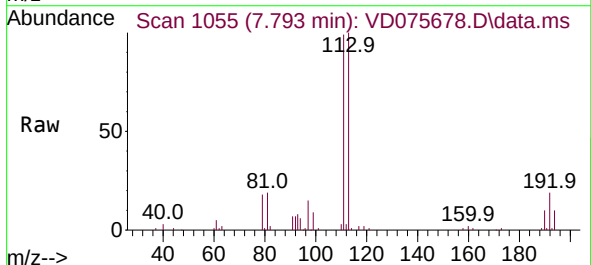
Tgt Ion: 56 Resp: 13474
Ion Ratio Lower Upper
56 100
69 60.8 25.5 38.3
84 109.9 69.6 104.4

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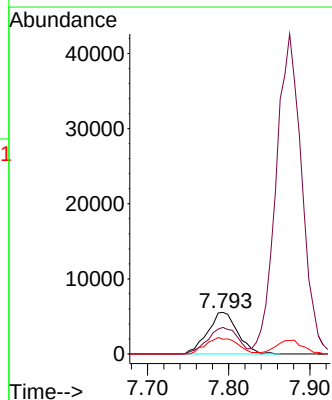
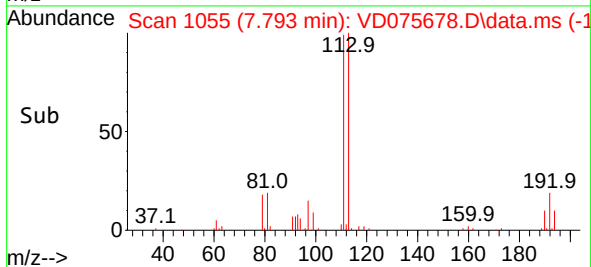
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023

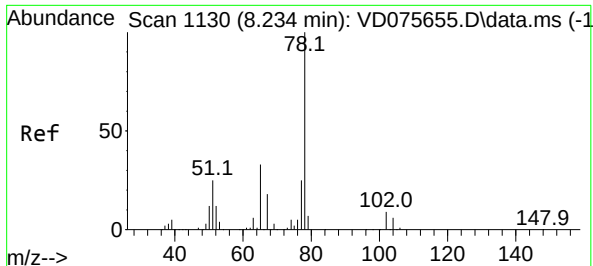


#32
1,1,1-Trichloroethane
Concen: 4.299 ug/l
RT: 7.793 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27



Tgt Ion: 97 Resp: 14155
Ion Ratio Lower Upper
97 100
99 63.6 50.5 75.7
61 41.7 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 53.838 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075678.D

Acq: 14 Apr 2023 14:27

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion: 65 Resp: 95300

Ion Ratio Lower Upper

65 100

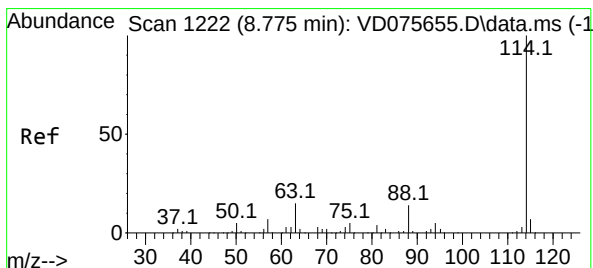
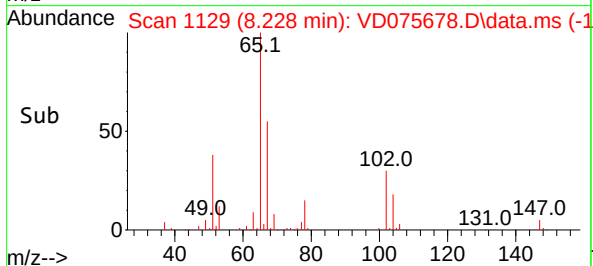
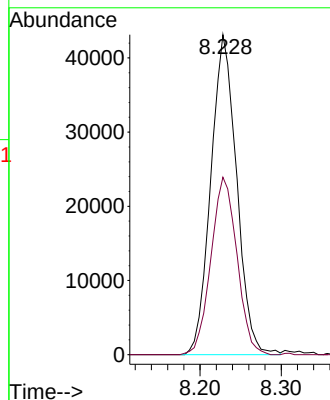
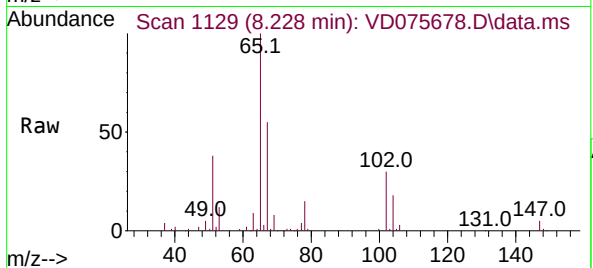
67 55.8 0.0 102.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD075678.D

Acq: 14 Apr 2023 14:27

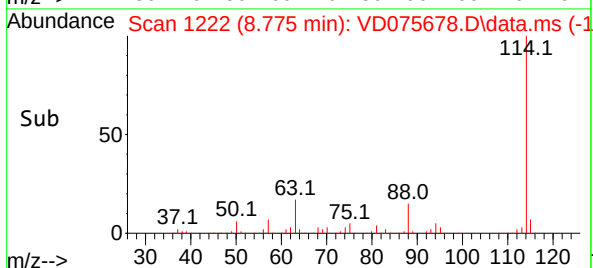
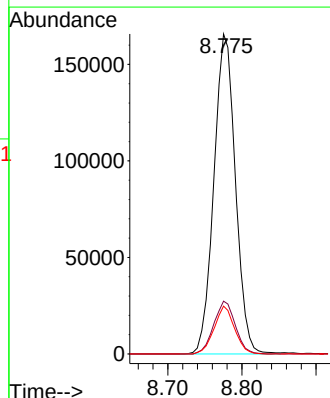
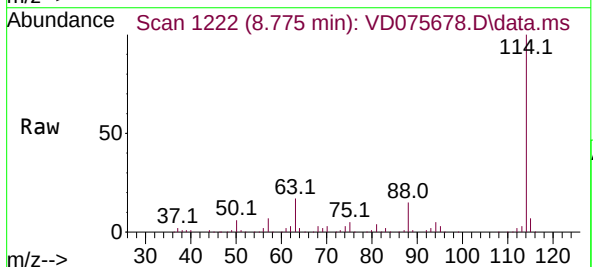
Tgt Ion:114 Resp: 334778

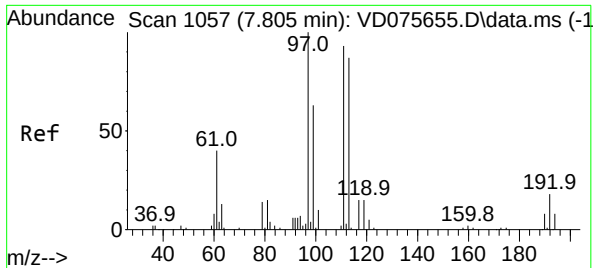
Ion Ratio Lower Upper

114 100

63 16.5 0.0 41.6

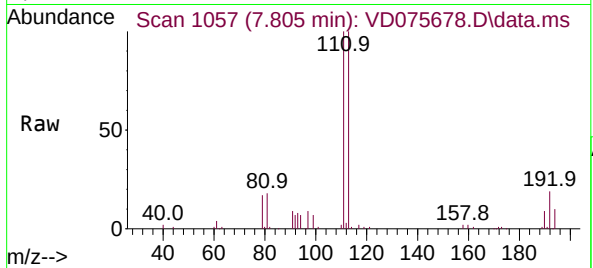
88 14.9 0.0 30.6





#35
Dibromofluoromethane
Concen: 50.741 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

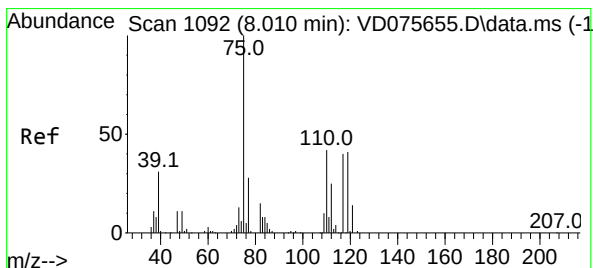
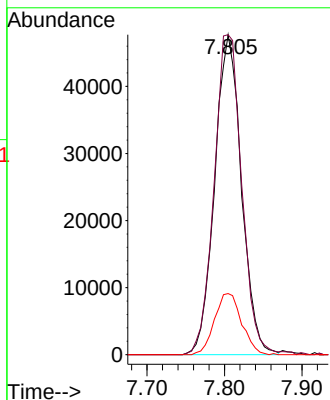
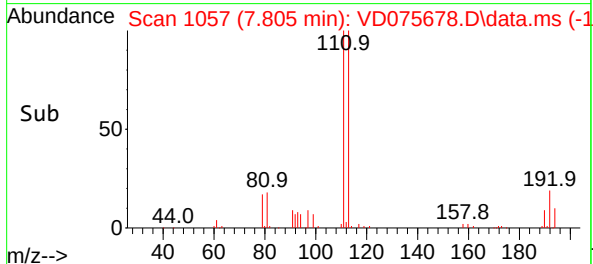
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 113 Resp: 11425
Ion Ratio Lower Upper
113 100
111 103.6 81.4 122.0
192 19.4 15.2 22.8

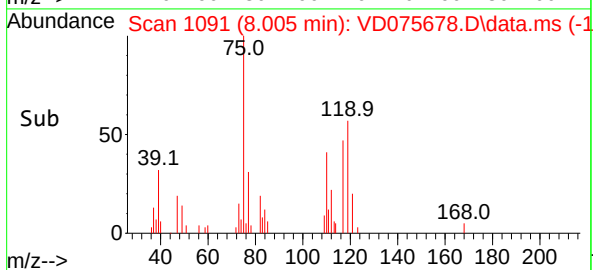
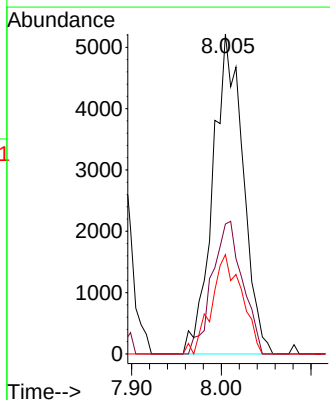
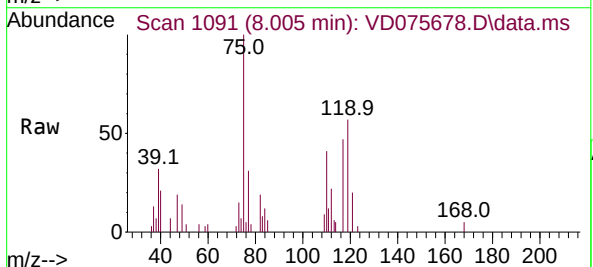
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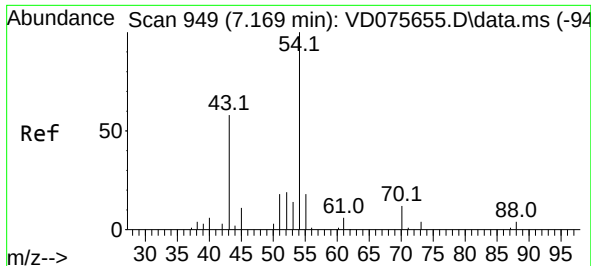
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#36
1,1-Dichloropropene
Concen: 3.923 ug/l
RT: 8.005 min Scan# 1091
Delta R.T. -0.005 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

Tgt Ion: 75 Resp: 12188
Ion Ratio Lower Upper
75 100
110 41.9 17.1 51.2
77 31.1 24.6 36.8





#37

Ethyl Acetate

Concen: 3.964 ug/l

RT: 7.169 min Scan# 949

Delta R.T. 0.000 min

Lab File: VD075678.D

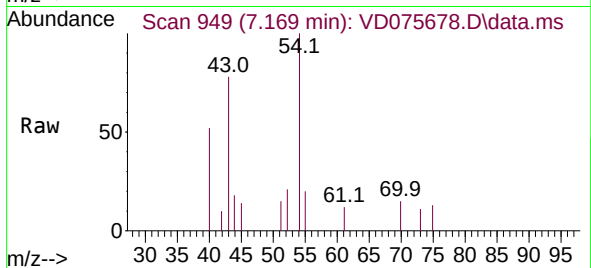
Acq: 14 Apr 2023 14:27

Instrument :

MSVOA_D

ClientSampleId :

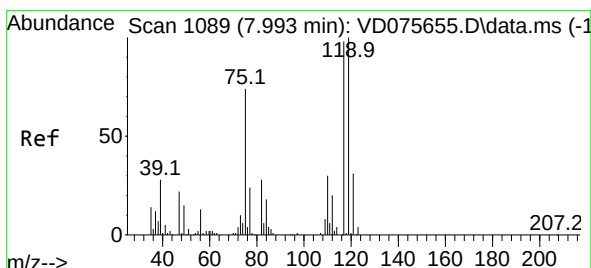
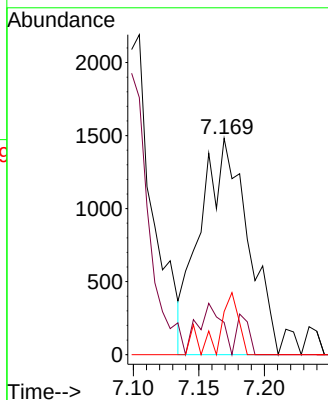
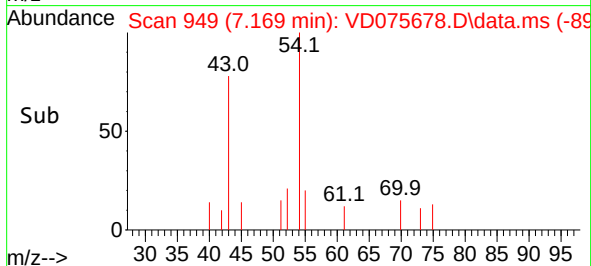
MDL-SOIL-03-QT2-2023



Tgt Ion:	43	Resp:	374
Ion Ratio	Lower	Upper	
43	100		
61	11.7	0.0	0.0
70	10.4	5.6	8.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#38

Carbon Tetrachloride

Concen: 3.919 ug/l

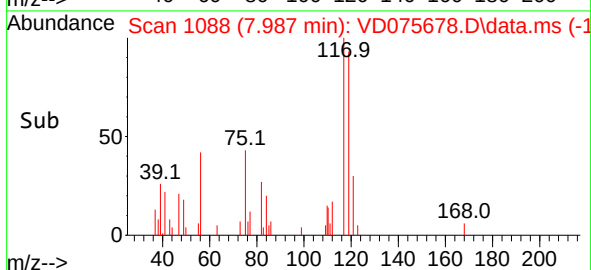
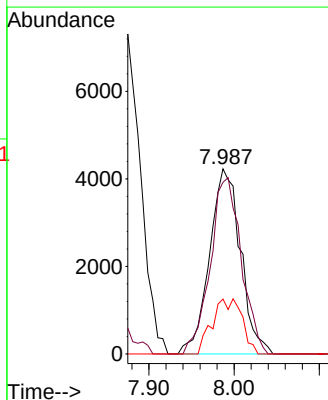
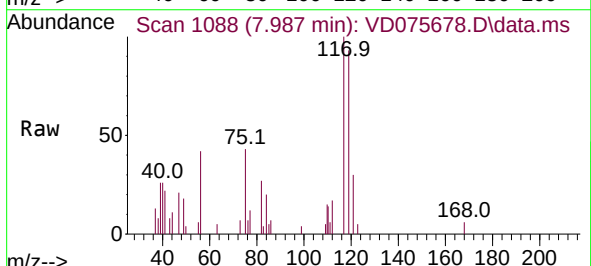
RT: 7.987 min Scan# 1088

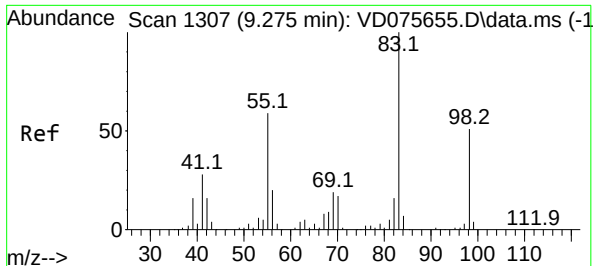
Delta R.T. -0.006 min

Lab File: VD075678.D

Acq: 14 Apr 2023 14:27

Tgt Ion:	117	Resp:	10721
Ion Ratio	Lower	Upper	
117	100		
119	92.7	74.7	112.1
121	29.6	25.9	38.9





#39

Methylcyclohexane

Concen: 3.490 ug/l

RT: 9.269 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VD075678.D

Acq: 14 Apr 2023 14:27

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023

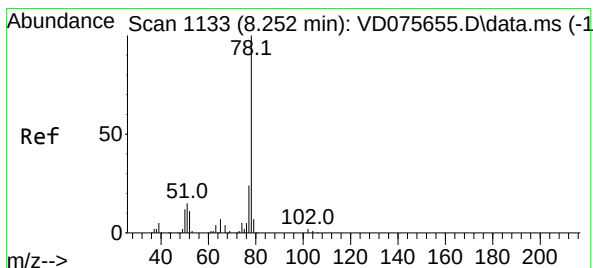
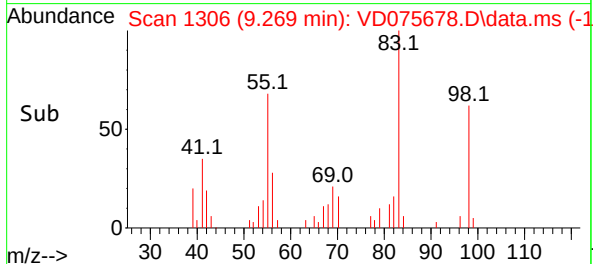
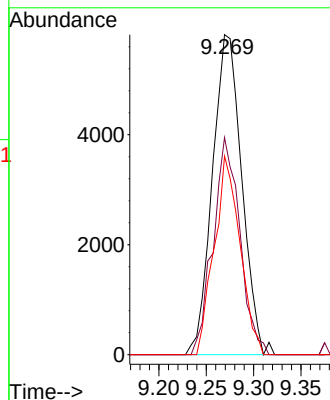
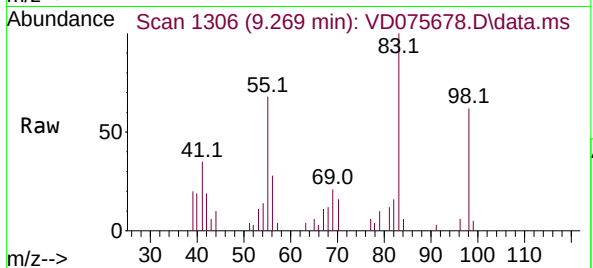
Tgt Ion: 83	Resp: 1253
Ion Ratio	Lower Upper
83	100
55	67.9 56.8 85.2
98	62.0 38.9 58.3

Manual Integrations

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Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#40

Benzene

Concen: 4.016 ug/l

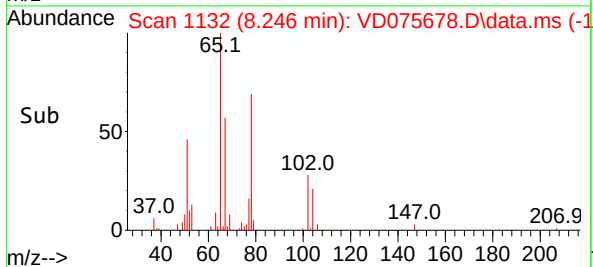
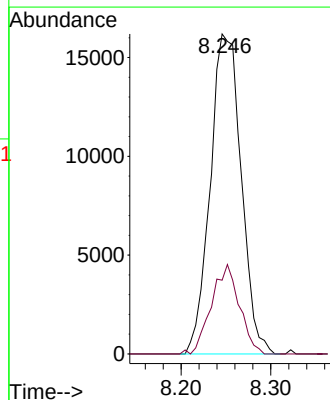
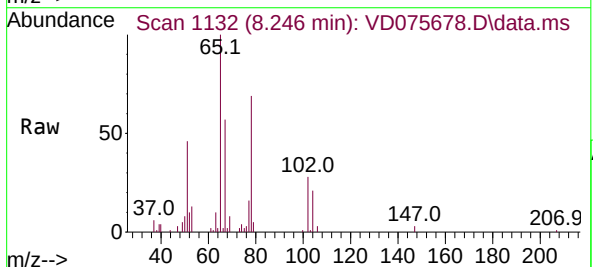
RT: 8.246 min Scan# 1132

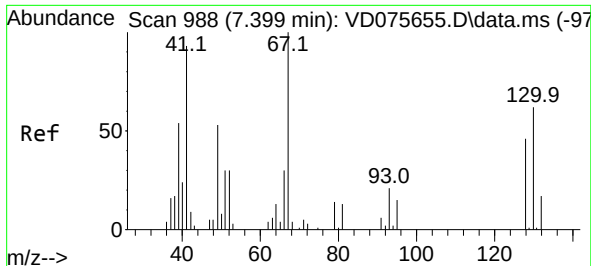
Delta R.T. -0.006 min

Lab File: VD075678.D

Acq: 14 Apr 2023 14:27

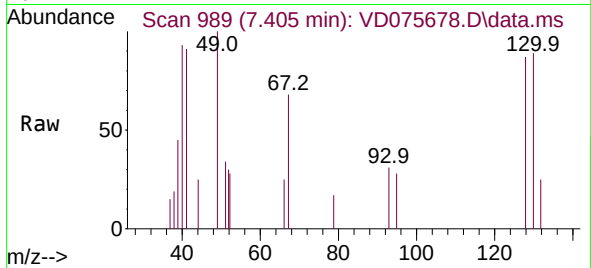
Tgt Ion: 78	Resp: 38781
Ion Ratio	Lower Upper
78	100
77	23.1 19.1 28.7





#41
Methacrylonitrile
Concen: 4.283 ug/l m
RT: 7.405 min Scan# 989
Delta R.T. 0.006 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

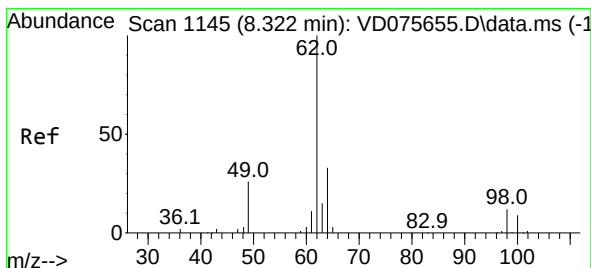
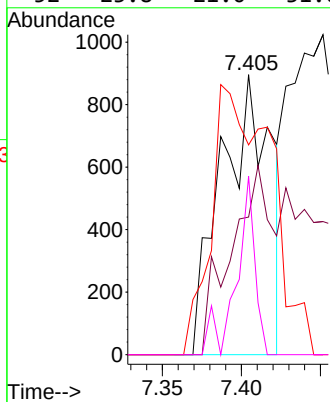
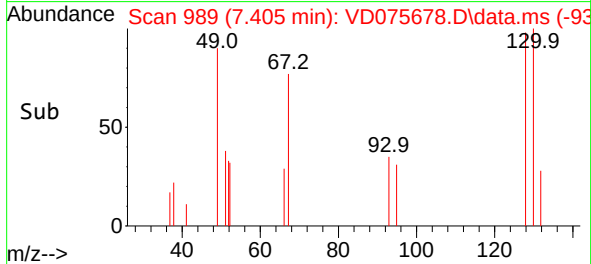
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 41 Resp: 194
Ion Ratio Lower Upper
41 100
39 56.7 45.3 67.9
67 0.0 50.5 75.7
52 23.8 21.0 31.6

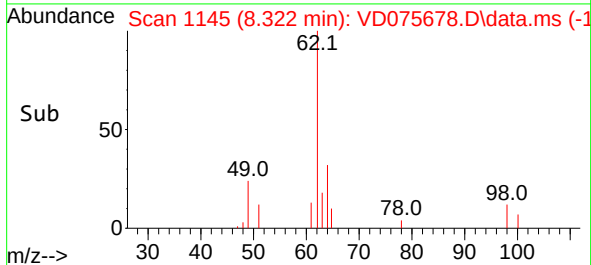
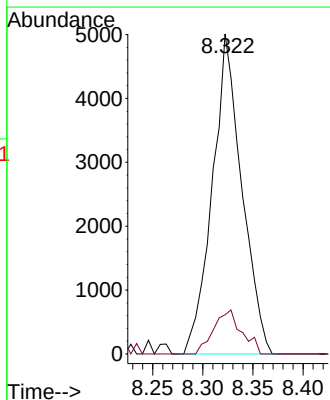
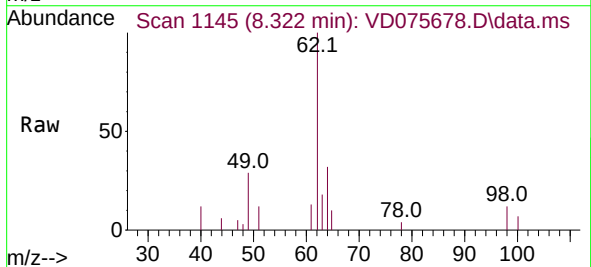
Manual Integrations
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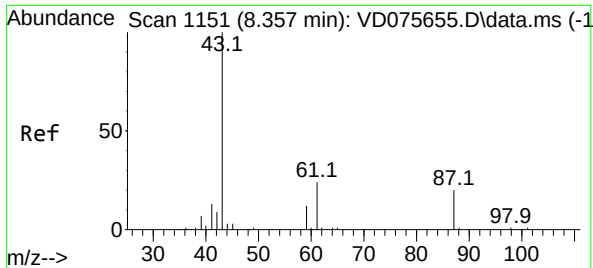
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#42
1,2-Dichloroethane
Concen: 4.662 ug/l
RT: 8.322 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

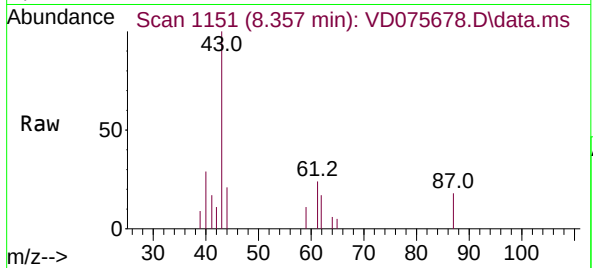
Tgt Ion: 62 Resp: 10225
Ion Ratio Lower Upper
62 100
98 13.0 0.0 18.8





#43
Isopropyl Acetate
Concen: 4.058 ug/l
RT: 8.357 min Scan# 1151
Delta R.T. 0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

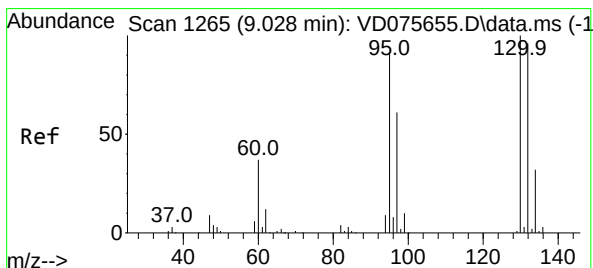
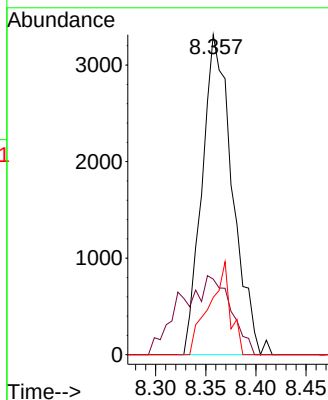
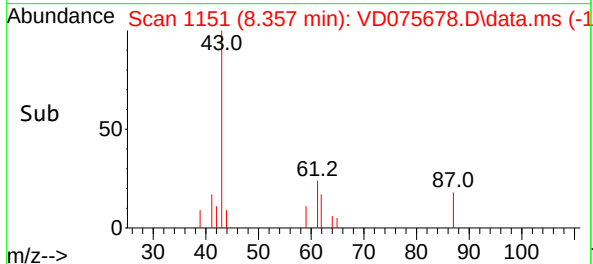
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2023



Tgt Ion: 43 Resp: 6995
Ion Ratio Lower Upper
43 100
61 27.1 23.4 35.0
87 20.3 9.5 14.3

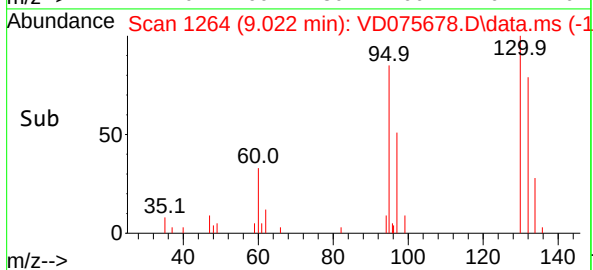
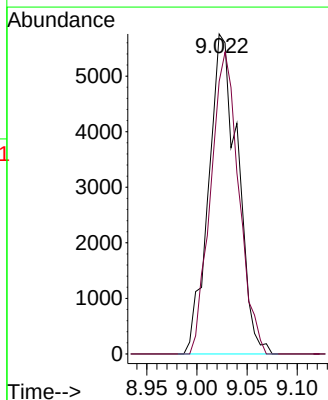
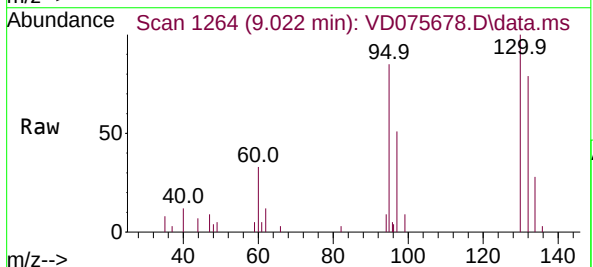
Manual Integrations
APPROVED

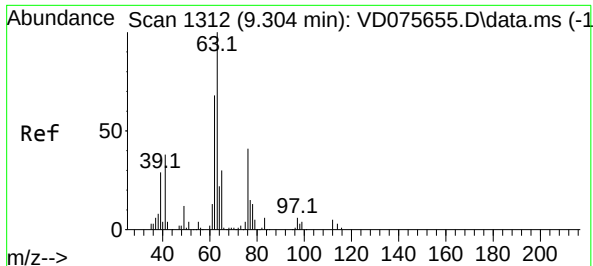
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#44
Trichloroethene
Concen: 4.243 ug/l
RT: 9.022 min Scan# 1264
Delta R.T. -0.006 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

Tgt Ion:130 Resp: 11596
Ion Ratio Lower Upper
130 100
95 85.1 0.0 197.6





#45

1,2-Dichloropropane

Concen: 4.032 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD075678.D

Acq: 14 Apr 2023 14:27

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion: 63 Resp: 872

Ion Ratio Lower Upper

63 100

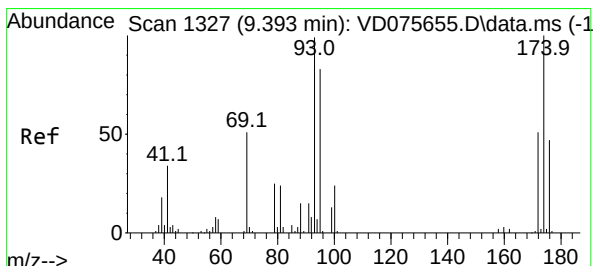
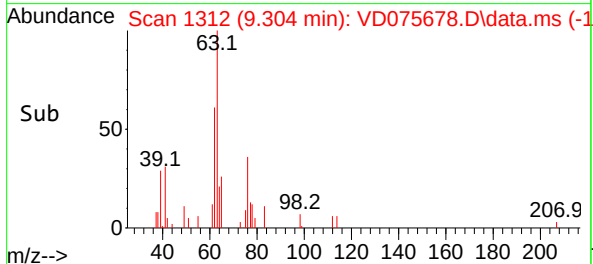
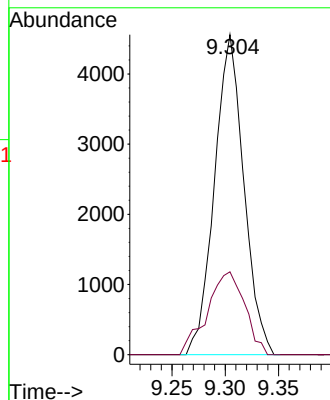
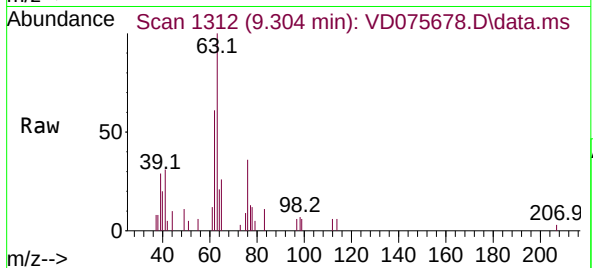
65 25.9 23.0 34.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#46

Dibromomethane

Concen: 3.844 ug/l

RT: 9.399 min Scan# 1328

Delta R.T. 0.006 min

Lab File: VD075678.D

Acq: 14 Apr 2023 14:27

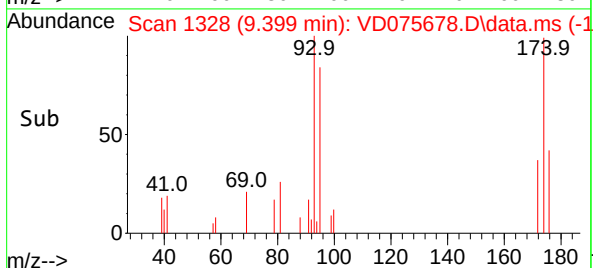
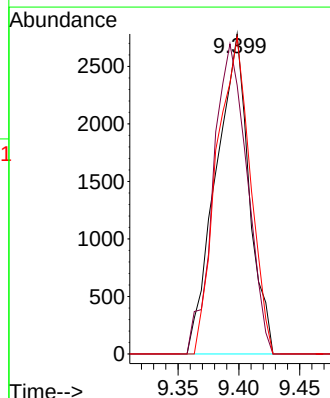
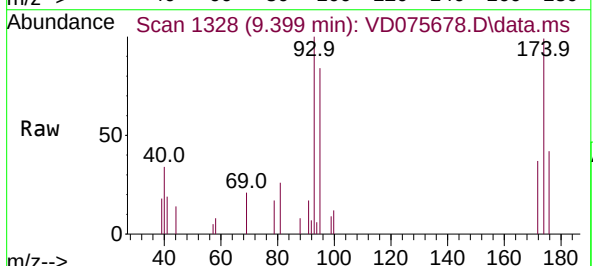
Tgt Ion: 93 Resp: 5277

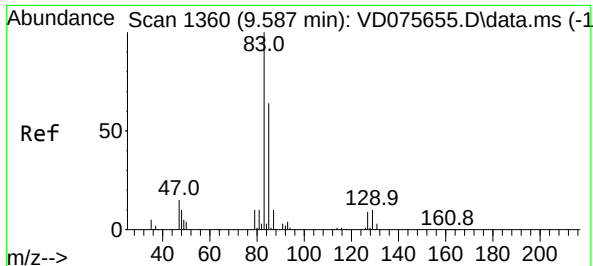
Ion Ratio Lower Upper

93 100

95 98.6 64.5 96.7

174 99.7 76.2 114.4





#47

Bromodichloromethane

Concen: 3.987 ug/l

RT: 9.581 min Scan# 1359

Delta R.T. -0.006 min

Lab File: VD075678.D

Acq: 14 Apr 2023 14:27

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023

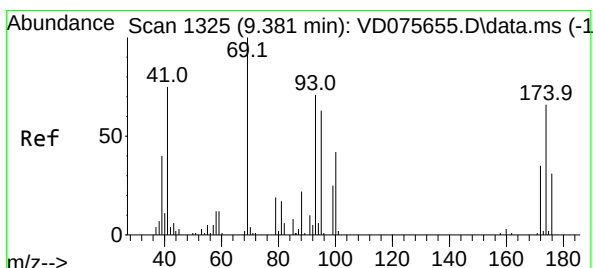
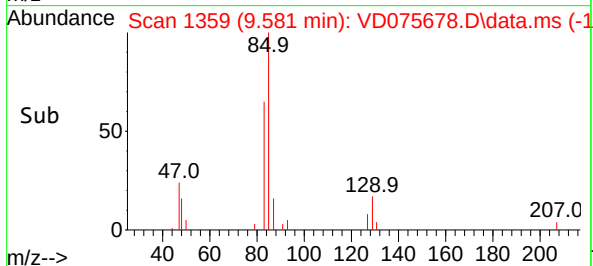
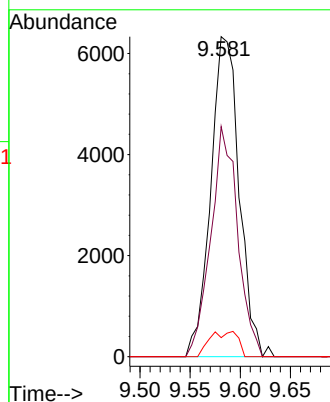
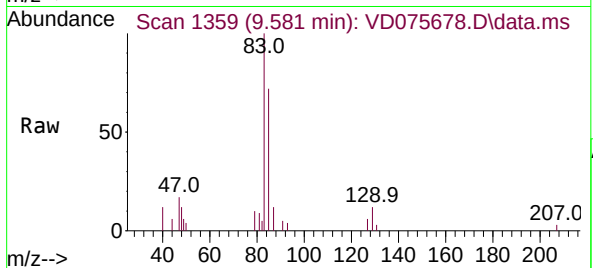
Tgt Ion:	83	Resp:	12520
Ion	Ratio	Lower	Upper
83	100		
85	71.9	53.7	80.5
127	6.0	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#48

Methyl methacrylate

Concen: 3.574 ug/l

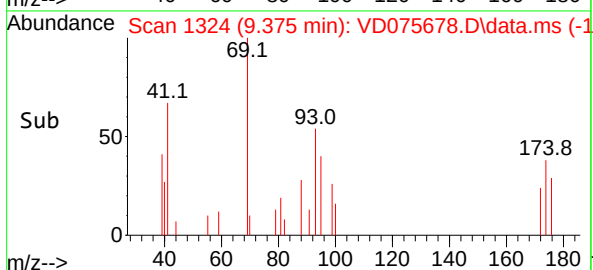
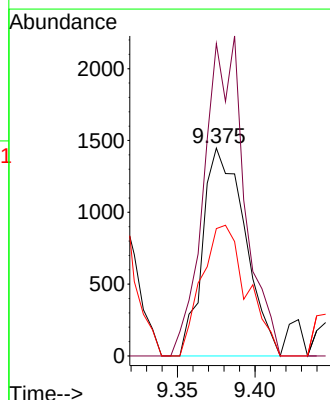
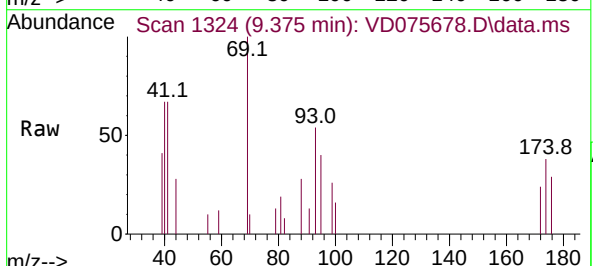
RT: 9.375 min Scan# 1324

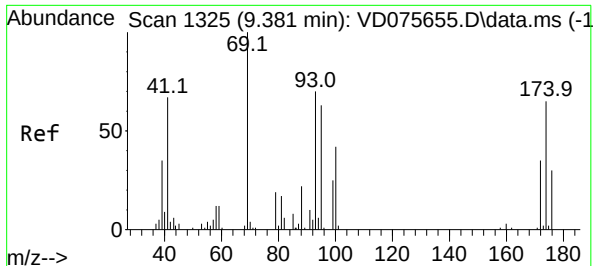
Delta R.T. -0.006 min

Lab File: VD075678.D

Acq: 14 Apr 2023 14:27

Tgt Ion:	41	Resp:	2745
Ion	Ratio	Lower	Upper
41	100		
69	146.1	58.6	88.0
39	67.5	53.4	80.0





#49

1,4-Dioxane

Concen: 87.218 ug/l

RT: 9.381 min Scan# 1325

Delta R.T. -0.000 min

Lab File: VD075678.D

Acq: 14 Apr 2023 14:27

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023

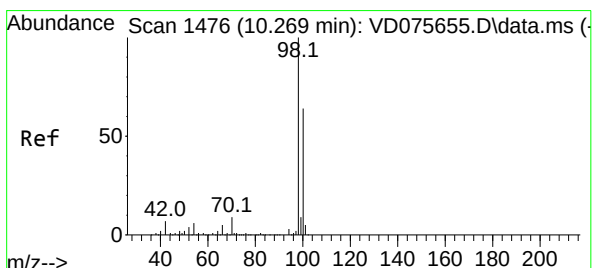
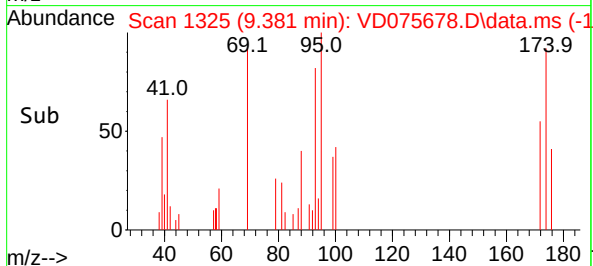
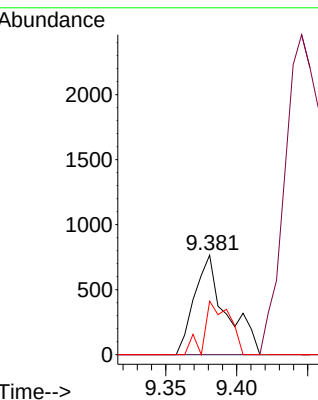
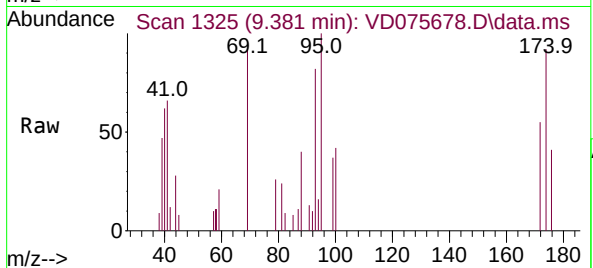
Tgt Ion: 88 Resp: 1188
 Ion Ratio Lower Upper
 88 100
 43 0.0 34.6 51.8
 58 43.0 58.0 87.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#50

Toluene-d8

Concen: 49.383 ug/l

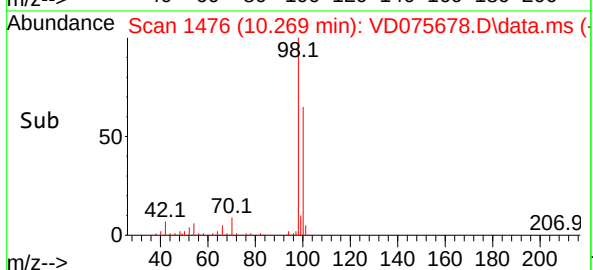
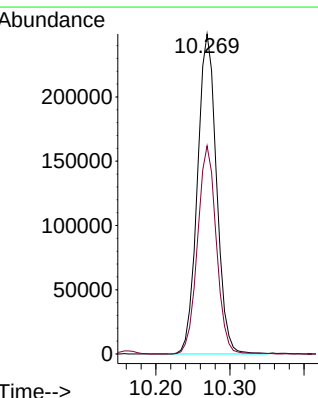
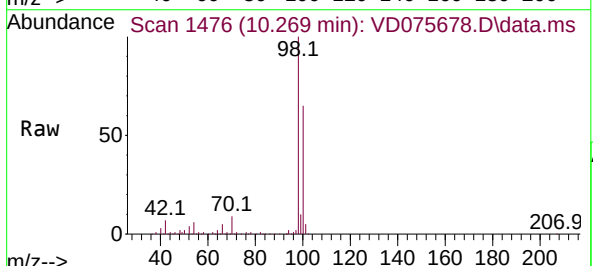
RT: 10.269 min Scan# 1476

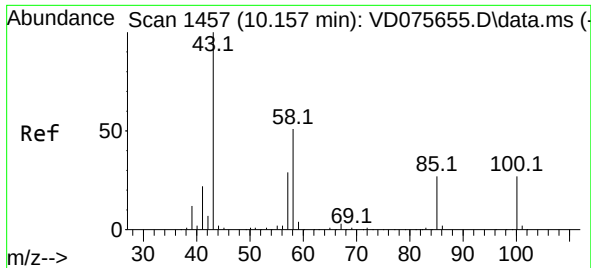
Delta R.T. 0.000 min

Lab File: VD075678.D

Acq: 14 Apr 2023 14:27

Tgt Ion: 98 Resp: 445295
 Ion Ratio Lower Upper
 98 100
 100 63.9 52.1 78.1





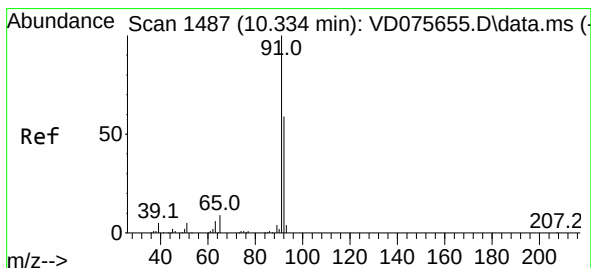
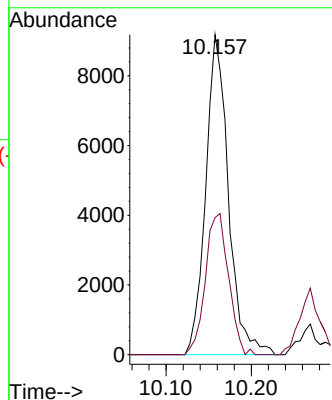
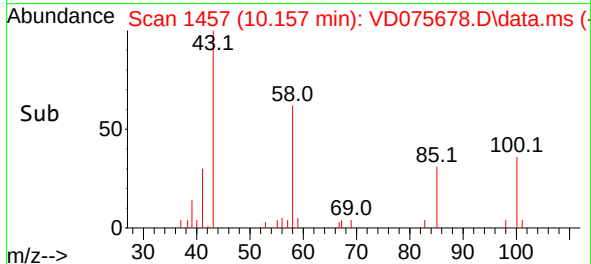
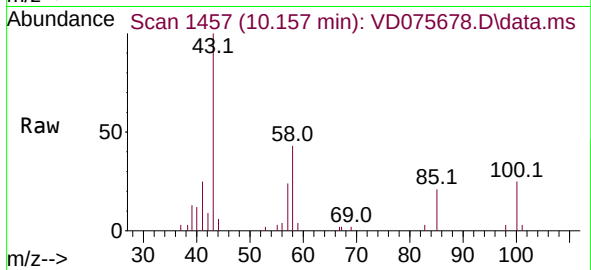
#51
4-Methyl-2-Pentanone
Concen: 18.481 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion: 43 Resp: 16980
Ion Ratio Lower Upper
43 100
58 45.0 29.5 44.3

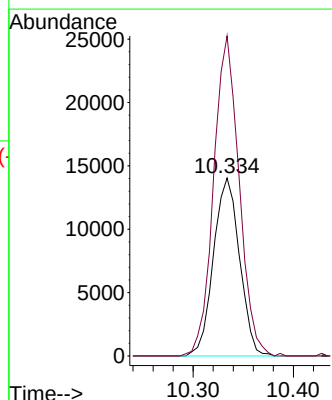
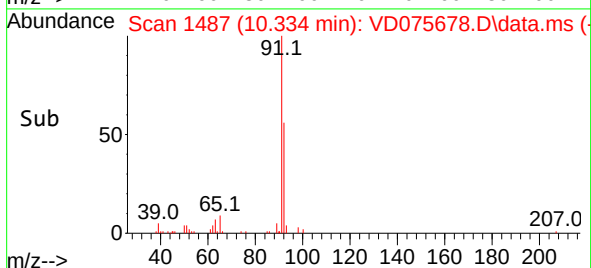
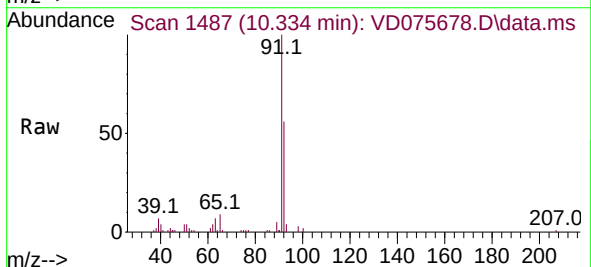
Manual Integrations
APPROVED

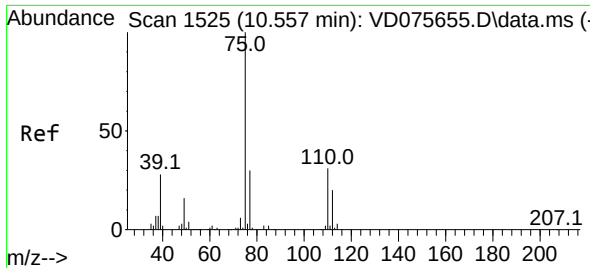
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#52
Toluene
Concen: 3.950 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

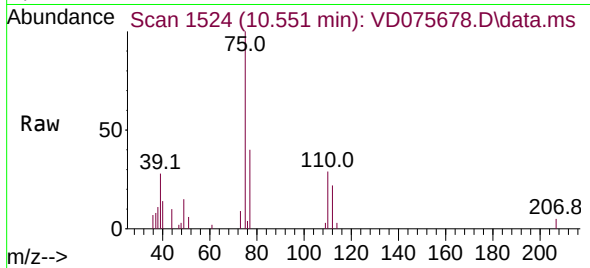
Tgt Ion: 92 Resp: 25365
Ion Ratio Lower Upper
92 100
91 176.5 136.5 204.7





#53
t-1,3-Dichloropropene
Concen: 3.672 ug/l
RT: 10.551 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

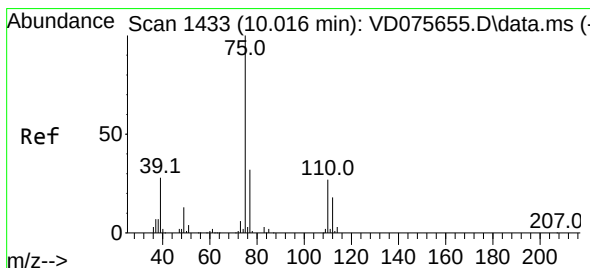
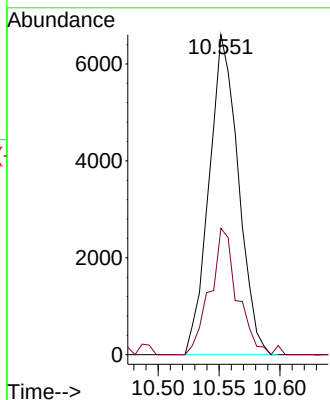
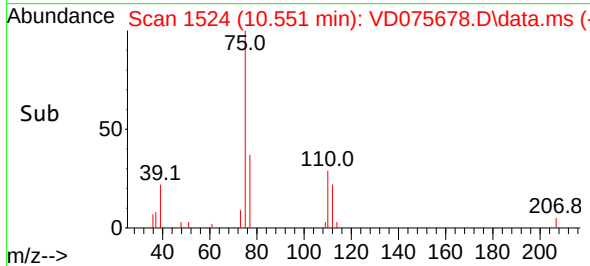
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 75 Resp: 1105
Ion Ratio Lower Upper
75 100
77 39.5 26.3 39.5

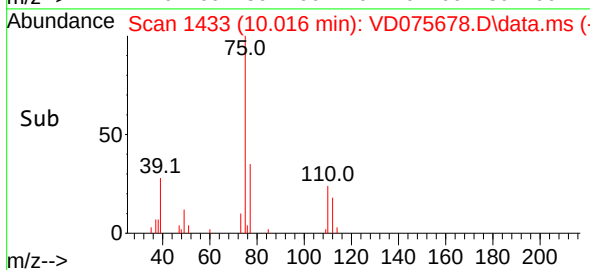
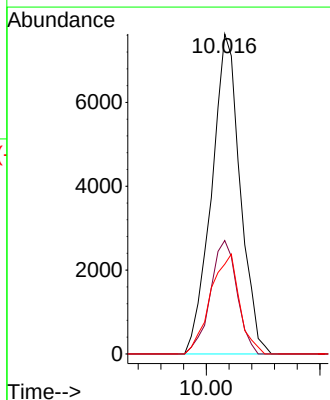
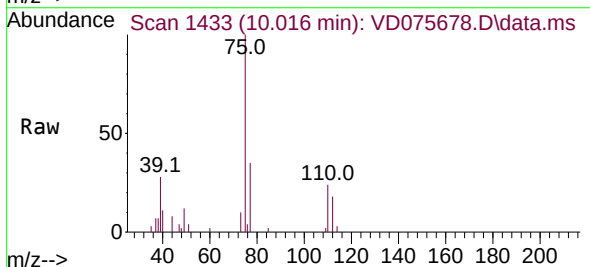
Manual Integrations
APPROVED

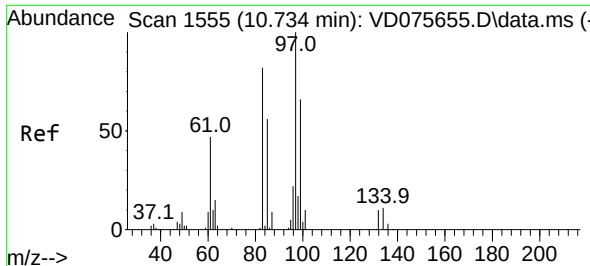
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#54
cis-1,3-Dichloropropene
Concen: 3.724 ug/l
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

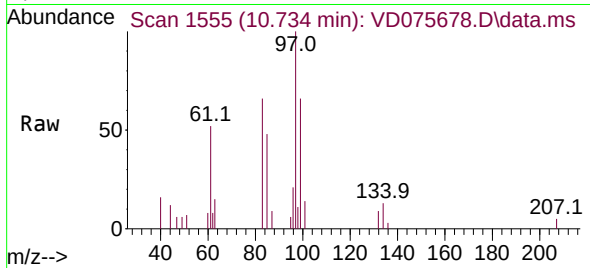
Tgt Ion: 75 Resp: 13319
Ion Ratio Lower Upper
75 100
77 35.5 25.6 38.4
39 28.0 44.8 67.2#





#55
1,1,2-Trichloroethane
Concen: 3.802 ug/l
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

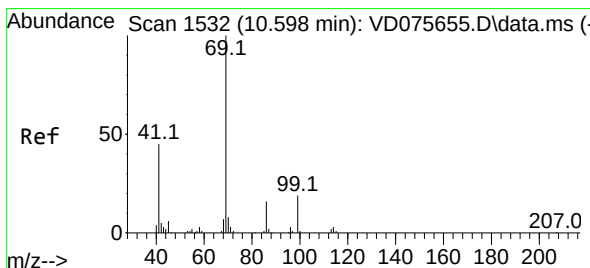
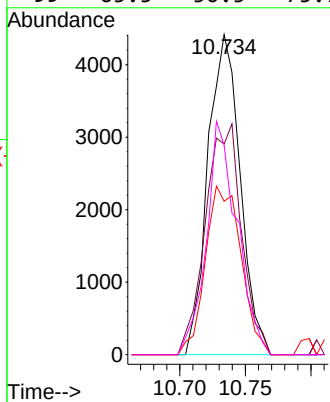
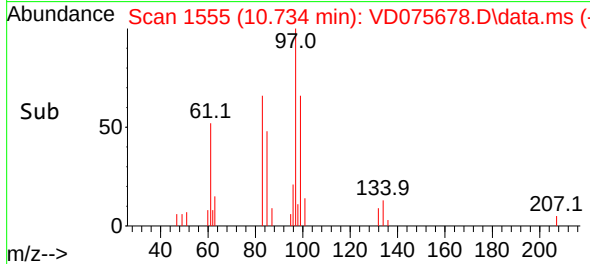
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2023



Tgt Ion	Ratio	Lower	Upper
97	100		
83	65.8	74.2	111.4
85	48.0	45.4	68.0
99	65.5	50.5	75.7

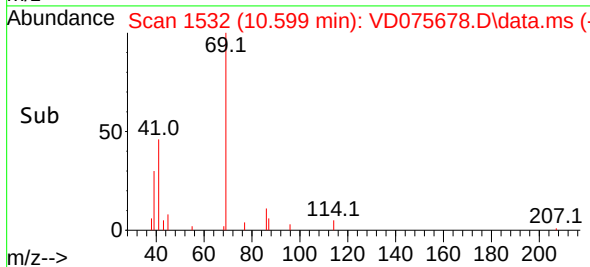
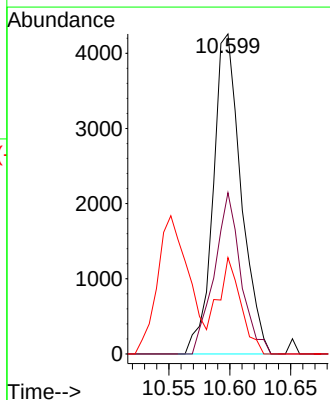
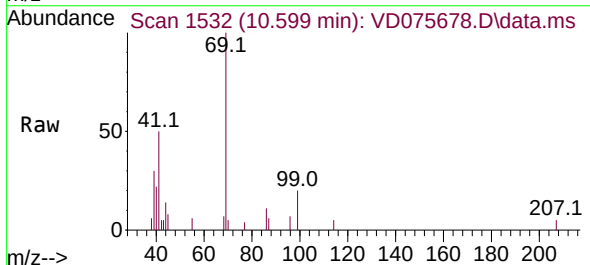
Manual Integrations
APPROVED

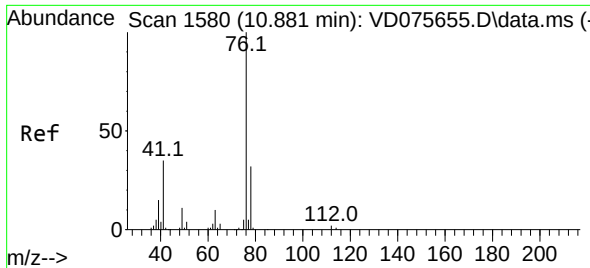
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#56
Ethyl methacrylate
Concen: 3.478 ug/l
RT: 10.599 min Scan# 1532
Delta R.T. 0.001 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

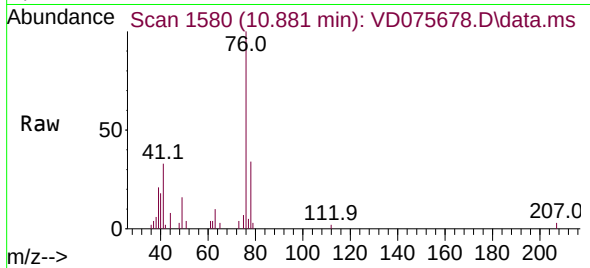
Tgt Ion	Ratio	Lower	Upper
69	100		
41	47.8	59.3	88.9
39	24.5	36.0	54.0





#57
1,3-Dichloropropane
Concen: 3.987 ug/l
RT: 10.881 min Scan# 1580
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

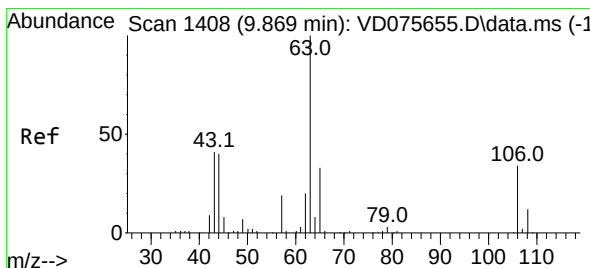
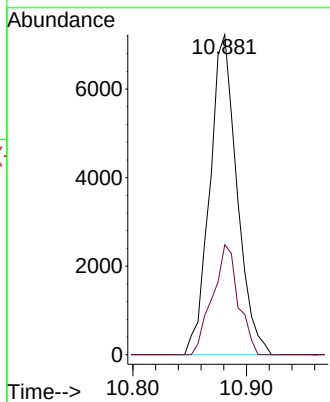
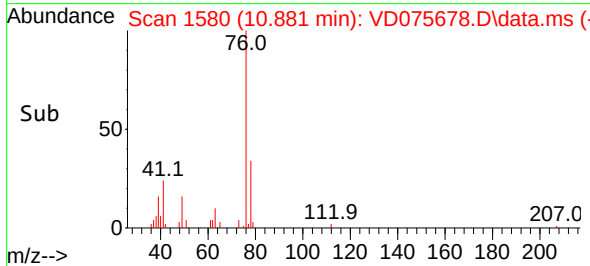
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2023



Tgt Ion: 76 Resp: 1203
Ion Ratio Lower Upper
76 100
78 32.5 25.6 38.4

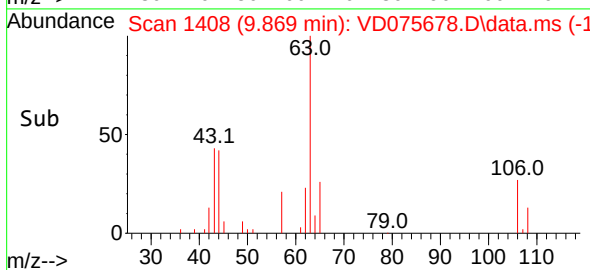
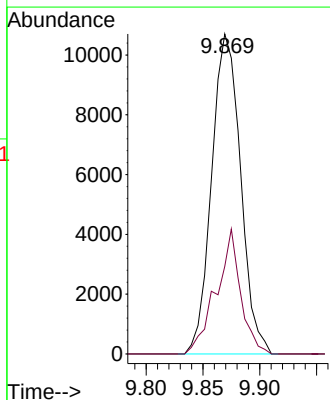
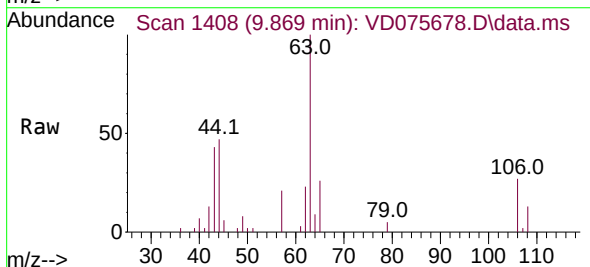
Manual Integrations
APPROVED

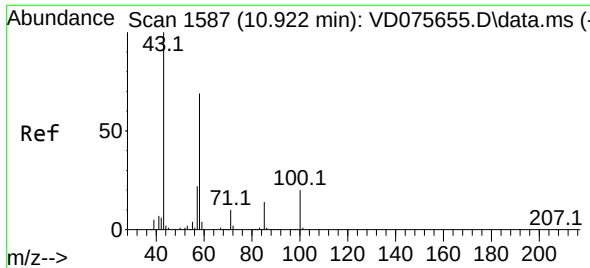
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#58
2-Chloroethyl Vinyl ether
Concen: 22.569 ug/l
RT: 9.869 min Scan# 1408
Delta R.T. 0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

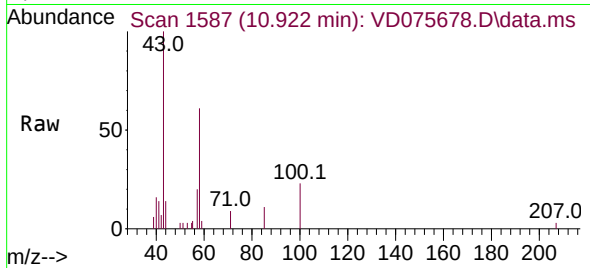
Tgt Ion: 63 Resp: 18961
Ion Ratio Lower Upper
63 100
106 33.0 21.4 32.2





#59
2-Hexanone
Concen: 16.874 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

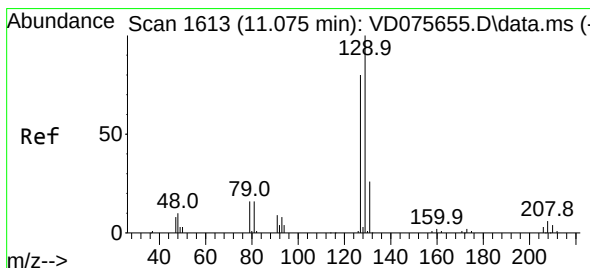
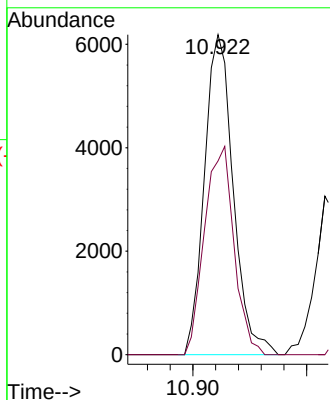
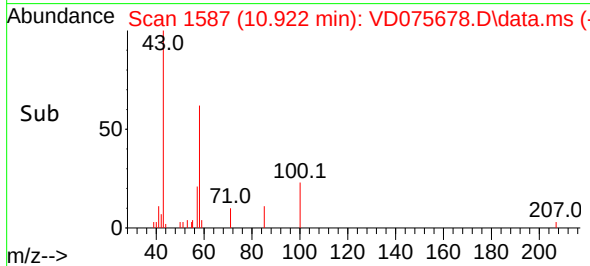
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 43 Resp: 1090
Ion Ratio Lower Upper
43 100
58 66.4 25.3 75.8

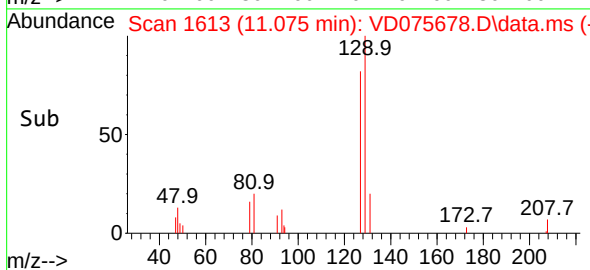
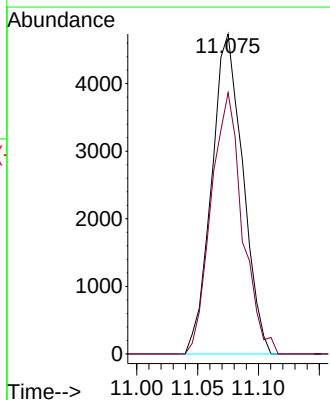
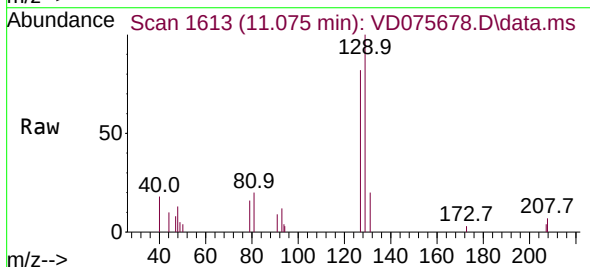
Manual Integrations
APPROVED

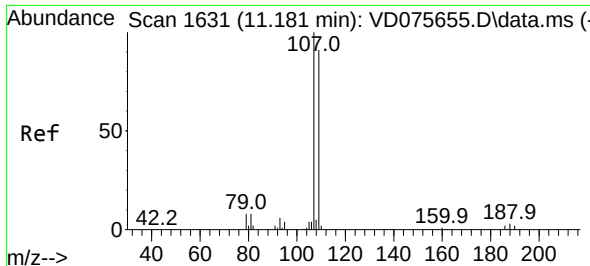
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#60
Dibromochloromethane
Concen: 3.636 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

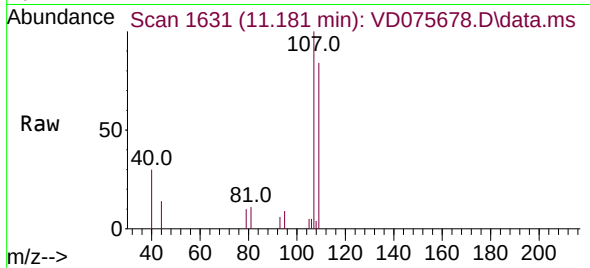
Tgt Ion:129 Resp: 8457
Ion Ratio Lower Upper
129 100
127 81.6 38.1 114.5





#61
1,2-Dibromoethane
Concen: 3.588 ug/l
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

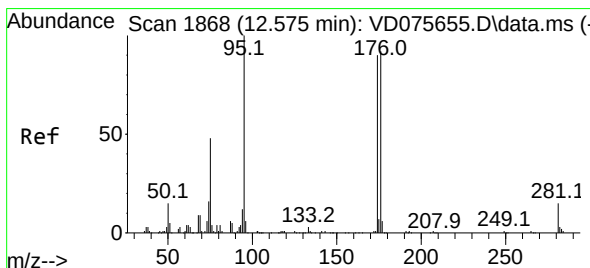
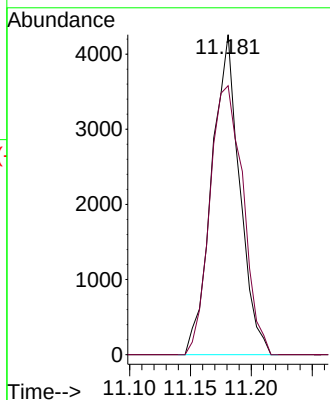
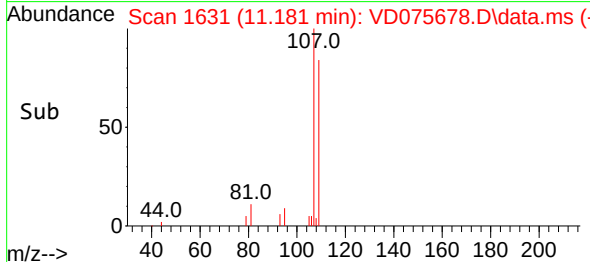
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



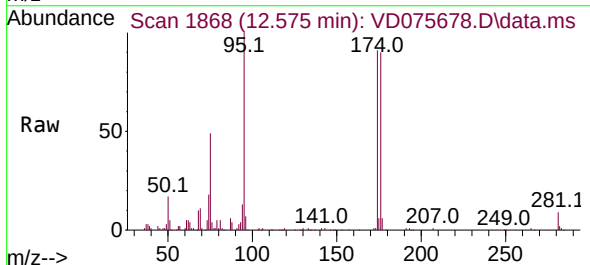
Tgt Ion:107 Resp: 680
Ion Ratio Lower Upper
107 100
109 99.8 73.6 110.4

Manual Integrations
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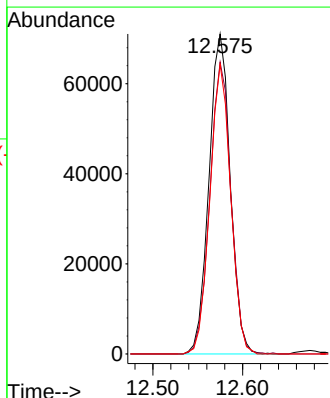
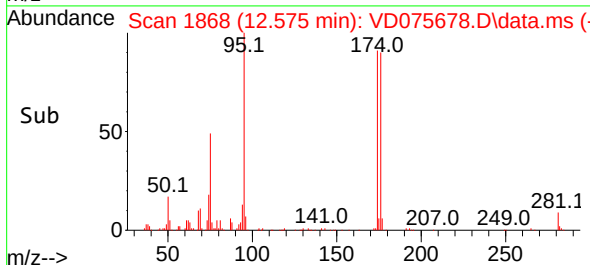
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023

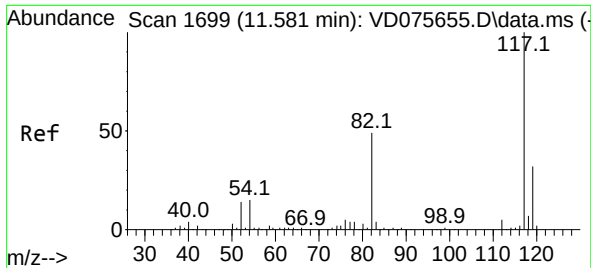


#62
4-Bromofluorobenzene
Concen: 48.873 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27



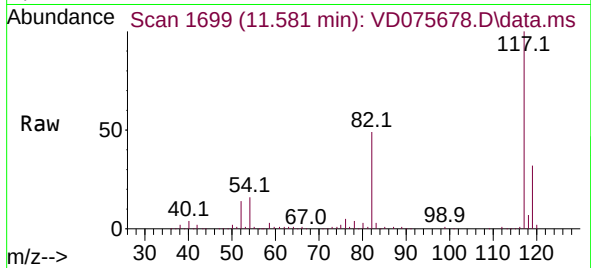
Tgt Ion: 95 Resp: 117135
Ion Ratio Lower Upper
95 100
174 90.4 0.0 164.0
176 88.1 0.0 156.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

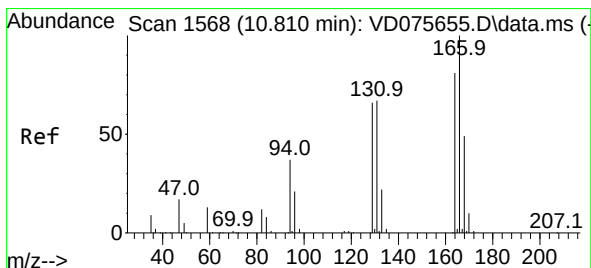
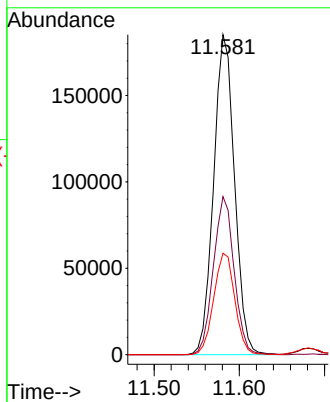
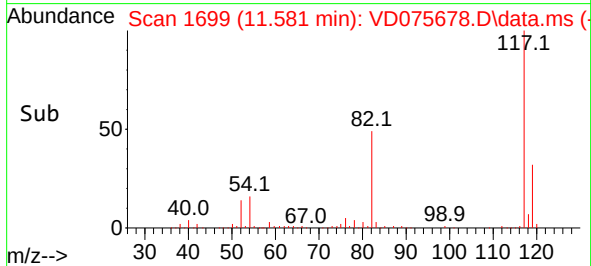
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



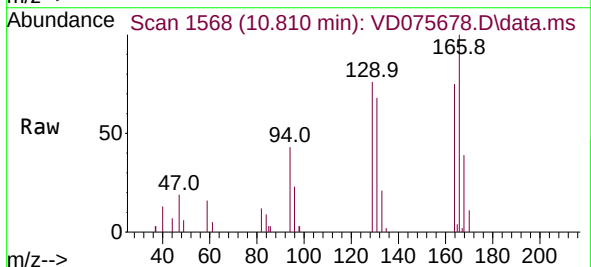
Tgt Ion:117 Resp: 315774
Ion Ratio Lower Upper
117 100
82 49.4 44.0 66.0
119 31.7 25.1 37.7

Manual Integrations
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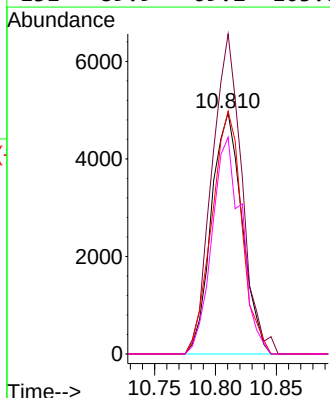
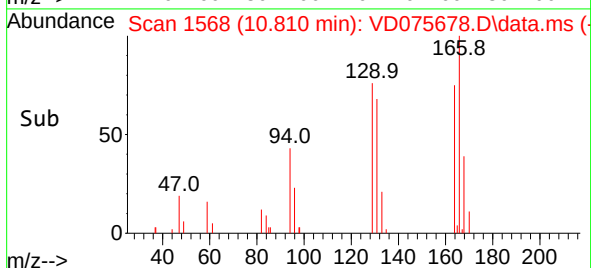
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023

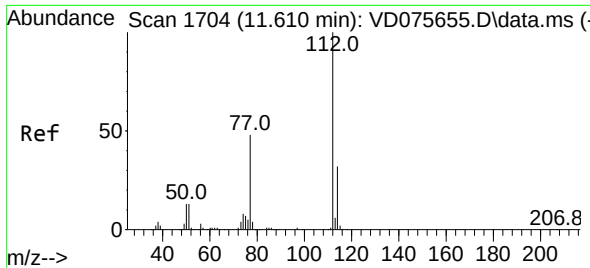


#64
Tetrachloroethene
Concen: 3.822 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27



Tgt Ion:164 Resp: 8692
Ion Ratio Lower Upper
164 100
166 132.7 94.9 142.3
129 100.7 73.0 109.6
131 89.9 69.2 103.8





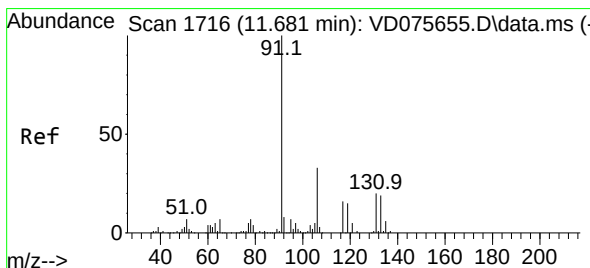
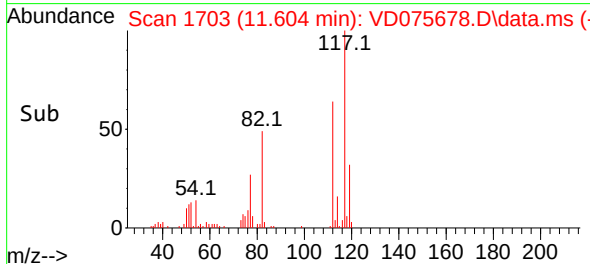
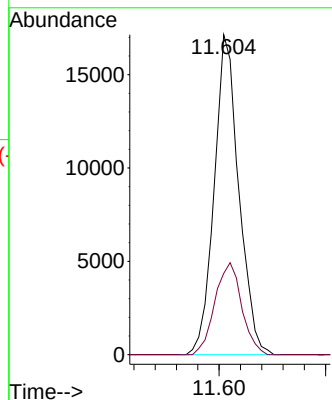
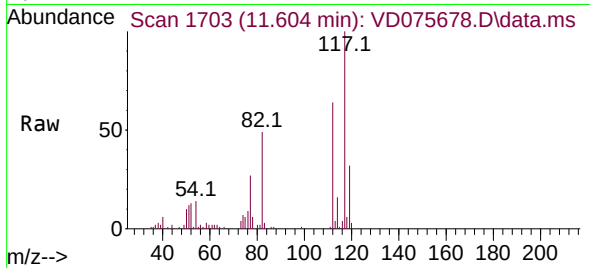
#65
Chlorobenzene
Concen: 4.056 ug/l
RT: 11.604 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:112 Resp: 2743
Ion Ratio Lower Upper
112 100
114 25.4 25.8 38.8

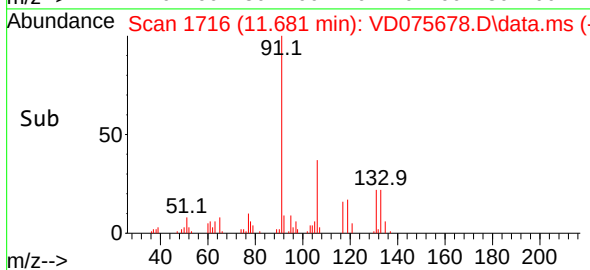
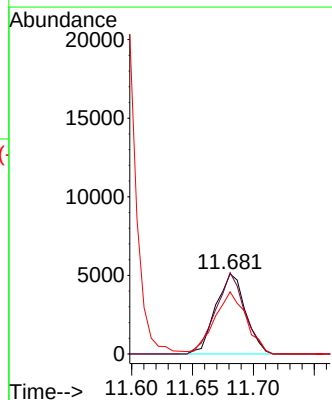
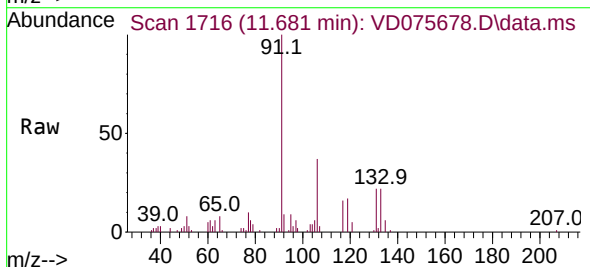
Manual Integrations
APPROVED

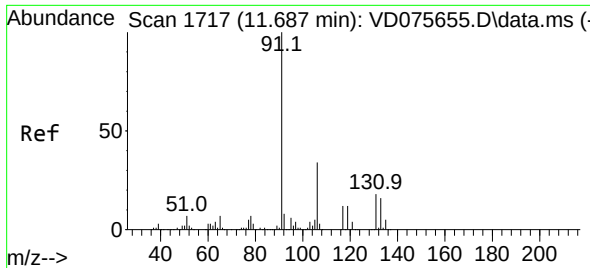
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 3.721 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

Tgt Ion:131 Resp: 8651
Ion Ratio Lower Upper
131 100
133 98.6 46.7 140.0
119 82.7 31.9 95.9





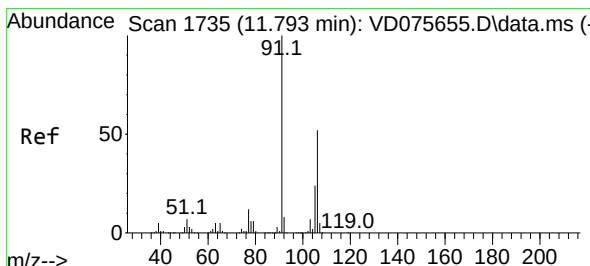
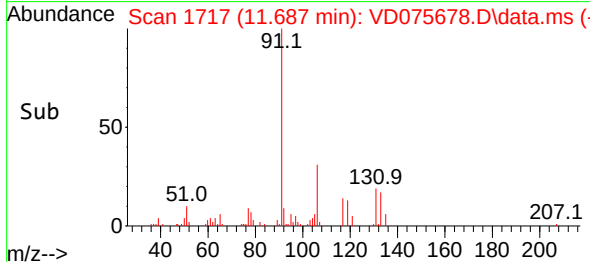
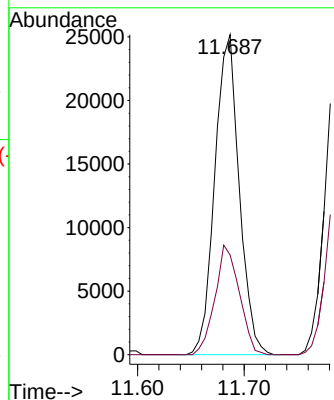
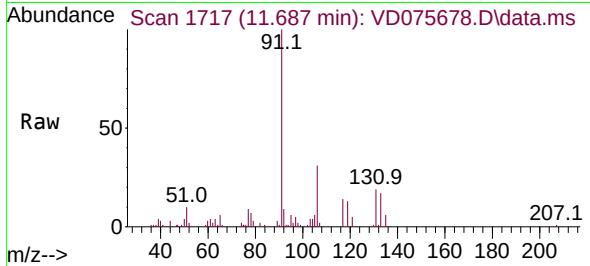
#67
Ethyl Benzene
Concen: 3.640 ug/l
RT: 11.687 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

Instrument : MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion: 91 Resp: 39950
Ion Ratio Lower Upper
91 100
106 31.1 24.5 36.7

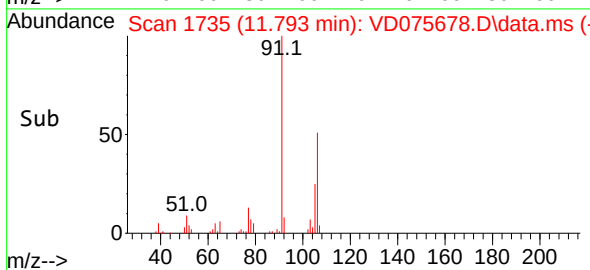
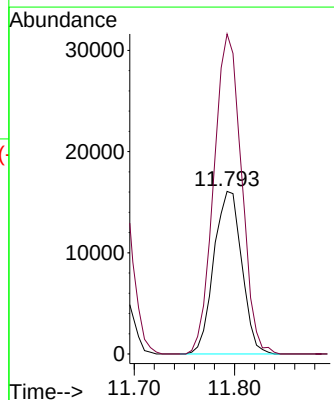
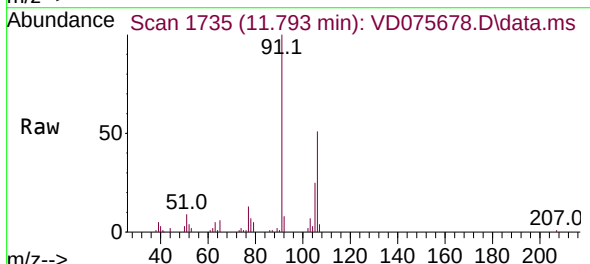
Manual Integrations
APPROVED

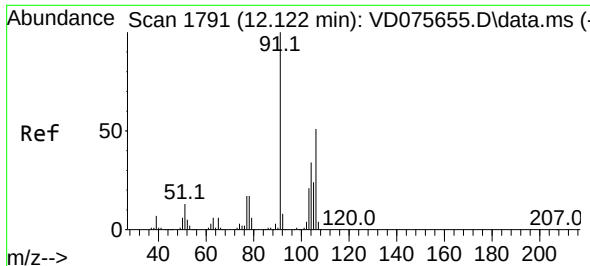
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#68
m/p-Xylenes
Concen: 6.912 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

Tgt Ion:106 Resp: 31093
Ion Ratio Lower Upper
106 100
91 194.7 161.5 242.3





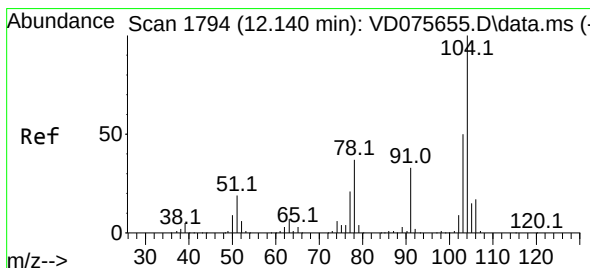
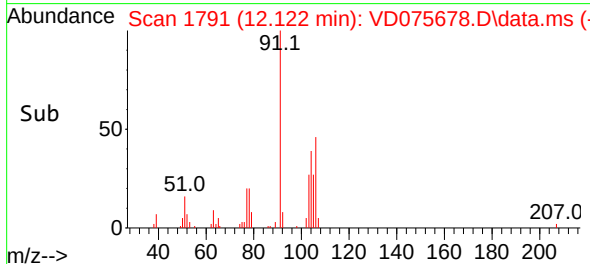
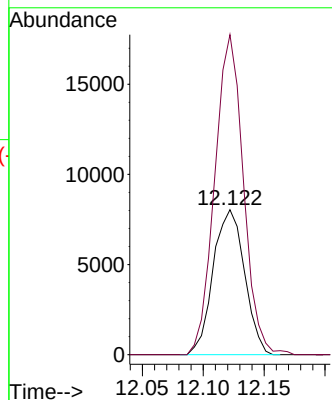
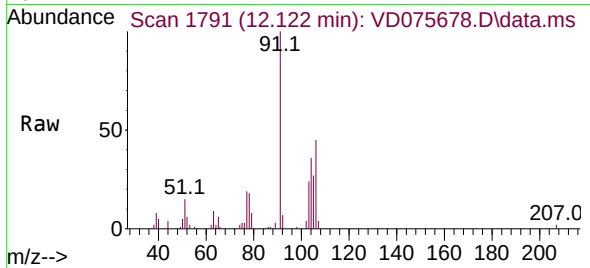
#69
o-Xylene
Concen: 3.545 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:106 Resp: 14420
Ion Ratio Lower Upper
106 100
91 201.9 105.7 317.1

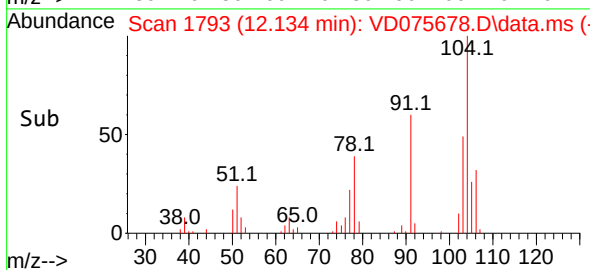
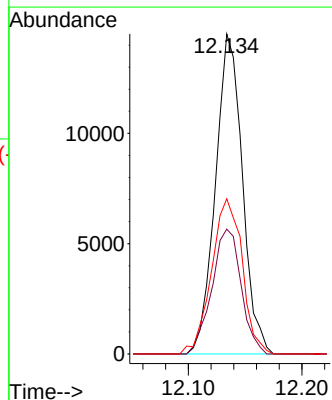
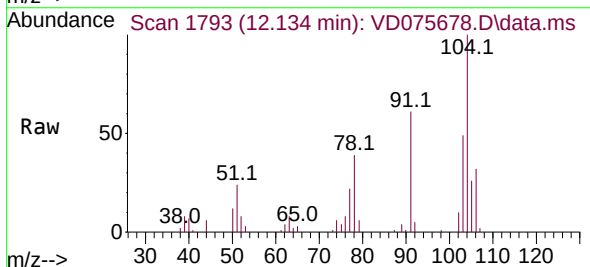
Manual Integrations
APPROVED

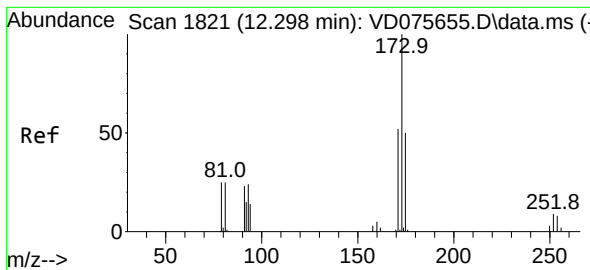
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#70
Styrene
Concen: 3.451 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

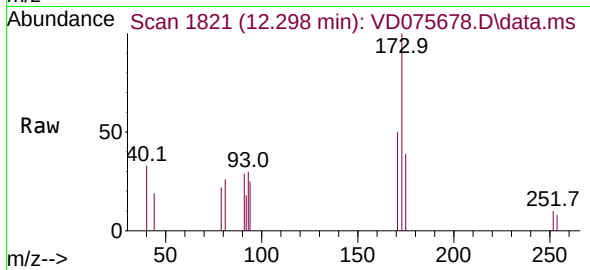
Tgt Ion:104 Resp: 23902
Ion Ratio Lower Upper
104 100
78 42.5 40.2 60.4
103 55.2 44.2 66.2





#71
Bromoform
Concen: 4.085 ug/l
RT: 12.298 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

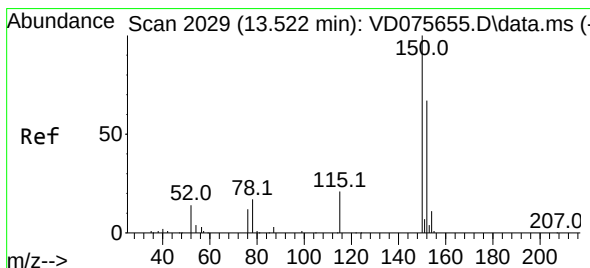
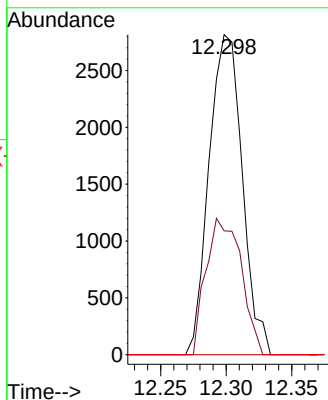
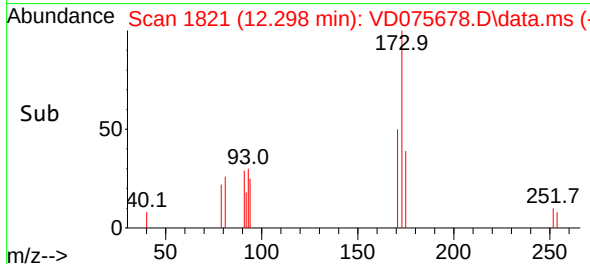
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



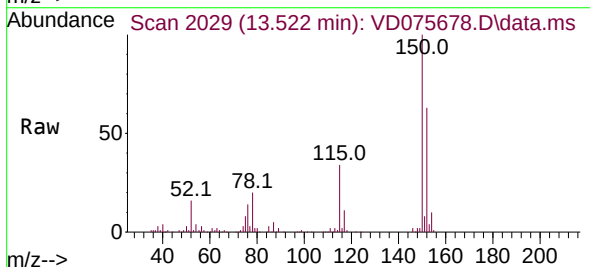
Tgt Ion:173 Resp: 496
Ion Ratio Lower Upper
173 100
175 45.1 23.5 70.5
254 0.0 0.0 0.0

Manual Integrations
APPROVED

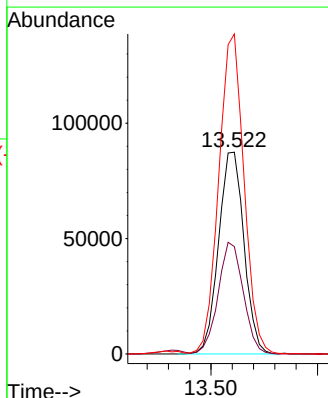
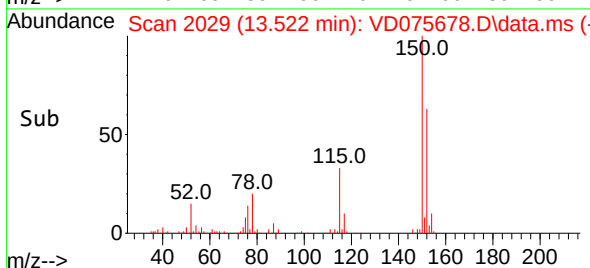
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023

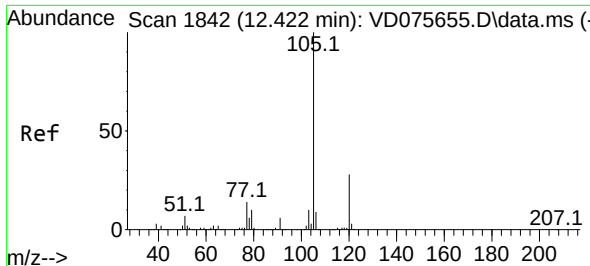


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27



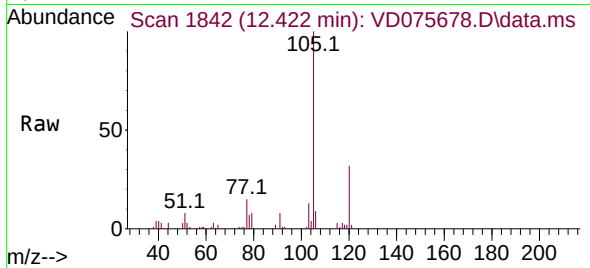
Tgt Ion:152 Resp: 144729
Ion Ratio Lower Upper
152 100
115 54.8 30.1 90.3
150 157.8 0.0 364.8





#73
Isopropylbenzene
Concen: 3.597 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

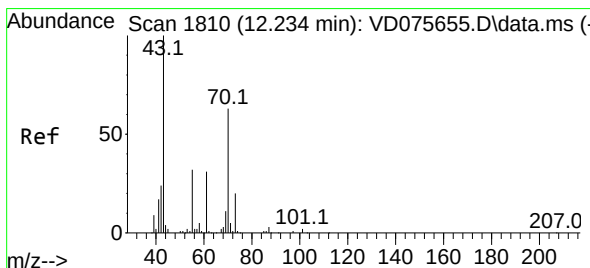
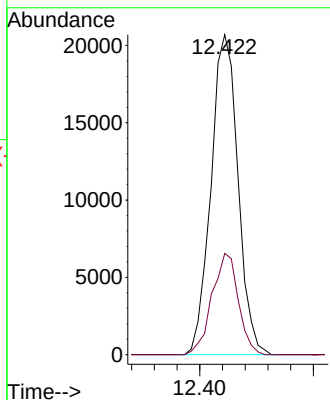
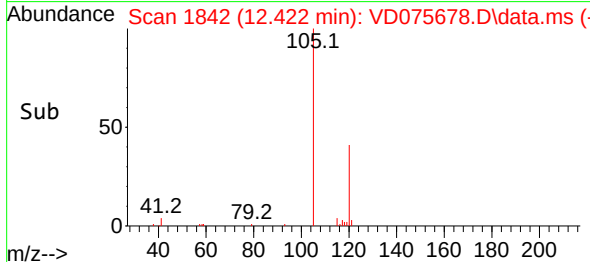
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 105 Resp: 34169
Ion Ratio Lower Upper
105 100
120 30.9 13.4 40.1

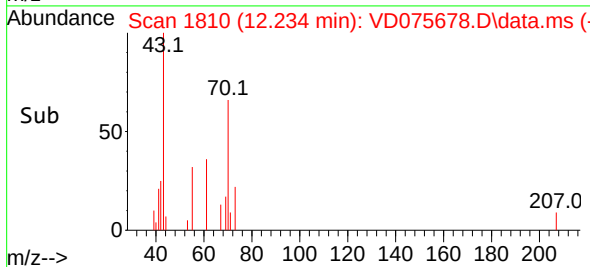
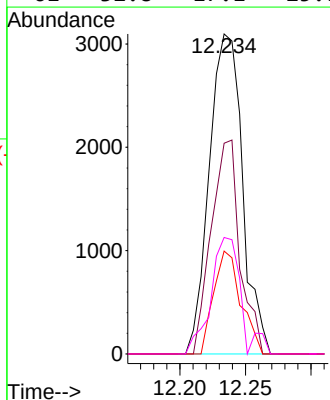
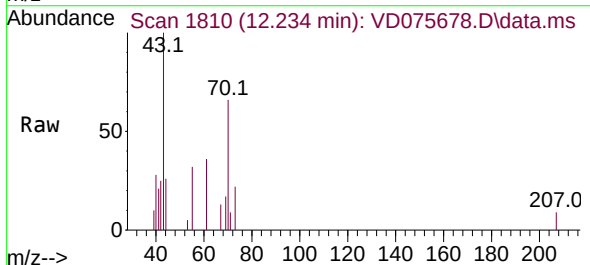
Manual Integrations
APPROVED

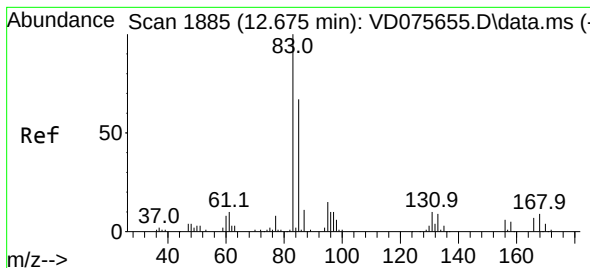
Reviewed By : John Carlone 04/17/2023
Supervised By : Mahesh Dadoda 04/17/2023



#74
N-ethyl acetate
Concen: 3.910 ug/l
RT: 12.234 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

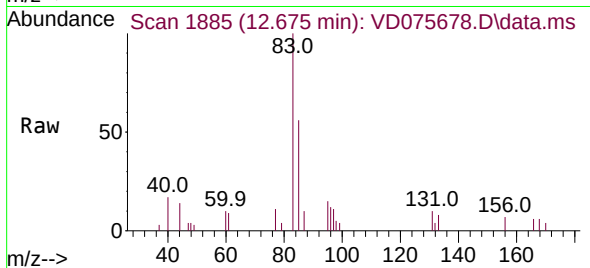
Tgt Ion: 43 Resp: 5458
Ion Ratio Lower Upper
43 100
70 57.6 31.0 46.4#
55 26.5 18.6 28.0
61 32.8 17.1 25.7#





#75
1,1,2,2-Tetrachloroethane
Concen: 4.615 ug/l
RT: 12.675 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

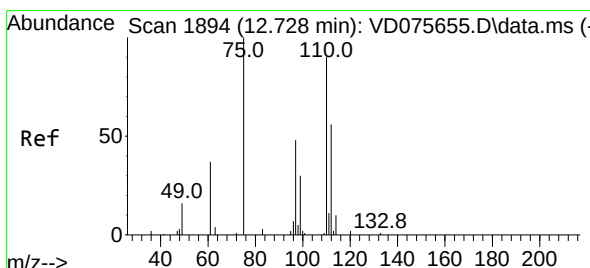
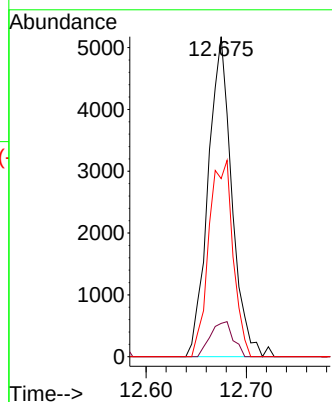
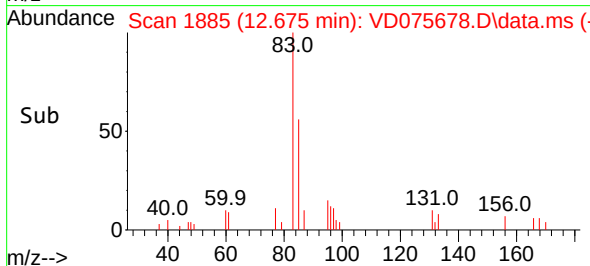
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2023



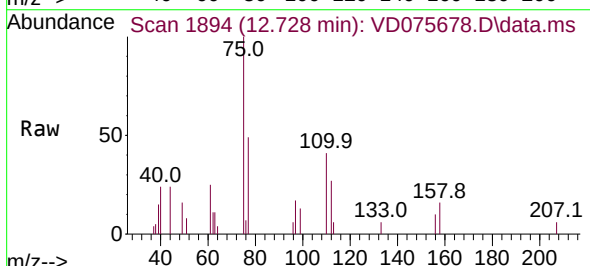
Tgt Ion: 83 Resp: 851
Ion Ratio Lower Upper
83 100
131 10.5 5.1 15.2
85 62.3 33.6 100.6

Manual Integrations
APPROVED

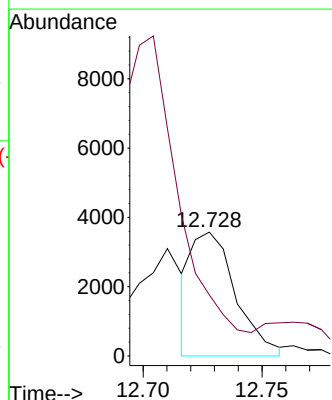
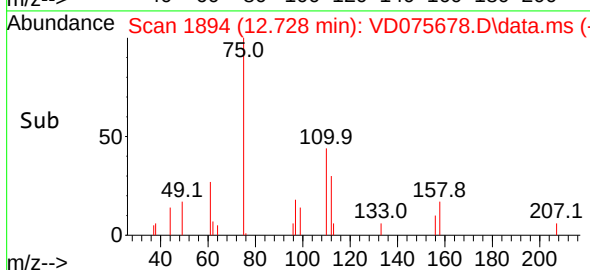
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023

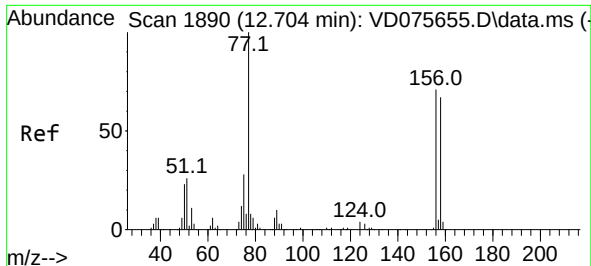


#76
1,2,3-Trichloropropane
Concen: 3.932 ug/l m
RT: 12.728 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27



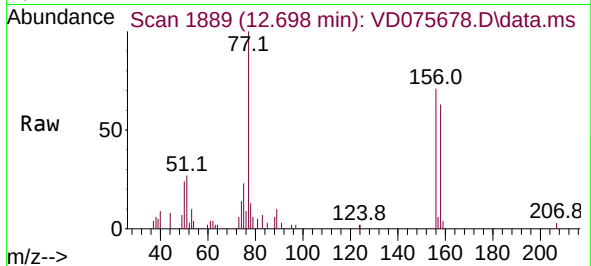
Tgt Ion: 75 Resp: 4641
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 3.942 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. -0.006 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

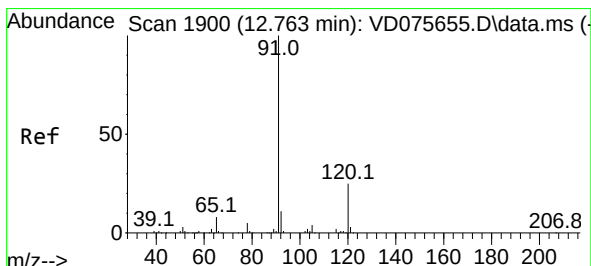
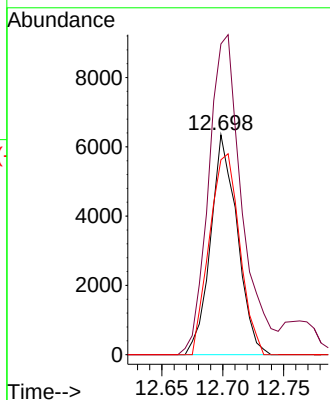
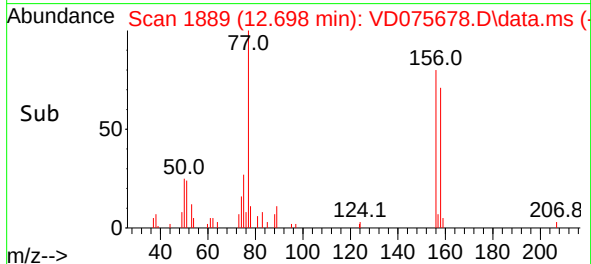
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



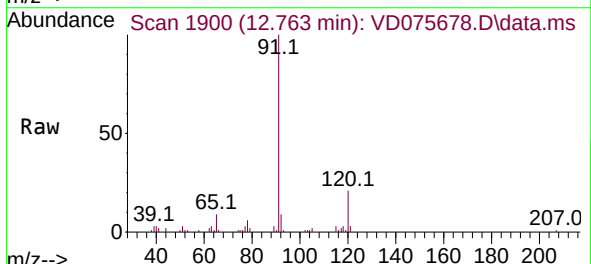
Tgt Ion: 156 Resp: 9654
Ion Ratio Lower Upper
156 100
77 182.1 89.5 268.6
158 103.9 47.8 143.4

Manual Integrations
APPROVED

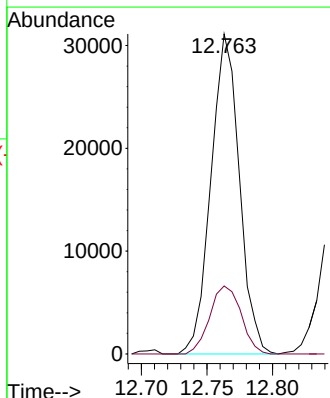
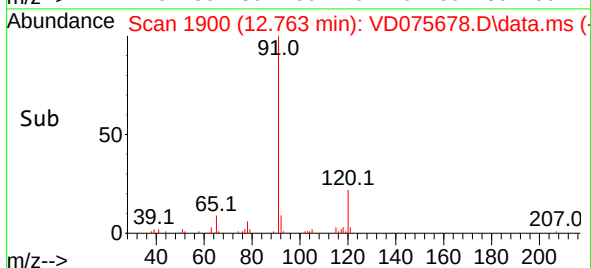
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023

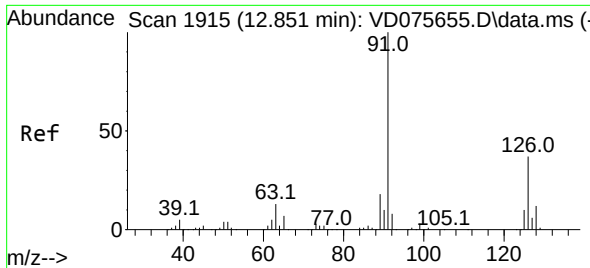


#78
n-propylbenzene
Concen: 4.024 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27



Tgt Ion: 91 Resp: 46851
Ion Ratio Lower Upper
91 100
120 23.4 11.4 34.2





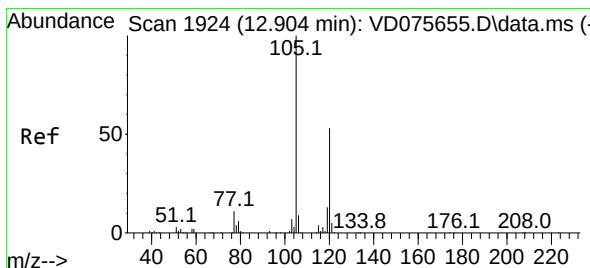
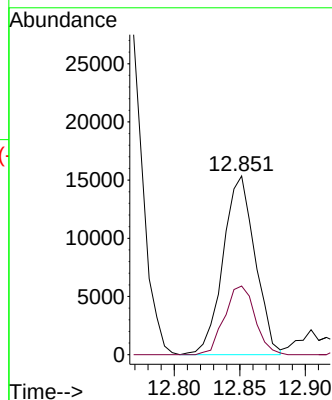
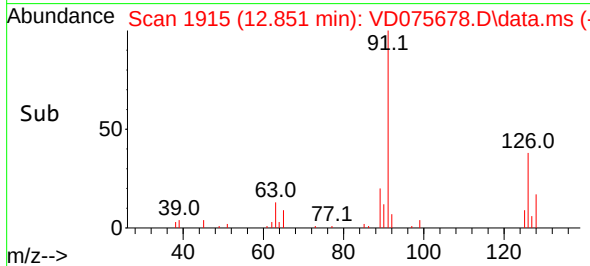
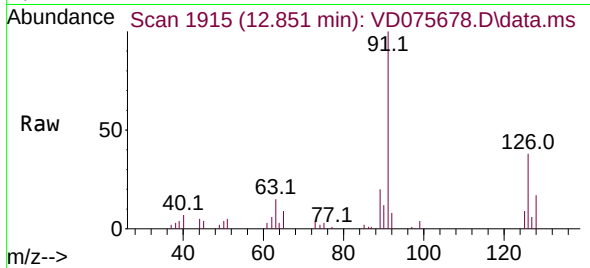
#79
2-Chlorotoluene
Concen: 3.954 ug/l
RT: 12.851 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion: 91 Resp: 26114
Ion Ratio Lower Upper
91 100
126 36.5 16.8 50.3

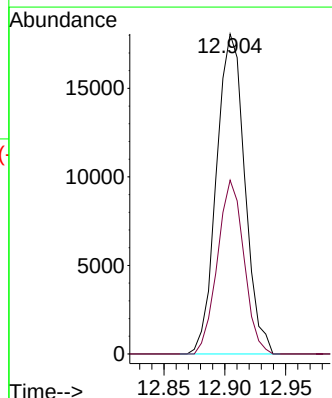
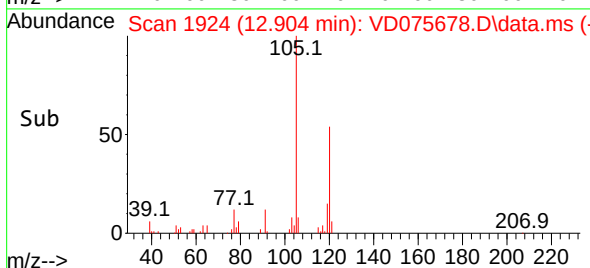
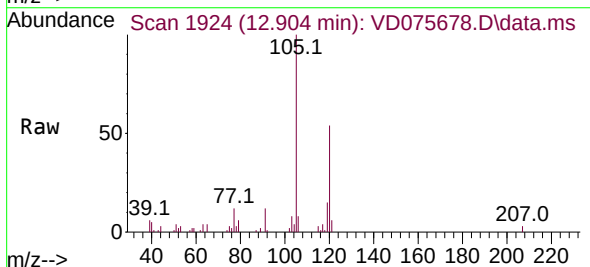
Manual Integrations
APPROVED

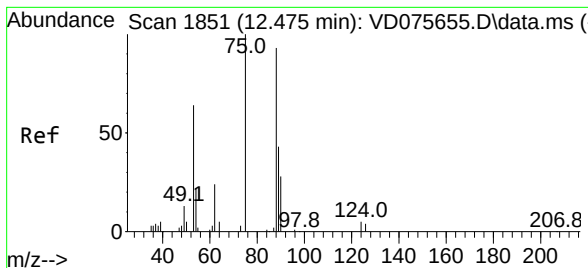
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#80
1,3,5-Trimethylbenzene
Concen: 3.691 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

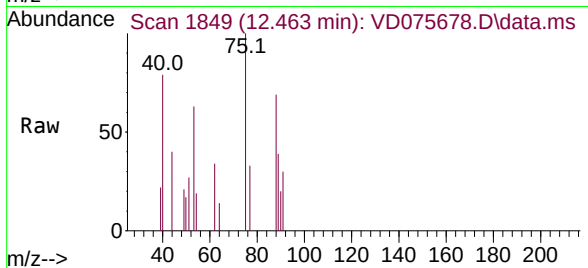
Tgt Ion:105 Resp: 29226
Ion Ratio Lower Upper
105 100
120 50.8 24.3 72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 4.119 ug/l
RT: 12.463 min Scan# 1849
Delta R.T. -0.012 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

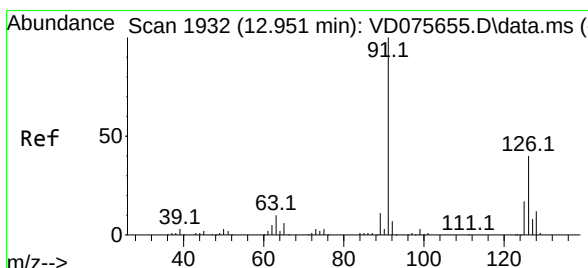
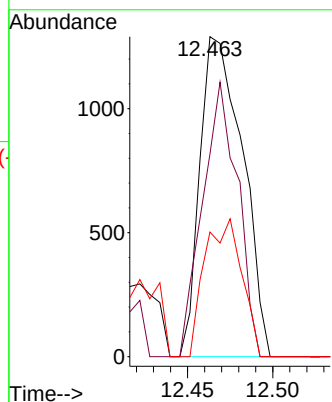
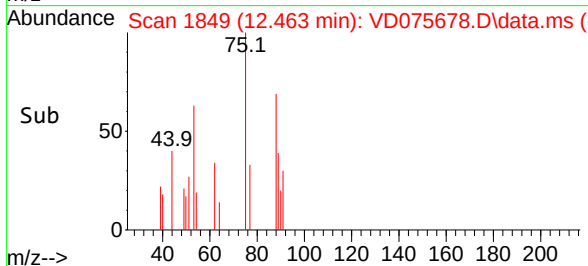
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2023



Tgt Ion: 75 Resp: 224
Ion Ratio Lower Upper
75 100
53 70.6 90.5 135.7
89 37.6 40.2 60.4

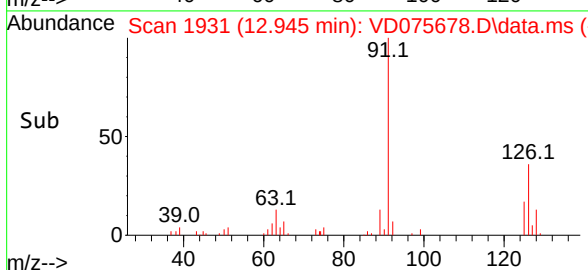
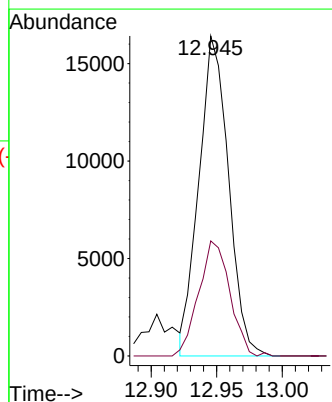
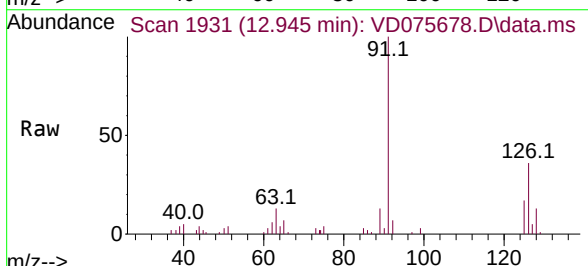
Manual Integrations
APPROVED

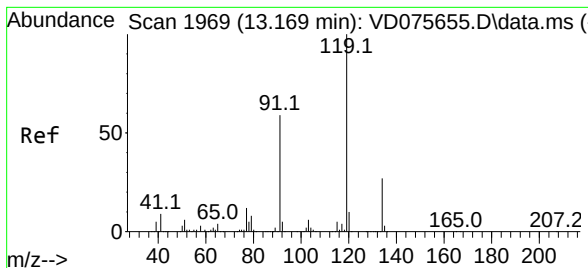
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#82
4-Chlorotoluene
Concen: 3.758 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. -0.006 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

Tgt Ion: 91 Resp: 25805
Ion Ratio Lower Upper
91 100
126 37.8 17.1 51.2





#83

tert-Butylbenzene

Concen: 3.597 ug/l

RT: 13.169 min Scan# 1969

Delta R.T. -0.000 min

Lab File: VD075678.D

Acq: 14 Apr 2023 14:27

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023

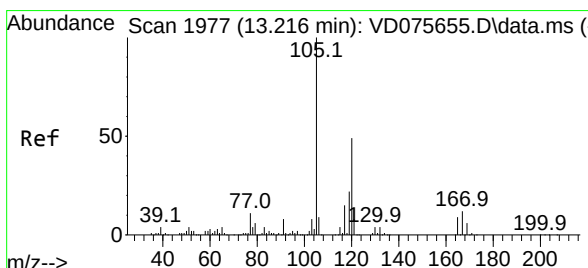
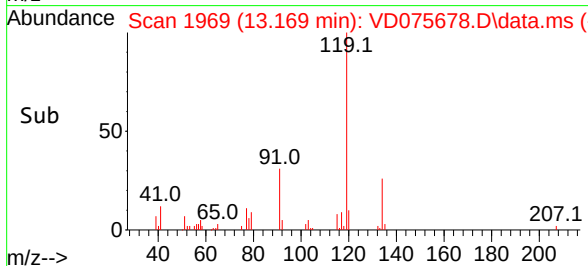
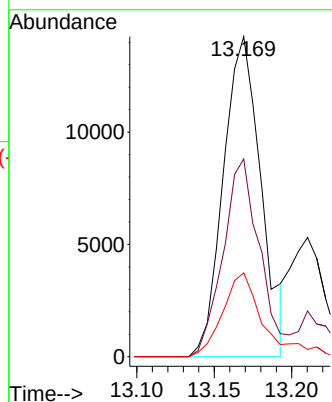
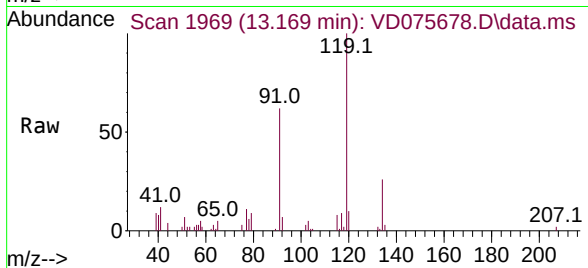
Tgt Ion:	119	Resp:	2401
Ion Ratio	Lower	Upper	
119	100		
91	60.7	32.4	97.0
134	28.3	13.0	39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#84

1,2,4-Trimethylbenzene

Concen: 3.431 ug/l

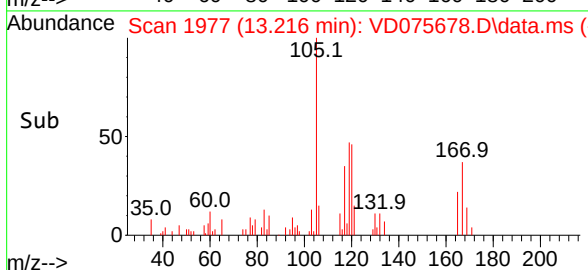
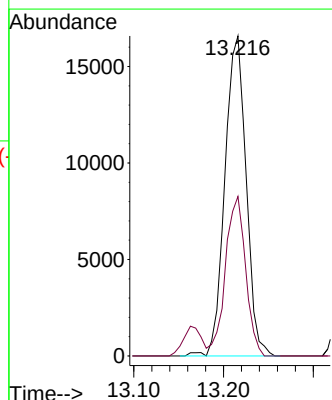
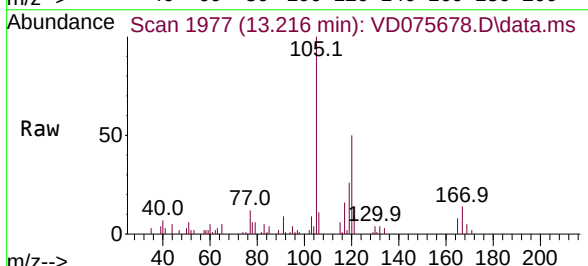
RT: 13.216 min Scan# 1977

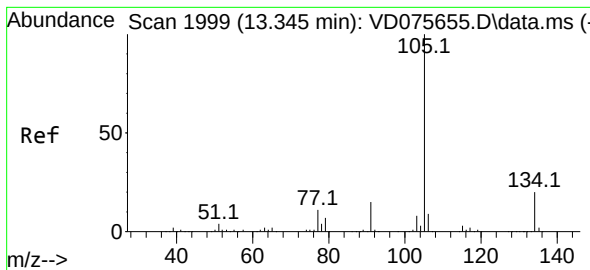
Delta R.T. 0.000 min

Lab File: VD075678.D

Acq: 14 Apr 2023 14:27

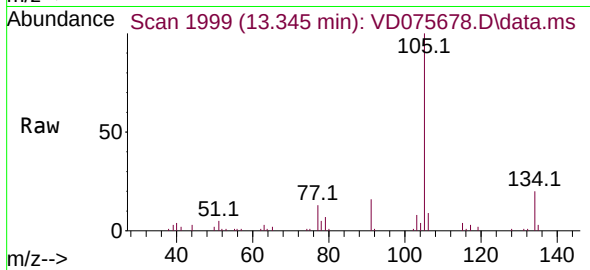
Tgt Ion:	105	Resp:	27260
Ion Ratio	Lower	Upper	
105	100		
120	47.4	22.3	66.9





#85
 sec-Butylbenzene
 Concen: 3.738 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VD075678.D
 Acq: 14 Apr 2023 14:27

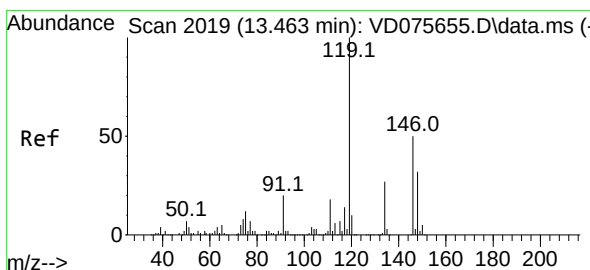
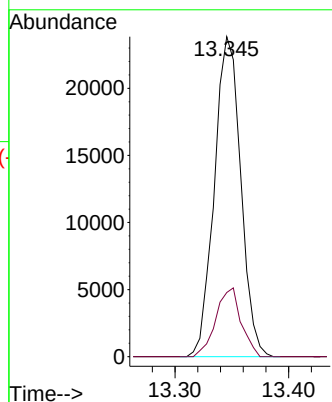
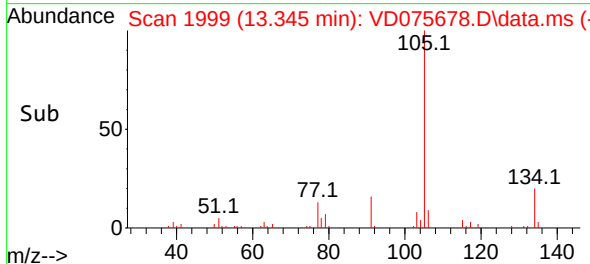
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2023



Tgt Ion:105 Resp: 38500
 Ion Ratio Lower Upper
 105 100
 134 20.5 9.9 29.7

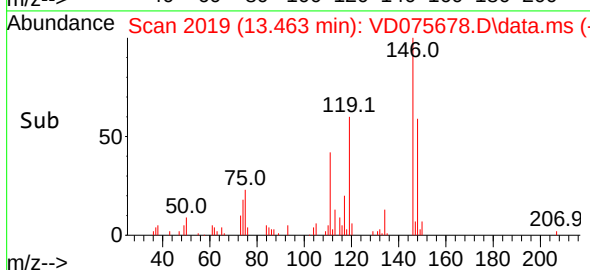
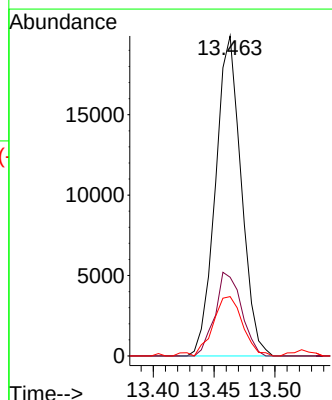
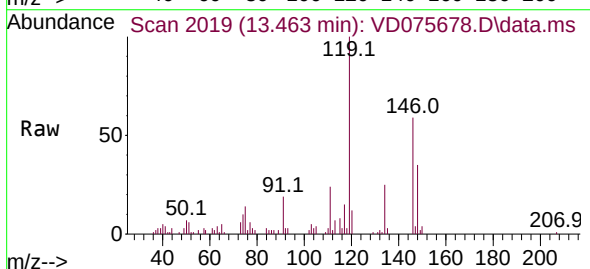
Manual Integrations
 APPROVED

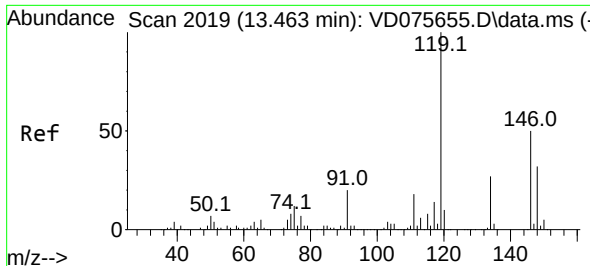
Reviewed By :John Carlone 04/17/2023
 Supervised By :Mahesh Dadoda 04/17/2023



#86
 p-Isopropyltoluene
 Concen: 3.406 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VD075678.D
 Acq: 14 Apr 2023 14:27

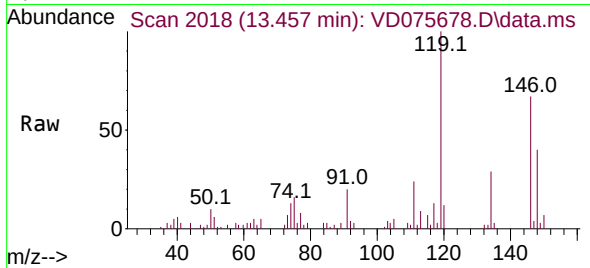
Tgt Ion:119 Resp: 29210
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.1 39.3
 91 21.5 12.4 37.4





#87
1,3-Dichlorobenzene
Concen: 3.991 ug/l
RT: 13.457 min Scan# 2019
Delta R.T. -0.006 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

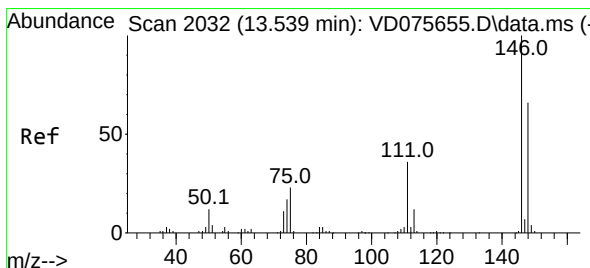
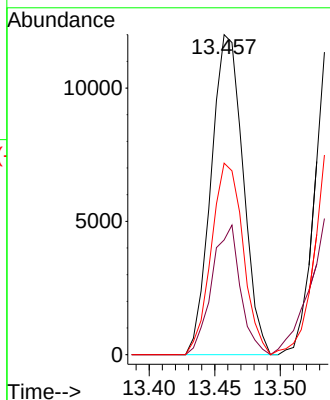
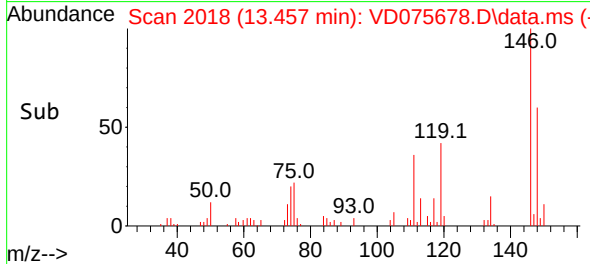
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2023



Tgt Ion:146 Resp: 20330
Ion Ratio Lower Upper
146 100
111 36.1 19.8 59.3
148 59.5 31.0 93.0

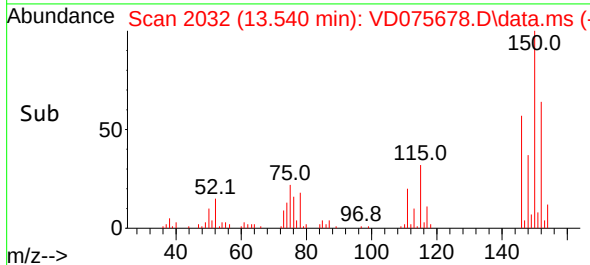
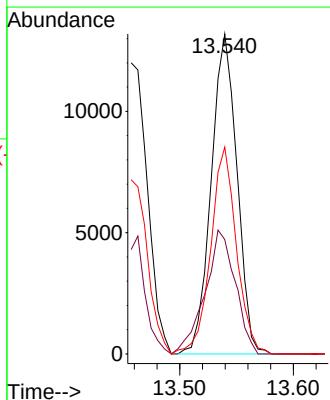
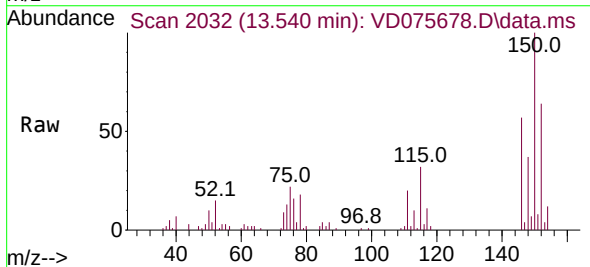
Manual Integrations
APPROVED

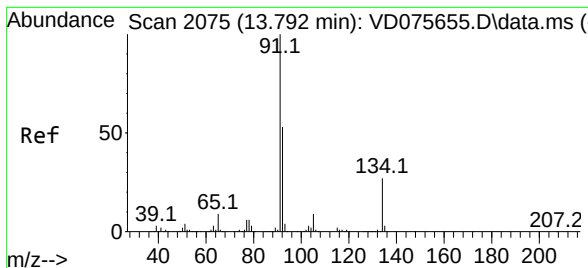
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#88
1,4-Dichlorobenzene
Concen: 4.130 ug/l
RT: 13.540 min Scan# 2032
Delta R.T. 0.001 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

Tgt Ion:146 Resp: 20785
Ion Ratio Lower Upper
146 100
111 45.4 19.6 58.8
148 64.7 31.7 95.1





#89

n-Butylbenzene

Concen: 3.650 ug/l

RT: 13.787 min Scan# 2075

Delta R.T. -0.005 min

Lab File: VD075678.D

Acq: 14 Apr 2023 14:27

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2023

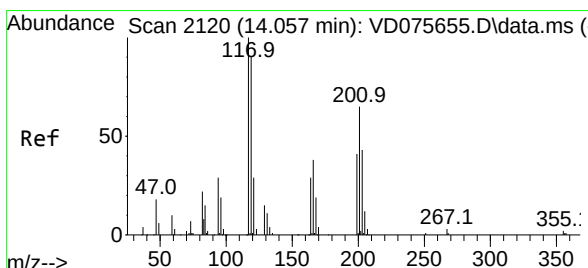
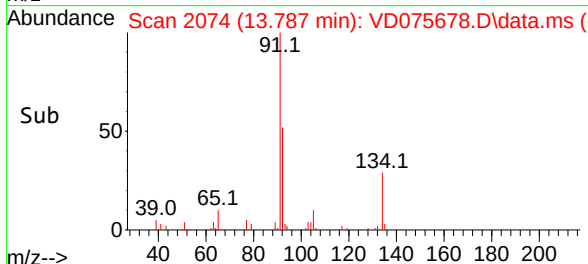
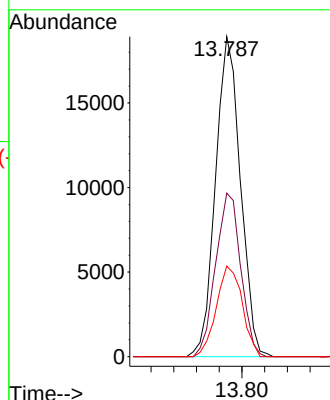
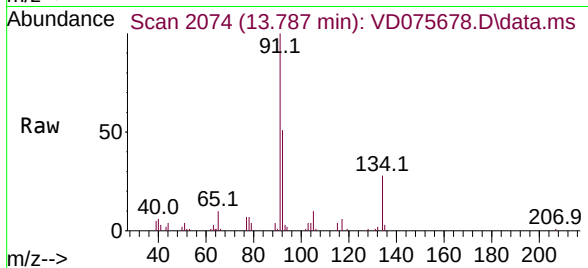
Tgt Ion:	91	Resp:	2883
Ion Ratio	Lower	Upper	
91	100		
92	51.5	26.2	78.5
134	29.3	12.7	38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#90

Hexachloroethane

Concen: 4.345 ug/l

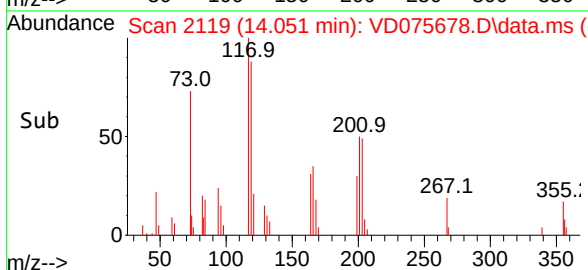
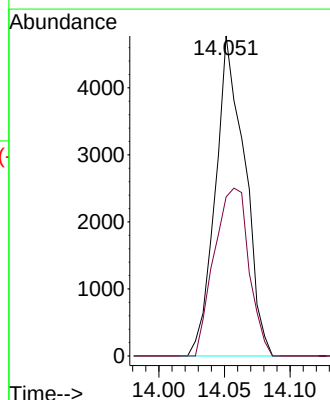
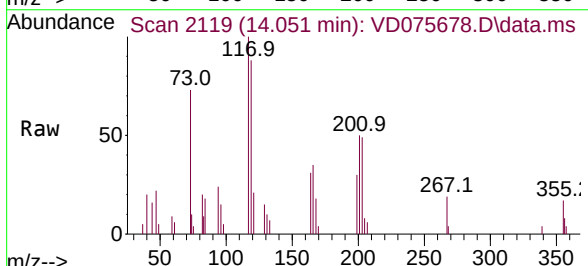
RT: 14.051 min Scan# 2119

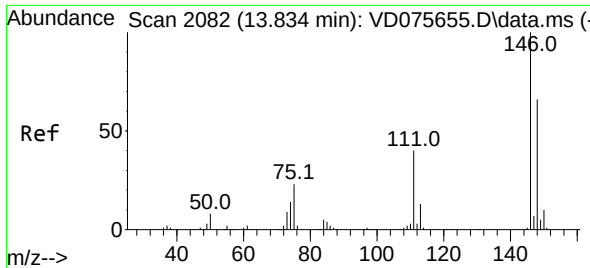
Delta R.T. -0.006 min

Lab File: VD075678.D

Acq: 14 Apr 2023 14:27

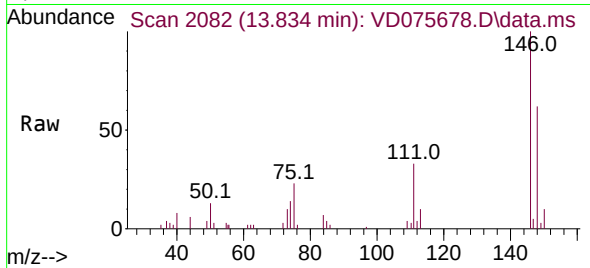
Tgt Ion:	117	Resp:	7402
Ion Ratio	Lower	Upper	
117	100		
201	62.3	34.5	103.6





#91
1,2-Dichlorobenzene
Concen: 4.085 ug/l
RT: 13.834 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

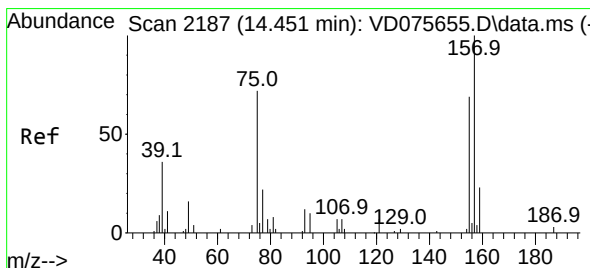
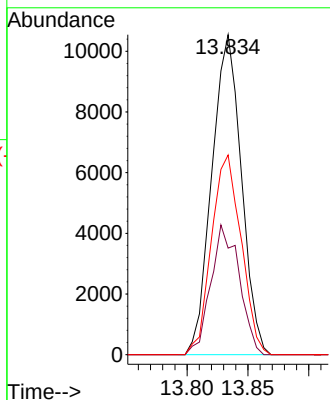
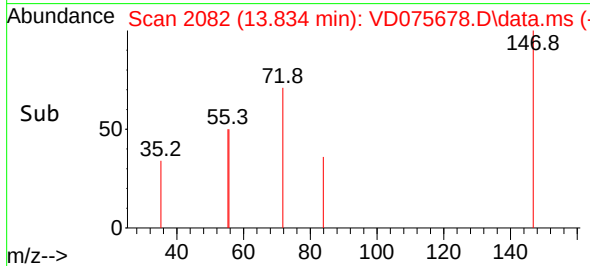
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



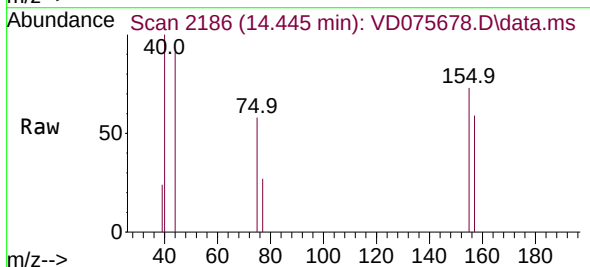
Tgt Ion:146 Resp: 1782
Ion Ratio Lower Upper
146 100
111 39.1 20.6 61.8
148 62.7 32.0 96.2

Manual Integrations
APPROVED

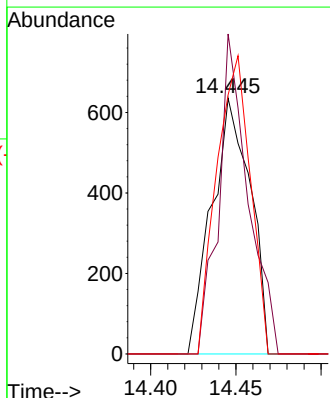
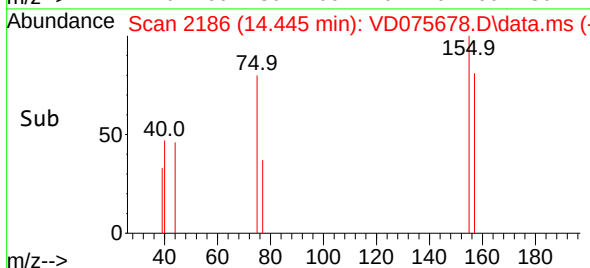
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023

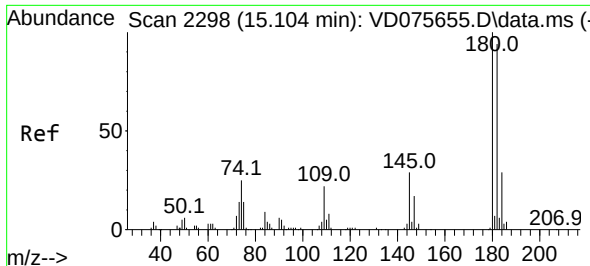


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.047 ug/l
RT: 14.445 min Scan# 2186
Delta R.T. -0.006 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27



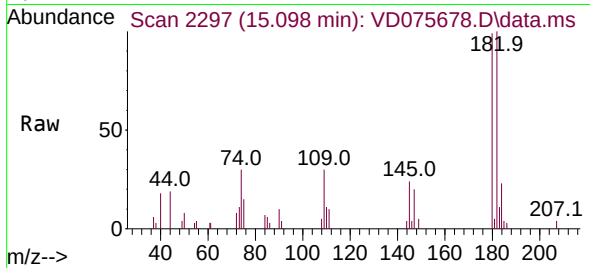
Tgt Ion: 75 Resp: 1001
Ion Ratio Lower Upper
75 100
155 95.6 39.5 118.5
157 102.2 53.5 160.7





#93
1,2,4-Trichlorobenzene
Concen: 3.528 ug/l
RT: 15.098 min Scan# 2298
Delta R.T. -0.006 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

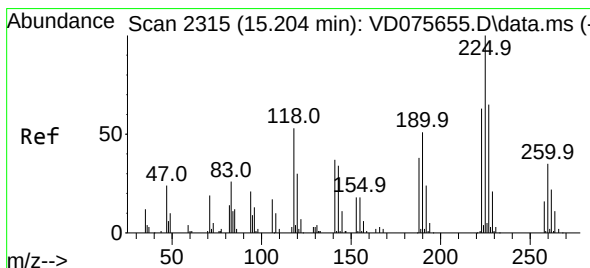
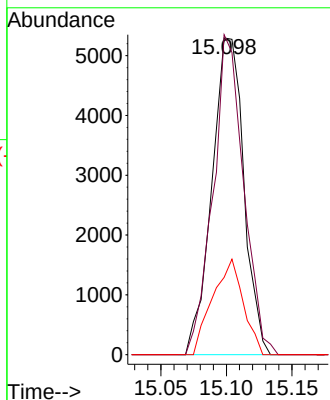
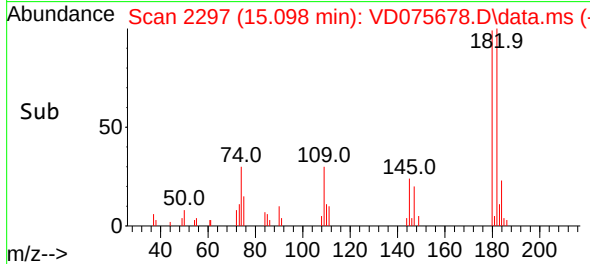
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2023



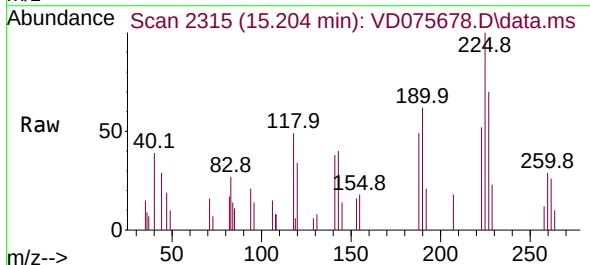
Tgt Ion:180 Resp: 895
Ion Ratio Lower Upper
180 100
182 96.7 47.9 143.7
145 29.0 15.9 47.7

Manual Integrations
APPROVED

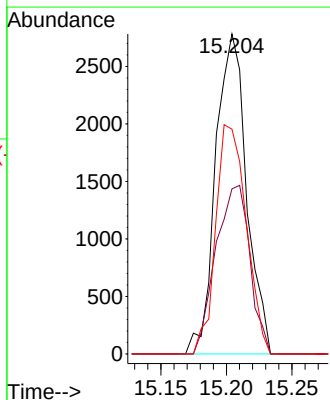
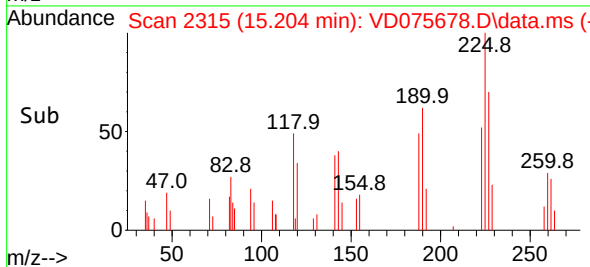
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023

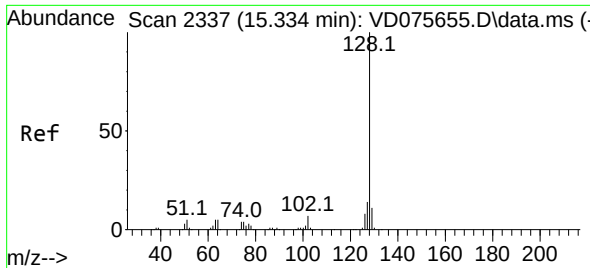


#94
Hexachlorobutadiene
Concen: 3.757 ug/l
RT: 15.204 min Scan# 2315
Delta R.T. 0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27



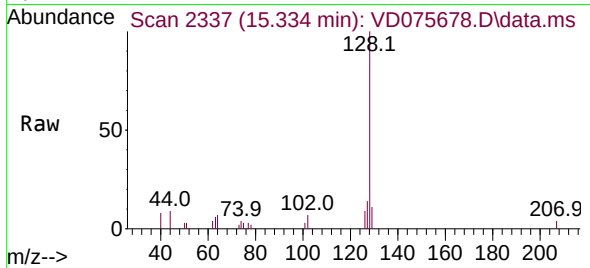
Tgt Ion:225 Resp: 4559
Ion Ratio Lower Upper
225 100
223 58.0 33.1 99.2
227 70.9 31.9 95.9





#95
Naphthalene
Concen: 3.523 ug/l
RT: 15.334 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27

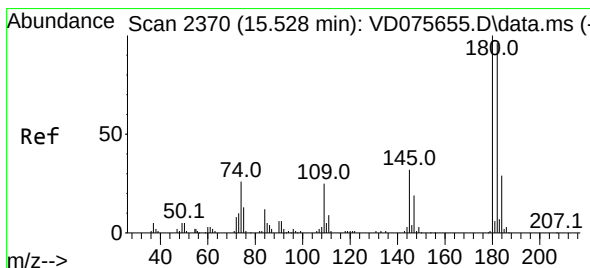
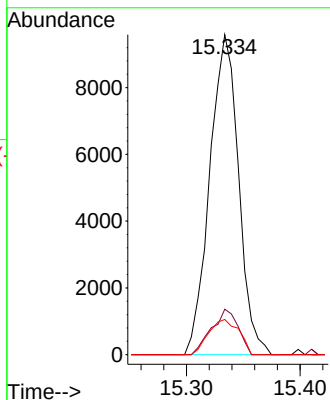
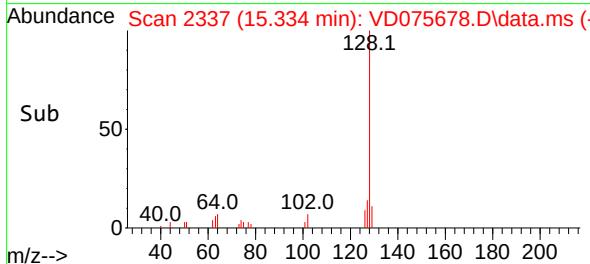
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2023



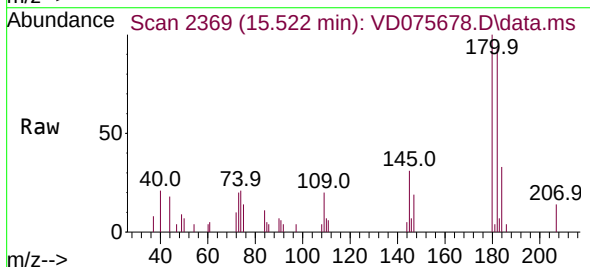
Tgt Ion:128 Resp: 1694
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.5 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#96
1,2,3-Trichlorobenzene
Concen: 3.686 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. -0.006 min
Lab File: VD075678.D
Acq: 14 Apr 2023 14:27



Tgt Ion:180 Resp: 8237
Ion Ratio Lower Upper
180 100
182 93.7 47.7 143.1
145 26.9 16.4 49.4

