

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040523\
 Data File : VD075581.D
 Acq On : 05 Apr 2023 16:40
 Operator : KP/SY
 Sample : 01378-03
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT1-2023-01

Quant Time: Apr 05 23:38:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDL033123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Apr 01 00:08:20 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/06/2023
 Supervised By :Semsettin Yesilyurt 04/06/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	325456	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	294440	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	155916	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	197557	26.071	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 104.280%			
7) Chloroethane-d5	2.805	69	183501	27.214	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 108.840%			
11) 1,1-Dichloroethene-d2	3.916	63	125637	20.556	ug/L	-0.01
Spiked Amount 25.000	Range 45 - 110		Recovery = 82.240%			
21) 2-Butanone-d5	6.987	46	31235	63.297	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 126.600%			
24) Chloroform-d	7.569	84	190925	24.882	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 99.520%			
26) 1,2-Dichloroethane-d4	8.228	65	86302m	25.380	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.520%			
32) Benzene-d6	8.204	84	397837	23.112	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 92.440%			
36) 1,2-Dichloropropane-d6	9.210	67	109582	23.887	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 95.560%			
41) Toluene-d8	10.269	98	370602	22.960	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 91.840%			
43) trans-1,3-Dichloroprop...	10.528	79	44488	23.263	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 93.040%			
47) 2-Hexanone-d5	10.881	63	27815	51.238	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 102.480%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	91275	26.559	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 106.240%			
66) 1,2-Dichlorobenzene-d4	13.816	152	143297	26.792	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 107.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	3664	1.201	ug/L #	79
3) Chloromethane	2.152	50	6291	1.576	ug/L	98
5) Vinyl chloride	2.287	62	8725	1.403	ug/L #	65
6) Bromomethane	2.699	94	6170	1.454	ug/L	97
8) Chloroethane	2.840	64	5857	1.352	ug/L #	63
9) Trichlorofluoromethane	3.181	101	6593	1.219	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	5772m	1.536	ug/L	
12) 1,1-Dichloroethene	3.940	96	5246	1.690	ug/L #	1
13) Acetone	4.040	43	1986	3.837	ug/L	63
14) Carbon disulfide	4.269	76	9941	1.339	ug/L	95
15) Methyl Acetate	4.575	43	1271m	1.465	ug/L	
16) Methylene chloride	4.799	84	9895	2.212	ug/L	93
17) trans-1,2-Dichloroethene	5.310	96	3885	1.179	ug/L	91
18) Methyl tert-butyl Ether	5.322	73	7272m	1.161	ug/L	
19) 1,1-Dichloroethane	6.116	63	6703	1.187	ug/L #	85
20) cis-1,2-Dichloroethene	7.087	96	4879m	1.261	ug/L	
22) 2-Butanone	7.081	43	2051	3.327	ug/L	88
23) Bromochloromethane	7.422	128	2117	1.160	ug/L	87
25) Chloroform	7.593	83	9173	1.356	ug/L	97

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 Supervised By :Semsettin Yesilyurt 04/06/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	4179	1.195	ug/L	100
29) Cyclohexane	7.875	56	3387m	0.943	ug/L	
30) 1,1,1-Trichloroethane	7.787	97	6202m	1.069	ug/L	
31) Carbon tetrachloride	7.987	117	4598m	0.982	ug/L	
33) Benzene	8.245	78	16473	1.087	ug/L	100
34) Trichloroethene	9.028	95	4636	1.092	ug/L	90
35) Methylcyclohexane	9.275	83	6351	1.144	ug/L #	81
37) 1,2-Dichloropropane	9.310	63	4532	1.271	ug/L #	91
38) Bromodichloromethane	9.587	83	5834	1.149	ug/L #	92
39) cis-1,3-Dichloropropene	10.022	75	6347	1.123	ug/L	92
40) 4-Methyl-2-pentanone	10.163	43	3214	2.406	ug/L #	94
42) Toluene	10.334	91	18203	1.081	ug/L	96
44) trans-1,3-Dichloropropene	10.551	75	5394	1.123	ug/L	87
45) 1,1,2-Trichloroethane	10.739	97	3618	1.106	ug/L #	90
46) Tetrachloroethene	10.816	164	3987	1.199	ug/L	90
48) 2-Hexanone	10.928	43	2574	2.859	ug/L #	92
49) Dibromochloromethane	11.075	129	4044	1.142	ug/L	76
50) 1,2-Dibromoethane	11.175	107	3564m	1.244	ug/L	
51) Chlorobenzene	11.610	112	12787	1.128	ug/L	86
52) Ethylbenzene	11.686	91	17734	1.002	ug/L	99
53) m,p-Xylene	11.792	106	6714	0.967	ug/L	95
54) o-Xylene	12.122	106	5949	0.900	ug/L	73
55) Styrene	12.139	104	9819	0.834	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.675	83	4384	1.299	ug/L #	84
59) Bromoform	12.298	173	2016	0.836	ug/L #	90
60) Isopropylbenzene	12.422	105	15605	0.758	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	2357	0.955	ug/L	94
62) 1,3,5-Trimethylbenzene	12.904	105	11666	0.751	ug/L	98
63) 1,2,4-Trimethylbenzene	13.216	105	10425	0.702	ug/L	97
64) 1,3-Dichlorobenzene	13.463	146	11294	1.212	ug/L	92
65) 1,4-Dichlorobenzene	13.545	146	12431	1.278	ug/L	92
67) 1,2-Dichlorobenzene	13.833	146	11705	1.386	ug/L	90
68) 1,2-Dibromo-3-chloropr...	14.445	75	634m	1.276	ug/L	
69) 1,3,5-Trichlorobenzene	14.598	180	6806	1.184	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	6635	1.426	ug/L	96
71) Naphthalene	15.333	128	11088	1.289	ug/L	99
72) 1,2,3-Trichlorobenzene	15.527	180	6191	1.485	ug/L	95

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

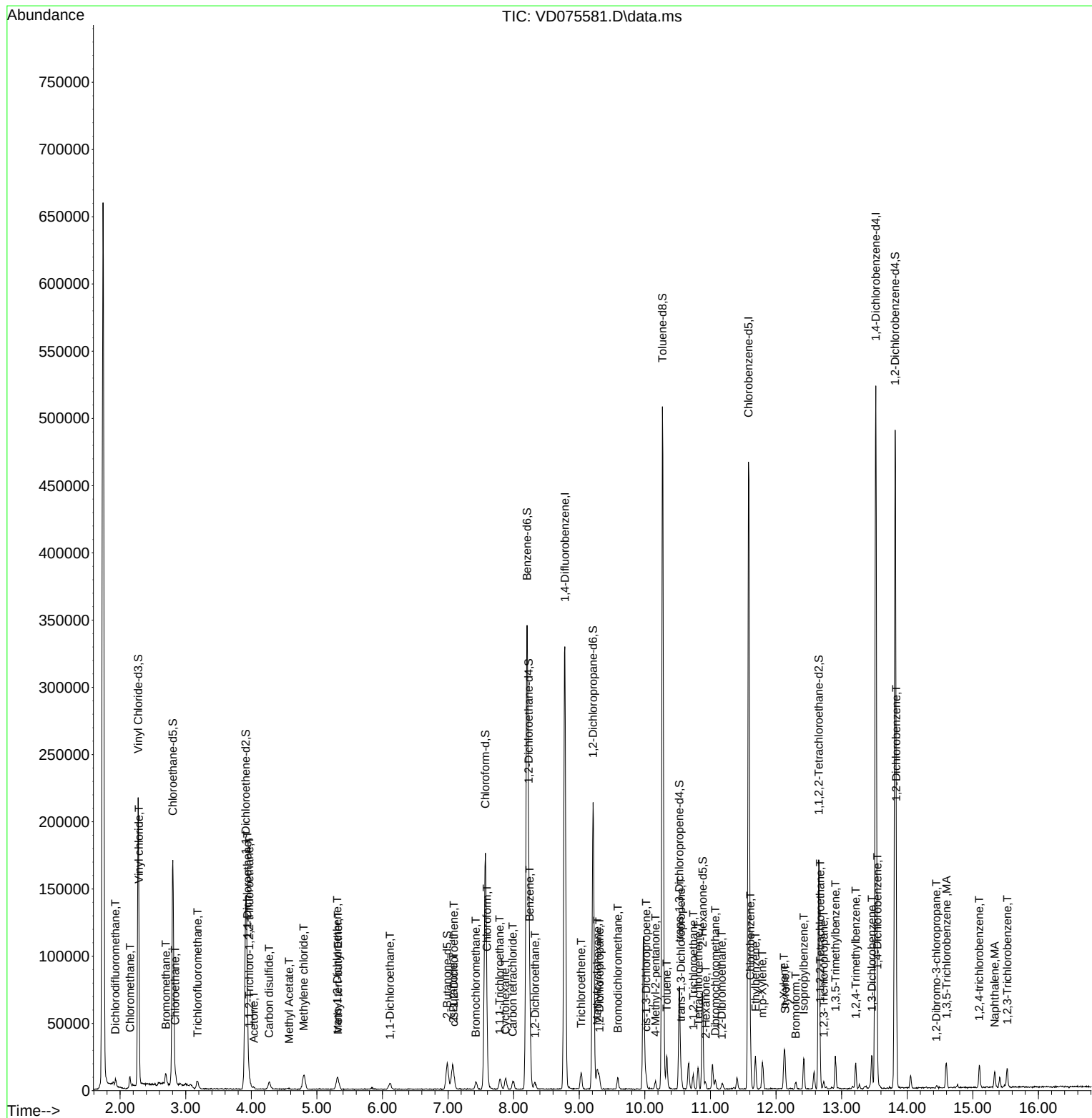
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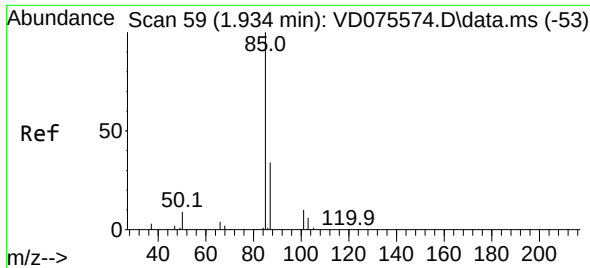
Instrument :
MSVOA_D
ClientSampleId :
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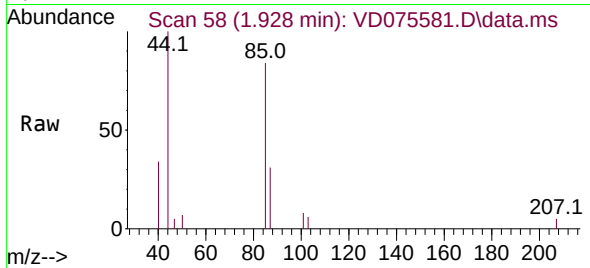
Reviewed By :Krupa Patel 04/06/2023
Supervised By :Semsettin Yesilyurt 04/06/2023





#2
Dichlorodifluoromethane
Concen: 1.201 ug/L
RT: 1.928 min Scan# 58
Delta R.T. -0.006 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

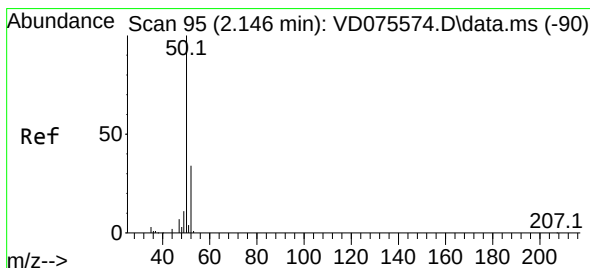
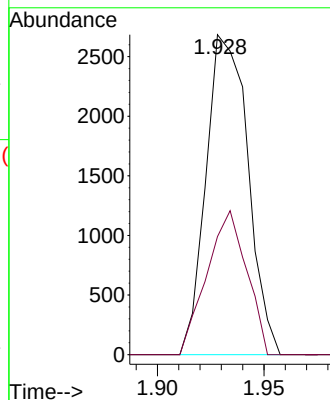
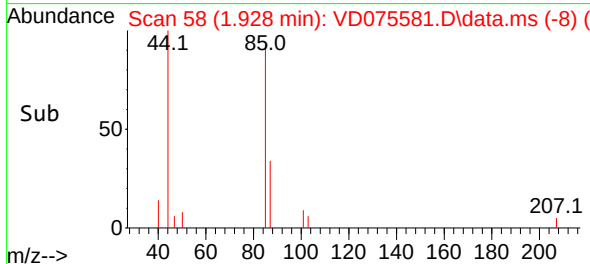
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-01



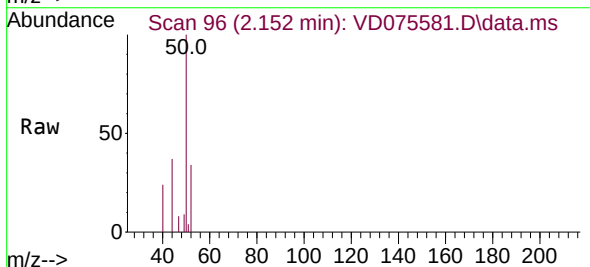
Tgt Ion: 85 Resp: 3664
Ion Ratio Lower Upper
85 100
87 42.8 25.0 37.4

Manual Integrations
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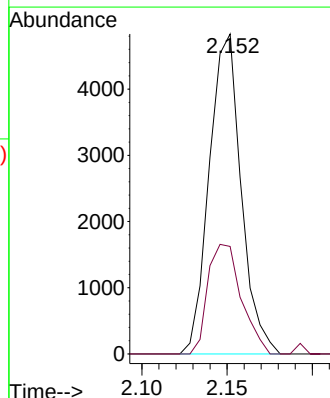
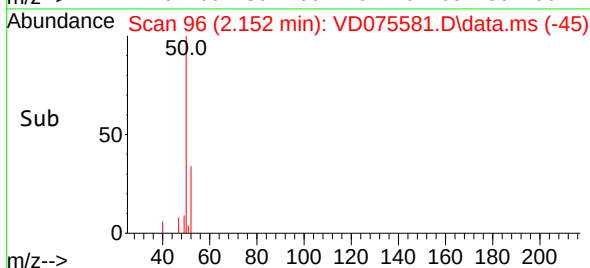
Reviewed By :Krupa Patel 04/06/2023
Supervised By :Semsettin Yesilyurt 04/06/2023

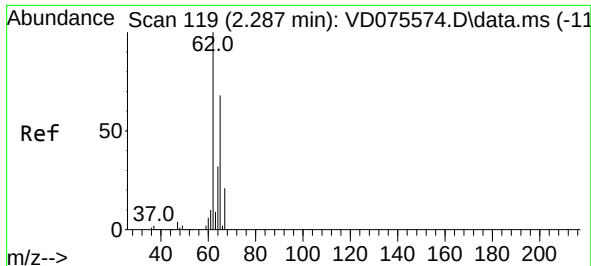


#3
Chloromethane
Concen: 1.576 ug/L
RT: 2.152 min Scan# 96
Delta R.T. -0.000 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40



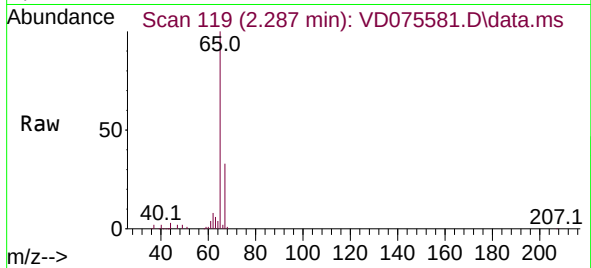
Tgt Ion: 50 Resp: 6291
Ion Ratio Lower Upper
50 100
52 33.6 22.7 42.1





#5
Vinyl chloride
Concen: 1.403 ug/L
RT: 2.287 min Scan# 119
Delta R.T. 0.000 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

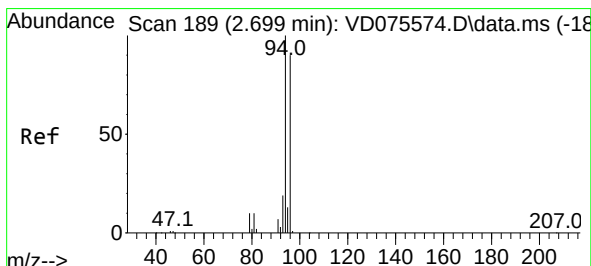
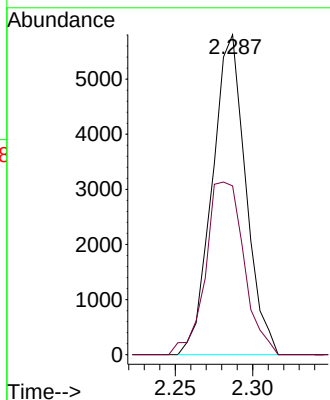
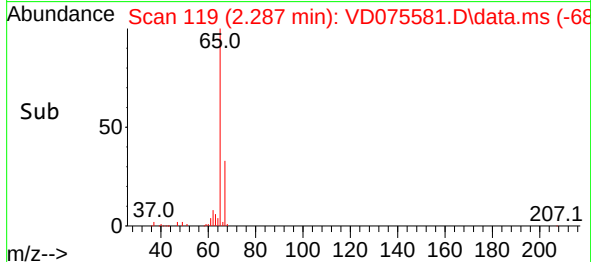
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-01



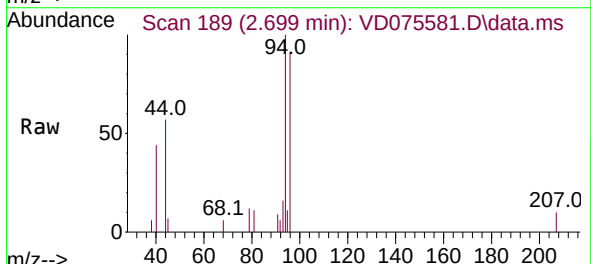
Tgt Ion: 62 Resp: 8725
Ion Ratio Lower Upper
62 100
64 52.7 23.1 42.9

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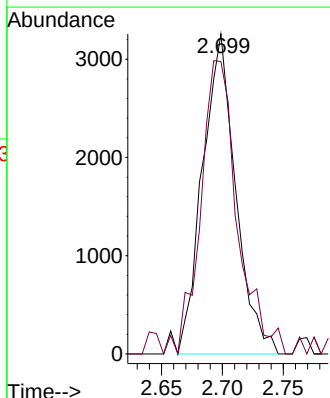
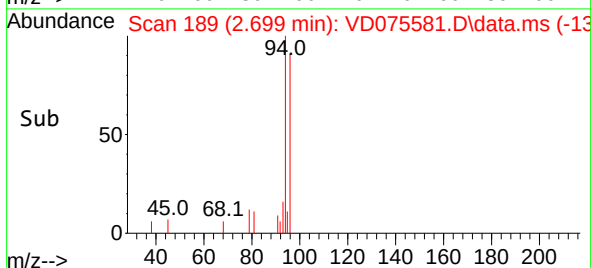
Reviewed By :Krupa Patel 04/06/2023
Supervised By :Semsettin Yesilyurt 04/06/2023

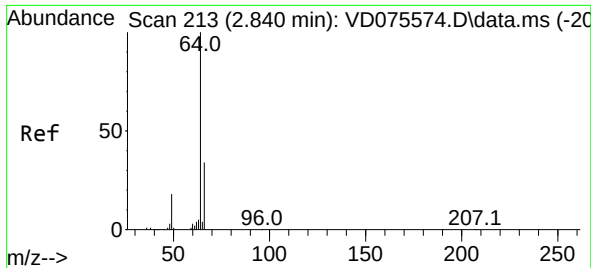


#6
Bromomethane
Concen: 1.454 ug/L
RT: 2.699 min Scan# 189
Delta R.T. 0.000 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40



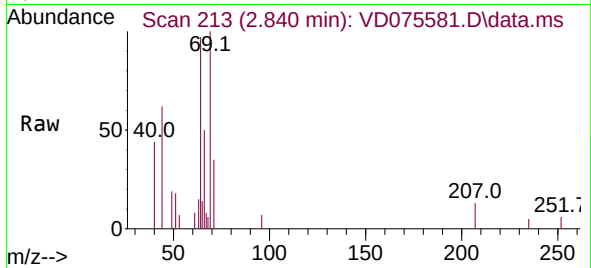
Tgt Ion: 94 Resp: 6170
Ion Ratio Lower Upper
94 100
96 91.4 66.1 122.7





#8
Chloroethane
Concen: 1.352 ug/L
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

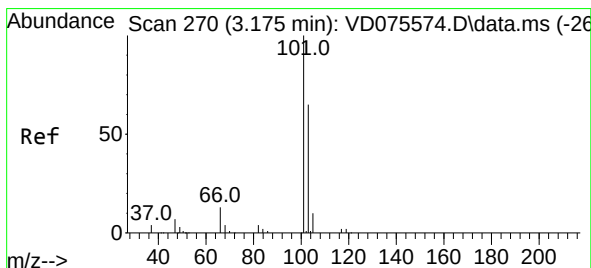
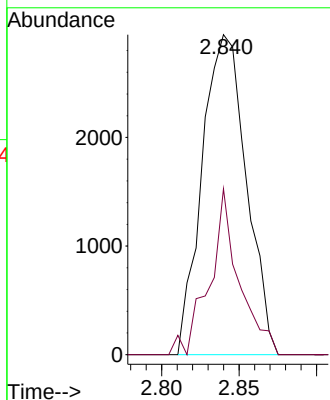
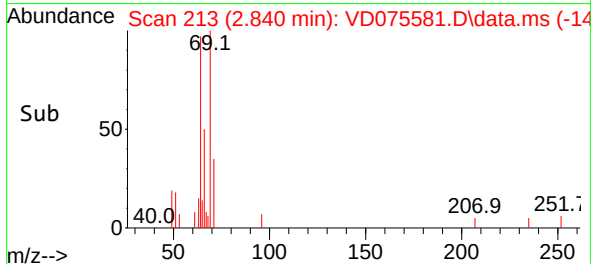
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-01



Tgt Ion: 64 Resp: 585
Ion Ratio Lower Upper
64 100
66 51.8 22.0 41.0

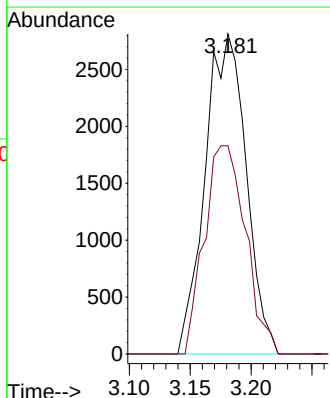
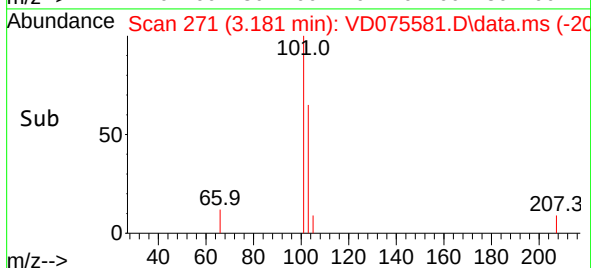
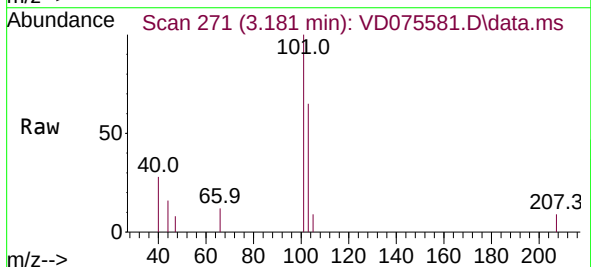
Manual Integrations
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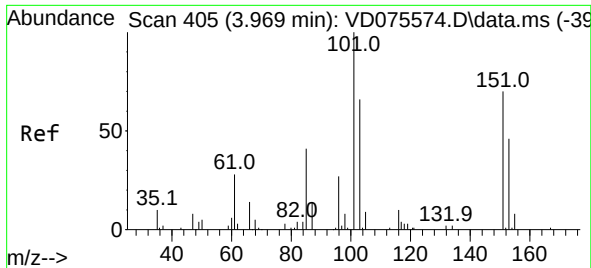
Reviewed By :Krupa Patel 04/06/2023
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#9
Trichlorofluoromethane
Concen: 1.219 ug/L
RT: 3.181 min Scan# 271
Delta R.T. 0.000 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

Tgt Ion:101 Resp: 6593
Ion Ratio Lower Upper
101 100
103 65.4 51.5 77.3





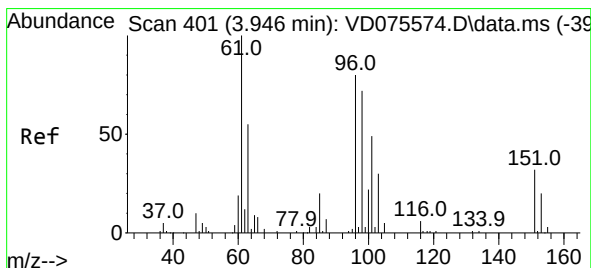
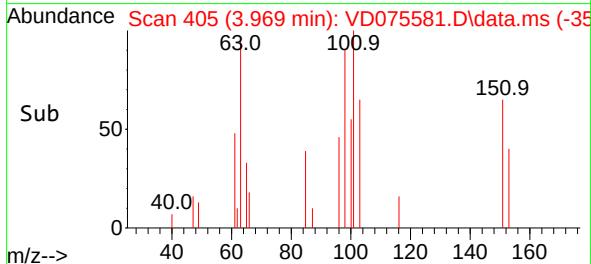
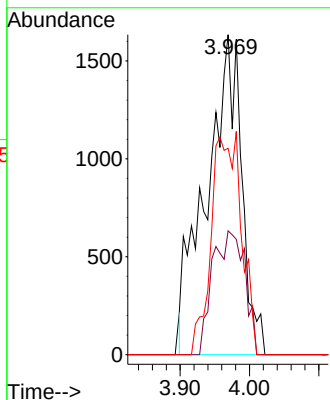
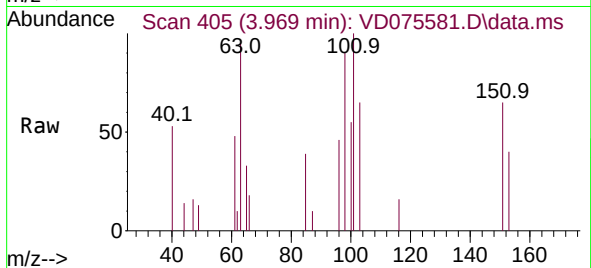
#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.536 ug/L m
 RT: 3.969 min Scan# 405
 Delta R.T. 0.000 min
 Lab File: VD075581.D
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Tgt Ion:101 Resp: 5772
 Ion Ratio Lower Upper
 101 100
 85 4.7 33.4 50.0#
 151 0.0 55.8 83.8#

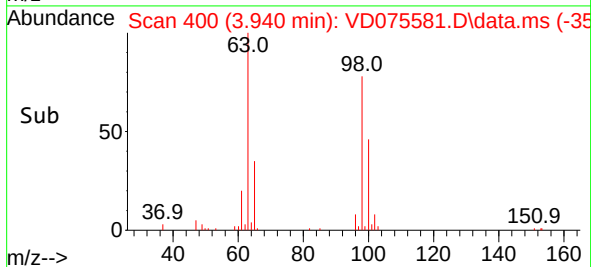
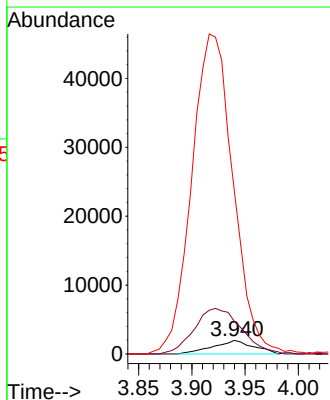
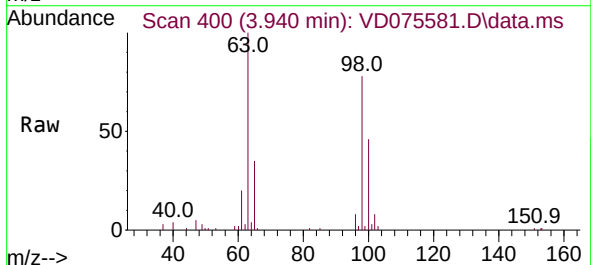
Manual Integrations
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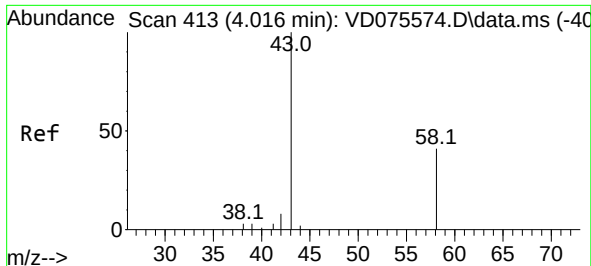
Reviewed By :Krupa Patel 04/06/2023
 Supervised By :Semsettin Yesilyurt 04/06/2023



#12
 1,1-Dichloroethene
 Concen: 1.690 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. -0.006 min
 Lab File: VD075581.D
 Acq: 05 Apr 2023 16:40

Tgt Ion: 96 Resp: 5246
 Ion Ratio Lower Upper
 96 100
 61 240.5 96.7 179.7#
 63 1198.2 76.0 141.2#





#13

Acetone

Concen: 3.837 ug/L

RT: 4.040 min Scan# 413

Delta R.T. 0.024 min

Lab File: VD075581.D

Acq: 05 Apr 2023 16:40

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2023-01

Tgt Ion: 43 Resp: 1980

Ion Ratio Lower Upper

43 100

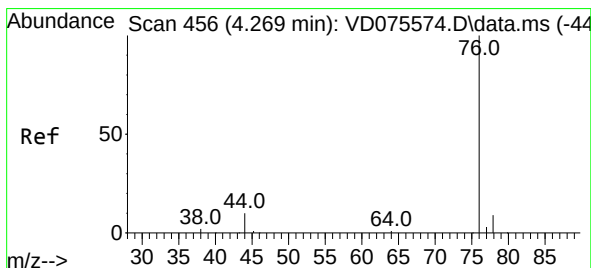
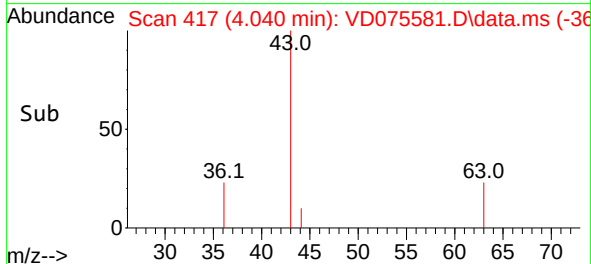
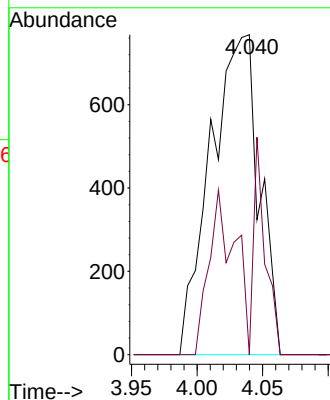
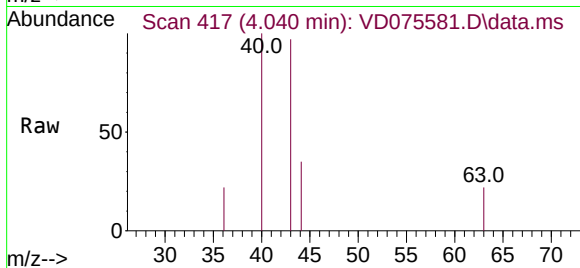
58 16.1 0.0 77.4

Manual Integrations

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#14

Carbon disulfide

Concen: 1.339 ug/L

RT: 4.269 min Scan# 456

Delta R.T. -0.006 min

Lab File: VD075581.D

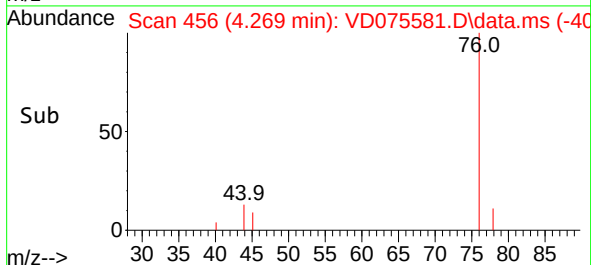
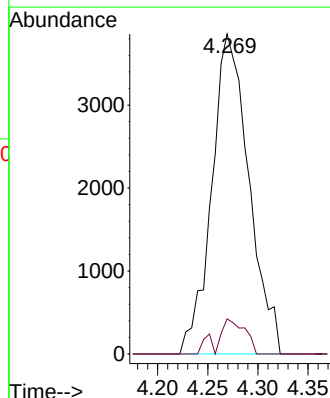
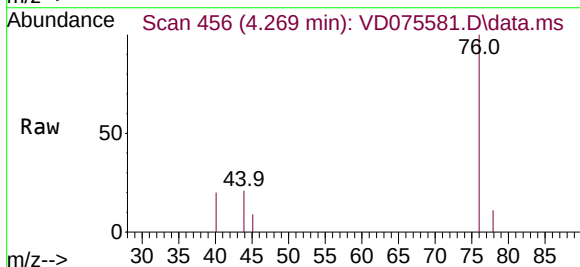
Acq: 05 Apr 2023 16:40

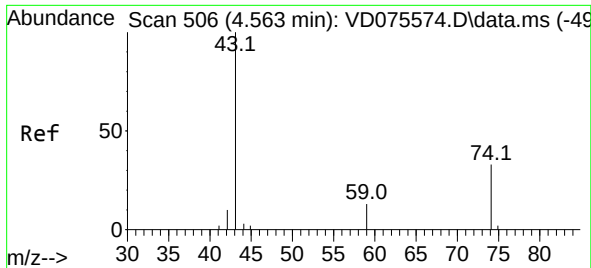
Tgt Ion: 76 Resp: 9941

Ion Ratio Lower Upper

76 100

78 10.9 7.4 11.0





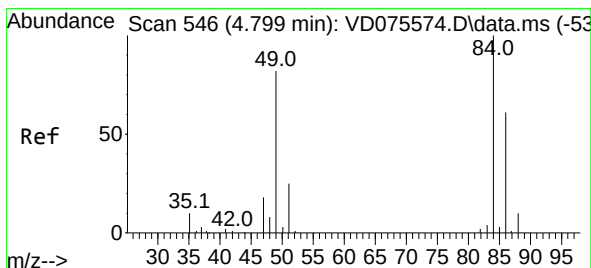
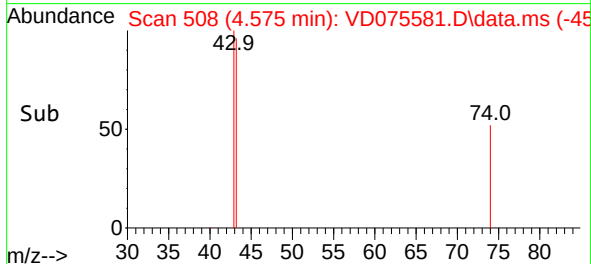
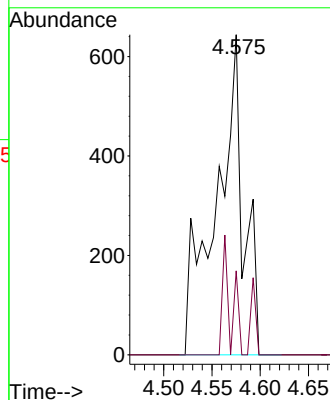
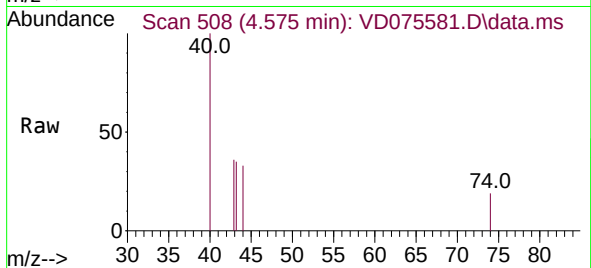
#15
Methyl Acetate
Concen: 1.465 ug/L m
RT: 4.575 min Scan# 508
Delta R.T. 0.018 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-01

Tgt Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
74 6.7 29.0 43.4

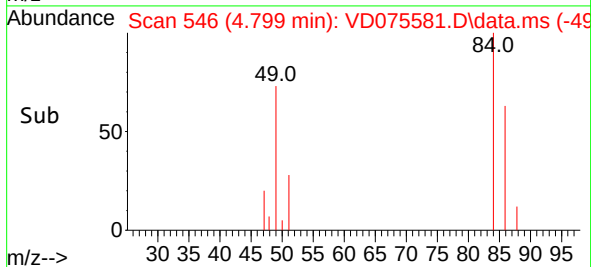
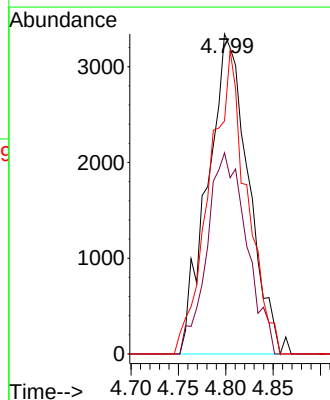
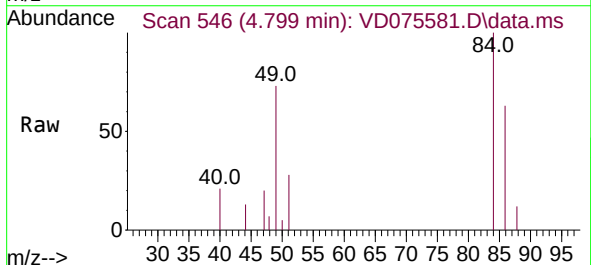
Manual Integrations
APPROVED

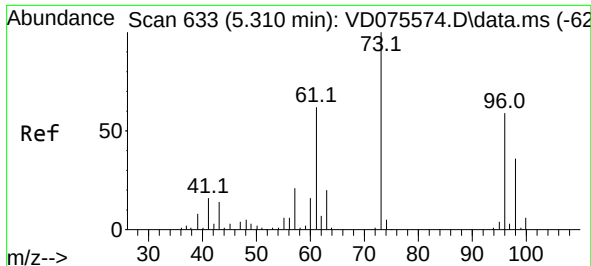
Reviewed By :Krupa Patel 04/06/2023
Supervised By :Semsettin Yesilyurt 04/06/2023



#16
Methylene chloride
Concen: 2.212 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

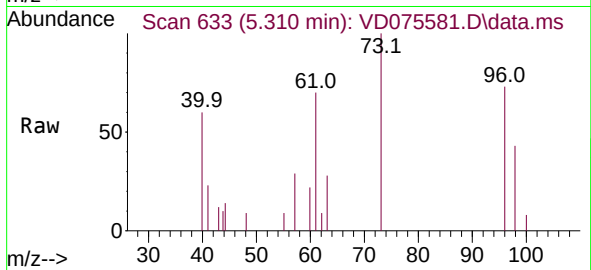
Tgt Ion: 84 Resp: 9895
Ion Ratio Lower Upper
84 100
86 62.9 44.4 82.4
49 72.9 58.5 108.7





#17
trans-1,2-Dichloroethene
Concen: 1.179 ug/L
RT: 5.310 min Scan# 611
Delta R.T. -0.012 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

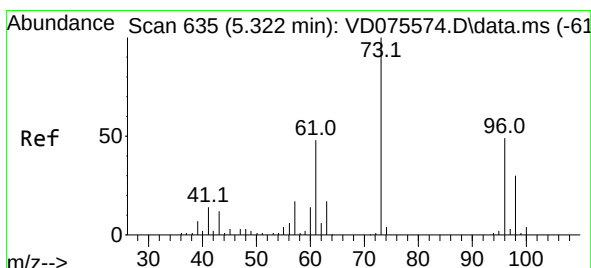
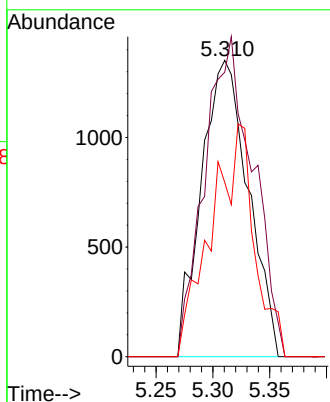
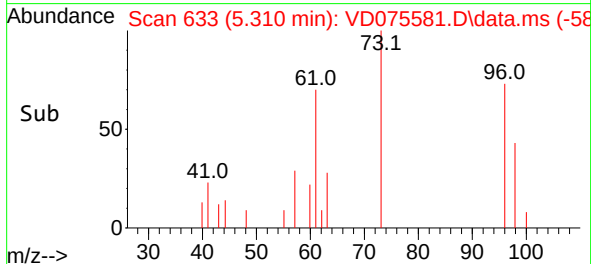
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-01



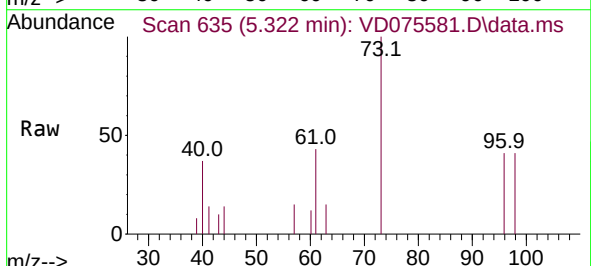
Tgt Ion: 96 Resp: 388
Ion Ratio Lower Upper
96 100
61 96.0 75.4 140.0
98 58.8 43.8 81.3

Manual Integrations
APPROVED

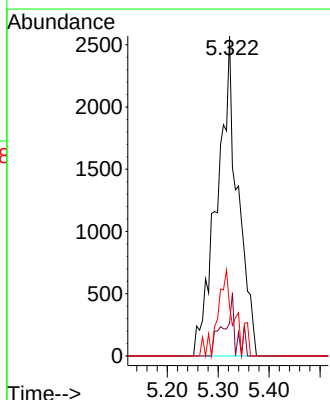
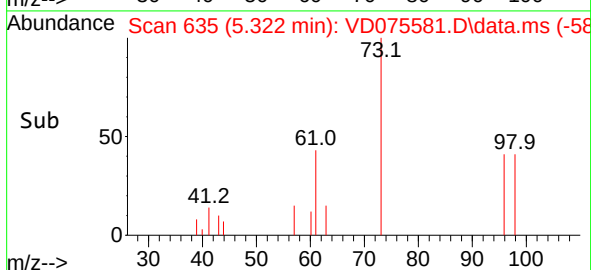
Reviewed By :Krupa Patel 04/06/2023
Supervised By :Semsettin Yesilyurt 04/06/2023

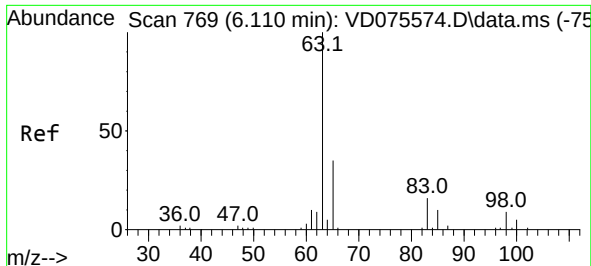


#18
Methyl tert-butyl Ether
Concen: 1.161 ug/L m
RT: 5.322 min Scan# 635
Delta R.T. 0.000 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40



Tgt Ion: 73 Resp: 7272
Ion Ratio Lower Upper
73 100
43 3.7 11.4 17.0#
57 14.2 15.8 23.6#





#19

1,1-Dichloroethane

Concen: 1.187 ug/L

RT: 6.116 min Scan# 71

Delta R.T. 0.000 min

Lab File: VD075581.D

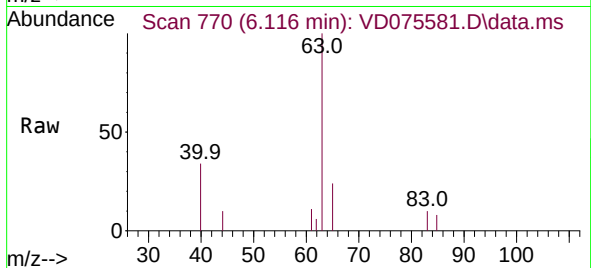
Acq: 05 Apr 2023 16:40

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2023-01



Tgt Ion: 63 Resp: 670

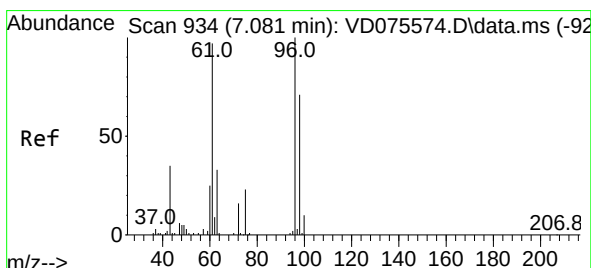
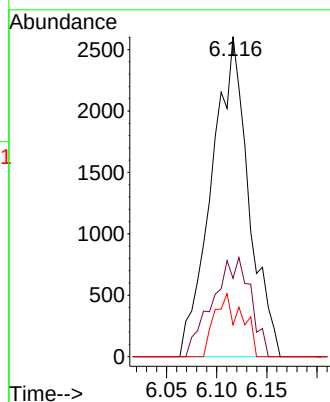
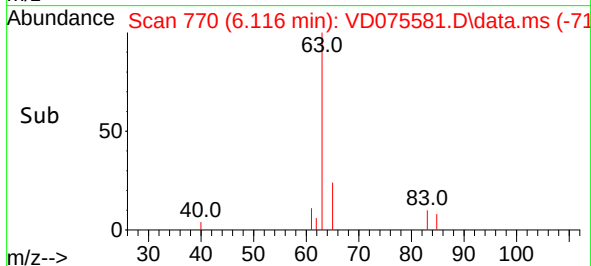
Ion	Ratio	Lower	Upper
63	100		
65	24.5	23.1	42.9
83	10.0	11.2	20.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/06/2023

Supervised By :Semsettin Yesilyurt 04/06/2023



#20

cis-1,2-Dichloroethene

Concen: 1.261 ug/L m

RT: 7.087 min Scan# 935

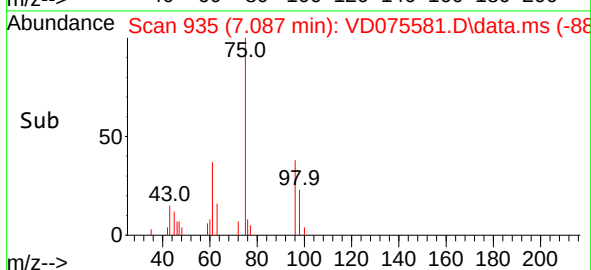
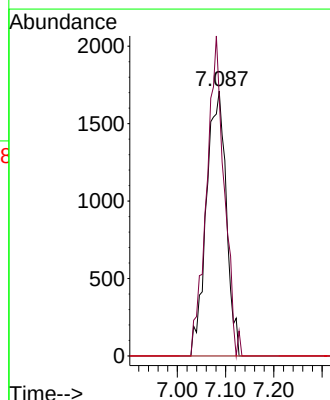
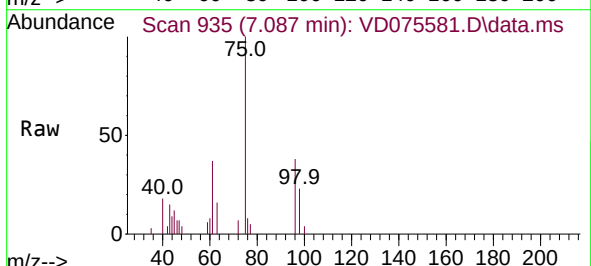
Delta R.T. 0.000 min

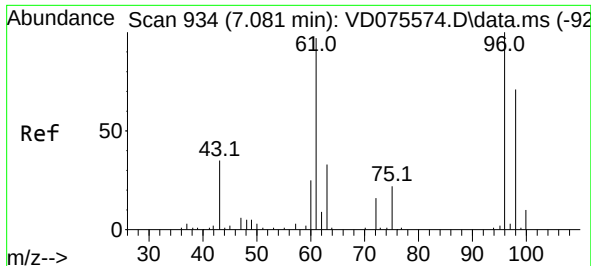
Lab File: VD075581.D

Acq: 05 Apr 2023 16:40

Tgt Ion: 96 Resp: 4879

Ion	Ratio	Lower	Upper
96	100		
61	97.7	64.8	120.4
68	0.0	0.0	0.0





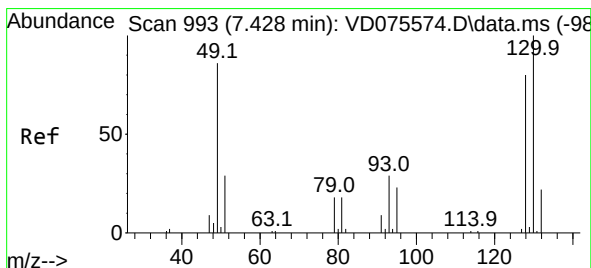
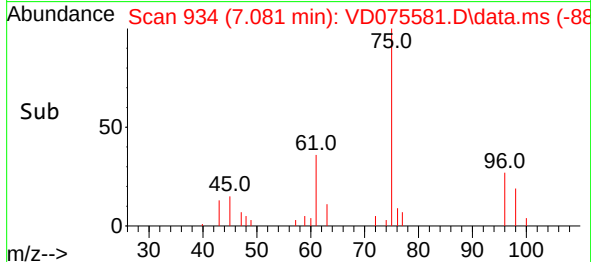
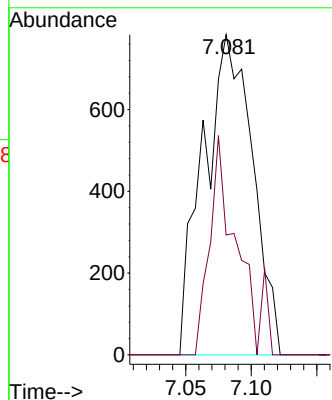
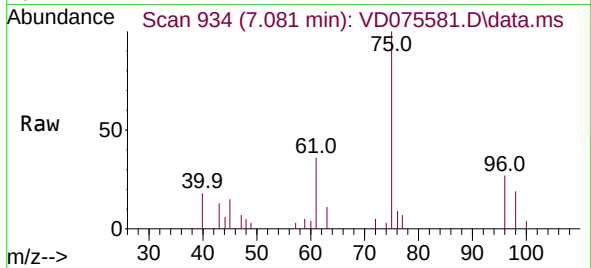
#22
2-Butanone
Concen: 3.327 ug/L
RT: 7.081 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-01

Tgt Ion: 43 Resp: 205
Ion Ratio Lower Upper
43 100
72 34.9 21.3 63.9

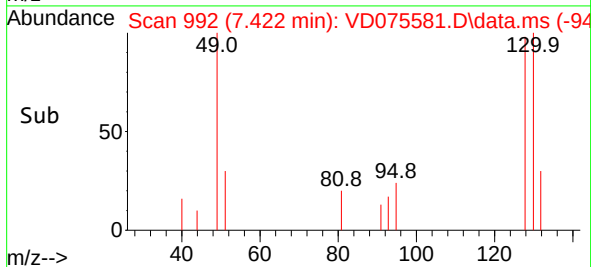
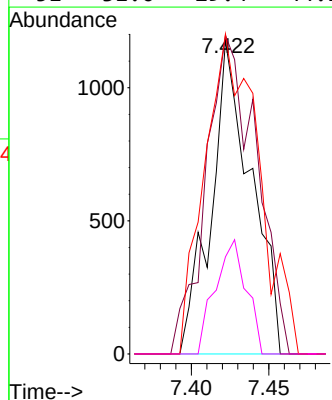
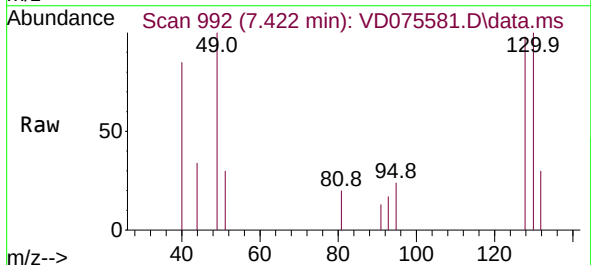
Manual Integrations
APPROVED

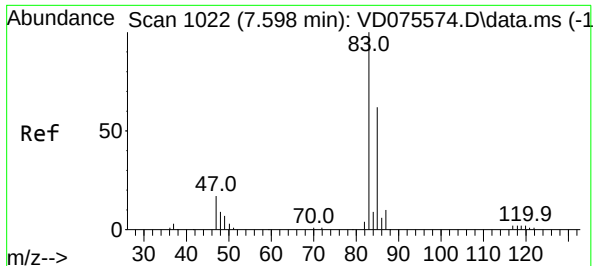
Reviewed By :Krupa Patel 04/06/2023
Supervised By :Semsettin Yesilyurt 04/06/2023



#23
Bromochloromethane
Concen: 1.160 ug/L
RT: 7.422 min Scan# 992
Delta R.T. -0.006 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

Tgt Ion:128 Resp: 2117
Ion Ratio Lower Upper
128 100
49 101.7 75.0 139.4
130 102.1 87.4 162.2
51 31.0 29.4 44.2





#25

Chloroform

Concen: 1.356 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VD075581.D

Acq: 05 Apr 2023 16:40

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2023-01

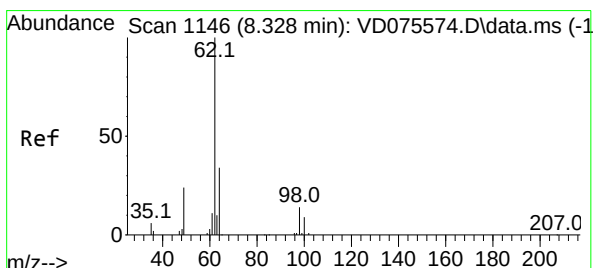
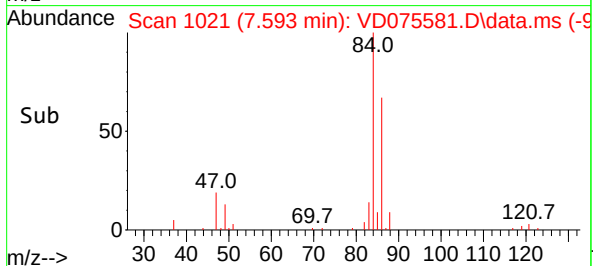
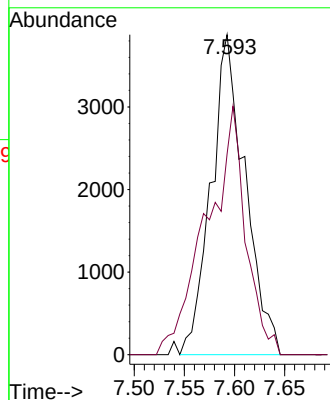
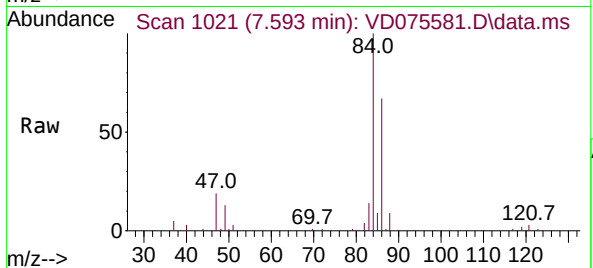
Tgt Ion: 83 Resp: 917
 Ion Ratio Lower Upper
 83 100
 85 62.7 45.8 85.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/06/2023

Supervised By :Semsettin Yesilyurt 04/06/2023



#27

1,2-Dichloroethane

Concen: 1.195 ug/L

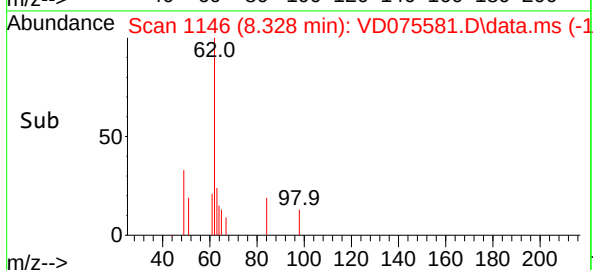
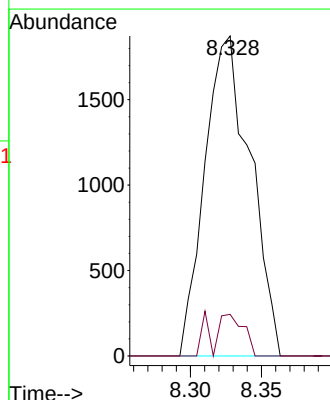
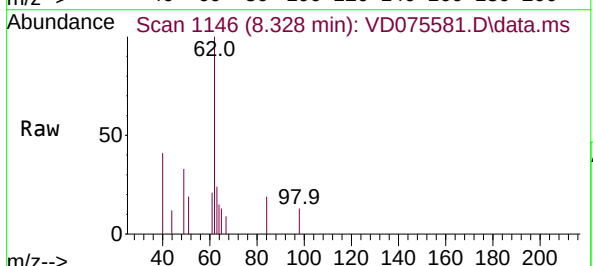
RT: 8.328 min Scan# 1146

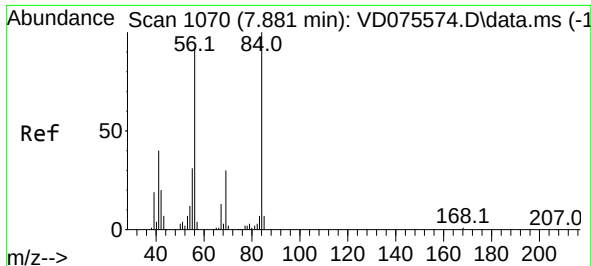
Delta R.T. 0.000 min

Lab File: VD075581.D

Acq: 05 Apr 2023 16:40

Tgt Ion: 62 Resp: 4179
 Ion Ratio Lower Upper
 62 100
 98 13.0 10.5 15.7





#29

Cyclohexane

Concen: 0.943 ug/L m

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD075581.D

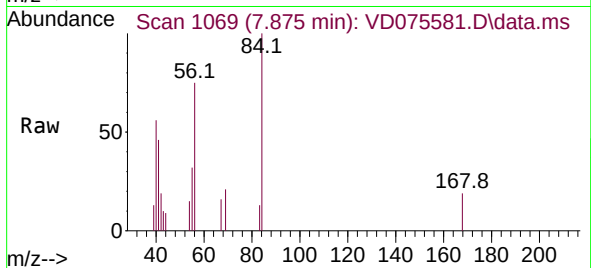
Acq: 05 Apr 2023 16:40

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2023-01



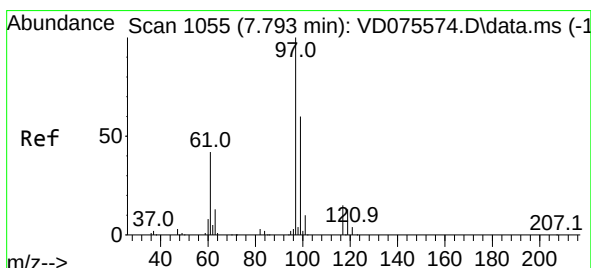
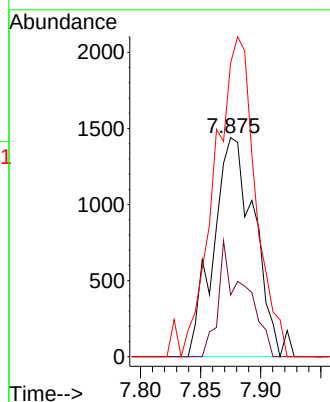
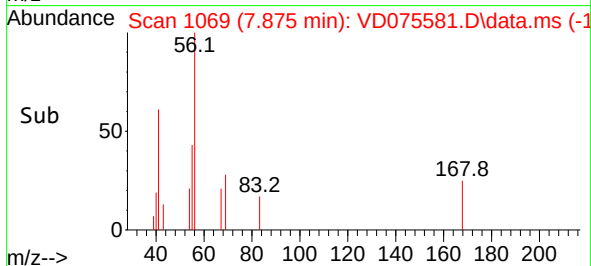
Tgt Ion:	56	69	84
Ratio	100	18.6	146.7
Lower		28.3	91.1
Upper		42.5	136.7

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/06/2023

Supervised By :Semsettin Yesilyurt 04/06/2023



#30

1,1,1-Trichloroethane

Concen: 1.069 ug/L m

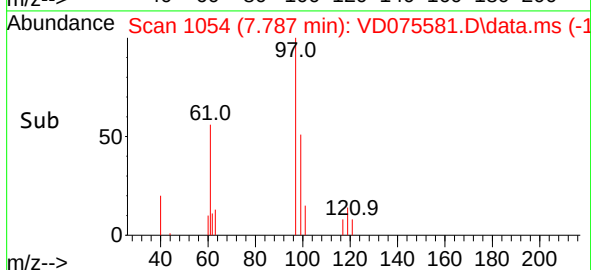
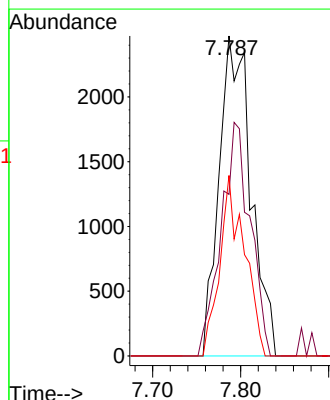
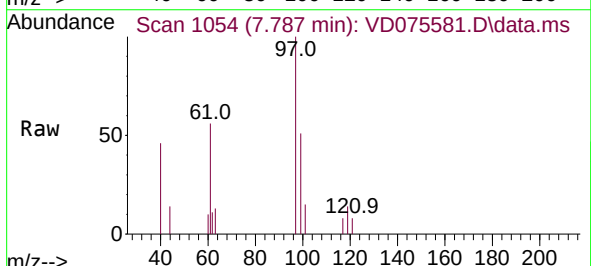
RT: 7.787 min Scan# 1054

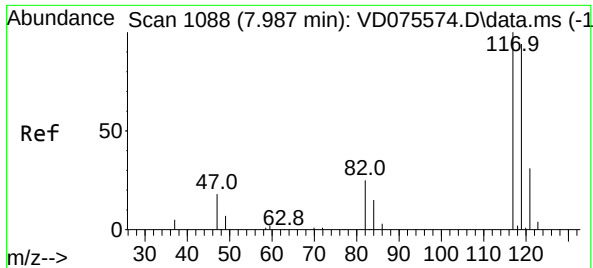
Delta R.T. -0.006 min

Lab File: VD075581.D

Acq: 05 Apr 2023 16:40

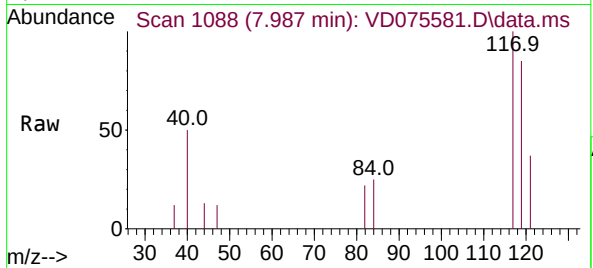
Tgt Ion:	97	99	61
Ratio	100	66.7	43.9
Lower		51.4	32.2
Upper		77.2	48.2





#31
Carbon tetrachloride
Concen: 0.982 ug/L m
RT: 7.987 min Scan# 1108
Delta R.T. -0.006 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

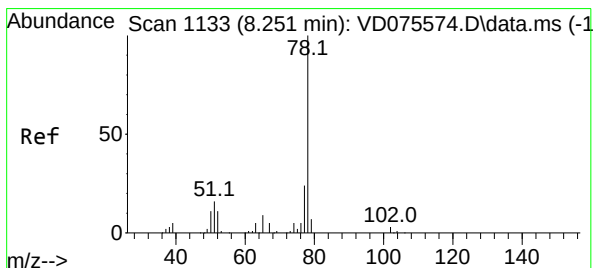
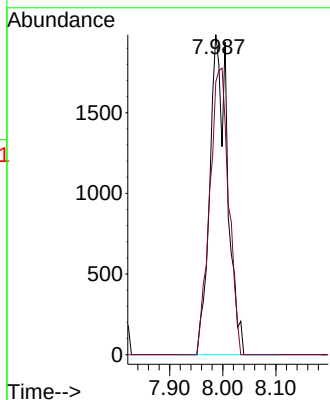
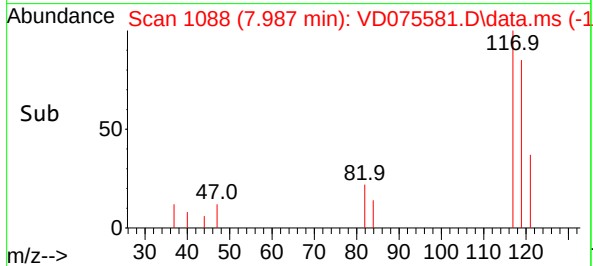
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-01



Tgt Ion:117 Resp: 4598
Ion Ratio Lower Upper
117 100
119 16.6 76.4 114.6

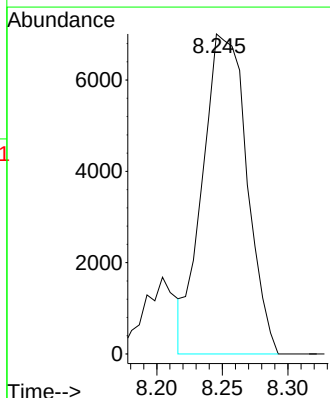
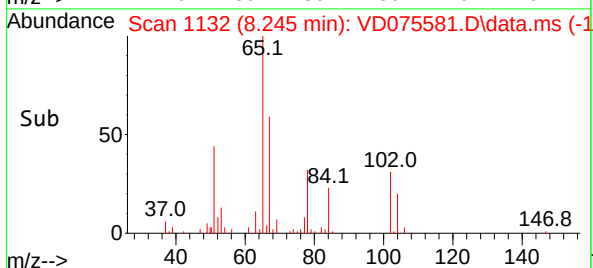
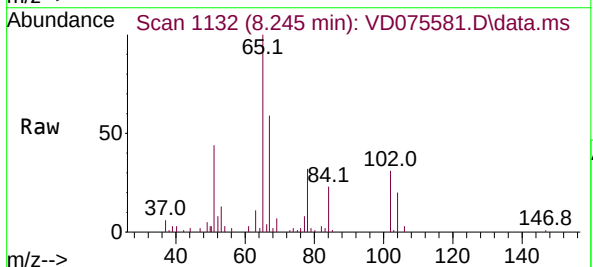
Manual Integrations
APPROVED

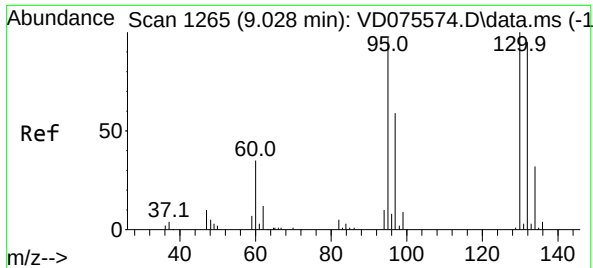
Reviewed By :Krupa Patel 04/06/2023
Supervised By :Semsettin Yesilyurt 04/06/2023



#33
Benzene
Concen: 1.087 ug/L
RT: 8.245 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

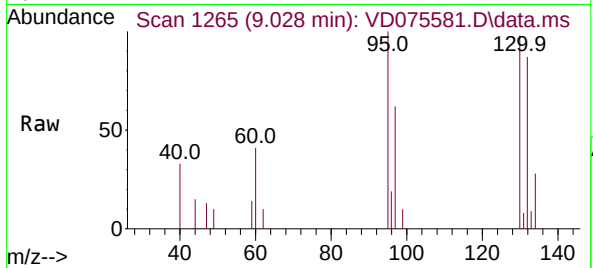
Tgt Ion: 78 Resp: 16473





#34
Trichloroethene
Concen: 1.092 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

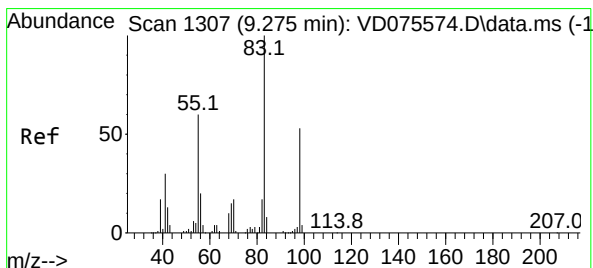
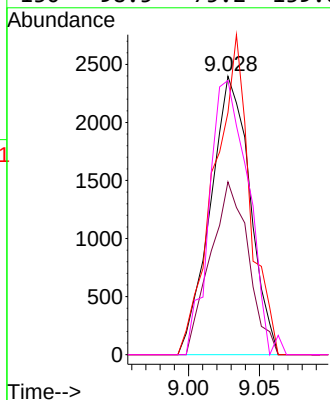
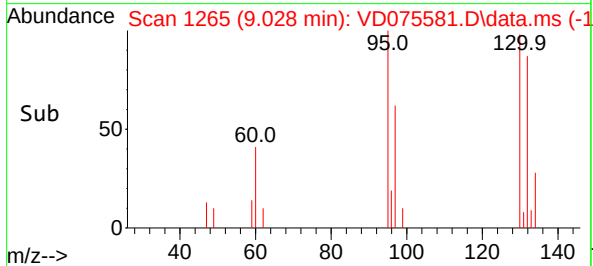
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-01



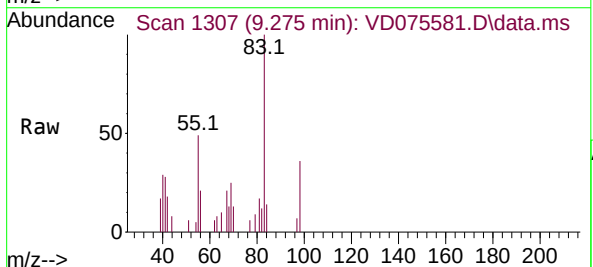
Tgt Ion: 95 Resp: 4630
Ion Ratio Lower Upper
95 100
97 62.1 47.0 87.2
132 86.9 71.2 132.2
130 98.5 75.2 139.6

Manual Integrations
APPROVED

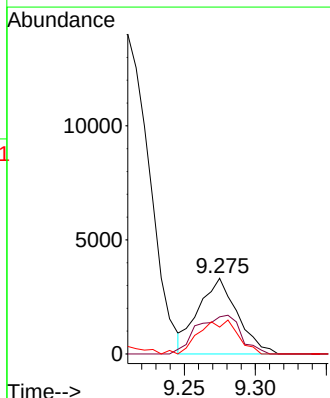
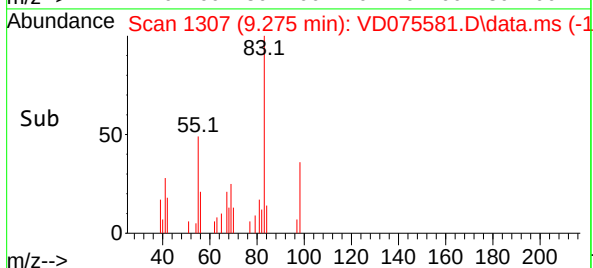
Reviewed By :Krupa Patel 04/06/2023
Supervised By :Semsettin Yesilyurt 04/06/2023

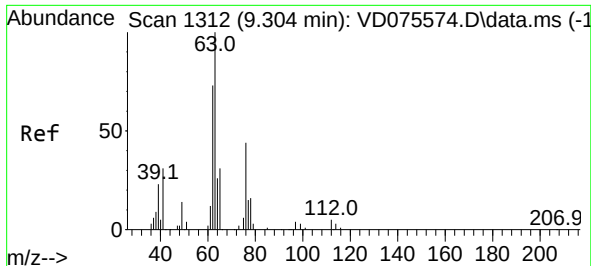


#35
Methylcyclohexane
Concen: 1.144 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40



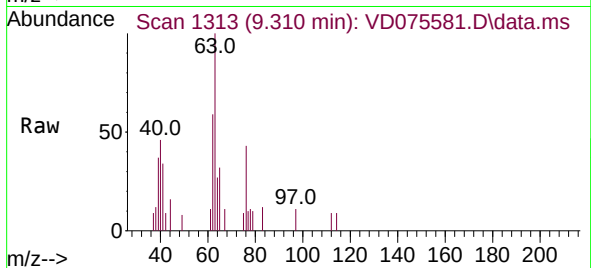
Tgt Ion: 83 Resp: 6351
Ion Ratio Lower Upper
83 100
55 39.3 46.9 70.3#
98 43.5 40.8 61.2





#37
1,2-Dichloropropane
Concen: 1.271 ug/L
RT: 9.310 min Scan# 111
Delta R.T. 0.006 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

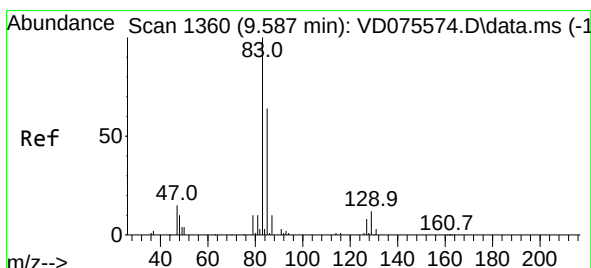
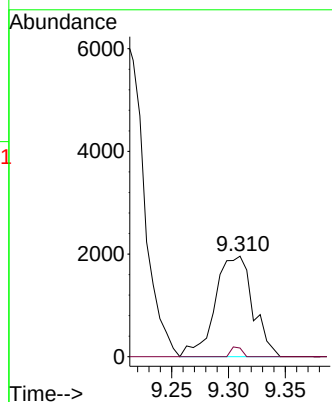
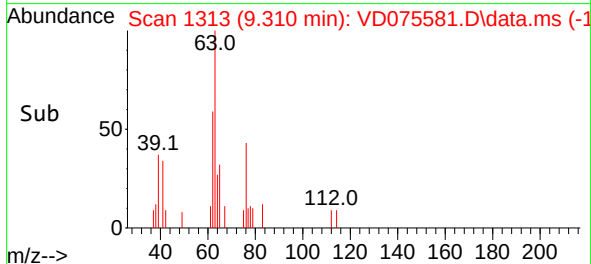
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT1-2023-01



Tgt Ion: 63 Resp: 453
Ion Ratio Lower Upper
63 100
112 2.8 4.7 7.1

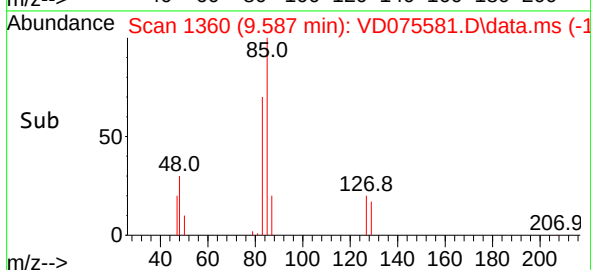
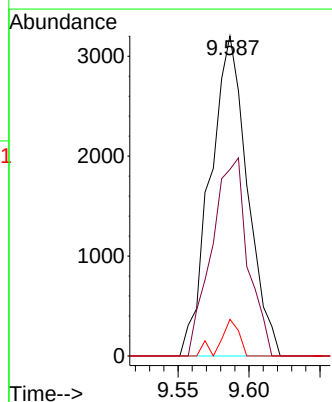
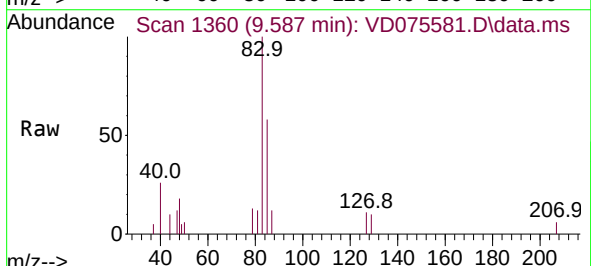
Manual Integrations
APPROVED

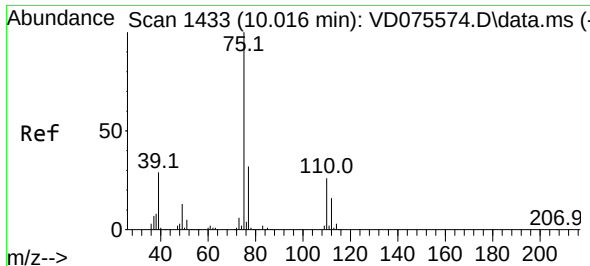
Reviewed By :Krupa Patel 04/06/2023
Supervised By :Semsettin Yesilyurt 04/06/2023



#38
Bromodichloromethane
Concen: 1.149 ug/L
RT: 9.587 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

Tgt Ion: 83 Resp: 5834
Ion Ratio Lower Upper
83 100
85 58.3 45.1 83.9
127 11.5 6.8 10.2





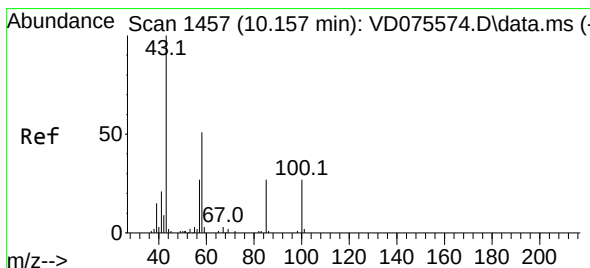
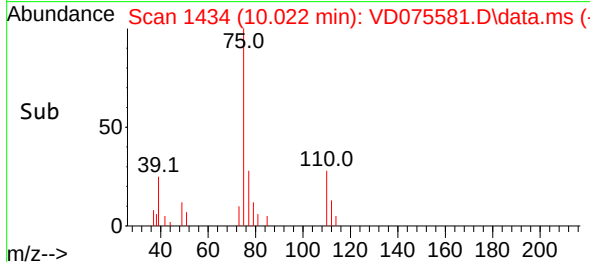
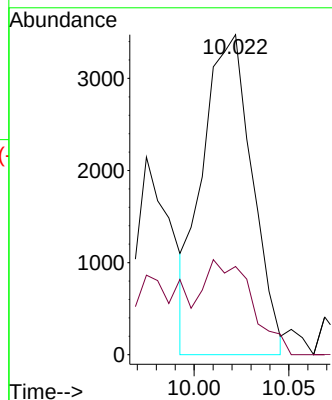
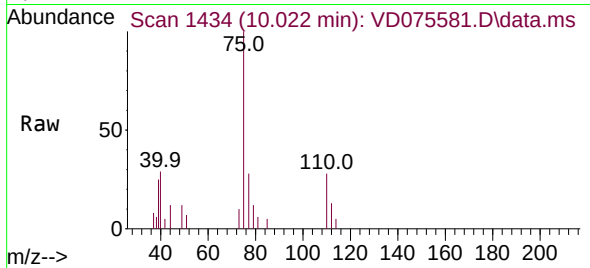
#39
cis-1,3-Dichloropropene
Concen: 1.123 ug/L
RT: 10.022 min Scan# 1433
Delta R.T. 0.006 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-01

Tgt Ion: 75 Resp: 634
Ion Ratio Lower Upper
75 100
77 27.6 22.5 41.7

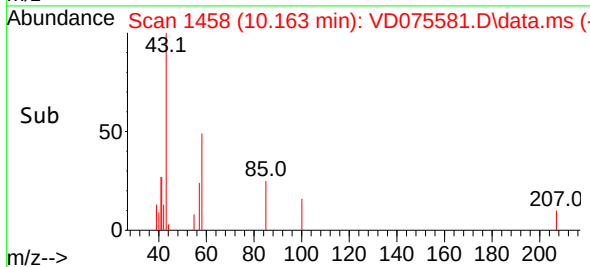
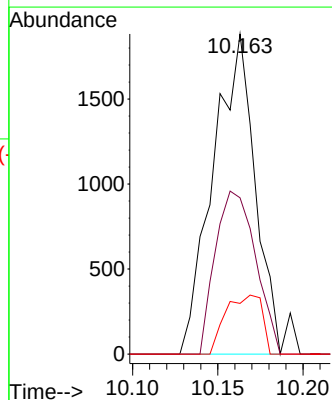
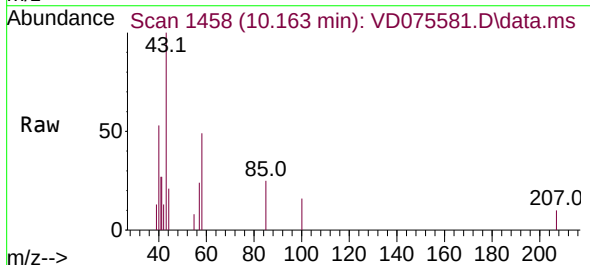
Manual Integrations
APPROVED

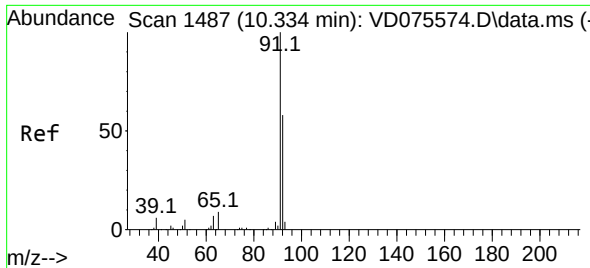
Reviewed By :Krupa Patel 04/06/2023
Supervised By :Semsettin Yesilyurt 04/06/2023



#40
4-Methyl-2-pentanone
Concen: 2.406 ug/L
RT: 10.163 min Scan# 1458
Delta R.T. 0.000 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

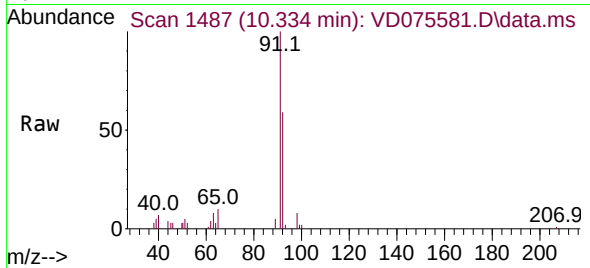
Tgt Ion: 43 Resp: 3214
Ion Ratio Lower Upper
43 100
58 49.1 39.4 59.0
100 16.0 20.3 30.5#





#42
Toluene
Concen: 1.081 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

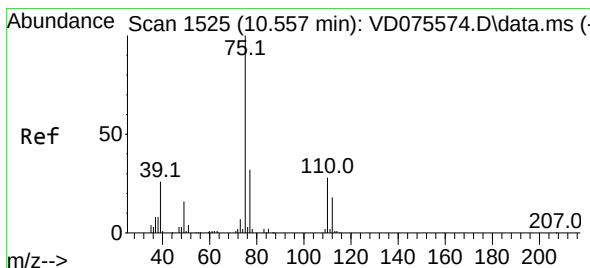
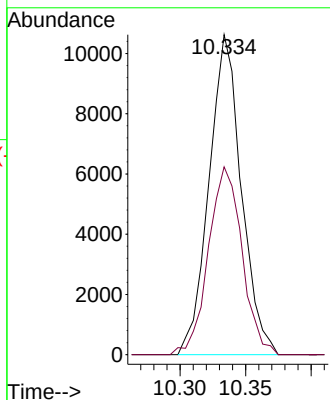
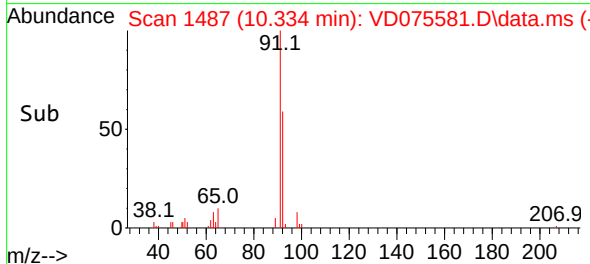
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-01



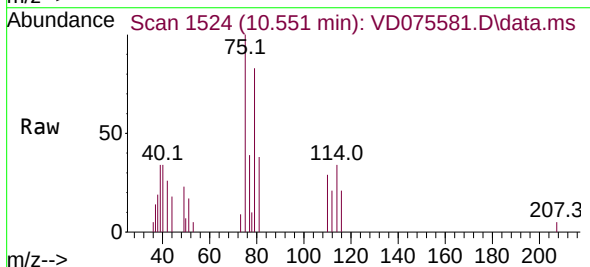
Tgt Ion: 91 Resp: 1820
Ion Ratio Lower Upper
91 100
92 58.7 39.1 72.7

Manual Integrations
APPROVED

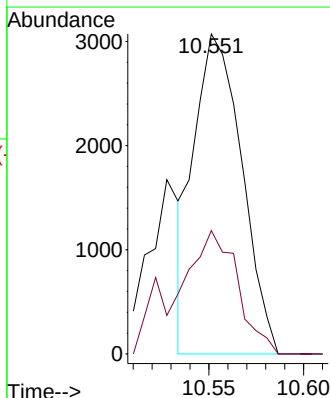
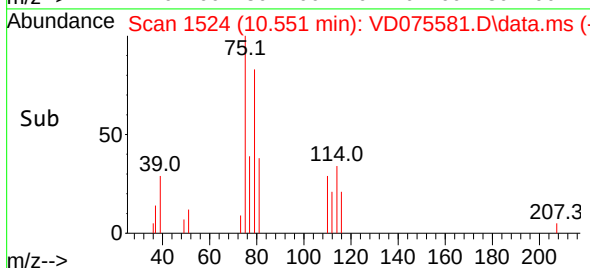
Reviewed By :Krupa Patel 04/06/2023
Supervised By :Semsettin Yesilyurt 04/06/2023

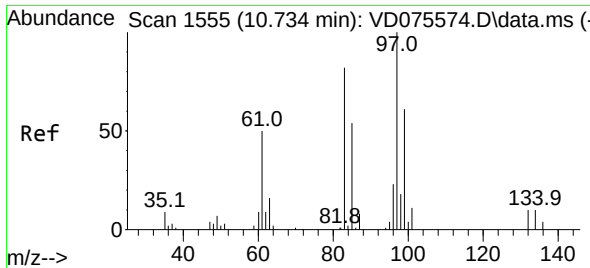


#44
trans-1,3-Dichloropropene
Concen: 1.123 ug/L
RT: 10.551 min Scan# 1524
Delta R.T. -0.006 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40



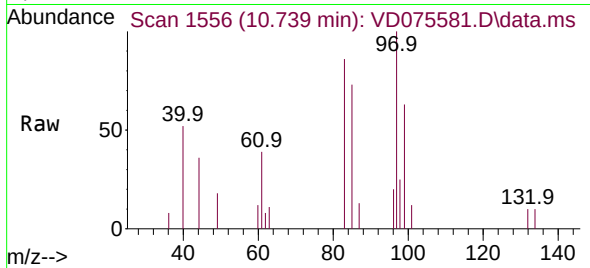
Tgt Ion: 75 Resp: 5394
Ion Ratio Lower Upper
75 100
77 38.6 22.1 41.1





#45
1,1,2-Trichloroethane
Concen: 1.106 ug/L
RT: 10.739 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

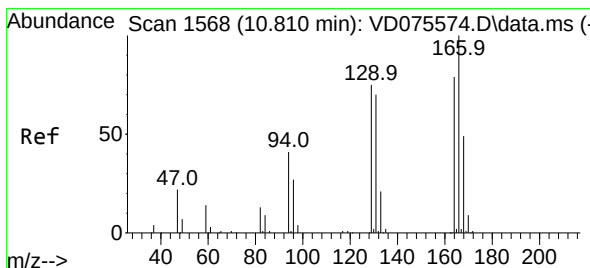
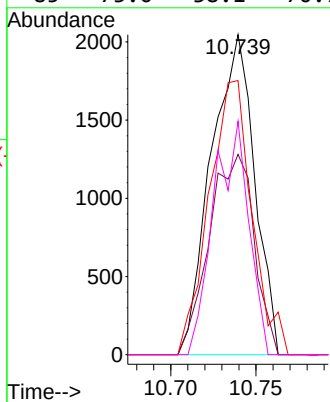
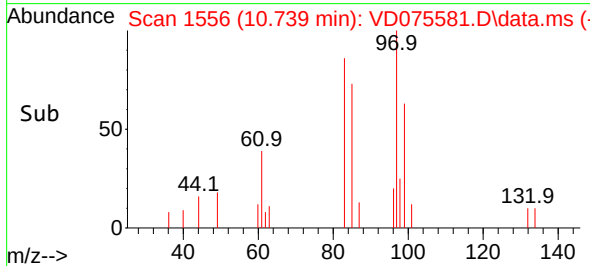
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT1-2023-01



Tgt Ion: 97 Resp: 3618
Ion Ratio Lower Upper
97 100
99 62.6 46.4 86.2
83 85.6 57.1 106.1
85 73.0 38.1 70.7#

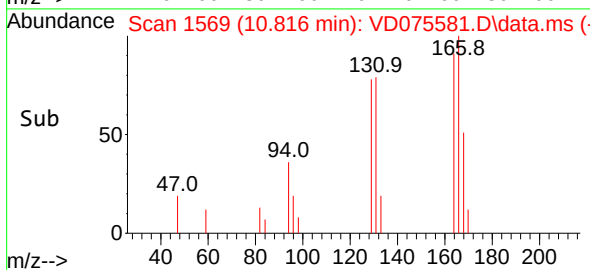
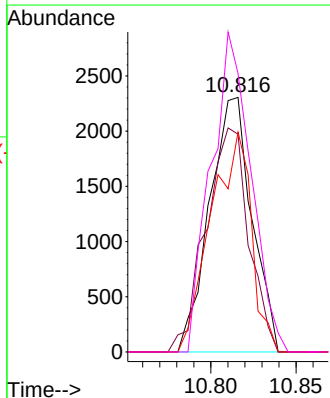
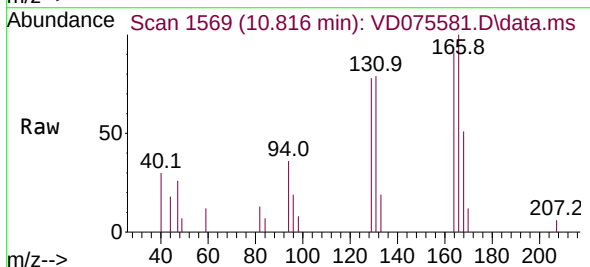
Manual Integrations
APPROVED

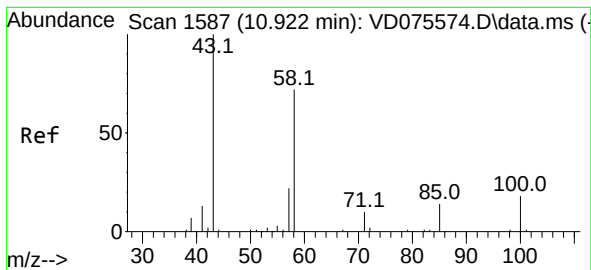
Reviewed By :Krupa Patel 04/06/2023
Supervised By :Semsettin Yesilyurt 04/06/2023



#46
Tetrachloroethene
Concen: 1.199 ug/L
RT: 10.816 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

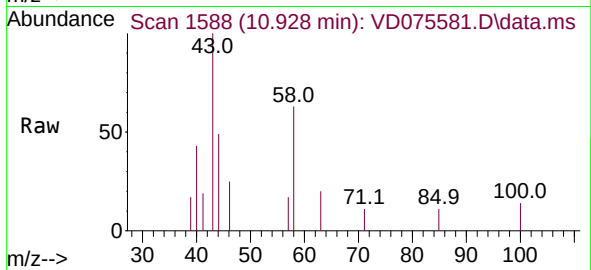
Tgt Ion:164 Resp: 3987
Ion Ratio Lower Upper
164 100
129 85.5 64.8 120.3
131 86.3 61.7 114.7
166 109.3 90.9 168.9





#48
2-Hexanone
Concen: 2.859 ug/L
RT: 10.928 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

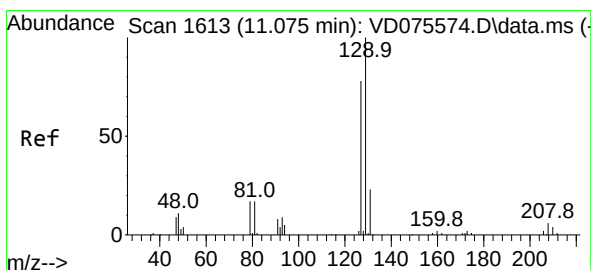
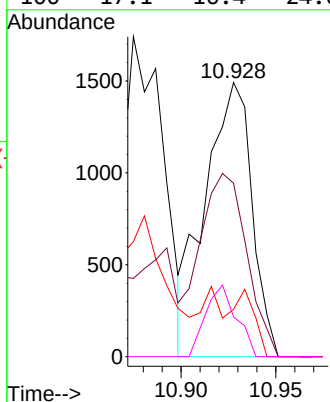
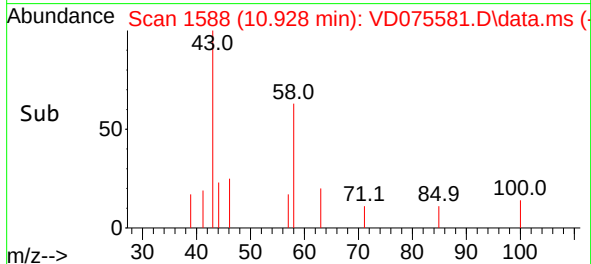
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT1-2023-01



Tgt Ion: 43 Resp: 2574
Ion Ratio Lower Upper
43 100
58 67.4 55.8 83.6
57 11.5 18.6 27.8
100 17.1 16.4 24.6

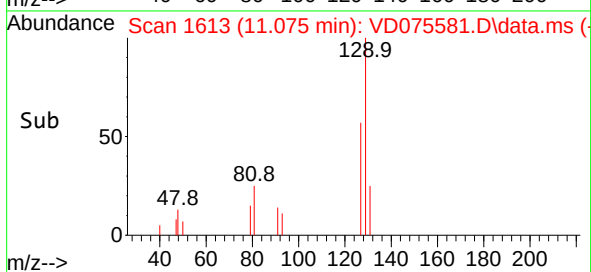
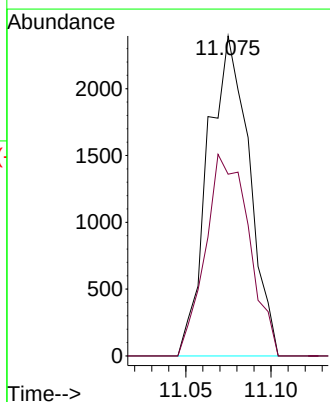
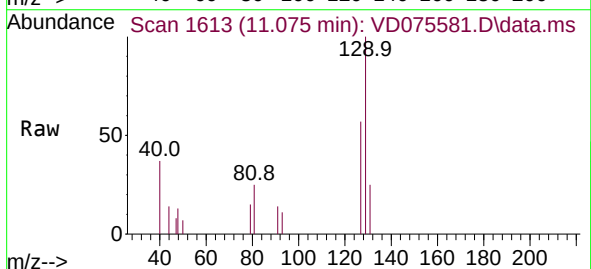
Manual Integrations
APPROVED

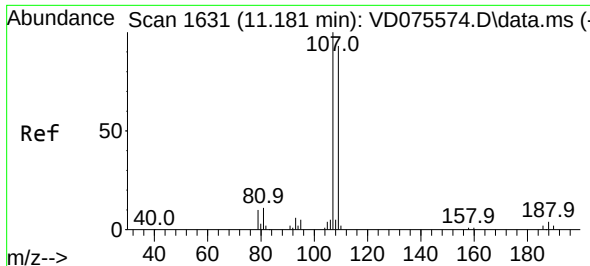
Reviewed By :Krupa Patel 04/06/2023
Supervised By :Semsettin Yesilyurt 04/06/2023



#49
Dibromochloromethane
Concen: 1.142 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

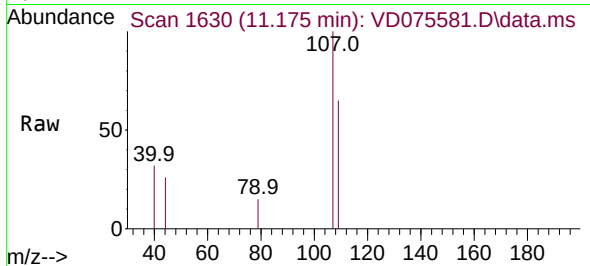
Tgt Ion:129 Resp: 4044
Ion Ratio Lower Upper
129 100
127 56.8 54.5 101.1





#50
1,2-Dibromoethane
Concen: 1.244 ug/L m
RT: 11.175 min Scan# 1630
Delta R.T. -0.006 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

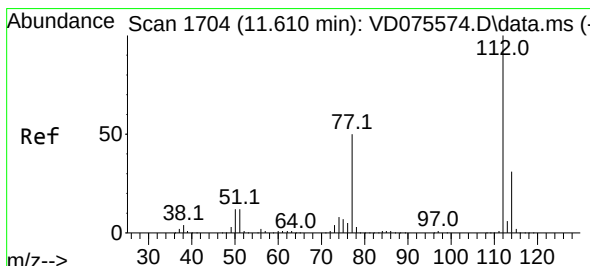
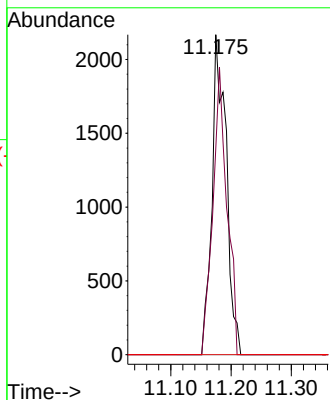
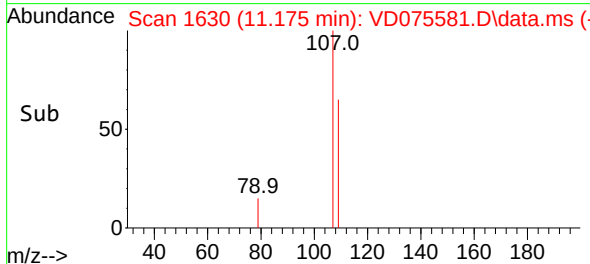
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-01



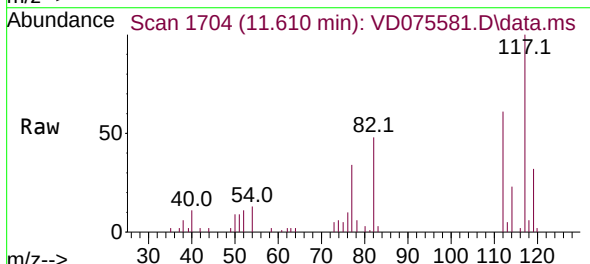
Tgt Ion:107 Resp: 3564
Ion Ratio Lower Upper
107 100
109 64.6 64.8 120.3
188 0.0 3.4 5.0

Manual Integrations
APPROVED

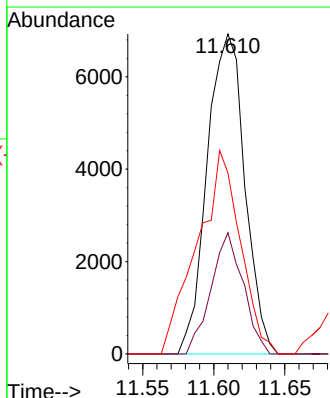
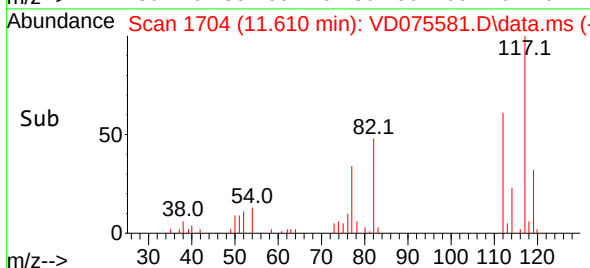
Reviewed By :Krupa Patel 04/06/2023
Supervised By :Semsettin Yesilyurt 04/06/2023

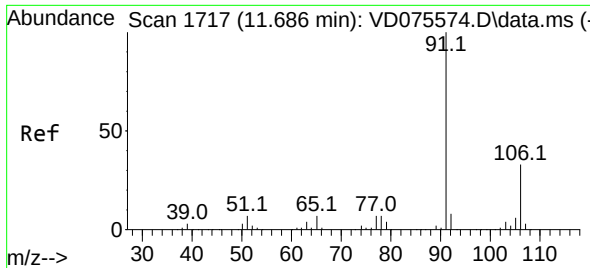


#51
Chlorobenzene
Concen: 1.128 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40



Tgt Ion:112 Resp: 12787
Ion Ratio Lower Upper
112 100
114 37.9 21.1 39.1
77 56.6 37.8 56.6





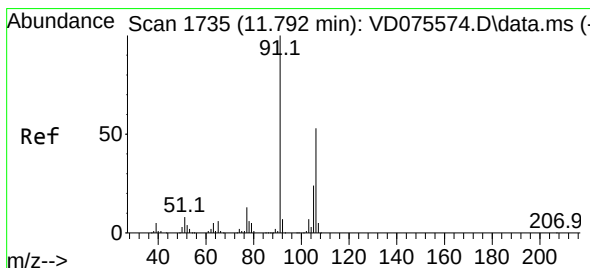
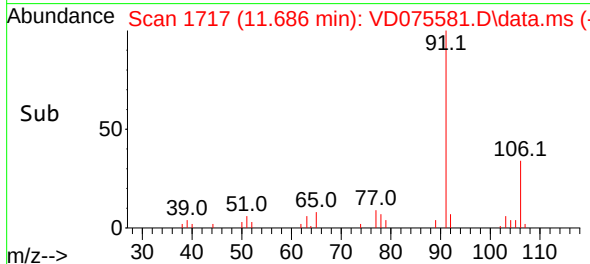
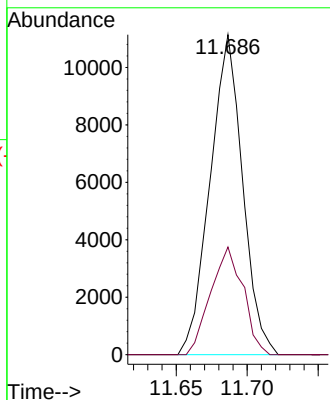
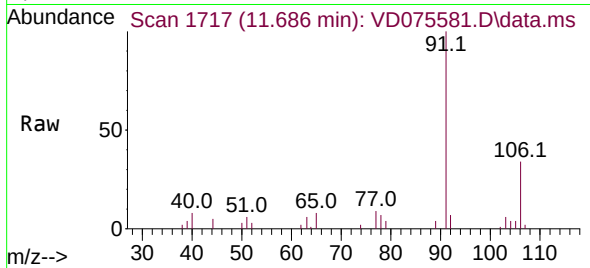
#52
Ethylbenzene
Concen: 1.002 ug/L
RT: 11.686 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-01

Tgt Ion: 91 Resp: 17734
Ion Ratio Lower Upper
91 100
106 33.7 23.2 43.2

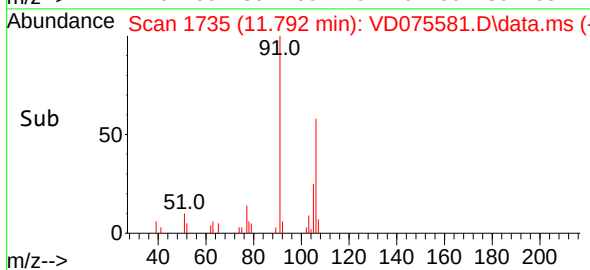
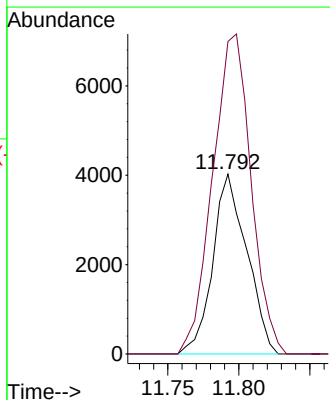
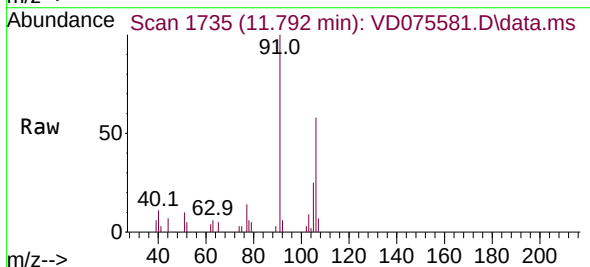
Manual Integrations
APPROVED

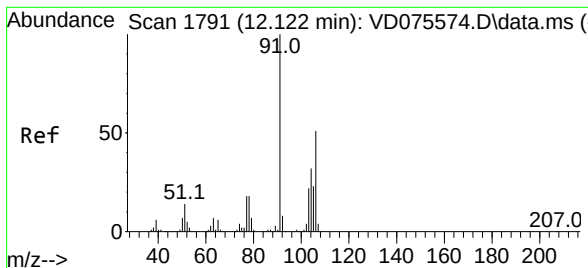
Reviewed By :Krupa Patel 04/06/2023
Supervised By :Semsettin Yesilyurt 04/06/2023



#53
m,p-Xylene
Concen: 0.967 ug/L
RT: 11.792 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

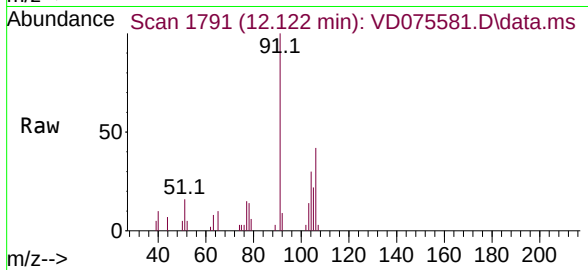
Tgt Ion:106 Resp: 6714
Ion Ratio Lower Upper
106 100
91 173.7 126.7 235.3





#54
o-Xylene
Concen: 0.900 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

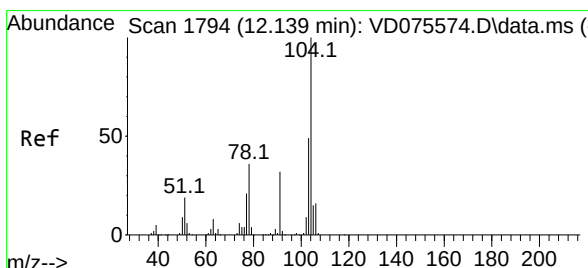
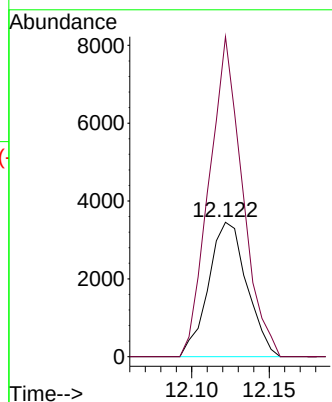
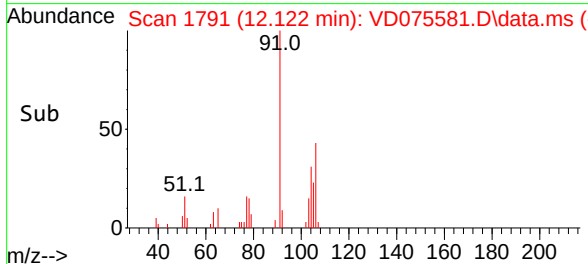
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-01



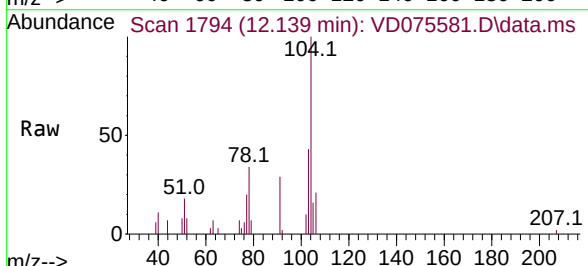
Tgt Ion:106 Resp: 5949
Ion Ratio Lower Upper
106 100
91 238.2 138.3 256.9

Manual Integrations
APPROVED

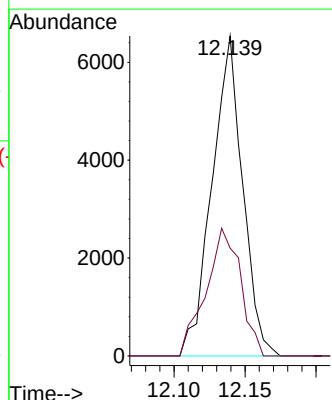
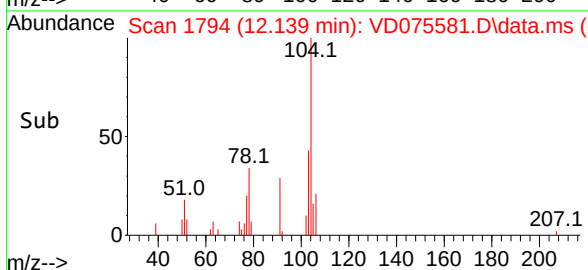
Reviewed By :Krupa Patel 04/06/2023
Supervised By :Semsettin Yesilyurt 04/06/2023

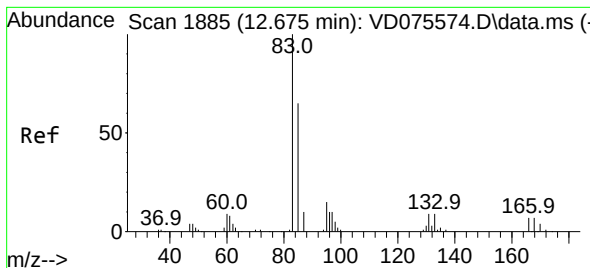


#55
Styrene
Concen: 0.834 ug/L
RT: 12.139 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40



Tgt Ion:104 Resp: 9819
Ion Ratio Lower Upper
104 100
78 33.7 25.8 47.8





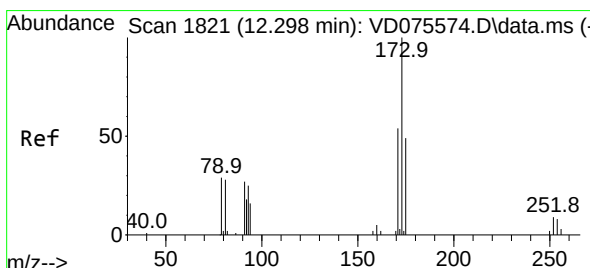
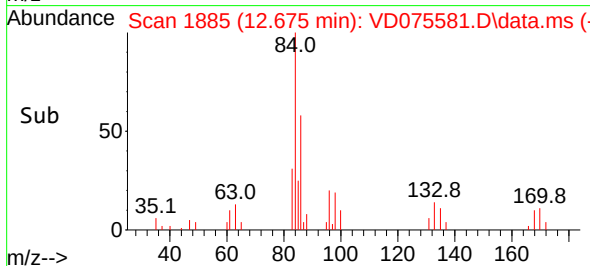
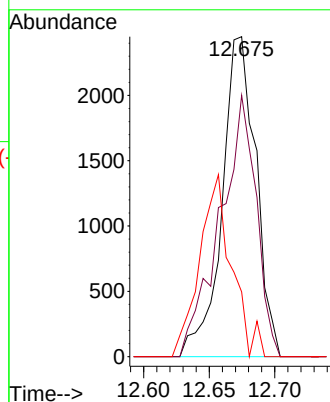
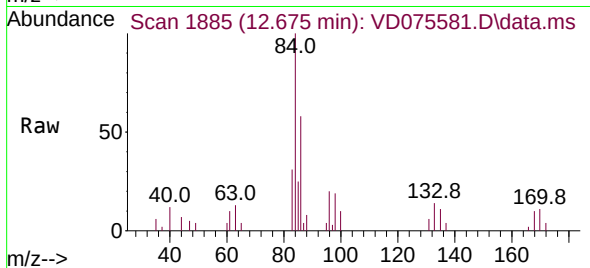
#57
1,1,2,2-Tetrachloroethane
Concen: 1.299 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT1-2023-01

Tgt Ion: 83 Resp: 4384
Ion Ratio Lower Upper
83 100
85 81.6 48.7 90.5
131 20.2 9.3 13.9

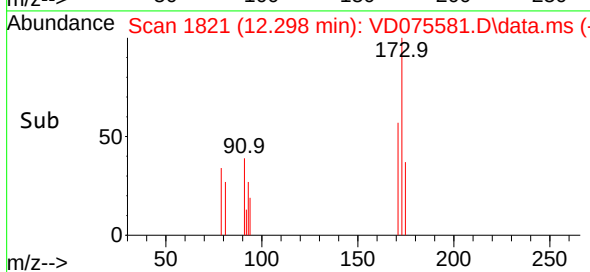
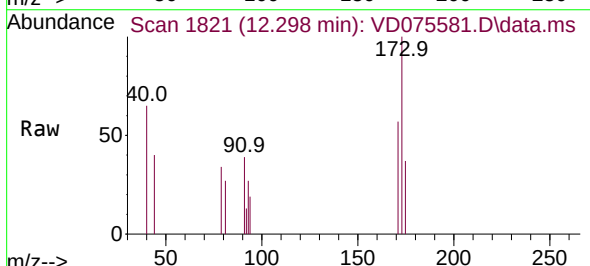
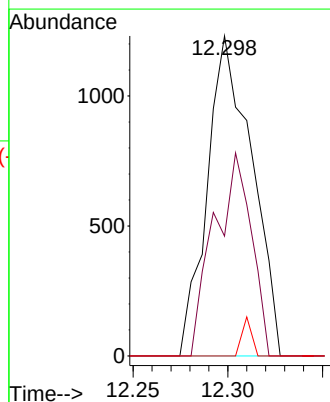
Manual Integrations
APPROVED

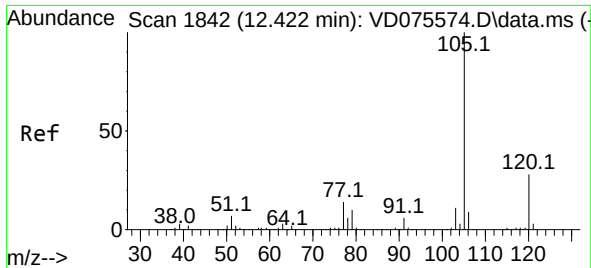
Reviewed By :Krupa Patel 04/06/2023
Supervised By :Semsettin Yesilyurt 04/06/2023



#59
Bromoform
Concen: 0.836 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. -0.006 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

Tgt Ion:173 Resp: 2016
Ion Ratio Lower Upper
173 100
175 53.0 38.7 58.1
254 0.0 7.7 11.5





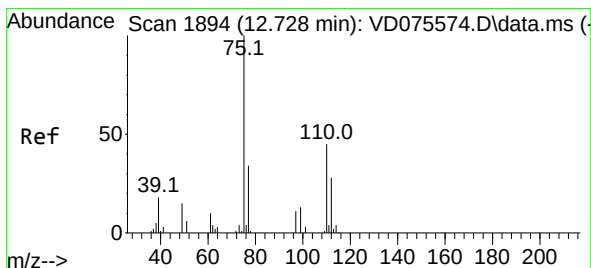
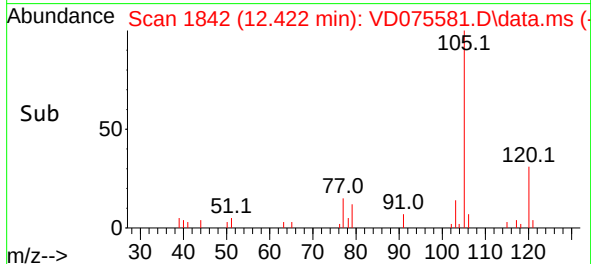
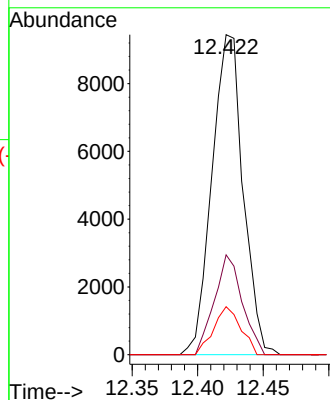
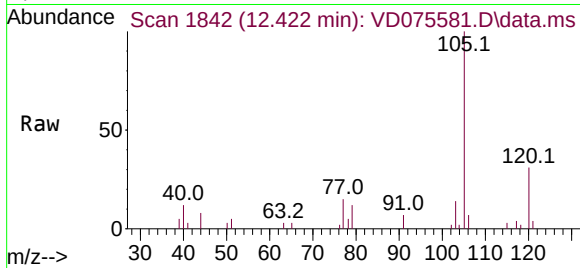
#60
Isopropylbenzene
Concen: 0.758 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-01

Tgt Ion:105 Resp: 1560
Ion Ratio Lower Upper
105 100
120 27.9 22.5 33.7
77 13.0 10.7 16.1

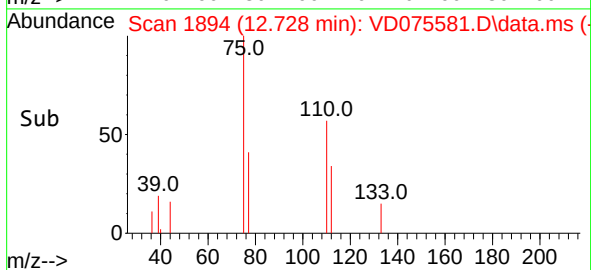
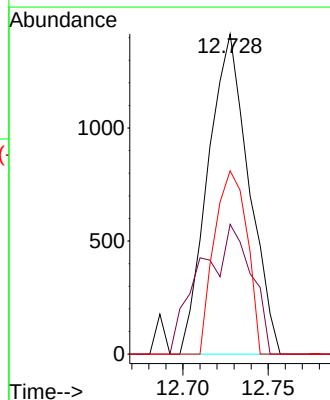
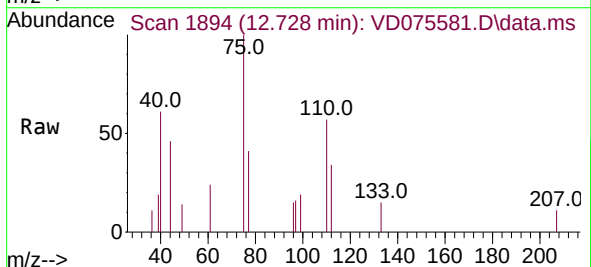
Manual Integrations
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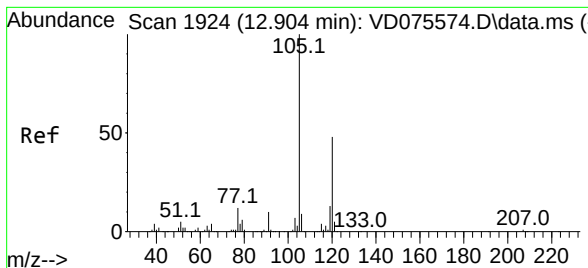
Reviewed By :Krupa Patel 04/06/2023
Supervised By :Semsettin Yesilyurt 04/06/2023



#61
1,2,3-Trichloropropane
Concen: 0.955 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

Tgt Ion: 75 Resp: 2357
Ion Ratio Lower Upper
75 100
77 25.7 25.7 38.5
110 45.8 35.9 53.9





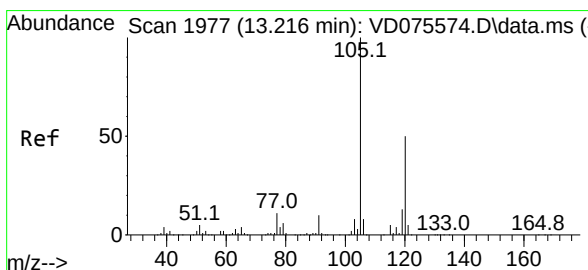
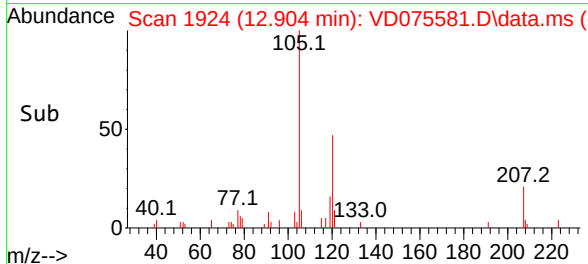
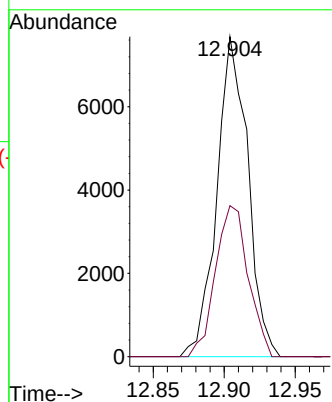
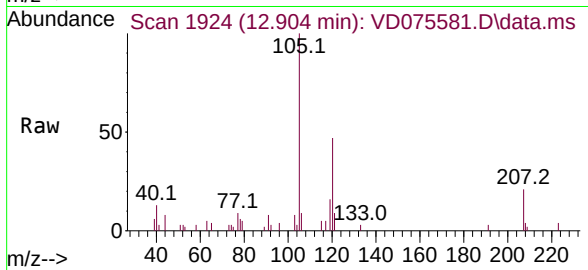
#62
1,3,5-Trimethylbenzene
Concen: 0.751 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. -0.006 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT1-2023-01

Tgt Ion:105 Resp: 11660
Ion Ratio Lower Upper
105 100
120 49.9 41.1 61.7

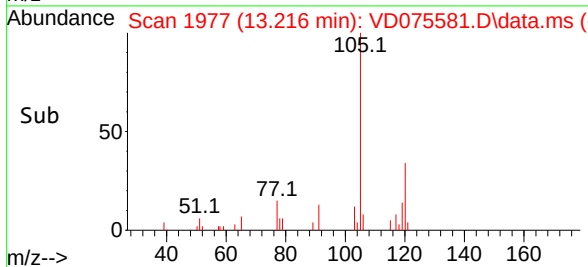
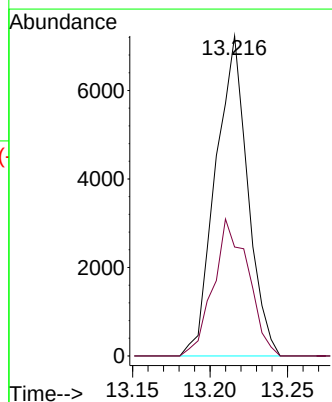
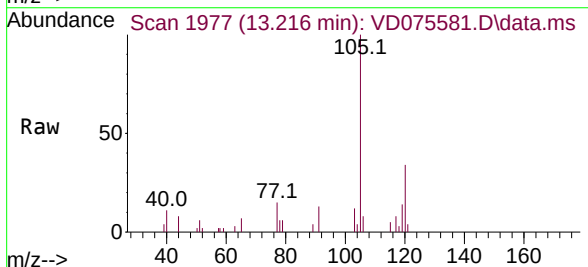
Manual Integrations
APPROVED

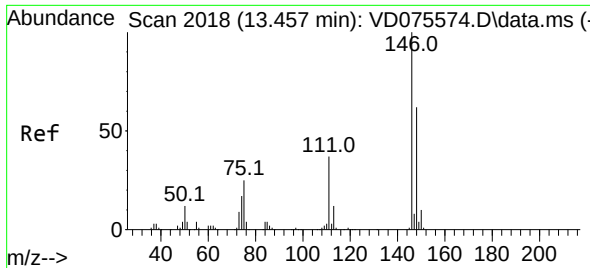
Reviewed By :Krupa Patel 04/06/2023
Supervised By :Semsettin Yesilyurt 04/06/2023



#63
1,2,4-Trimethylbenzene
Concen: 0.702 ug/L
RT: 13.216 min Scan# 1977
Delta R.T. 0.000 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

Tgt Ion:105 Resp: 10425
Ion Ratio Lower Upper
105 100
120 46.3 39.0 58.4





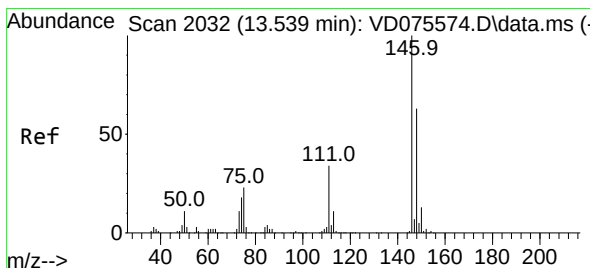
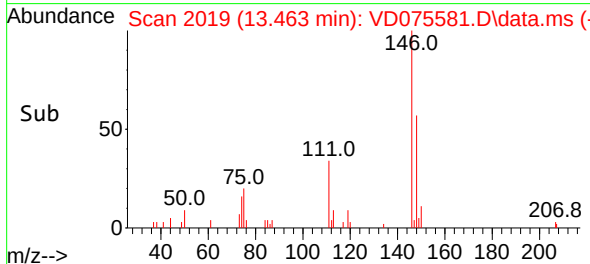
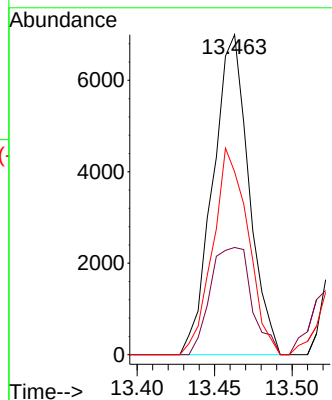
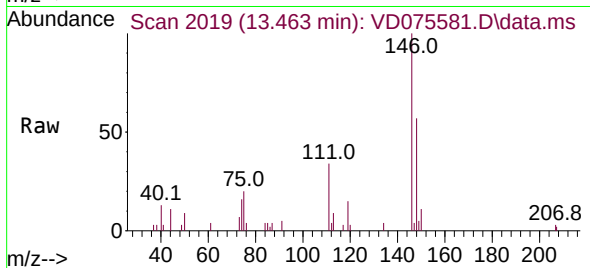
#64
1,3-Dichlorobenzene
Concen: 1.212 ug/L
RT: 13.463 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-01

Tgt Ion:146 Resp: 11294
Ion Ratio Lower Upper
146 100
111 33.5 26.2 48.8
148 57.2 44.6 82.8

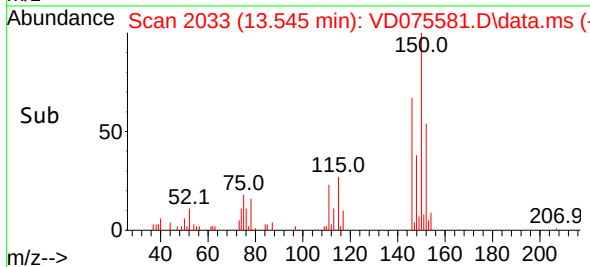
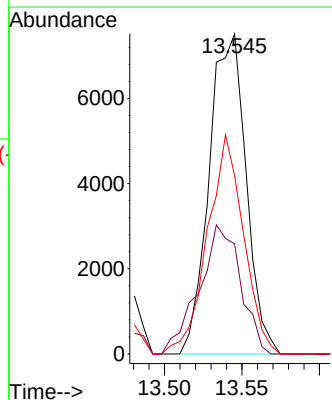
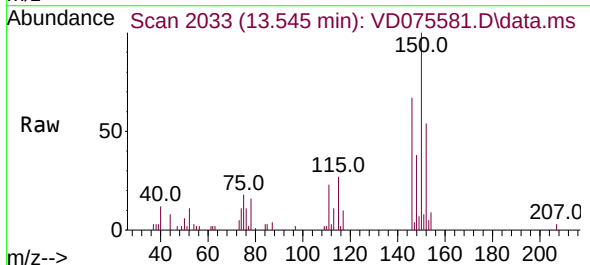
Manual Integrations
APPROVED

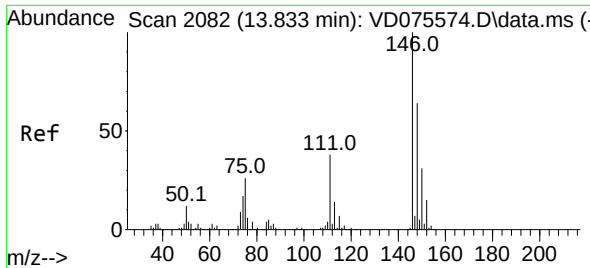
Reviewed By :Krupa Patel 04/06/2023
Supervised By :Semsettin Yesilyurt 04/06/2023



#65
1,4-Dichlorobenzene
Concen: 1.278 ug/L
RT: 13.545 min Scan# 2033
Delta R.T. 0.006 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

Tgt Ion:146 Resp: 12431
Ion Ratio Lower Upper
146 100
111 34.4 26.0 48.4
148 55.8 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 1.386 ug/L

RT: 13.833 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD075581.D

Acq: 05 Apr 2023 16:40

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2023-01

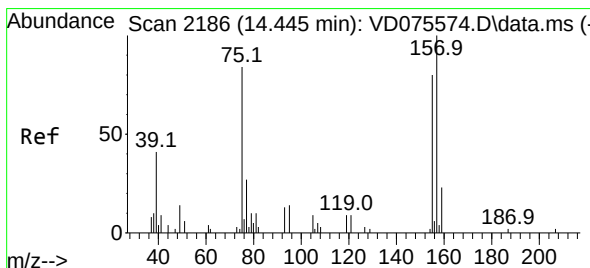
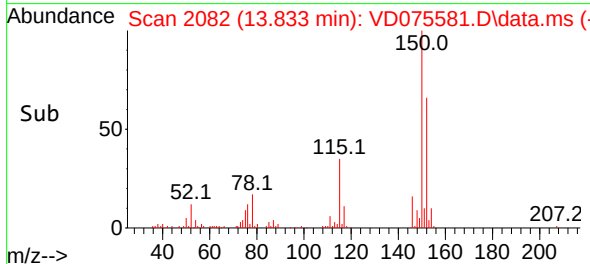
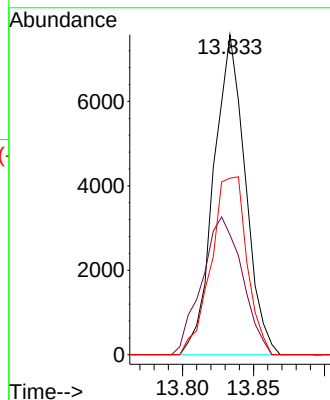
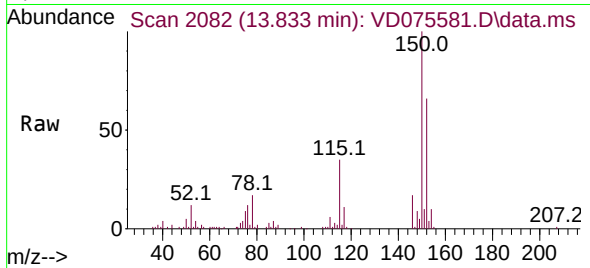
Tgt Ion:	146	Resp:	1170
Ion Ratio	Lower	Upper	
146	100		
111	37.4	31.3	46.9
148	55.2	52.8	79.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/06/2023

Supervised By :Semsettin Yesilyurt 04/06/2023



#68

1,2-Dibromo-3-chloropropane

Concen: 1.276 ug/L m

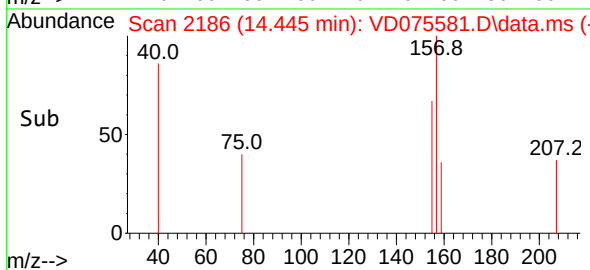
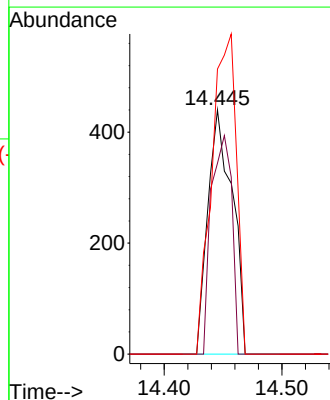
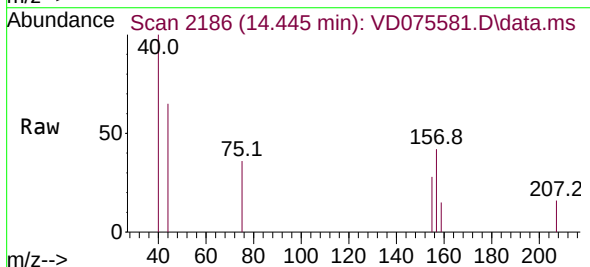
RT: 14.445 min Scan# 2186

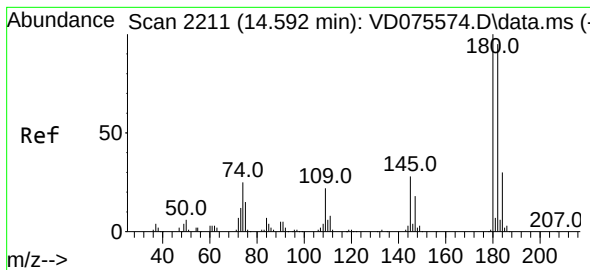
Delta R.T. -0.006 min

Lab File: VD075581.D

Acq: 05 Apr 2023 16:40

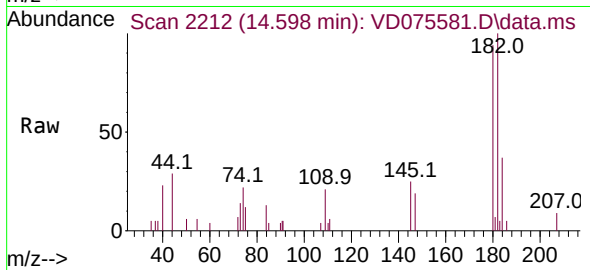
Tgt Ion:	75	Resp:	634
Ion Ratio	Lower	Upper	
75	100		
155	78.2	70.6	106.0
157	116.8	111.3	166.9





#69
 1,3,5-Trichlorobenzene
 Concen: 1.184 ug/L
 RT: 14.598 min Scan# 211
 Delta R.T. 0.000 min
 Lab File: VD075581.D
 Acq: 05 Apr 2023 16:40

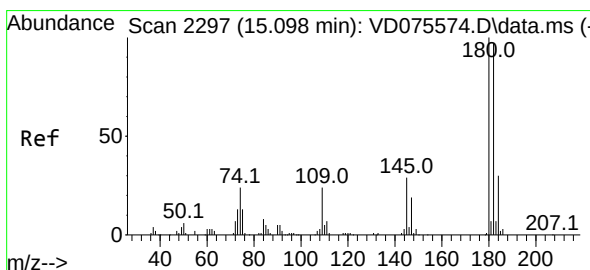
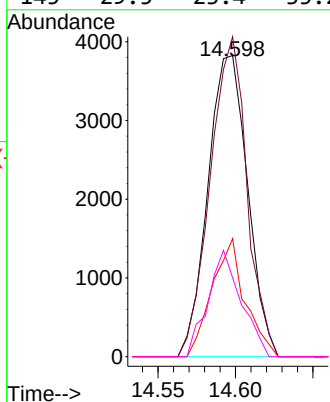
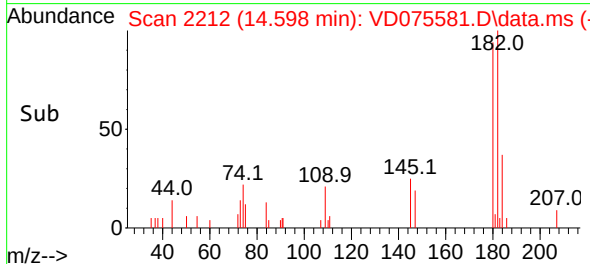
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT1-2023-01



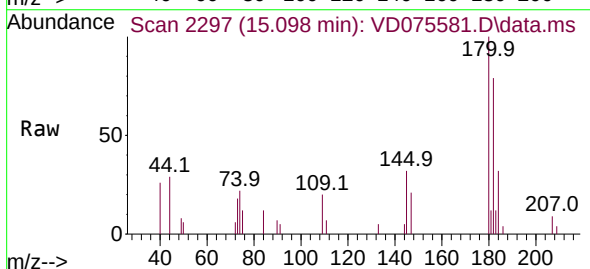
Tgt Ion:180 Resp: 6800
 Ion Ratio Lower Upper
 180 100
 182 98.0 76.9 115.3
 184 32.7 24.6 36.8
 145 29.5 23.4 35.2

Manual Integrations
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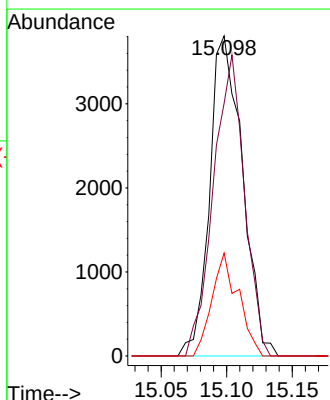
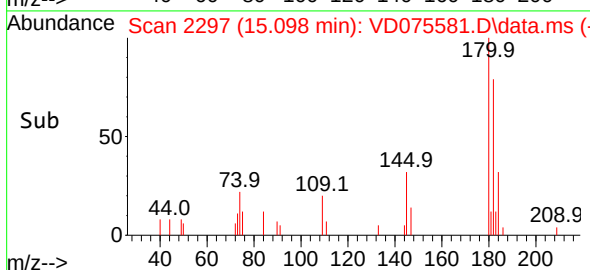
Reviewed By :Krupa Patel 04/06/2023
 Supervised By :Semsettin Yesilyurt 04/06/2023

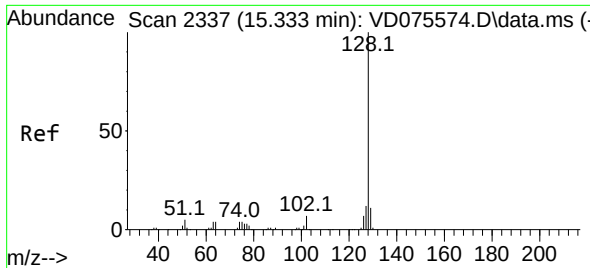


#70
 1,2,4-trichlorobenzene
 Concen: 1.426 ug/L
 RT: 15.098 min Scan# 2297
 Delta R.T. -0.006 min
 Lab File: VD075581.D
 Acq: 05 Apr 2023 16:40



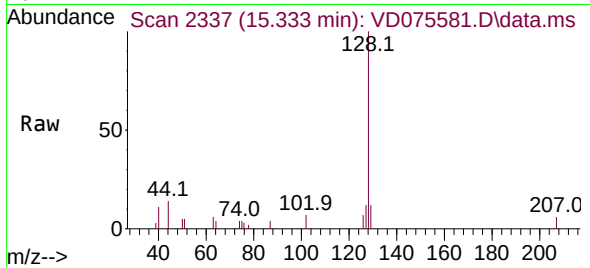
Tgt Ion:180 Resp: 6635
 Ion Ratio Lower Upper
 180 100
 182 88.8 74.2 111.2
 145 25.9 22.9 34.3





#71
Naphthalene
Concen: 1.289 ug/L
RT: 15.333 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40

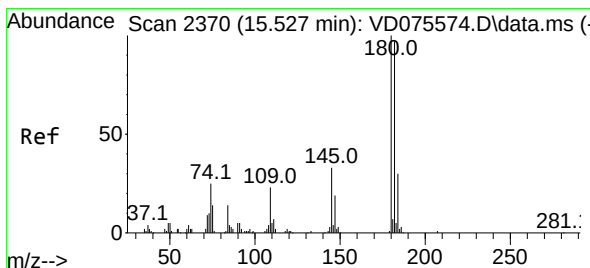
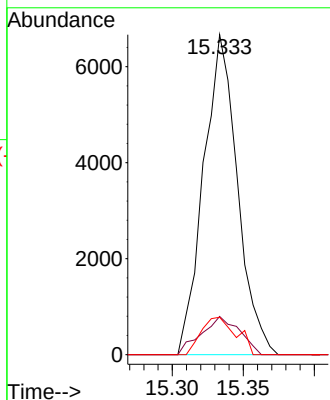
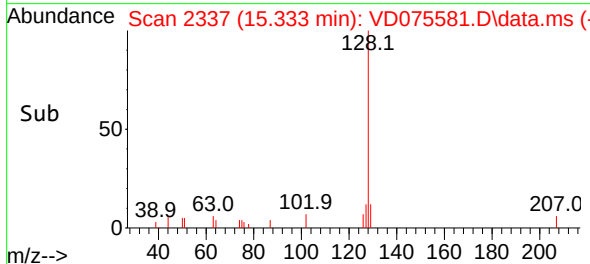
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-01



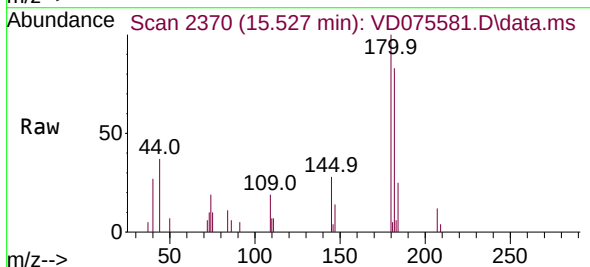
Tgt Ion:128 Resp: 11088
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 10.4 8.5 12.7

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 04/06/2023
Supervised By :Semsettin Yesilyurt 04/06/2023



#72
1,2,3-Trichlorobenzene
Concen: 1.485 ug/L
RT: 15.527 min Scan# 2370
Delta R.T. 0.006 min
Lab File: VD075581.D
Acq: 05 Apr 2023 16:40



Tgt Ion:180 Resp: 6191
Ion Ratio Lower Upper
180 100
182 90.4 75.4 113.0
145 26.7 25.2 37.8

