

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040623\
 Data File : VD075589.D
 Acq On : 06 Apr 2023 11:56
 Operator : KP/SY
 Sample : 01378-04
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT1-2023-02

Quant Time: Apr 07 01:24:52 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 04/07/2023
 Supervised By :Semsettin Yesilyurt 04/07/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	319092	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	289068	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	122836	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	188112	25.320	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 101.280%			
7) Chloroethane-d5	2.805	69	172846	26.145	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 104.600%			
11) 1,1-Dichloroethene-d2	3.916	63	120549	20.117	ug/L	-0.01
Spiked Amount 25.000	Range 45 - 110		Recovery = 80.480%			
21) 2-Butanone-d5	6.993	46	31199	64.485	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 128.980%			
24) Chloroform-d	7.569	84	192308	25.562	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 102.240%			
26) 1,2-Dichloroethane-d4	8.234	65	86228	25.864	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.440%			
32) Benzene-d6	8.204	84	408033	24.144	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 96.560%			
36) 1,2-Dichloropropane-d6	9.210	67	114341	25.388	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 101.560%			
41) Toluene-d8	10.269	98	370641	23.390	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 93.560%			
43) trans-1,3-Dichloroprop...	10.528	79	46538	24.788	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 99.160%			
47) 2-Hexanone-d5	10.881	63	27622	51.828	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 103.660%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	91114	27.005	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 108.040%			
66) 1,2-Dichlorobenzene-d4	13.816	152	105336	24.999	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 100.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	3698	1.237	ug/L	98
3) Chloromethane	2.146	50	5404	1.381	ug/L	84
5) Vinyl chloride	2.281	62	8428	1.382	ug/L #	62
6) Bromomethane	2.699	94	5337	1.283	ug/L	89
8) Chloroethane	2.846	64	5162	1.215	ug/L	86
9) Trichlorofluoromethane	3.175	101	6368	1.201	ug/L #	60
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	5738m	1.558	ug/L	
12) 1,1-Dichloroethene	3.934	96	4530m	1.488	ug/L	
13) Acetone	4.028	43	1863m	3.672	ug/L	
14) Carbon disulfide	4.269	76	9279	1.274	ug/L #	88
15) Methyl Acetate	4.563	43	1049m	1.234	ug/L	
16) Methylene chloride	4.804	84	9812m	2.237	ug/L	
17) trans-1,2-Dichloroethene	5.304	96	3727m	1.154	ug/L	
18) Methyl tert-butyl Ether	5.322	73	6751m	1.099	ug/L	
19) 1,1-Dichloroethane	6.110	63	6315	1.140	ug/L	98
20) cis-1,2-Dichloroethene	7.087	96	4076m	1.074	ug/L	
22) 2-Butanone	7.087	43	1906m	3.153	ug/L	
23) Bromochloromethane	7.428	128	1822m	1.019	ug/L	
25) Chloroform	7.598	83	9444	1.424	ug/L	98

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 Supervised By :Semsettin Yesilyurt 04/07/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	4429	1.292	ug/L	94
29) Cyclohexane	7.875	56	3734	1.058	ug/L #	81
30) 1,1,1-Trichloroethane	7.787	97	6473	1.137	ug/L #	86
31) Carbon tetrachloride	7.993	117	4813	1.047	ug/L	85
33) Benzene	8.251	78	17347	1.166	ug/L	100
34) Trichloroethene	9.028	95	4611	1.106	ug/L	85
35) Methylcyclohexane	9.269	83	5525	1.014	ug/L	93
37) 1,2-Dichloropropane	9.310	63	4133	1.181	ug/L #	82
38) Bromodichloromethane	9.581	83	5480	1.099	ug/L #	94
39) cis-1,3-Dichloropropene	10.016	75	5720	1.031	ug/L	93
40) 4-Methyl-2-pentanone	10.157	43	3067	2.338	ug/L #	81
42) Toluene	10.334	91	17934	1.085	ug/L	95
44) trans-1,3-Dichloropropene	10.551	75	6783	1.438	ug/L	96
45) 1,1,2-Trichloroethane	10.739	97	3542	1.103	ug/L #	83
46) Tetrachloroethene	10.810	164	3533	1.082	ug/L	91
48) 2-Hexanone	10.922	43	2096	2.371	ug/L	92
49) Dibromochloromethane	11.075	129	3745	1.077	ug/L	85
50) 1,2-Dibromoethane	11.181	107	2902	1.031	ug/L #	83
51) Chlorobenzene	11.604	112	11922	1.071	ug/L	93
52) Ethylbenzene	11.686	91	17516	1.008	ug/L	90
53) m,p-Xylene	11.798	106	6902	1.013	ug/L	98
54) o-Xylene	12.122	106	5548	0.855	ug/L	95
55) Styrene	12.134	104	9329	0.807	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.669	83	4032	1.217	ug/L #	87
59) Bromoform	12.298	173	1975	1.040	ug/L #	94
60) Isopropylbenzene	12.422	105	14878	0.917	ug/L	98
61) 1,2,3-Trichloropropane	12.728	75	2624	1.350	ug/L #	82
62) 1,3,5-Trimethylbenzene	12.904	105	10973	0.897	ug/L	95
63) 1,2,4-Trimethylbenzene	13.216	105	9271	0.792	ug/L	93
64) 1,3-Dichlorobenzene	13.457	146	8679	1.182	ug/L	95
65) 1,4-Dichlorobenzene	13.539	146	8995	1.174	ug/L	84
67) 1,2-Dichlorobenzene	13.833	146	8504	1.279	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.457	75	424m	1.083	ug/L	
69) 1,3,5-Trichlorobenzene	14.592	180	4603	1.016	ug/L	96
70) 1,2,4-trichlorobenzene	15.104	180	4466	1.218	ug/L	95
71) Naphthalene	15.333	128	11197	1.652	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.522	180	5482	1.669	ug/L #	92

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

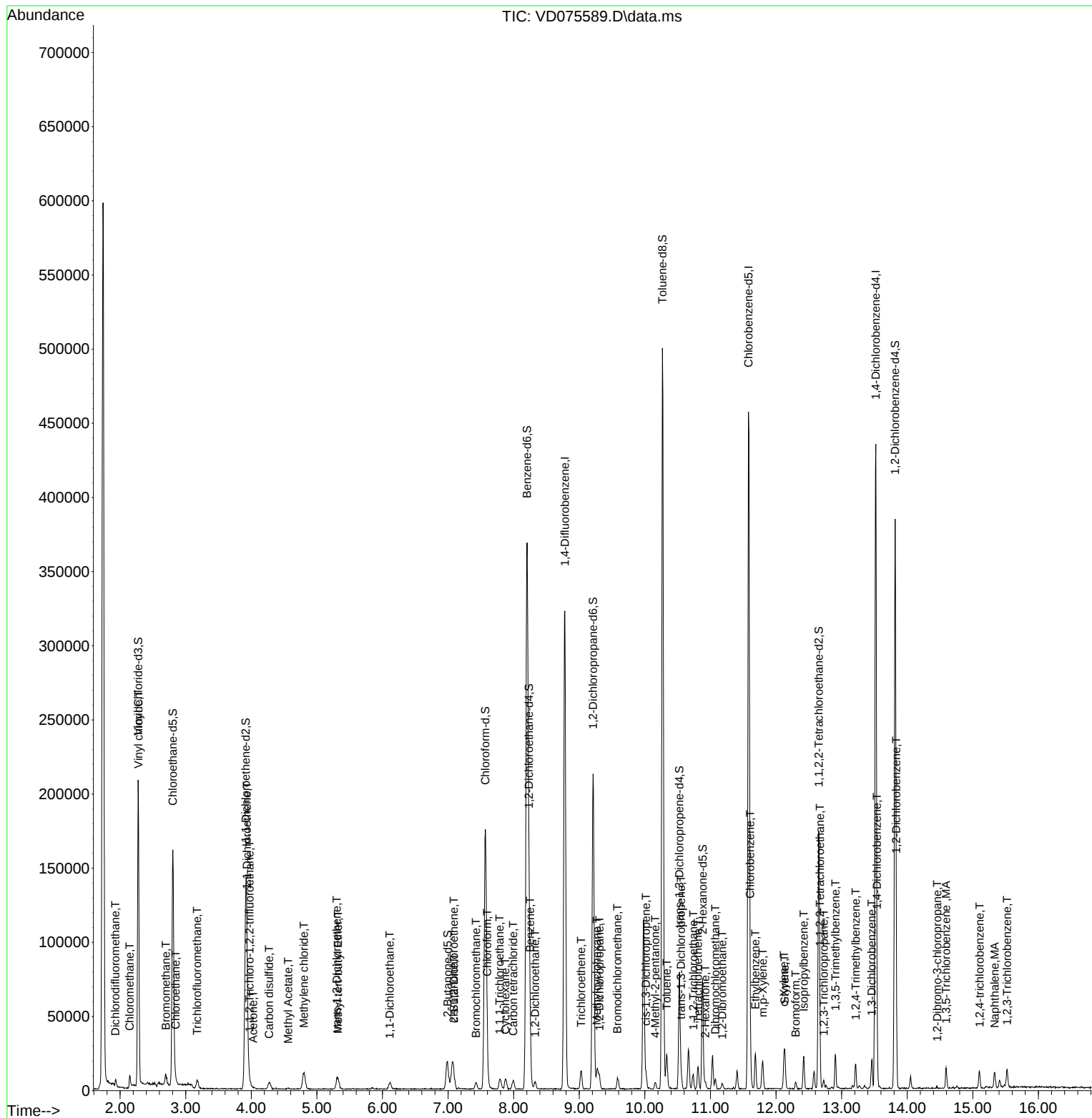
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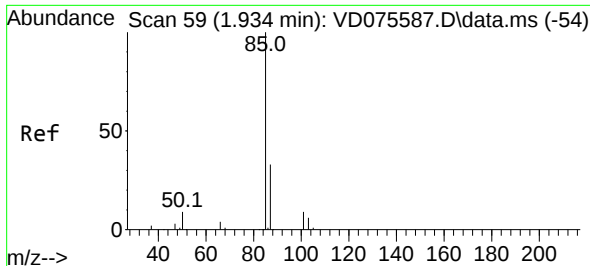
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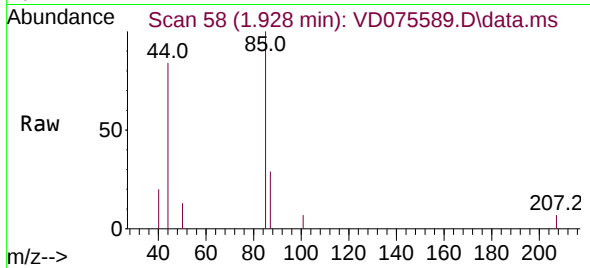
Reviewed By :Krupa Patel 04/07/2023
 Supervised By :Semsettin Yesilyurt 04/07/2023





#2
Dichlorodifluoromethane
Concen: 1.237 ug/L
RT: 1.928 min Scan# 58
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

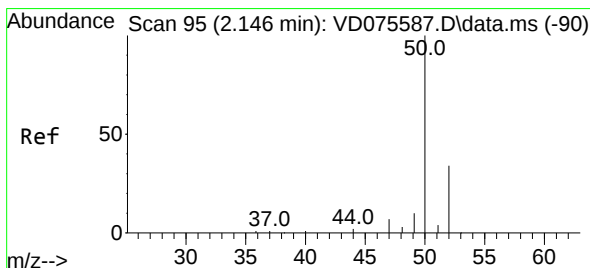
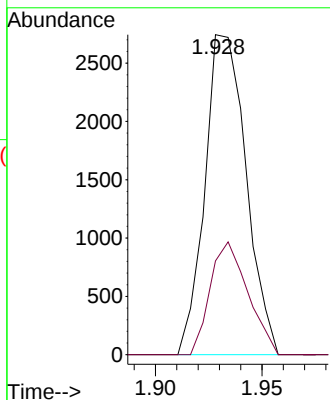
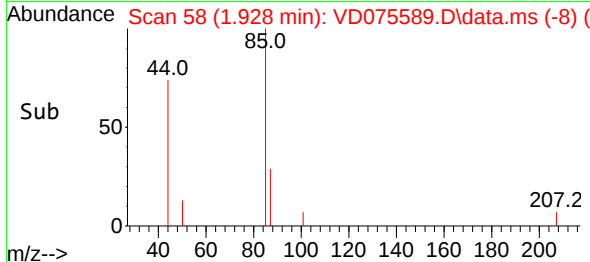
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02



Tgt Ion: 85 Resp: 3698
Ion Ratio Lower Upper
85 100
87 32.2 25.0 37.4

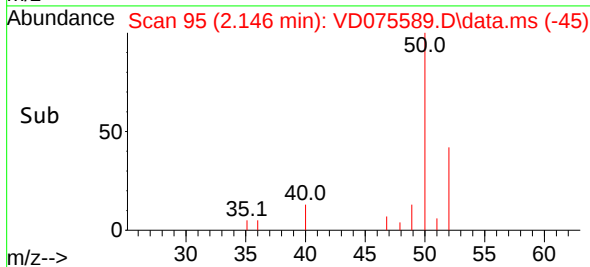
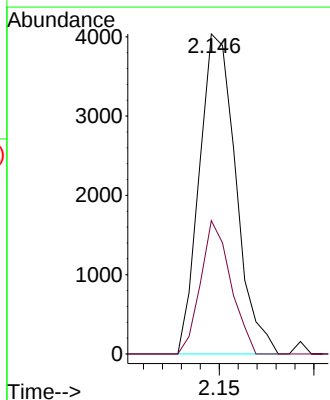
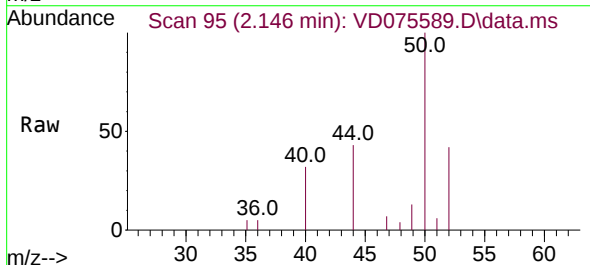
Manual Integrations
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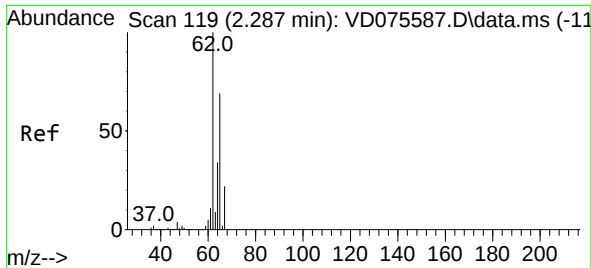
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Semsettin Yesilyurt 04/07/2023



#3
Chloromethane
Concen: 1.381 ug/L
RT: 2.146 min Scan# 95
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion: 50 Resp: 5404
Ion Ratio Lower Upper
50 100
52 41.7 22.7 42.1





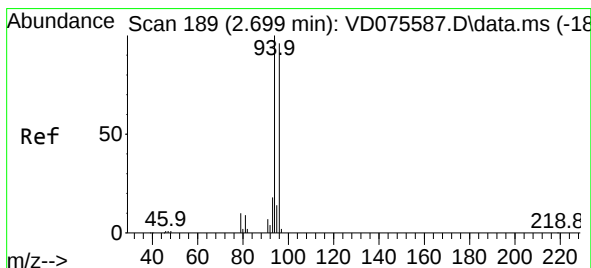
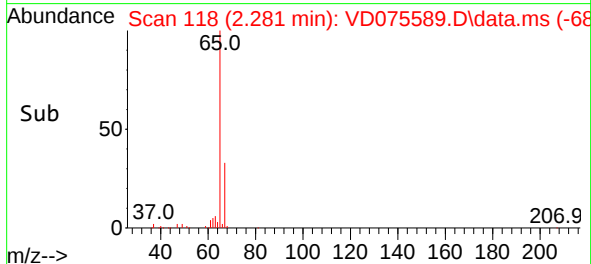
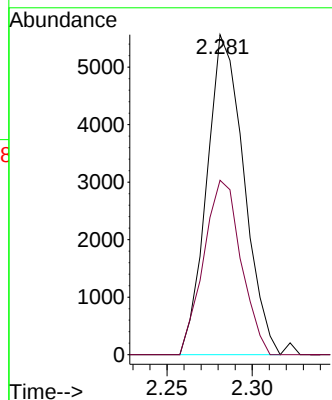
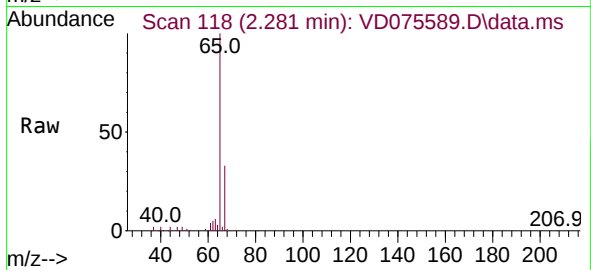
#5
 Vinyl chloride
 Concen: 1.382 ug/L
 RT: 2.281 min Scan# 119
 Delta R.T. -0.006 min
 Lab File: VD075589.D
 Acq: 06 Apr 2023 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT1-2023-02

Tgt Ion: 62 Resp: 8428
 Ion Ratio Lower Upper
 62 100
 64 54.5 23.1 42.9

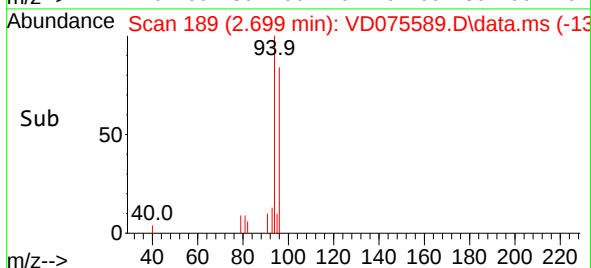
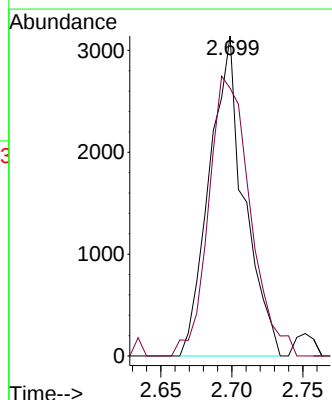
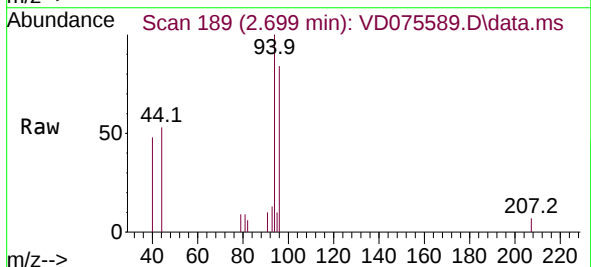
Manual Integrations
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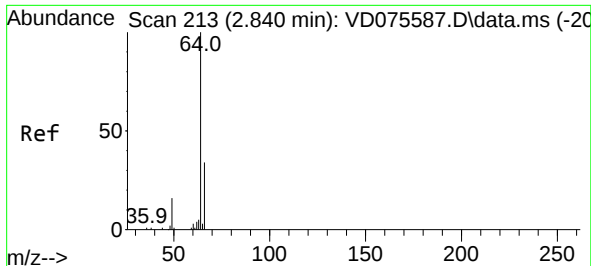
Reviewed By :Krupa Patel 04/07/2023
 Supervised By :Semsettin Yesilyurt 04/07/2023



#6
 Bromomethane
 Concen: 1.283 ug/L
 RT: 2.699 min Scan# 189
 Delta R.T. 0.000 min
 Lab File: VD075589.D
 Acq: 06 Apr 2023 11:56

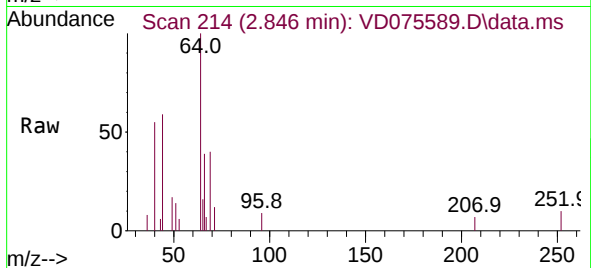
Tgt Ion: 94 Resp: 5337
 Ion Ratio Lower Upper
 94 100
 96 83.6 66.1 122.7





#8
Chloroethane
Concen: 1.215 ug/L
RT: 2.846 min Scan# 213
Delta R.T. 0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

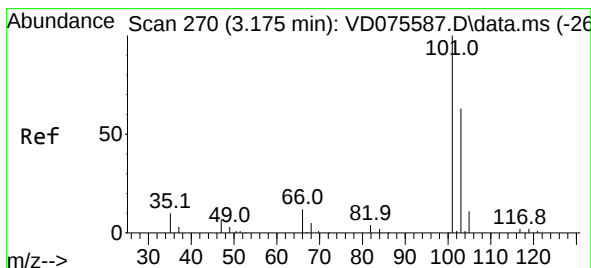
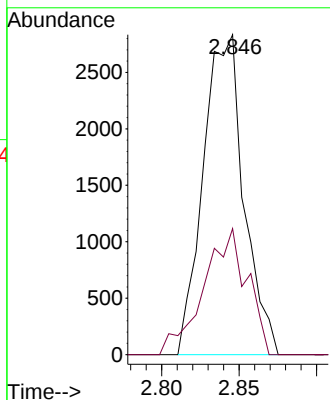
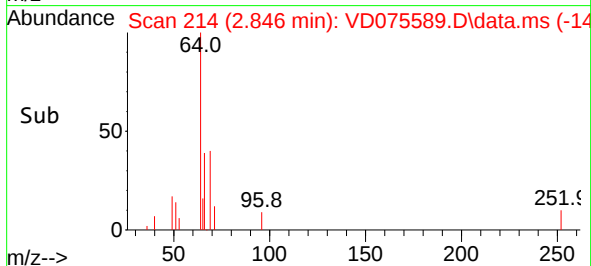
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02



Tgt Ion: 64 Resp: 5162
Ion Ratio Lower Upper
64 100
66 39.4 22.0 41.0

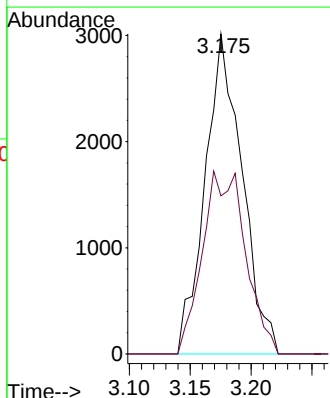
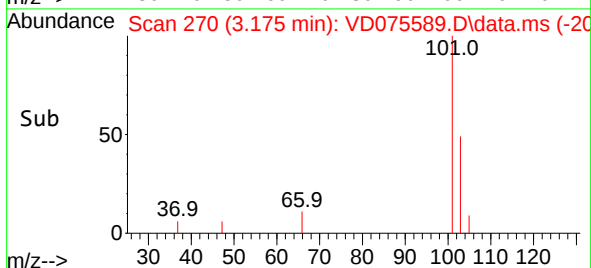
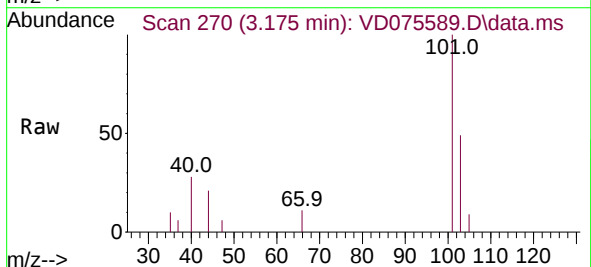
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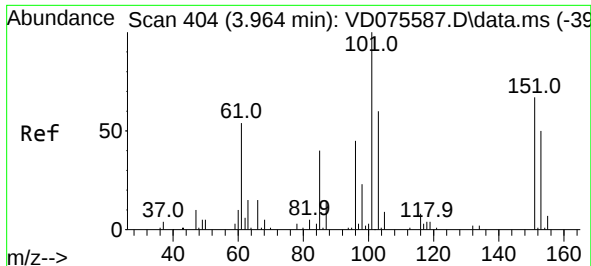
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Semsettin Yesilyurt 04/07/2023



#9
Trichlorofluoromethane
Concen: 1.201 ug/L
RT: 3.175 min Scan# 270
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

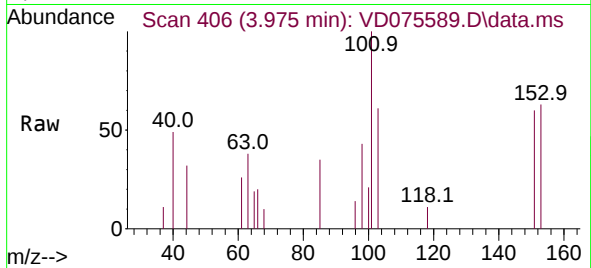
Tgt Ion:101 Resp: 6368
Ion Ratio Lower Upper
101 100
103 32.7 51.5 77.3#





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.558 ug/L m
RT: 3.975 min Scan# 404
Delta R.T. 0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

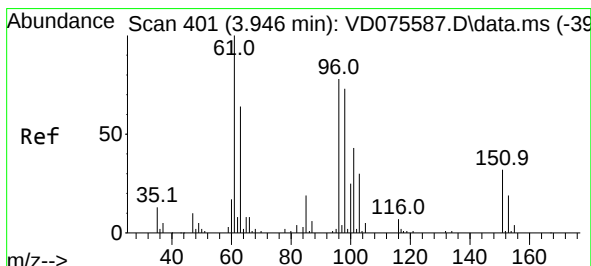
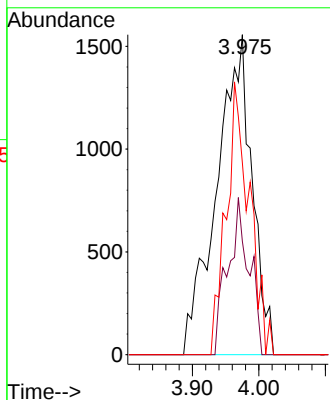
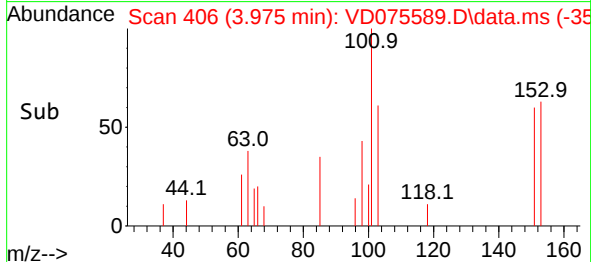
Instrument :
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Tgt Ion: 101 Resp: 5738
Ion Ratio Lower Upper
101 100
85 25.4 33.4 50.0#
151 15.3 55.8 83.8#

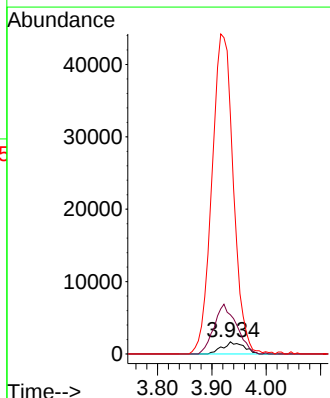
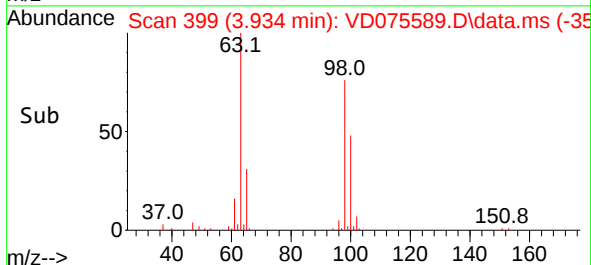
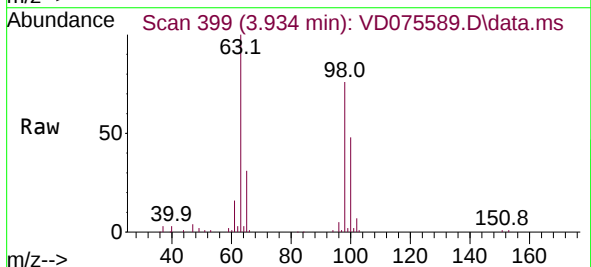
Manual Integrations
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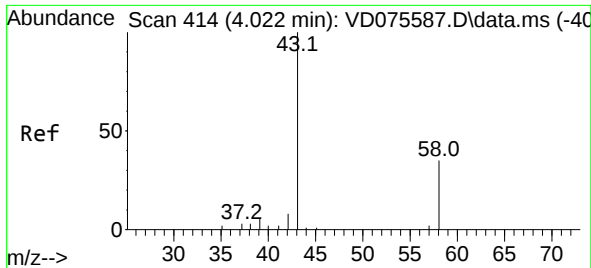
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Semsettin Yesilyurt 04/07/2023



#12
1,1-Dichloroethene
Concen: 1.488 ug/L m
RT: 3.934 min Scan# 399
Delta R.T. -0.012 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion: 96 Resp: 4530
Ion Ratio Lower Upper
96 100
61 322.4 96.7 179.7#
63 1967.2 76.0 141.2#





#13

Acetone

Concen: 3.672 ug/L m

RT: 4.028 min Scan# 414

Delta R.T. 0.012 min

Lab File: VD075589.D

Acq: 06 Apr 2023 11:56

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2023-02

Tgt Ion: 43 Resp: 186

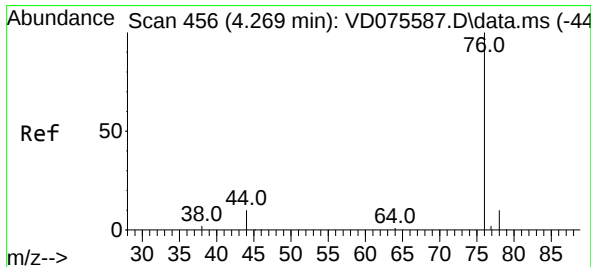
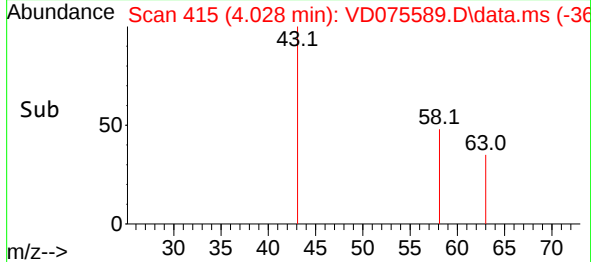
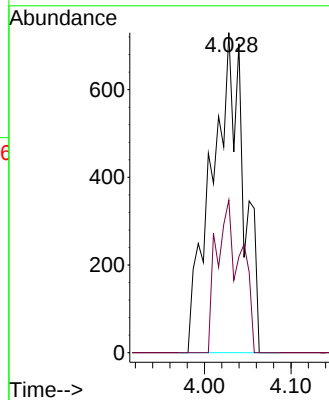
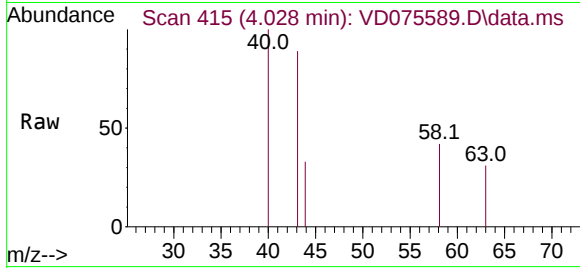
Ion	Ratio	Lower	Upper
43	100		
58	15.2	0.0	77.4

Manual Integrations

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#14

Carbon disulfide

Concen: 1.274 ug/L

RT: 4.269 min Scan# 456

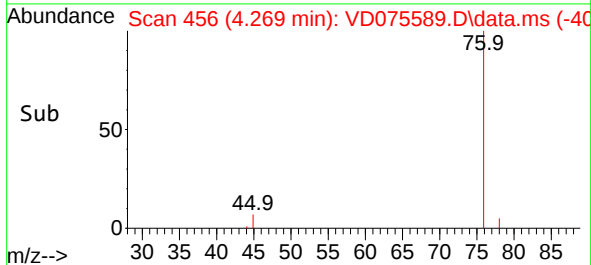
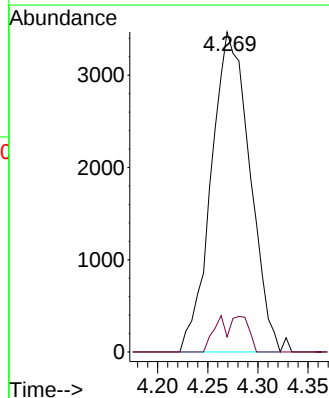
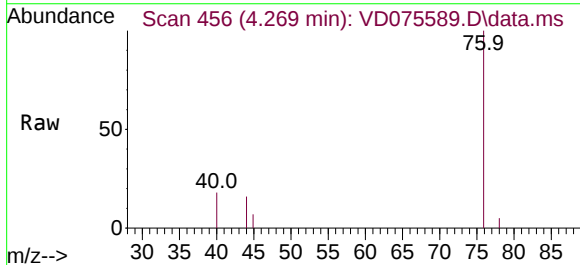
Delta R.T. -0.006 min

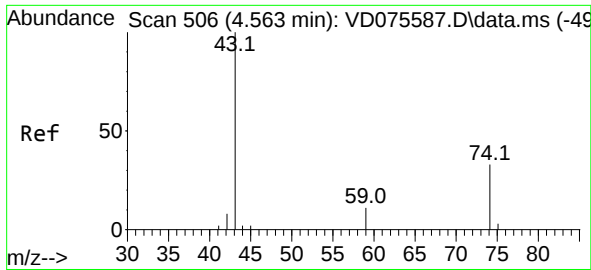
Lab File: VD075589.D

Acq: 06 Apr 2023 11:56

Tgt Ion: 76 Resp: 9279

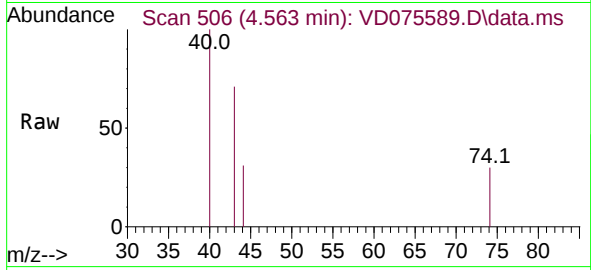
Ion	Ratio	Lower	Upper
76	100		
78	4.7	7.4	11.0





#15
Methyl Acetate
Concen: 1.234 ug/L m
RT: 4.563 min Scan# 506
Delta R.T. 0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

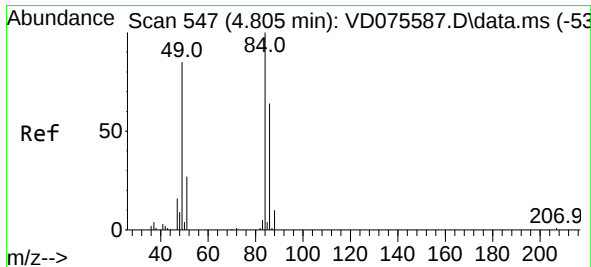
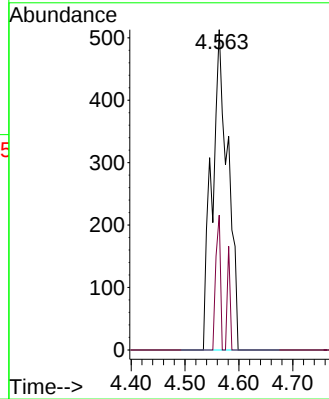
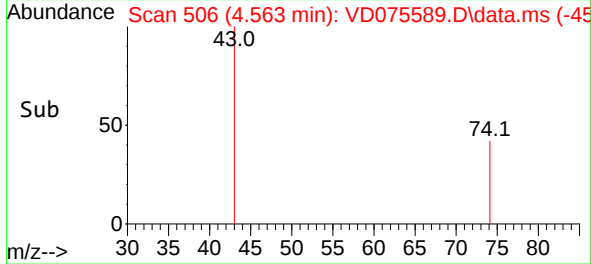
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02



Tgt Ion: 43 Resp: 1049
Ion Ratio Lower Upper
43 100
74 12.3 29.0 43.4

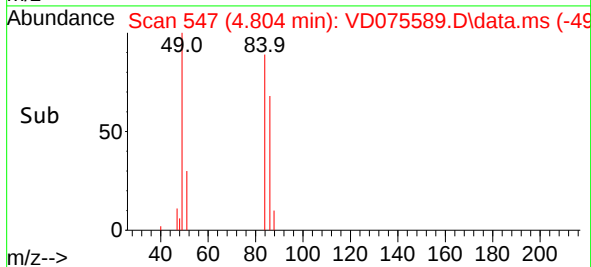
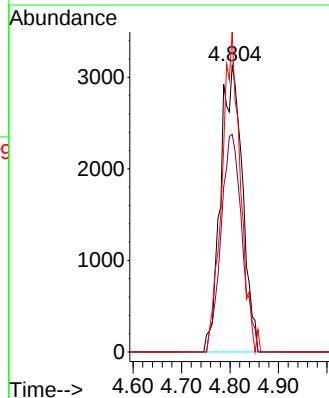
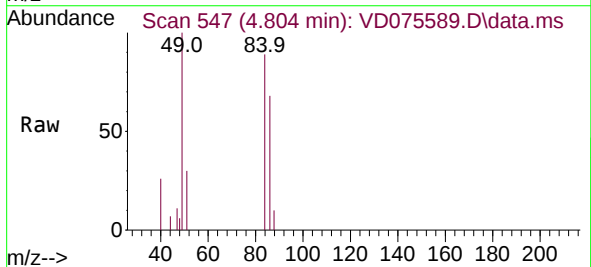
Manual Integrations
APPROVED

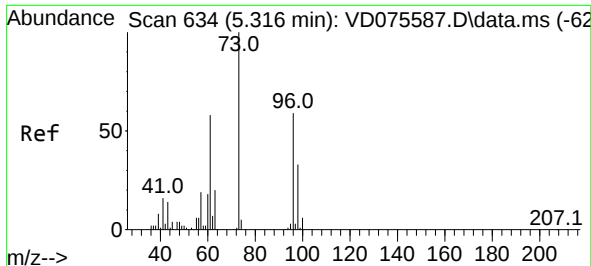
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Semsettin Yesilyurt 04/07/2023



#16
Methylene chloride
Concen: 2.237 ug/L m
RT: 4.804 min Scan# 547
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

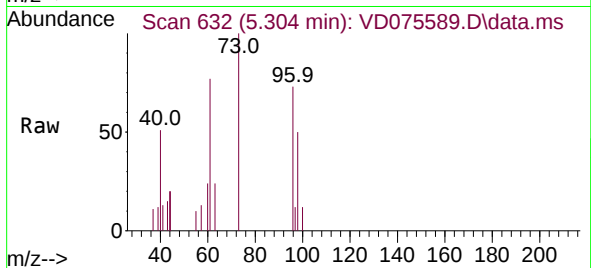
Tgt Ion: 84 Resp: 9812
Ion Ratio Lower Upper
84 100
86 76.0 44.4 82.4
49 111.8 58.5 108.7#





#17
trans-1,2-Dichloroethene
Concen: 1.154 ug/L m
RT: 5.304 min Scan# 61
Delta R.T. -0.018 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

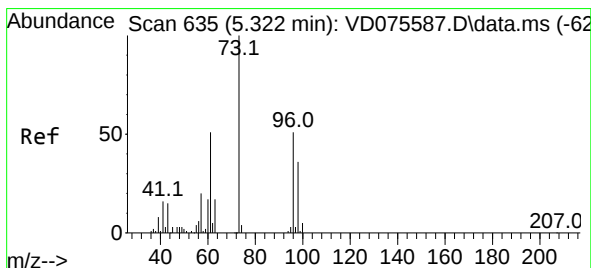
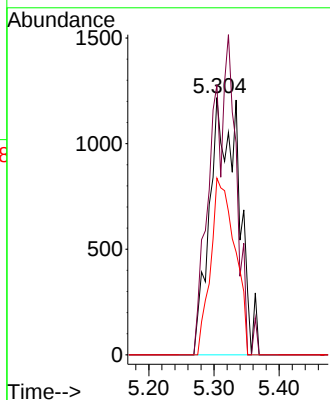
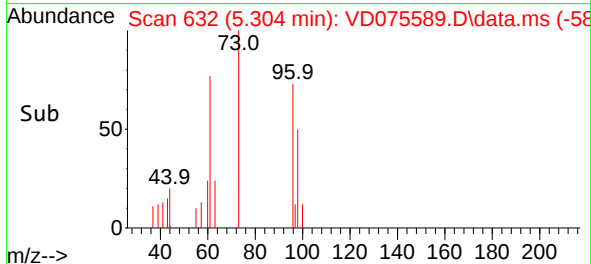
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02



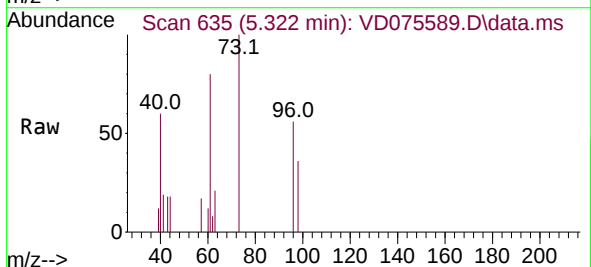
Tgt Ion: 96 Resp: 372
Ion Ratio Lower Upper
96 100
61 105.0 75.4 140.0
98 68.6 43.8 81.3

Manual Integrations
APPROVED

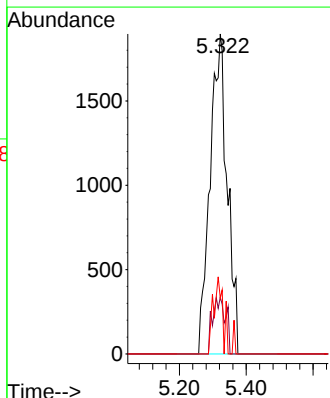
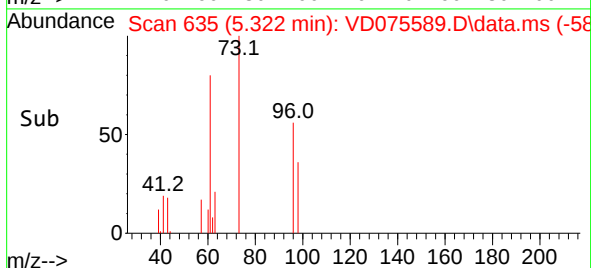
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Semsettin Yesilyurt 04/07/2023

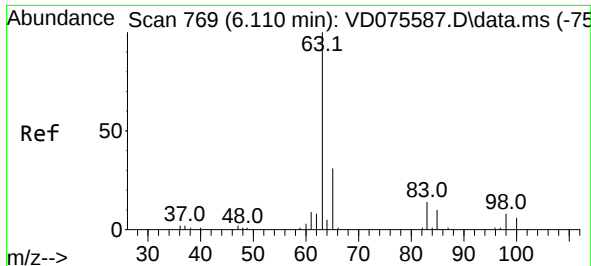


#18
Methyl tert-butyl Ether
Concen: 1.099 ug/L m
RT: 5.322 min Scan# 635
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56



Tgt Ion: 73 Resp: 6751
Ion Ratio Lower Upper
73 100
43 0.0 11.4 17.0#
57 7.9 15.8 23.6#





#19

1,1-Dichloroethane

Concen: 1.140 ug/L

RT: 6.110 min Scan# 769

Delta R.T. -0.006 min

Lab File: VD075589.D

Acq: 06 Apr 2023 11:56

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2023-02

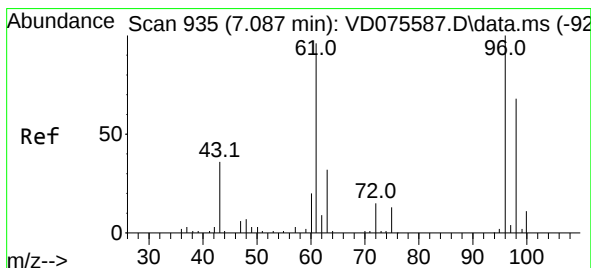
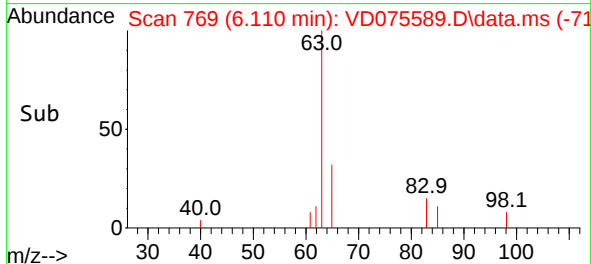
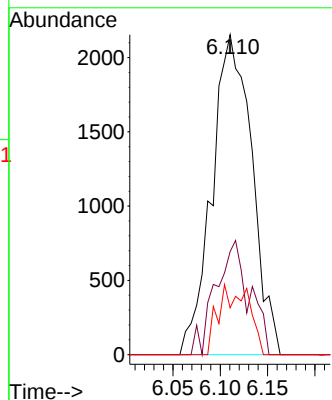
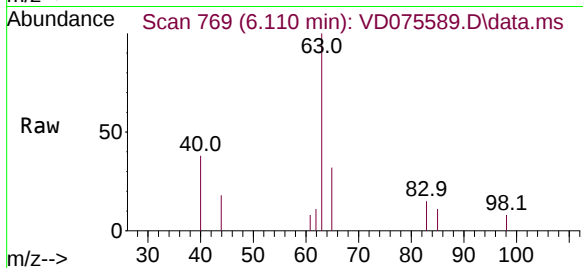
Tgt Ion: 63 Resp: 6315
 Ion Ratio Lower Upper
 63 100
 65 32.2 23.1 42.9
 83 14.6 11.2 20.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Semsettin Yesilyurt 04/07/2023



#20

cis-1,2-Dichloroethene

Concen: 1.074 ug/L m

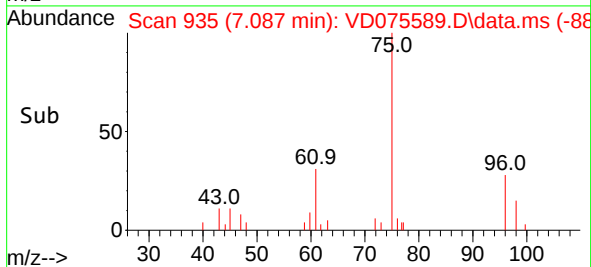
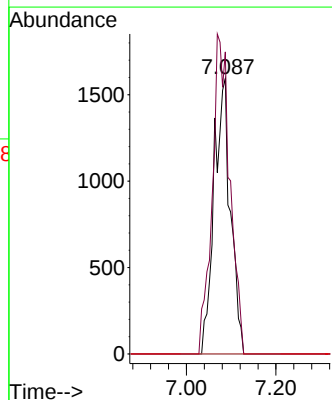
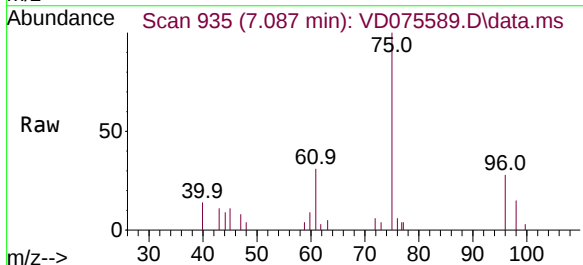
RT: 7.087 min Scan# 935

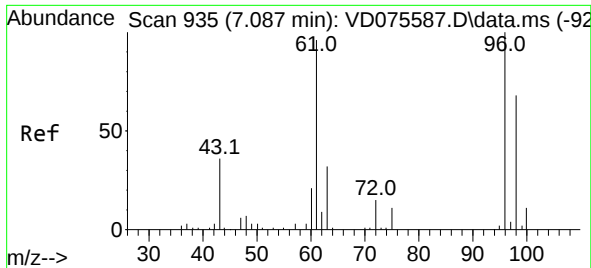
Delta R.T. 0.000 min

Lab File: VD075589.D

Acq: 06 Apr 2023 11:56

Tgt Ion: 96 Resp: 4076
 Ion Ratio Lower Upper
 96 100
 61 109.7 64.8 120.4
 68 0.0 0.0 0.0





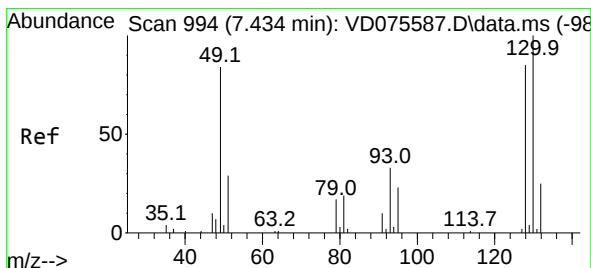
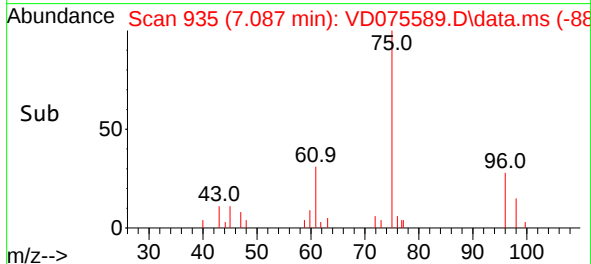
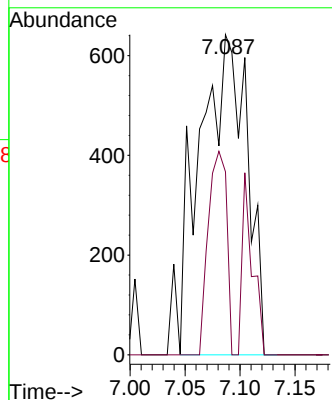
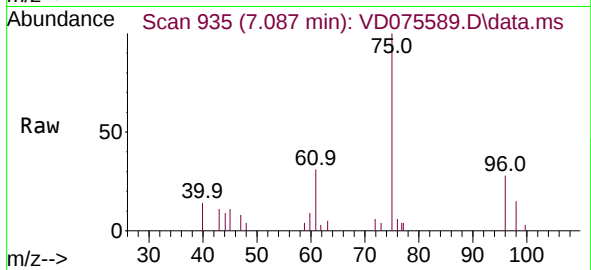
#22
2-Butanone
Concen: 3.153 ug/L m
RT: 7.087 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02

Tgt Ion: 43 Resp: 1900
Ion Ratio Lower Upper
43 100
72 24.9 21.3 63.9

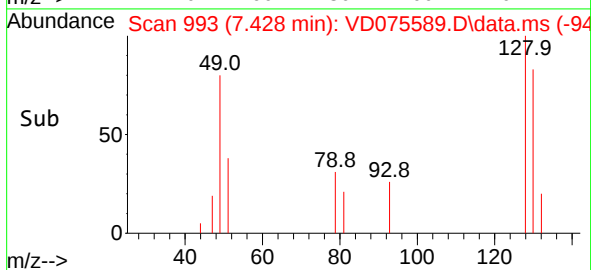
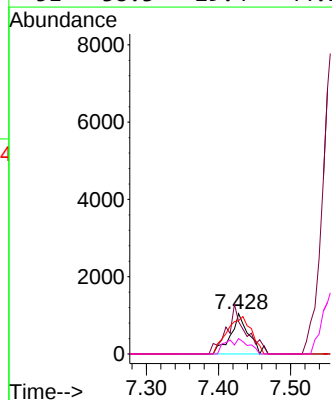
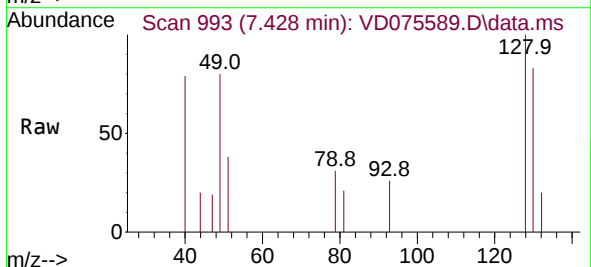
Manual Integrations
APPROVED

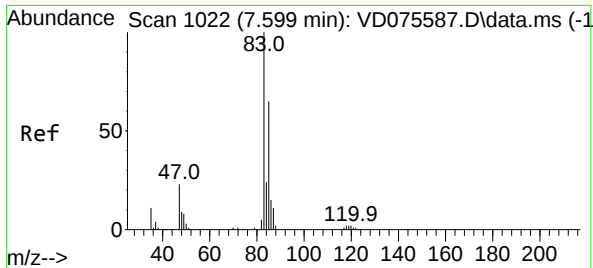
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Semsettin Yesilyurt 04/07/2023



#23
Bromochloromethane
Concen: 1.019 ug/L m
RT: 7.428 min Scan# 993
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion:128 Resp: 1822
Ion Ratio Lower Upper
128 100
49 80.2 75.0 139.4
130 82.7 87.4 162.2#
51 38.3 29.4 44.2





#25

Chloroform

Concen: 1.424 ug/L

RT: 7.598 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VD075589.D

Acq: 06 Apr 2023 11:56

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2023-02

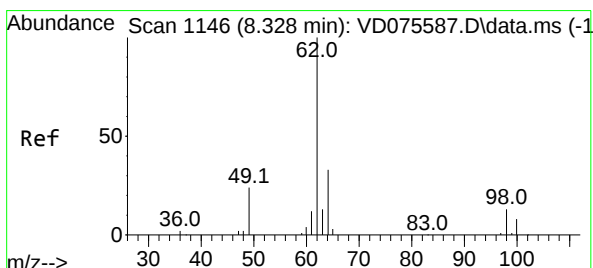
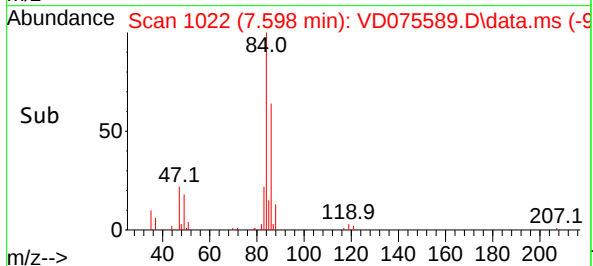
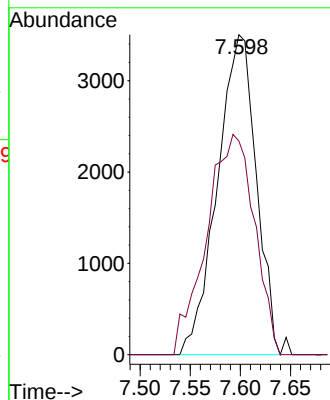
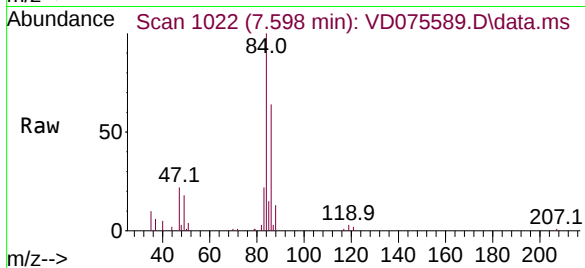
Tgt Ion: 83 Resp: 944
 Ion Ratio Lower Upper
 83 100
 85 66.8 45.8 85.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Semsettin Yesilyurt 04/07/2023



#27

1,2-Dichloroethane

Concen: 1.292 ug/L

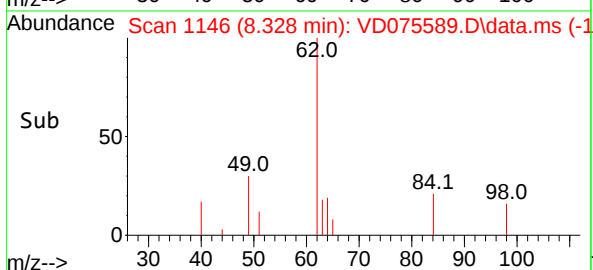
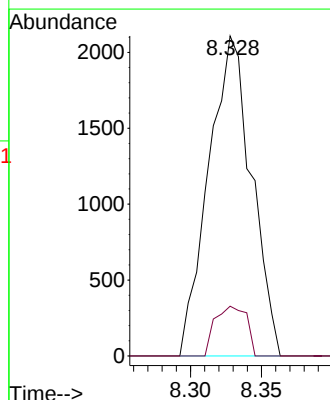
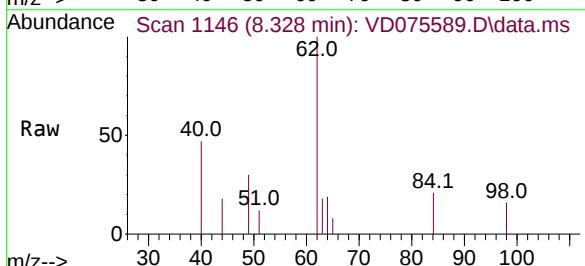
RT: 8.328 min Scan# 1146

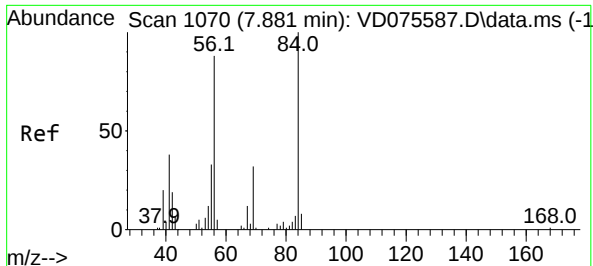
Delta R.T. 0.000 min

Lab File: VD075589.D

Acq: 06 Apr 2023 11:56

Tgt Ion: 62 Resp: 4429
 Ion Ratio Lower Upper
 62 100
 98 15.6 10.5 15.7





#29

Cyclohexane

Concen: 1.058 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD075589.D

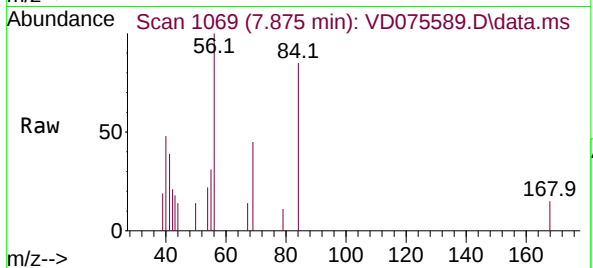
Acq: 06 Apr 2023 11:56

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2023-02



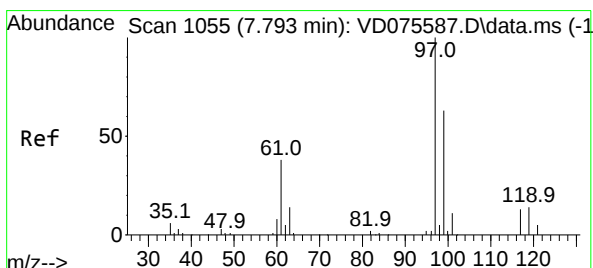
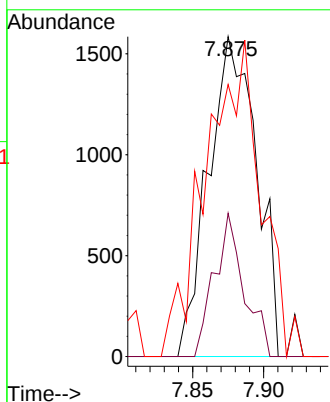
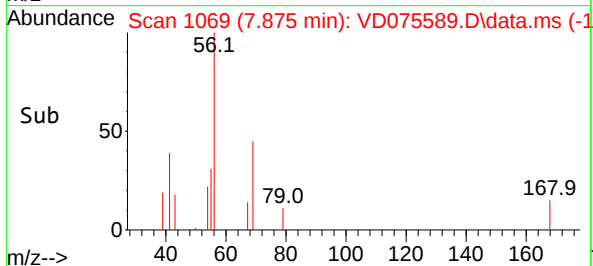
Tgt Ion:	56	69	84
Ratio	100	25.5	92.6
Lower		28.3	91.1
Upper		42.5	136.7

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Semsettin Yesilyurt 04/07/2023



#30

1,1,1-Trichloroethane

Concen: 1.137 ug/L

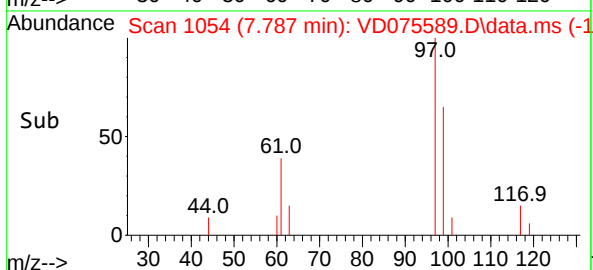
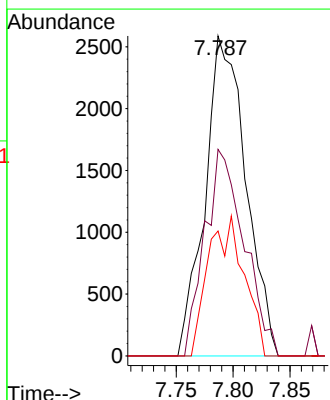
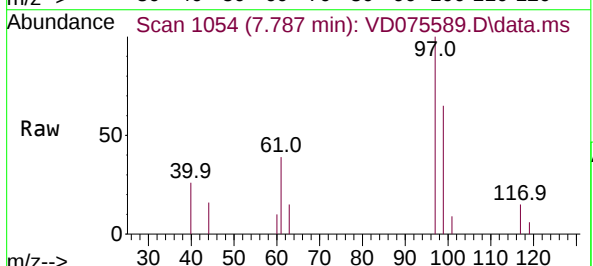
RT: 7.787 min Scan# 1054

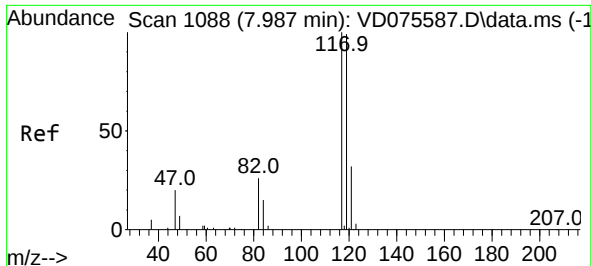
Delta R.T. -0.006 min

Lab File: VD075589.D

Acq: 06 Apr 2023 11:56

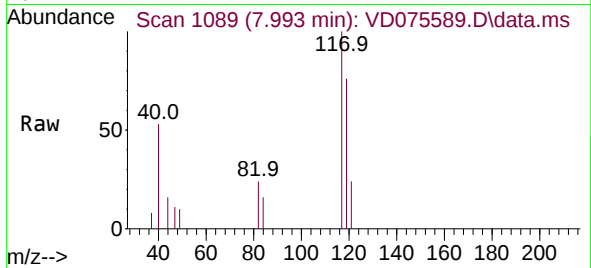
Tgt Ion:	97	99	61
Ratio	100	62.3	20.1
Lower		51.4	32.2
Upper		77.2	48.2





#31
Carbon tetrachloride
Concen: 1.047 ug/L
RT: 7.993 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

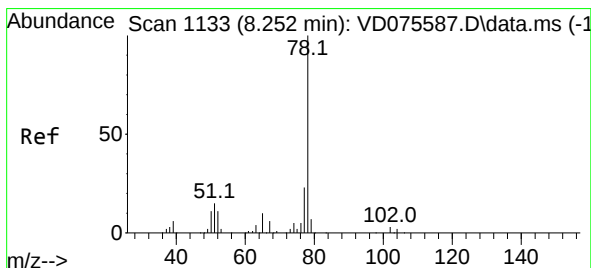
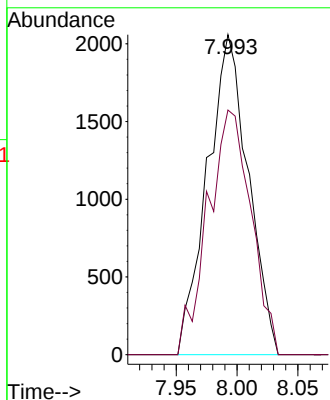
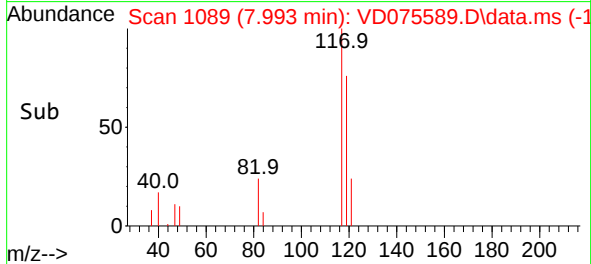
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02



Tgt Ion:117 Resp: 481
Ion Ratio Lower Upper
117 100
119 80.5 76.4 114.6

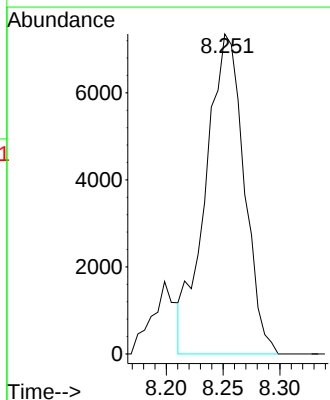
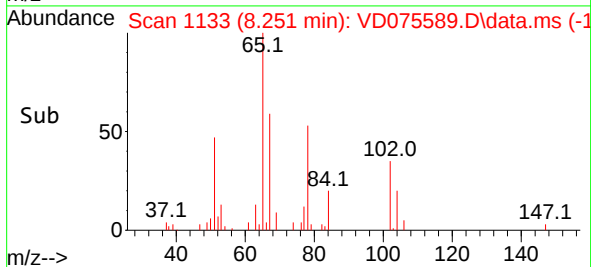
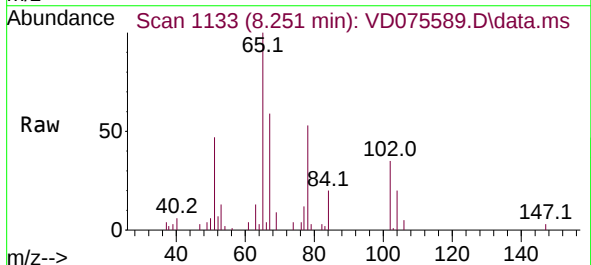
Manual Integrations
APPROVED

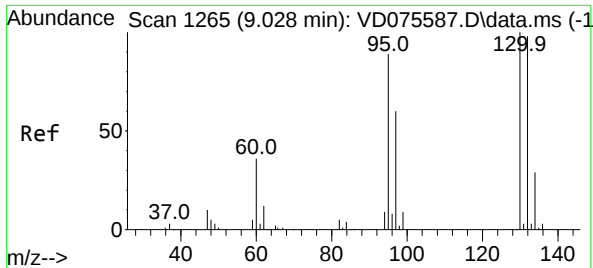
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Semsettin Yesilyurt 04/07/2023



#33
Benzene
Concen: 1.166 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

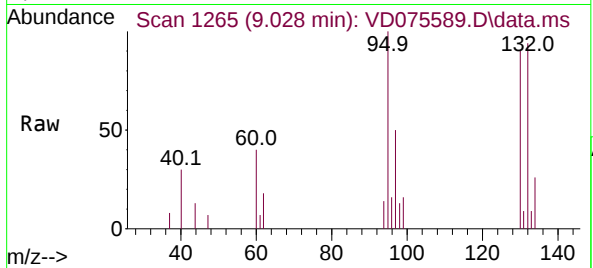
Tgt Ion: 78 Resp: 17347





#34
Trichloroethene
Concen: 1.106 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

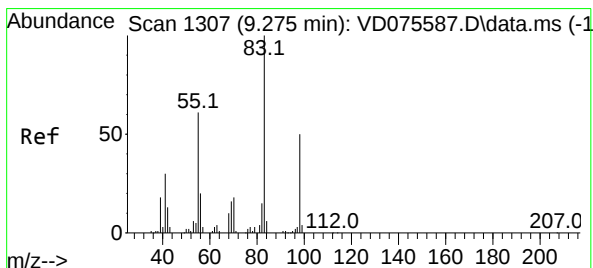
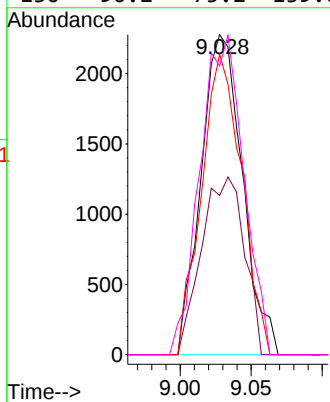
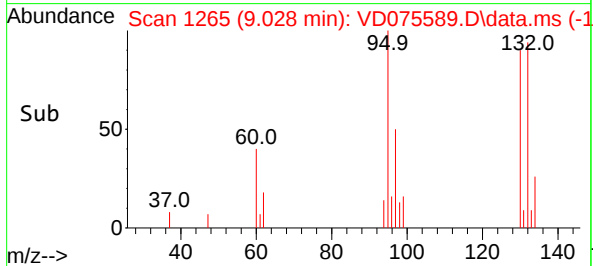
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02



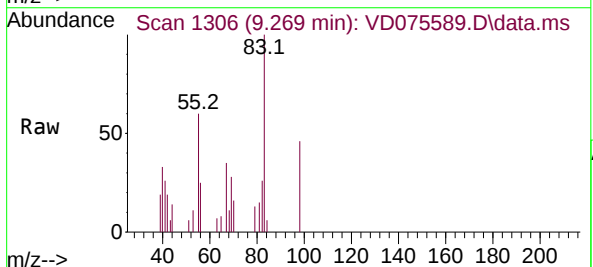
Tgt Ion: 95 Resp: 461
Ion Ratio Lower Upper
95 100
97 49.8 47.0 87.2
132 93.9 71.2 132.2
130 90.2 75.2 139.6

Manual Integrations
APPROVED

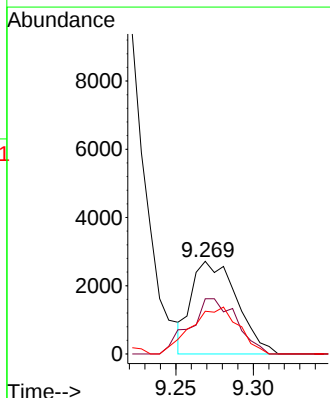
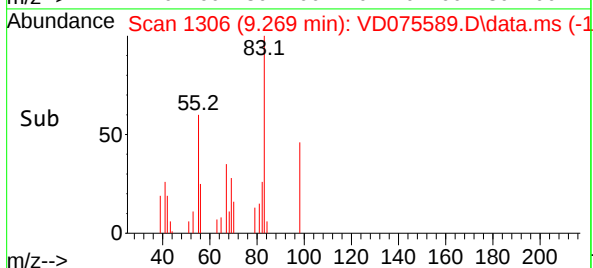
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Semsettin Yesilyurt 04/07/2023

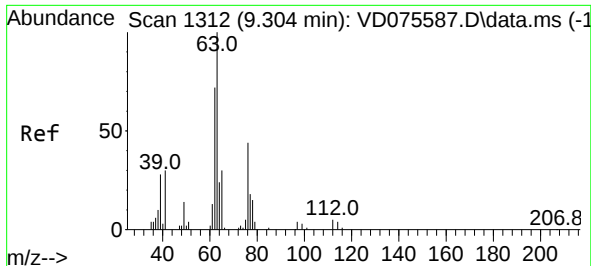


#35
Methylcyclohexane
Concen: 1.014 ug/L
RT: 9.269 min Scan# 1306
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56



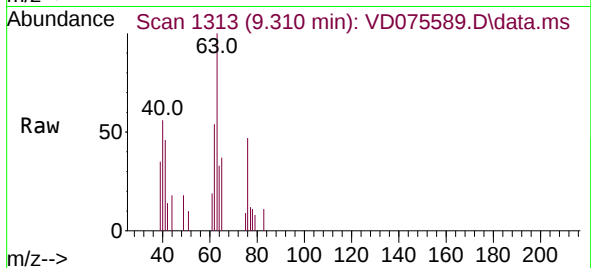
Tgt Ion: 83 Resp: 5525
Ion Ratio Lower Upper
83 100
55 50.8 46.9 70.3
98 52.9 40.8 61.2





#37
1,2-Dichloropropane
Concen: 1.181 ug/L
RT: 9.310 min Scan# 1113
Delta R.T. 0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

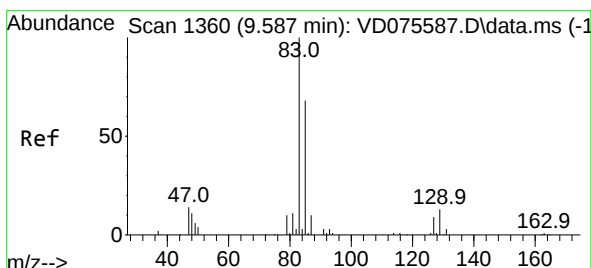
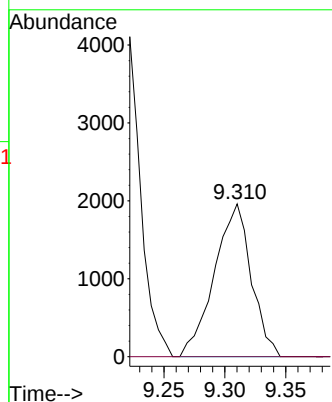
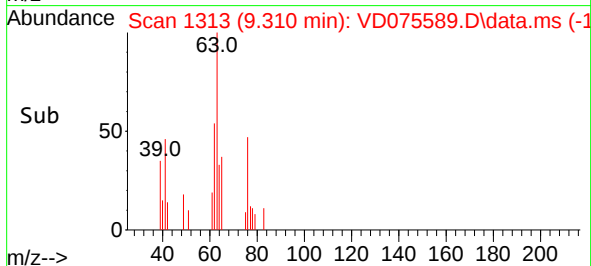
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02



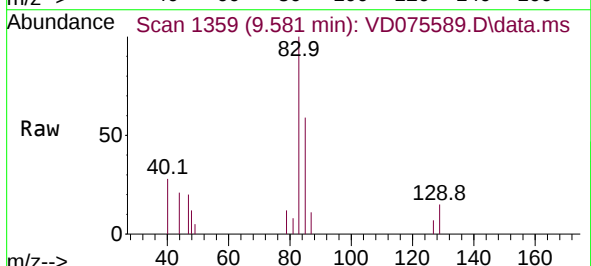
Tgt Ion: 63 Resp: 413
Ion Ratio Lower Upper
63 100
112 0.0 4.7 7.1

Manual Integrations
APPROVED

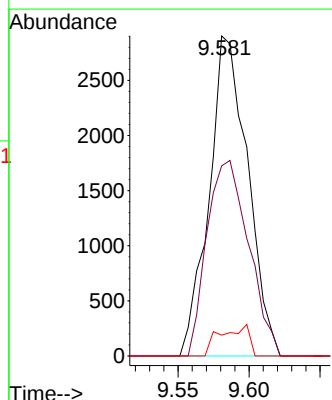
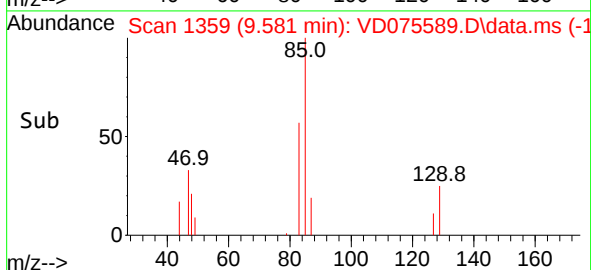
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Semsettin Yesilyurt 04/07/2023

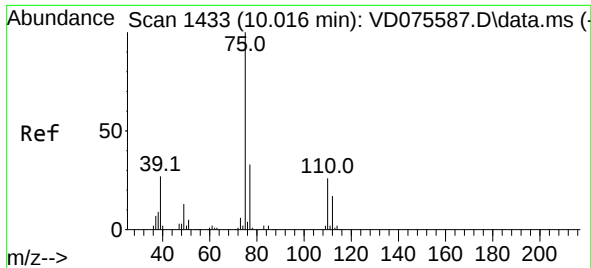


#38
Bromodichloromethane
Concen: 1.099 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56



Tgt Ion: 83 Resp: 5480
Ion Ratio Lower Upper
83 100
85 59.4 45.1 83.9
127 6.5 6.8 10.2





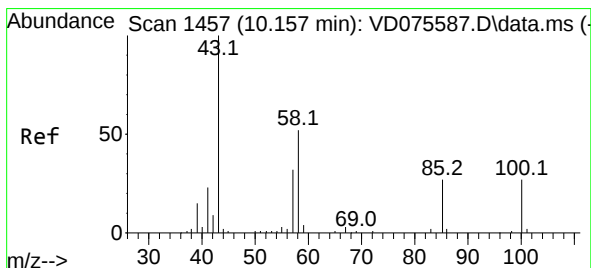
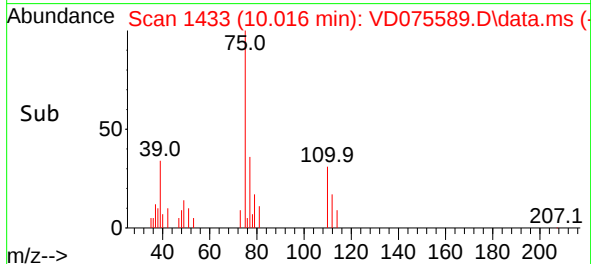
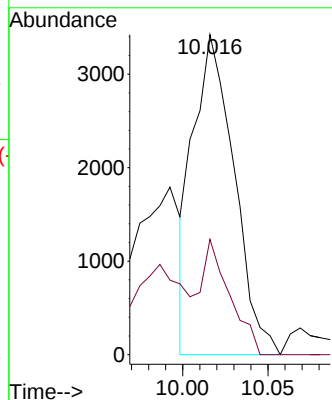
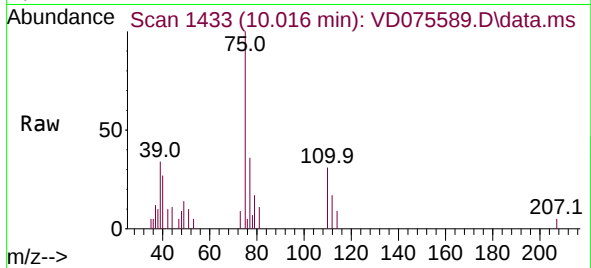
#39
cis-1,3-Dichloropropene
Concen: 1.031 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02

Tgt Ion: 75 Resp: 5720
Ion Ratio Lower Upper
75 100
77 36.1 22.5 41.7

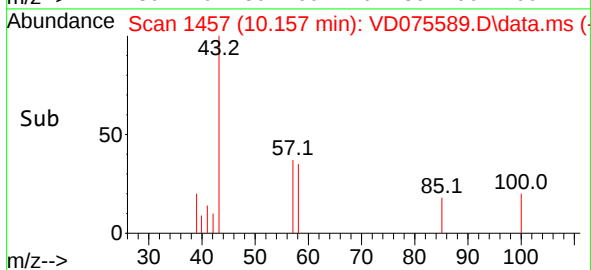
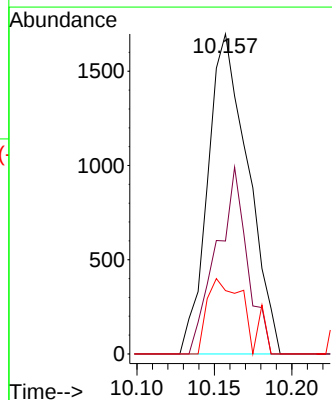
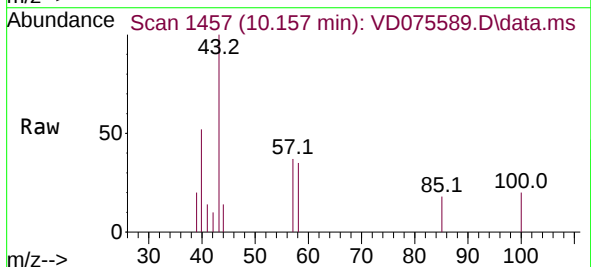
Manual Integrations
APPROVED

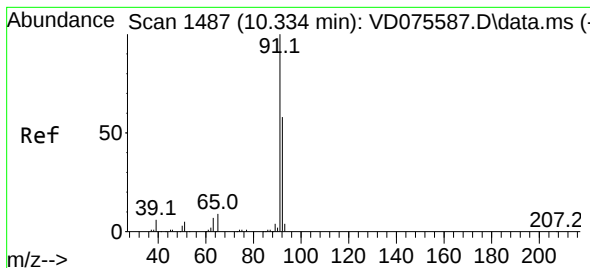
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Semsettin Yesilyurt 04/07/2023



#40
4-Methyl-2-pentanone
Concen: 2.338 ug/L
RT: 10.157 min Scan# 1457
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion: 43 Resp: 3067
Ion Ratio Lower Upper
43 100
58 44.6 39.4 59.0
100 3.9 20.3 30.5





#42

Toluene

Concen: 1.085 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD075589.D

Acq: 06 Apr 2023 11:56

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2023-02

Tgt Ion: 91 Resp: 17934

Ion Ratio Lower Upper

91 100

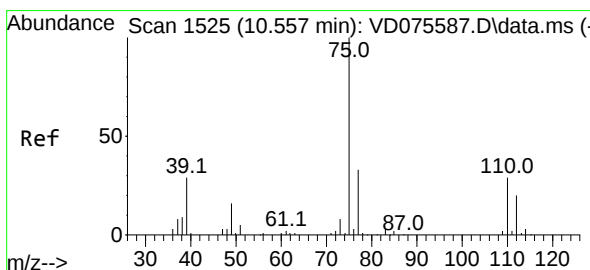
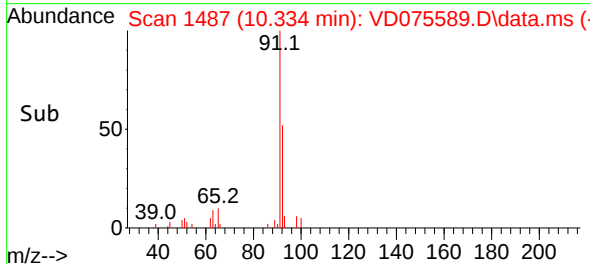
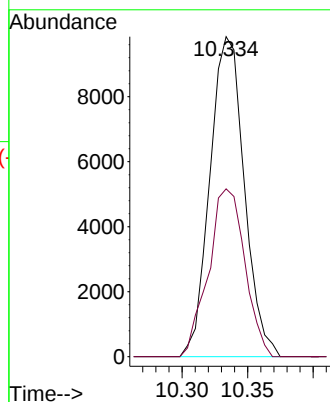
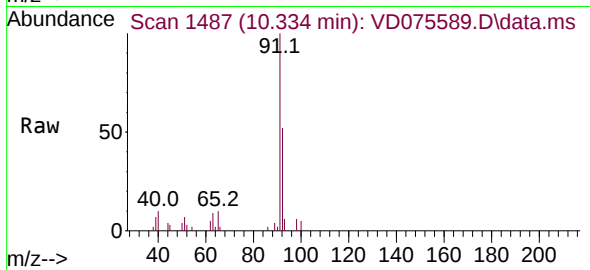
92 52.5 39.1 72.7

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Semsettin Yesilyurt 04/07/2023



#44

trans-1,3-Dichloropropene

Concen: 1.438 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. -0.006 min

Lab File: VD075589.D

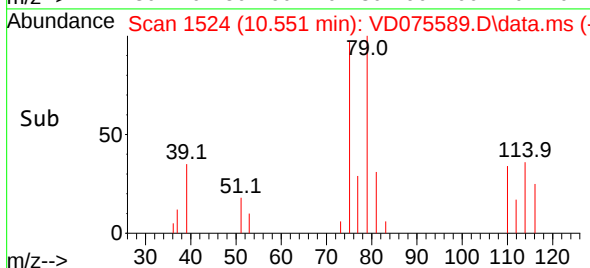
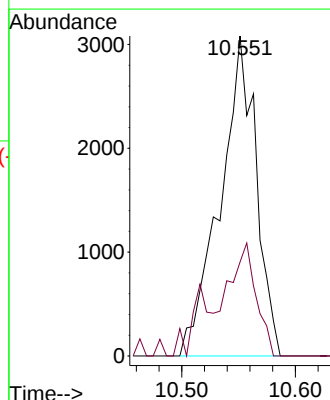
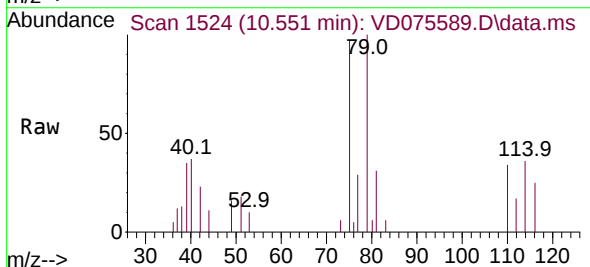
Acq: 06 Apr 2023 11:56

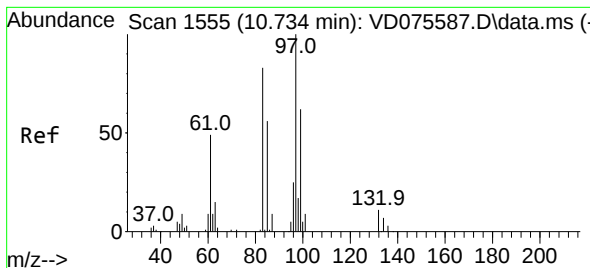
Tgt Ion: 75 Resp: 6783

Ion Ratio Lower Upper

75 100

77 29.4 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 1.103 ug/L

RT: 10.739 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VD075589.D

Acq: 06 Apr 2023 11:56

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2023-02

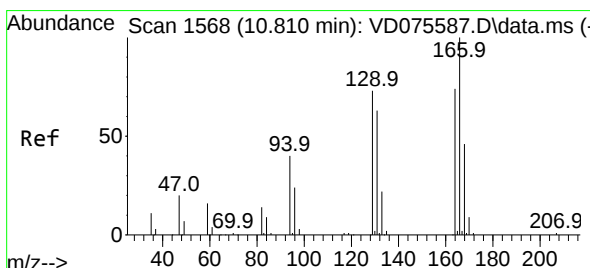
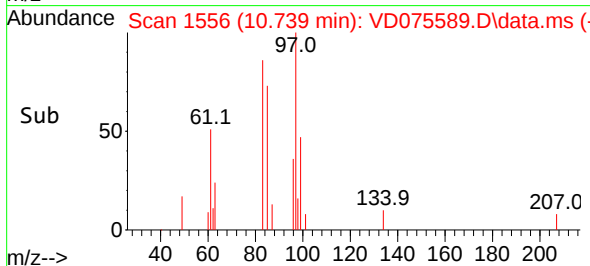
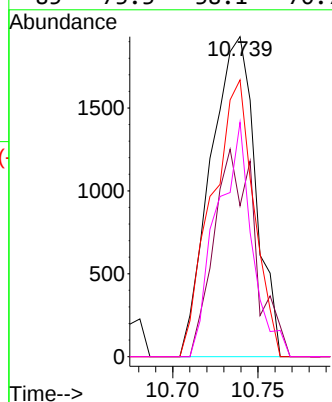
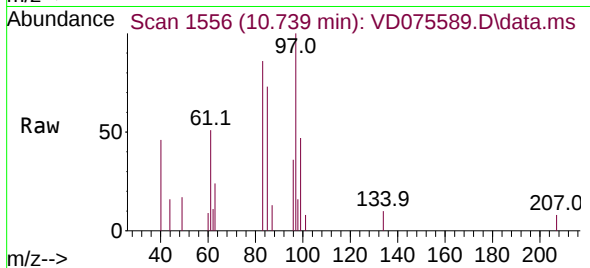
Tgt Ion: 97	Resp: 354
Ion Ratio	Lower Upper
97 100	
99 47.2	46.4 86.2
83 86.5	57.1 106.1
85 73.3	38.1 70.7#

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Semsettin Yesilyurt 04/07/2023



#46

Tetrachloroethene

Concen: 1.082 ug/L

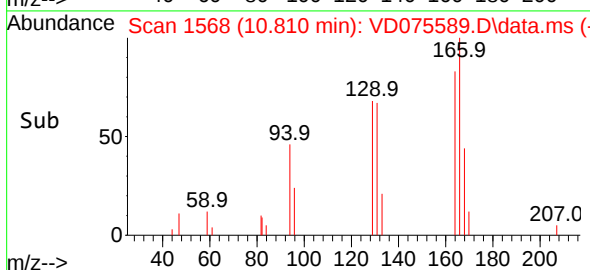
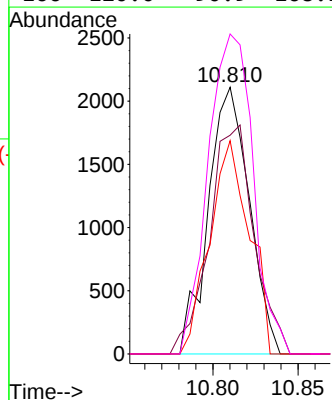
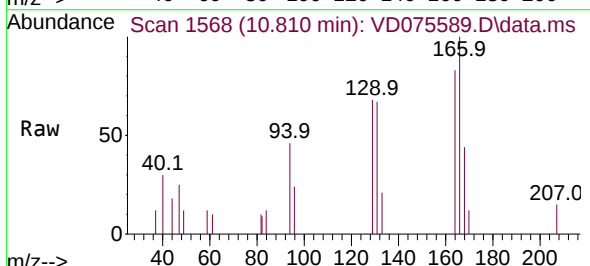
RT: 10.810 min Scan# 1568

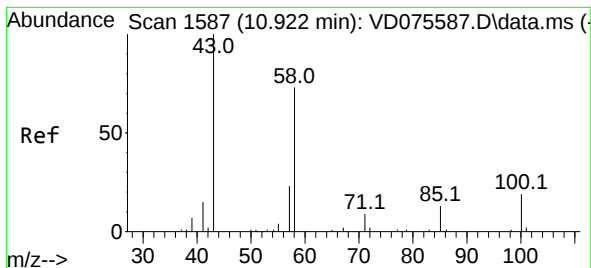
Delta R.T. 0.000 min

Lab File: VD075589.D

Acq: 06 Apr 2023 11:56

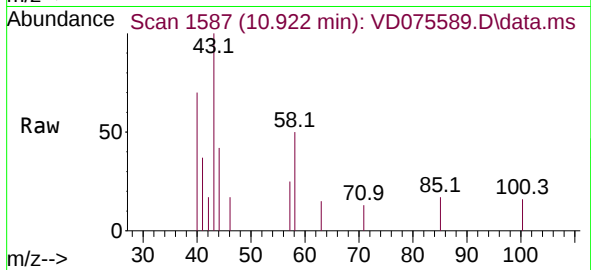
Tgt Ion:164	Resp: 3533
Ion Ratio	Lower Upper
164 100	
129 82.0	64.8 120.3
131 80.0	61.7 114.7
166 120.0	90.9 168.9





#48
2-Hexanone
Concen: 2.371 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

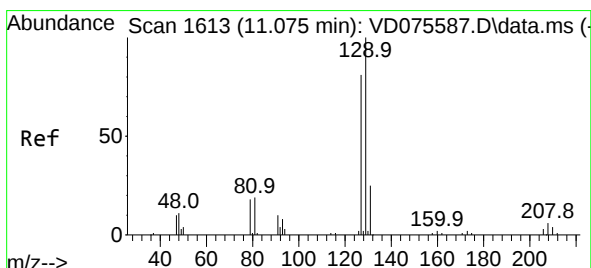
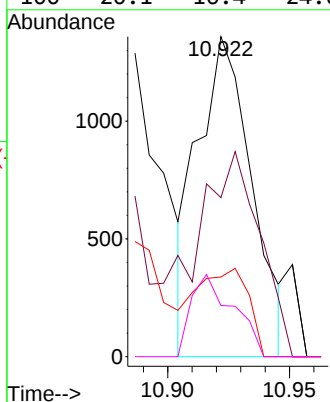
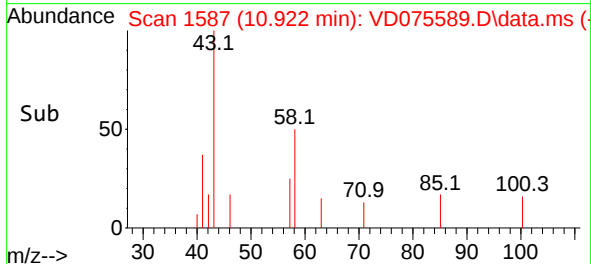
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT1-2023-02



Tgt Ion: 43 Resp: 2090
Ion Ratio Lower Upper
43 100
58 61.6 55.8 83.6
57 26.5 18.6 27.8
100 20.1 16.4 24.6

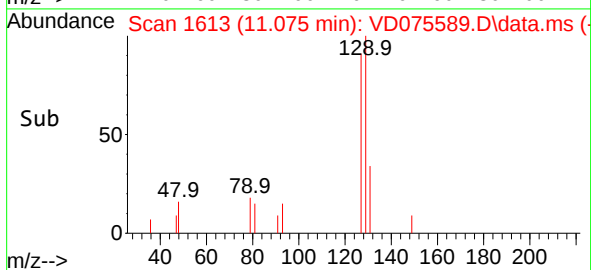
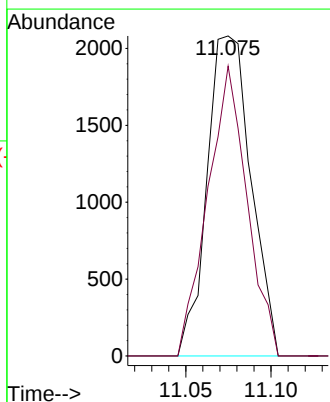
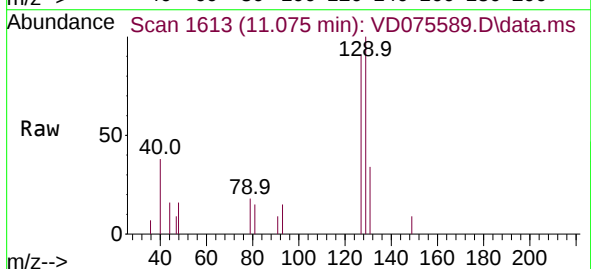
Manual Integrations
APPROVED

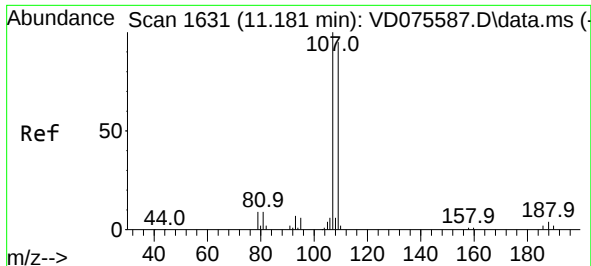
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Semsettin Yesilyurt 04/07/2023



#49
Dibromochloromethane
Concen: 1.077 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

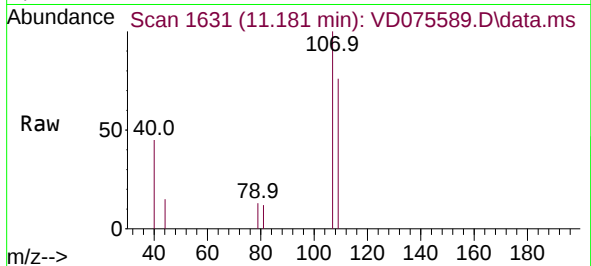
Tgt Ion:129 Resp: 3745
Ion Ratio Lower Upper
129 100
127 90.5 54.5 101.1





#50
1,2-Dibromoethane
Concen: 1.031 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

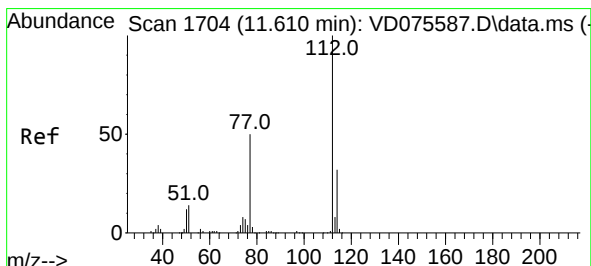
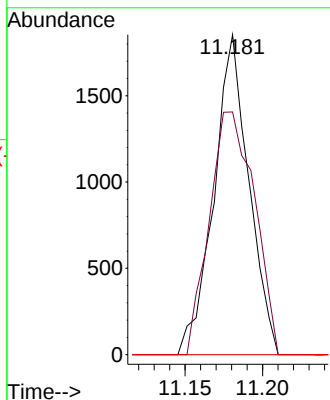
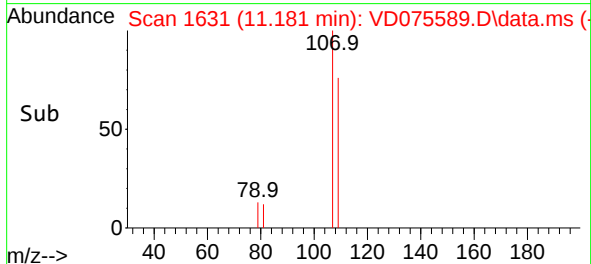
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02



Tgt Ion:107 Resp: 2902
Ion Ratio Lower Upper
107 100
109 75.8 64.8 120.3
188 0.0 3.4 5.0

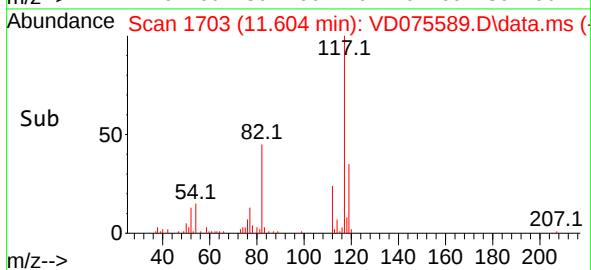
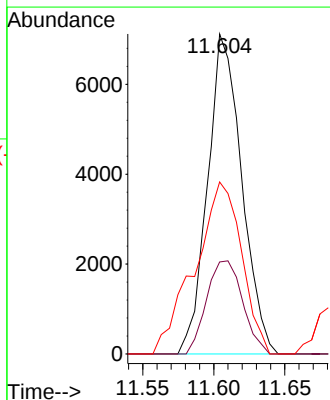
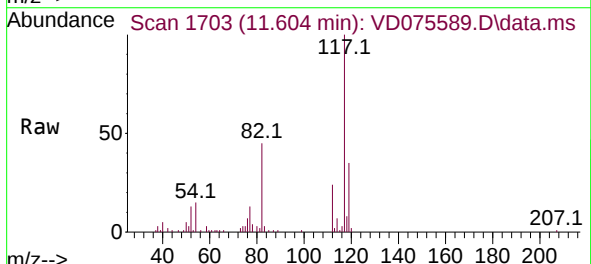
Manual Integrations
APPROVED

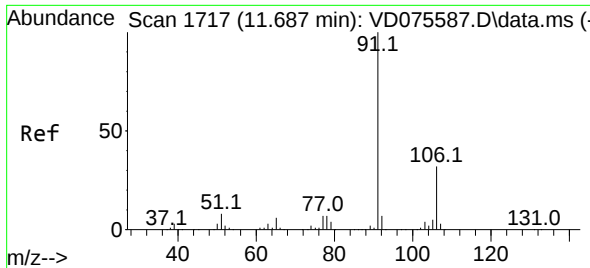
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Semsettin Yesilyurt 04/07/2023



#51
Chlorobenzene
Concen: 1.071 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion:112 Resp: 11922
Ion Ratio Lower Upper
112 100
114 28.8 21.1 39.1
77 53.7 37.8 56.6





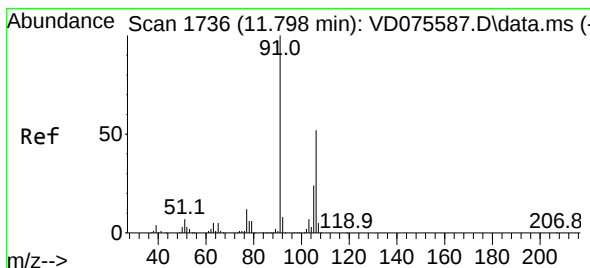
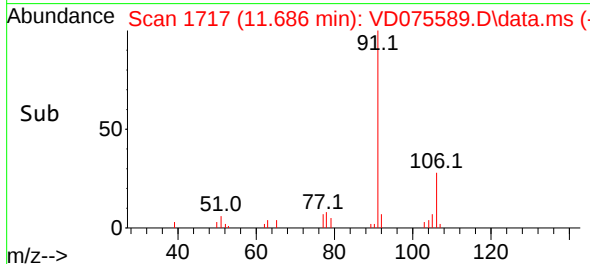
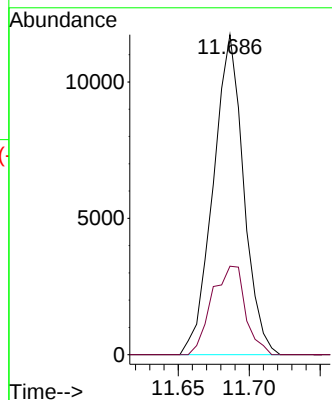
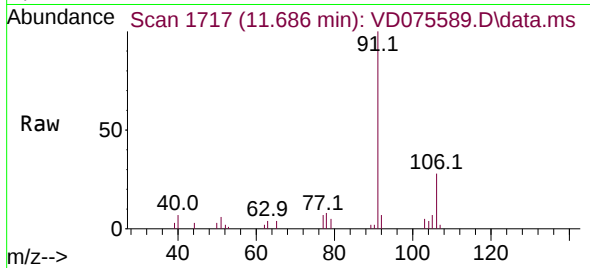
#52
Ethylbenzene
Concen: 1.008 ug/L
RT: 11.686 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02

Tgt Ion: 91 Resp: 17510
Ion Ratio Lower Upper
91 100
106 27.7 23.2 43.2

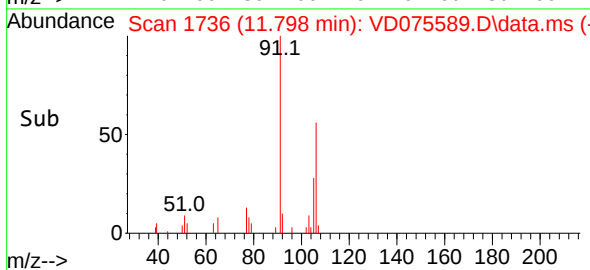
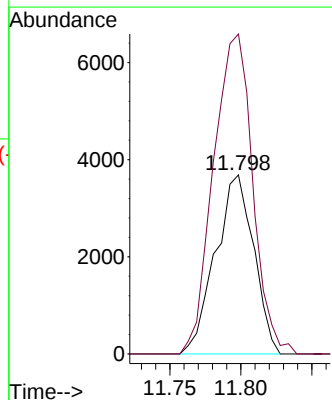
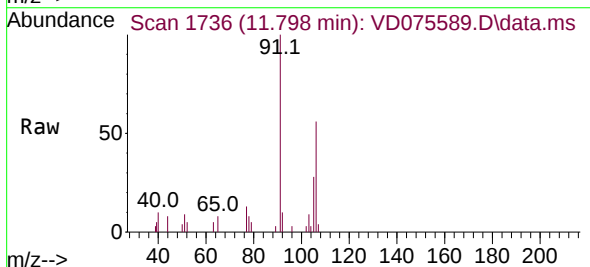
Manual Integrations
APPROVED

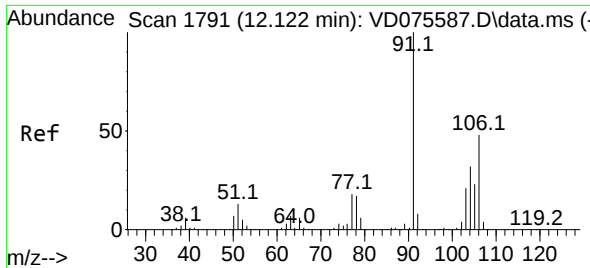
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Semsettin Yesilyurt 04/07/2023



#53
m,p-Xylene
Concen: 1.013 ug/L
RT: 11.798 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion:106 Resp: 6902
Ion Ratio Lower Upper
106 100
91 178.8 126.7 235.3





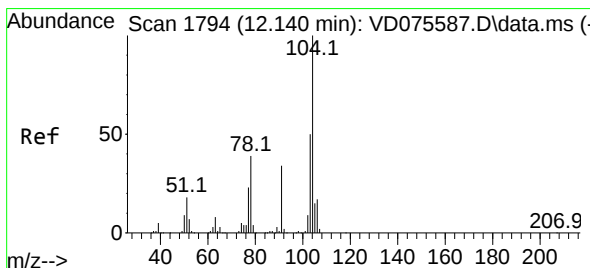
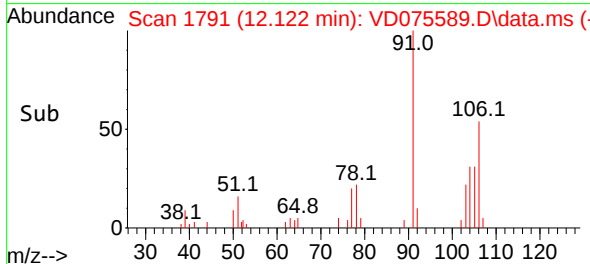
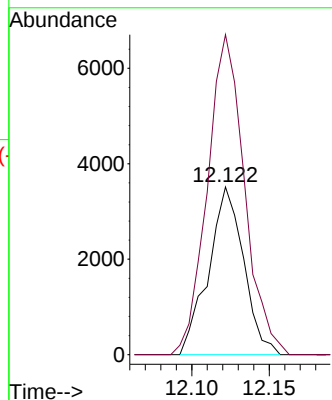
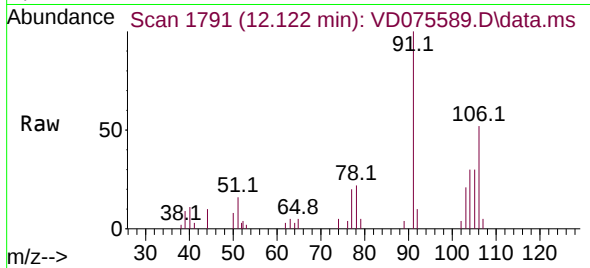
#54
o-Xylene
Concen: 0.855 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02

Tgt Ion:106 Resp: 5548
Ion Ratio Lower Upper
106 100
91 190.8 138.3 256.9

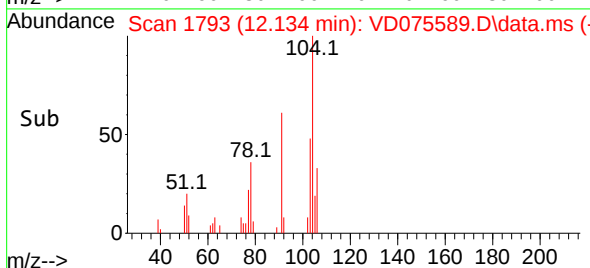
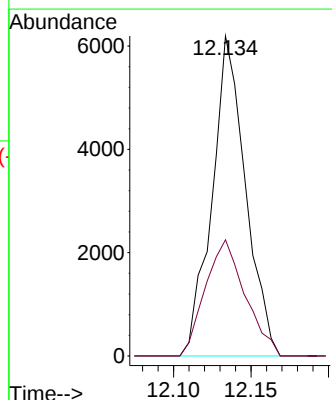
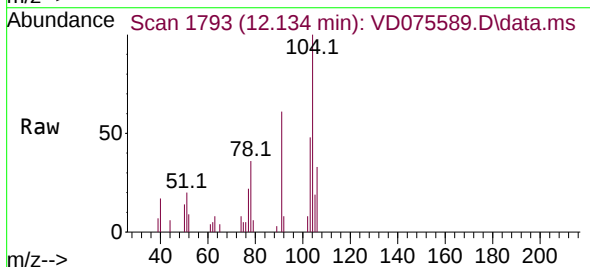
Manual Integrations
APPROVED

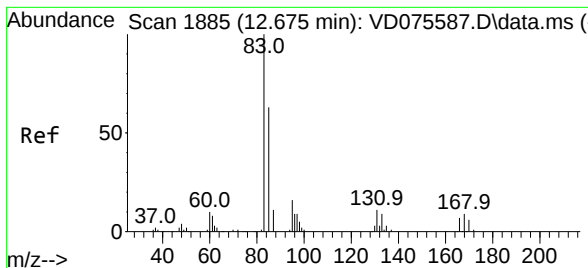
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Semsettin Yesilyurt 04/07/2023



#55
Styrene
Concen: 0.807 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion:104 Resp: 9329
Ion Ratio Lower Upper
104 100
78 36.3 25.8 47.8





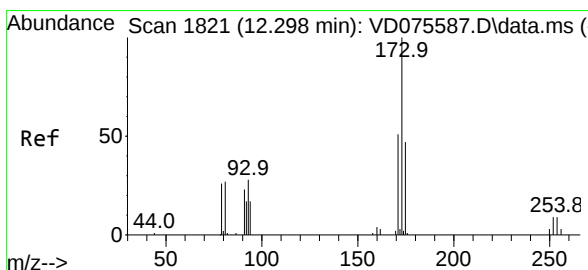
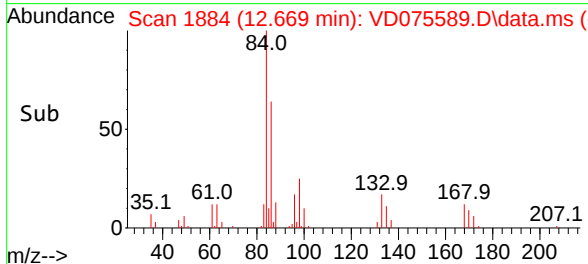
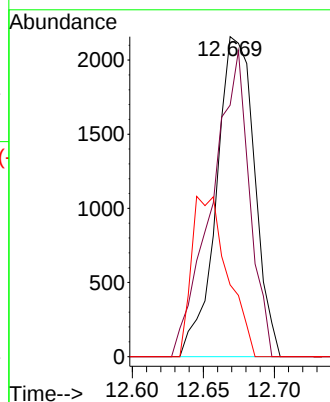
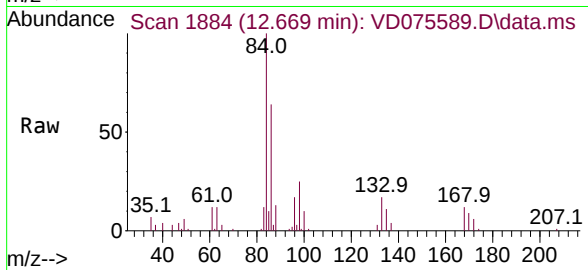
#57
1,1,2,2-Tetrachloroethane
Concen: 1.217 ug/L
RT: 12.669 min Scan# 1884
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT1-2023-02

Tgt Ion: 83	Resp: 403
Ion Ratio	Lower Upper
83 100	
85 78.6	48.7 90.5
131 22.4	9.3 13.9

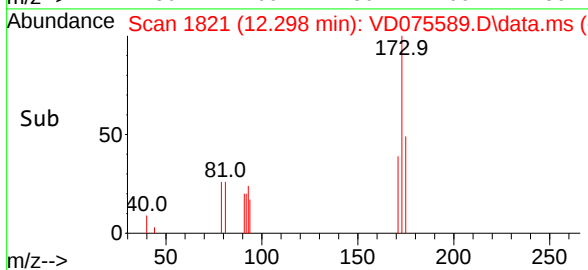
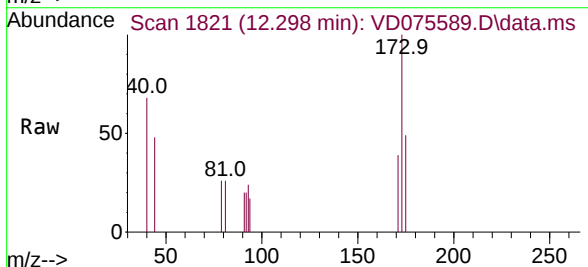
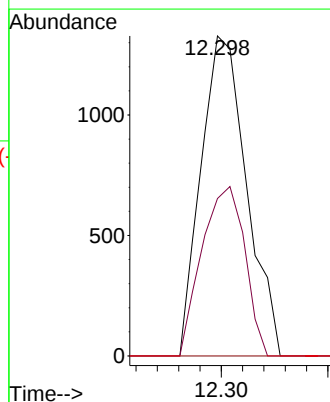
Manual Integrations
APPROVED

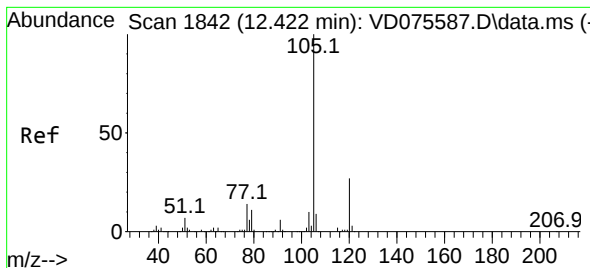
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Semsettin Yesilyurt 04/07/2023



#59
Bromoform
Concen: 1.040 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion:173	Resp: 1975
Ion Ratio	Lower Upper
173 100	
175 49.9	38.7 58.1
254 0.0	7.7 11.5





#60

Isopropylbenzene

Concen: 0.917 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD075589.D

Acq: 06 Apr 2023 11:56

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2023-02

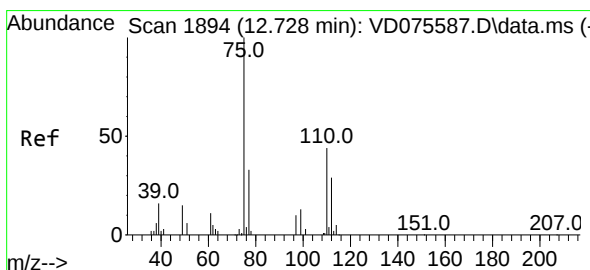
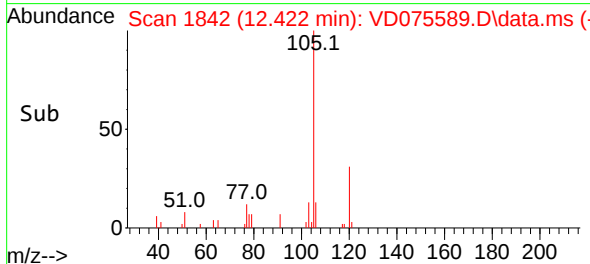
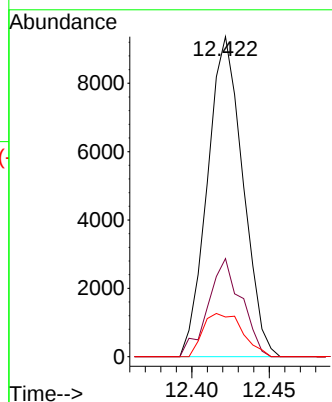
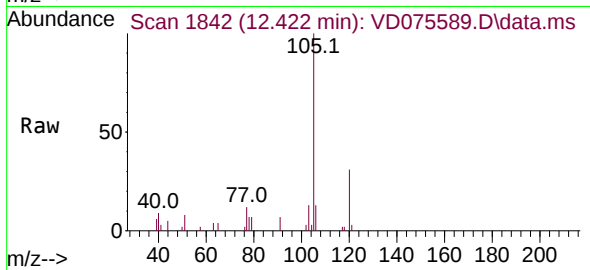
Tgt Ion:	105	Resp:	14878
Ion Ratio	Lower	Upper	
105	100		
120	28.9	22.5	33.7
77	15.1	10.7	16.1

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Semsettin Yesilyurt 04/07/2023



#61

1,2,3-Trichloropropane

Concen: 1.350 ug/L

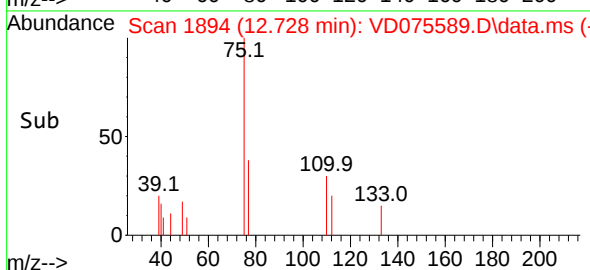
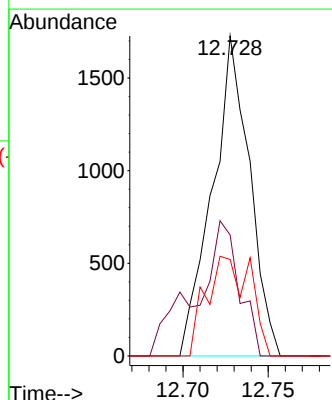
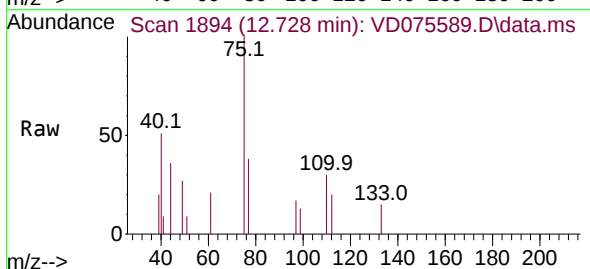
RT: 12.728 min Scan# 1894

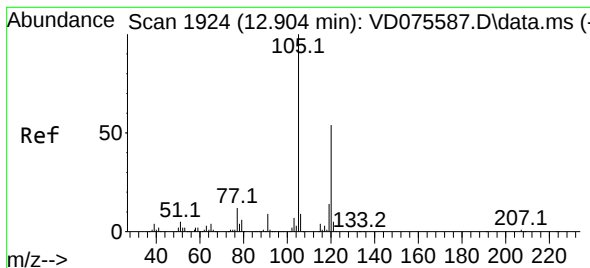
Delta R.T. 0.000 min

Lab File: VD075589.D

Acq: 06 Apr 2023 11:56

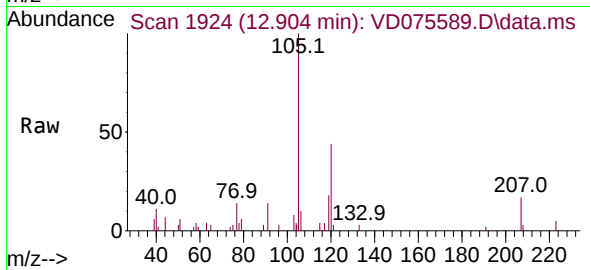
Tgt Ion:	75	Resp:	2624
Ion Ratio	Lower	Upper	
75	100		
77	35.5	25.7	38.5
110	27.2	35.9	53.9#





#62
1,3,5-Trimethylbenzene
Concen: 0.897 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

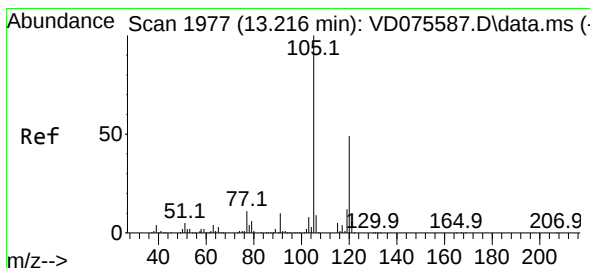
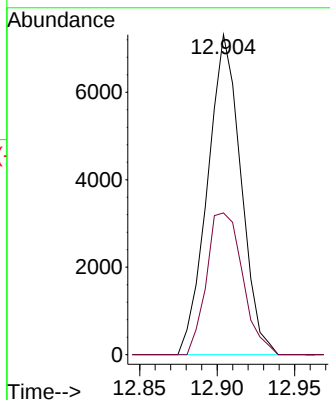
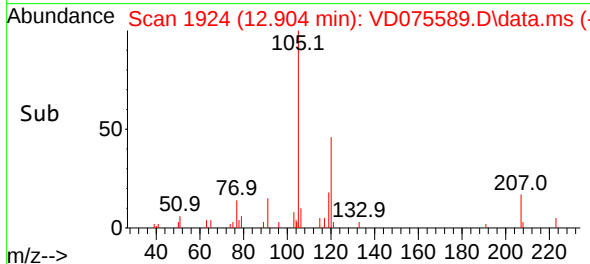
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT1-2023-02



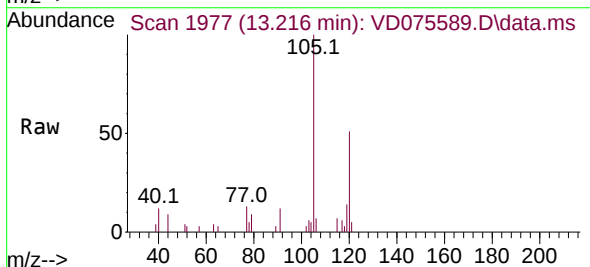
Tgt Ion:105 Resp: 1097
Ion Ratio Lower Upper
105 100
120 47.8 41.1 61.7

Manual Integrations
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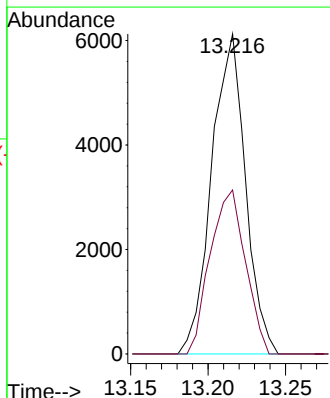
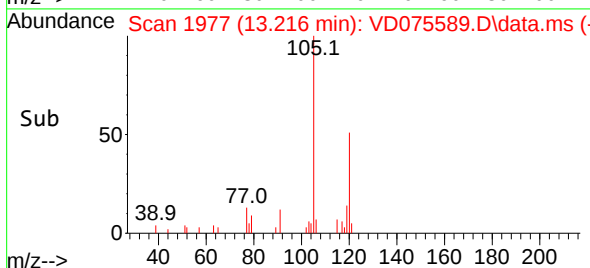
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Semsettin Yesilyurt 04/07/2023

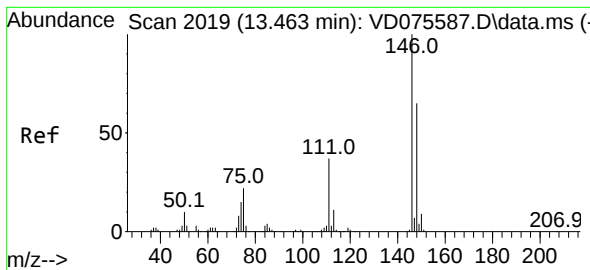


#63
1,2,4-Trimethylbenzene
Concen: 0.792 ug/L
RT: 13.216 min Scan# 1977
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56



Tgt Ion:105 Resp: 9271
Ion Ratio Lower Upper
105 100
120 53.4 39.0 58.4





#64

1,3-Dichlorobenzene

Concen: 1.182 ug/L

RT: 13.457 min Scan# 2019

Delta R.T. -0.006 min

Lab File: VD075589.D

Acq: 06 Apr 2023 11:56

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2023-02

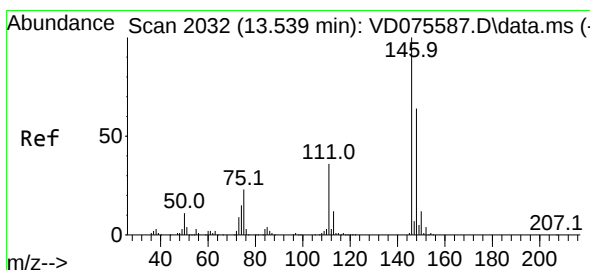
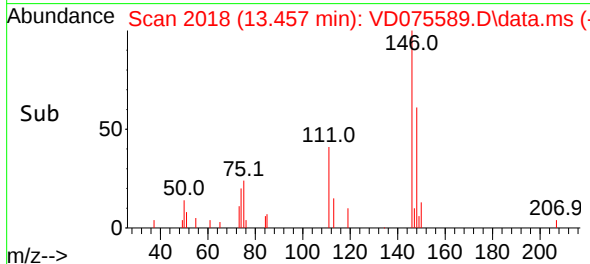
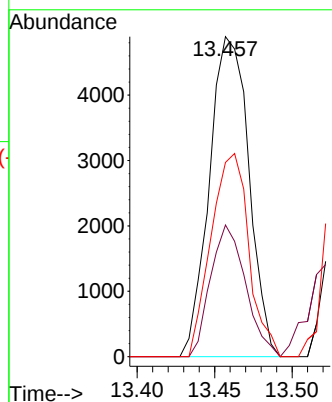
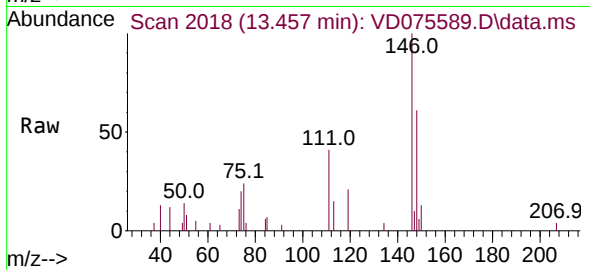
Tgt Ion:	146	Resp:	8679
Ion Ratio	Lower	Upper	
146	100		
111	41.1	26.2	48.8
148	60.7	44.6	82.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Semsettin Yesilyurt 04/07/2023



#65

1,4-Dichlorobenzene

Concen: 1.174 ug/L

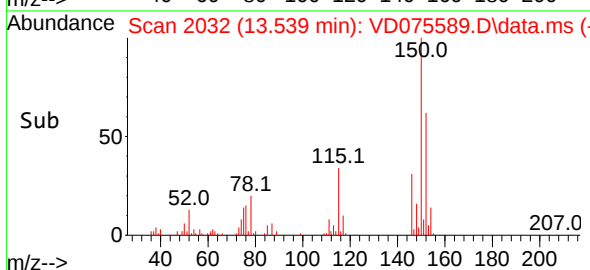
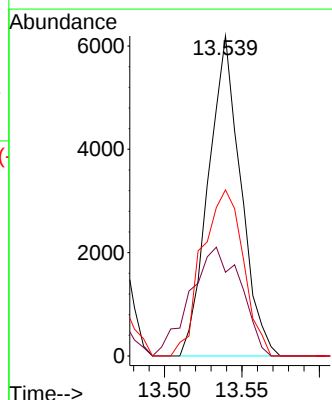
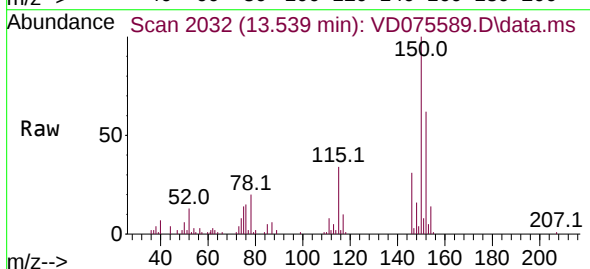
RT: 13.539 min Scan# 2032

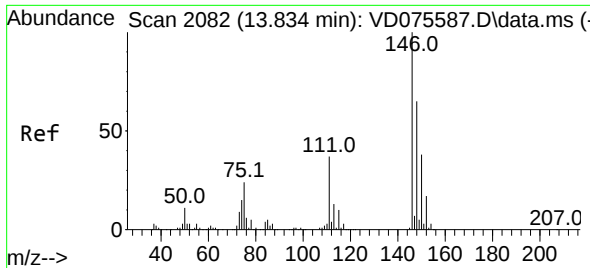
Delta R.T. 0.000 min

Lab File: VD075589.D

Acq: 06 Apr 2023 11:56

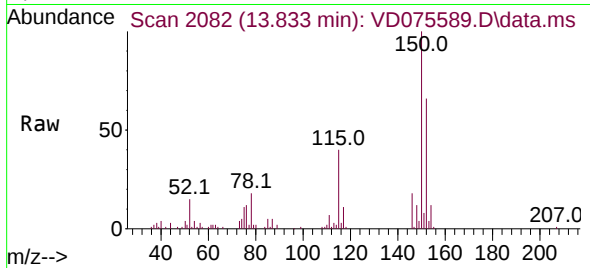
Tgt Ion:	146	Resp:	8995
Ion Ratio	Lower	Upper	
146	100		
111	26.1	26.0	48.4
148	51.9	44.3	82.3





#67
1,2-Dichlorobenzene
Concen: 1.279 ug/L
RT: 13.833 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

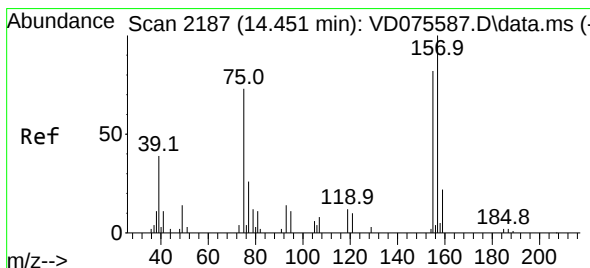
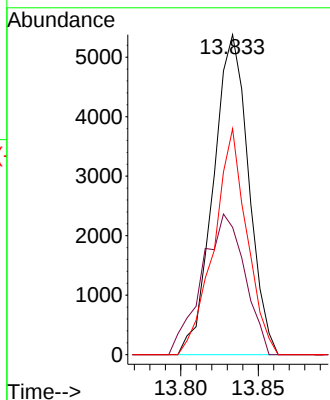
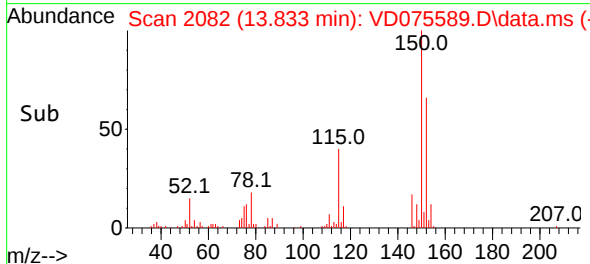
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02



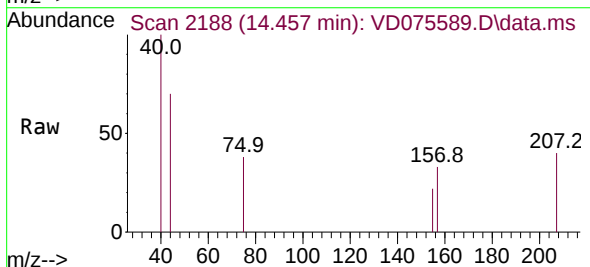
Tgt Ion:146 Resp: 8504
Ion Ratio Lower Upper
146 100
111 39.8 31.3 46.9
148 70.6 52.8 79.2

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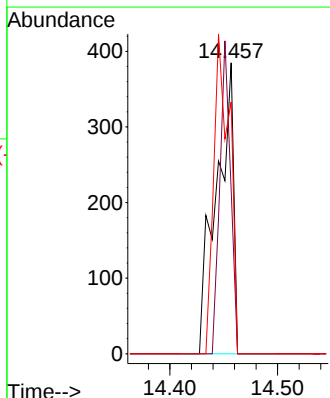
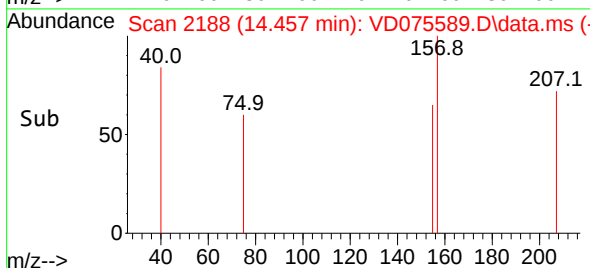
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Semsettin Yesilyurt 04/07/2023

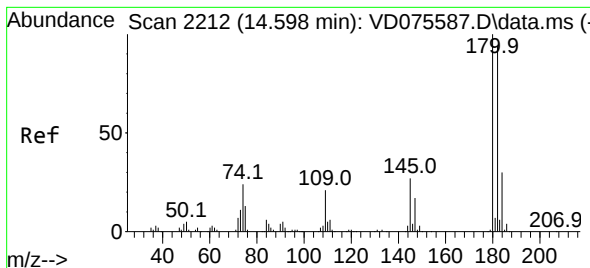


#68
1,2-Dibromo-3-chloropropane
Concen: 1.083 ug/L m
RT: 14.457 min Scan# 2188
Delta R.T. 0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56



Tgt Ion: 75 Resp: 424
Ion Ratio Lower Upper
75 100
155 56.4 70.6 106.0#
157 86.5 111.3 166.9#





#69

1,3,5-Trichlorobenzene

Concen: 1.016 ug/L

RT: 14.592 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD075589.D

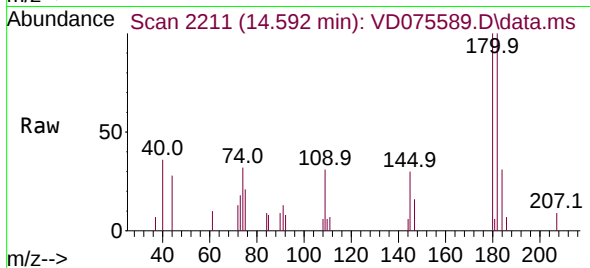
Acq: 06 Apr 2023 11:56

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2023-02



Tgt Ion:180 Resp: 460

Ion Ratio Lower Upper

180 100

182 92.4 76.9 115.3

184 29.2 24.6 36.8

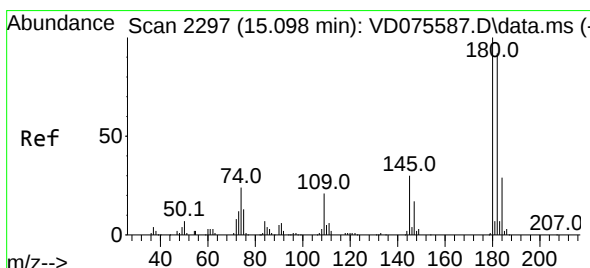
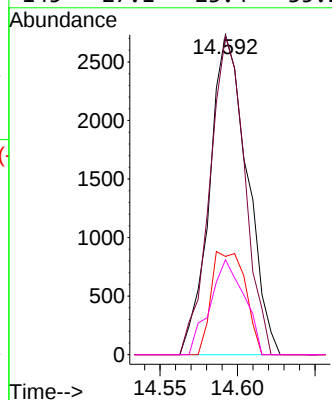
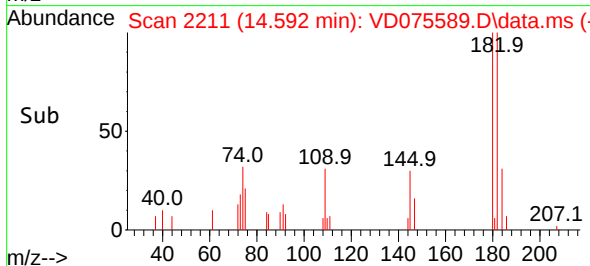
145 27.1 23.4 35.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Semsettin Yesilyurt 04/07/2023



#70

1,2,4-trichlorobenzene

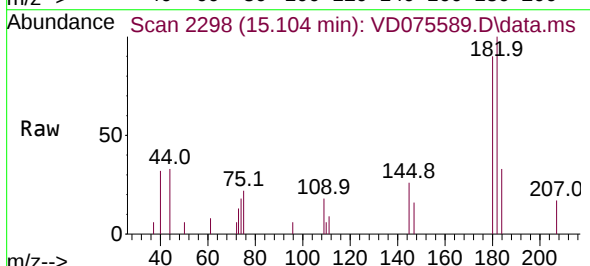
Concen: 1.218 ug/L

RT: 15.104 min Scan# 2298

Delta R.T. 0.000 min

Lab File: VD075589.D

Acq: 06 Apr 2023 11:56



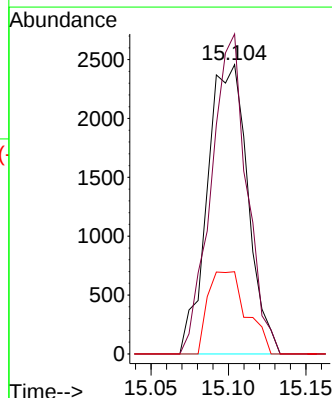
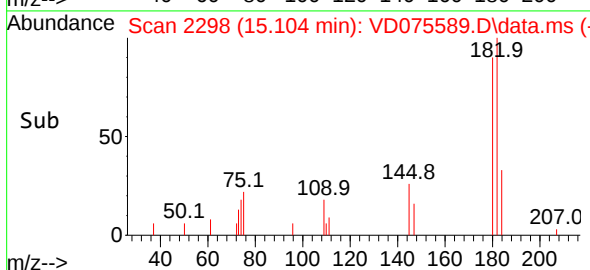
Tgt Ion:180 Resp: 4466

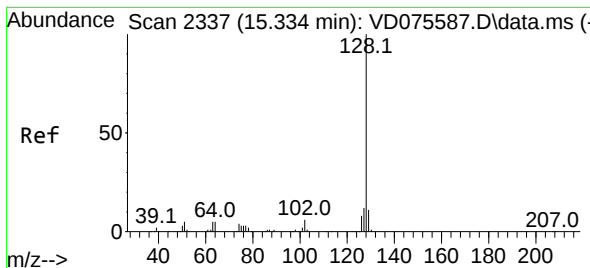
Ion Ratio Lower Upper

180 100

182 97.4 74.2 111.2

145 25.2 22.9 34.3





#71

Naphthalene

Concen: 1.652 ug/L

RT: 15.333 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VD075589.D

Acq: 06 Apr 2023 11:56

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2023-02

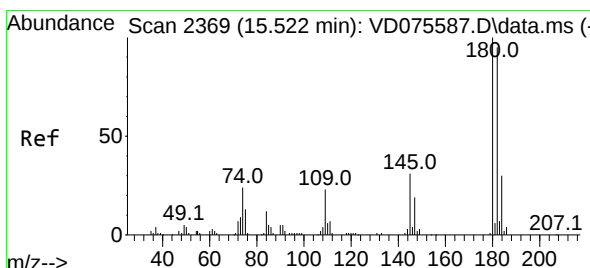
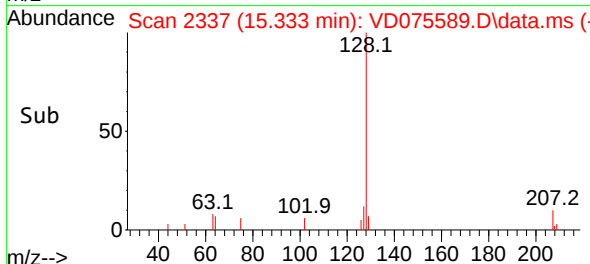
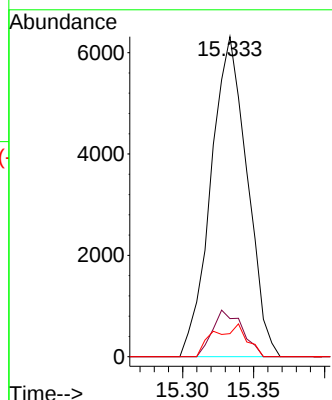
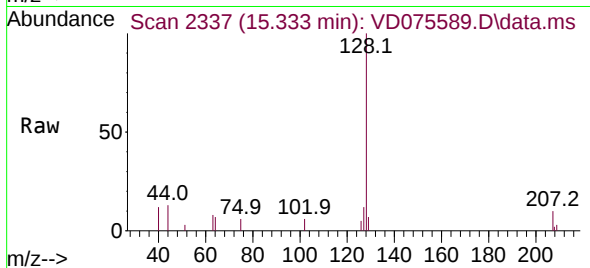
Tgt Ion:	128	Resp:	1119
Ion Ratio	Lower	Upper	
128	100		
127	11.9	10.3	15.5
129	5.2	8.5	12.7

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Semsettin Yesilyurt 04/07/2023



#72

1,2,3-Trichlorobenzene

Concen: 1.669 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. 0.000 min

Lab File: VD075589.D

Acq: 06 Apr 2023 11:56

Tgt Ion:	180	Resp:	5482
Ion Ratio	Lower	Upper	
180	100		
182	90.2	75.4	113.0
145	21.7	25.2	37.8

