

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042623\
 Data File : VD075830.D
 Acq On : 26 Apr 2023 12:50
 Operator : KP/SY
 Sample : 02215-04
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT2-2023-04

Quant Time: Apr 27 01:39:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Apr 27 01:23:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/27/2023
 Supervised By :Semsettin Yesilyurt 05/01/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	366846	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	332365	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	140097	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	205287	25.509	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 102.040%			
7) Chloroethane-d5	2.805	69	174571	25.106	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 100.440%			
11) 1,1-Dichloroethene-d2	3.922	65	47866	25.799	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 103.200%			
21) 2-Butanone-d5	6.981	46	36403	52.106	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 104.220%			
24) Chloroform-d	7.569	84	230758	25.155	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 100.600%			
26) 1,2-Dichloroethane-d4	8.234	65	101659	25.950	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.800%			
32) Benzene-d6	8.204	84	497739	25.694	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 102.760%			
36) 1,2-Dichloropropane-d6	9.210	67	139816	26.076	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 104.320%			
41) Toluene-d8	10.269	98	462904	25.524	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 102.080%			
43) trans-1,3-Dichloroprop...	10.528	79	54380	24.537	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 98.160%			
47) 2-Hexanone-d5	10.881	63	31624	48.983	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 97.960%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	102788	25.052	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 100.200%			
66) 1,2-Dichlorobenzene-d4	13.816	152	135590	27.362	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 109.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	5087	1.006	ug/L	99
3) Chloromethane	2.146	50	7823	1.110	ug/L	92
5) Vinyl chloride	2.287	62	9980	1.083	ug/L #	68
6) Bromomethane	2.705	94	6775	1.094	ug/L	89
8) Chloroethane	2.840	64	6566	1.102	ug/L	98
9) Trichlorofluoromethane	3.175	101	7995	1.080	ug/L #	68
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	7166m	1.441	ug/L	
12) 1,1-Dichloroethene	3.940	96	6558	1.360	ug/L #	1
13) Acetone	4.022	43	1516m	2.536	ug/L	
14) Carbon disulfide	4.281	76	17988	1.068	ug/L	98
15) Methyl Acetate	4.569	43	1130m	0.872	ug/L	
16) Methylene chloride	4.805	84	23679	3.182	ug/L	97
17) trans-1,2-Dichloroethene	5.310	96	5344m	0.988	ug/L	
18) Methyl tert-butyl Ether	5.316	73	7850m	0.905	ug/L	
19) 1,1-Dichloroethane	6.128	63	8986m	1.134	ug/L	
20) cis-1,2-Dichloroethene	7.081	96	5755m	1.006	ug/L	
22) 2-Butanone	7.075	43	1828m	2.345	ug/L	
23) Bromochloromethane	7.428	128	3141	1.184	ug/L #	80
25) Chloroform	7.599	83	11369	1.280	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	5471	1.194	ug/L #	93
29) Cyclohexane	7.881	56	5550	0.975	ug/L #	80
30) 1,1,1-Trichloroethane	7.798	97	7348	1.045	ug/L	97
31) Carbon tetrachloride	7.993	117	5528m	0.980	ug/L	
33) Benzene	8.251	78	21949	1.092	ug/L	100
34) Trichloroethene	9.028	95	5584	1.074	ug/L	97
35) Methylcyclohexane	9.275	83	7517	0.938	ug/L	88
37) 1,2-Dichloropropane	9.304	63	5335	1.155	ug/L #	85
38) Bromodichloromethane	9.581	83	6563	1.054	ug/L	91
39) cis-1,3-Dichloropropene	10.016	75	7901	1.076	ug/L #	80
40) 4-Methyl-2-pentanone	10.163	43	2869	1.704	ug/L #	80
42) Toluene	10.340	91	23334	1.073	ug/L	100
44) trans-1,3-Dichloropropene	10.551	75	5598m	0.949	ug/L	
45) 1,1,2-Trichloroethane	10.734	97	3981	1.013	ug/L	97
46) Tetrachloroethene	10.810	164	5139	1.205	ug/L	86
48) 2-Hexanone	10.922	43	2623	2.210	ug/L #	83
49) Dibromochloromethane	11.081	129	4614	1.079	ug/L	76
50) 1,2-Dibromoethane	11.187	107	3672	1.037	ug/L #	88
51) Chlorobenzene	11.610	112	15621	1.098	ug/L	92
52) Ethylbenzene	11.687	91	20725	0.929	ug/L	97
53) m,p-Xylene	11.798	106	8063	0.908	ug/L	99
54) o-Xylene	12.122	106	6948	0.823	ug/L	87
55) Styrene	12.139	104	12656	0.862	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.675	83	4549	1.138	ug/L #	91
59) Bromoform	12.304	173	2387	1.112	ug/L	95
60) Isopropylbenzene	12.422	105	16833	0.906	ug/L #	95
61) 1,2,3-Trichloropropane	12.728	75	2712	1.232	ug/L	95
62) 1,3,5-Trimethylbenzene	12.904	105	12912	0.932	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	12504	0.936	ug/L	92
64) 1,3-Dichlorobenzene	13.457	146	9950	1.119	ug/L	92
65) 1,4-Dichlorobenzene	13.539	146	10940	1.173	ug/L	98
67) 1,2-Dichlorobenzene	13.833	146	9523	1.200	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.451	75	393m	0.893	ug/L	
69) 1,3,5-Trichlorobenzene	14.592	180	5999	1.007	ug/L	93
70) 1,2,4-trichlorobenzene	15.104	180	4872	0.987	ug/L	94
71) Naphthalene	15.333	128	8532	0.944	ug/L	98
72) 1,2,3-Trichlorobenzene	15.522	180	4158	0.944	ug/L	98

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

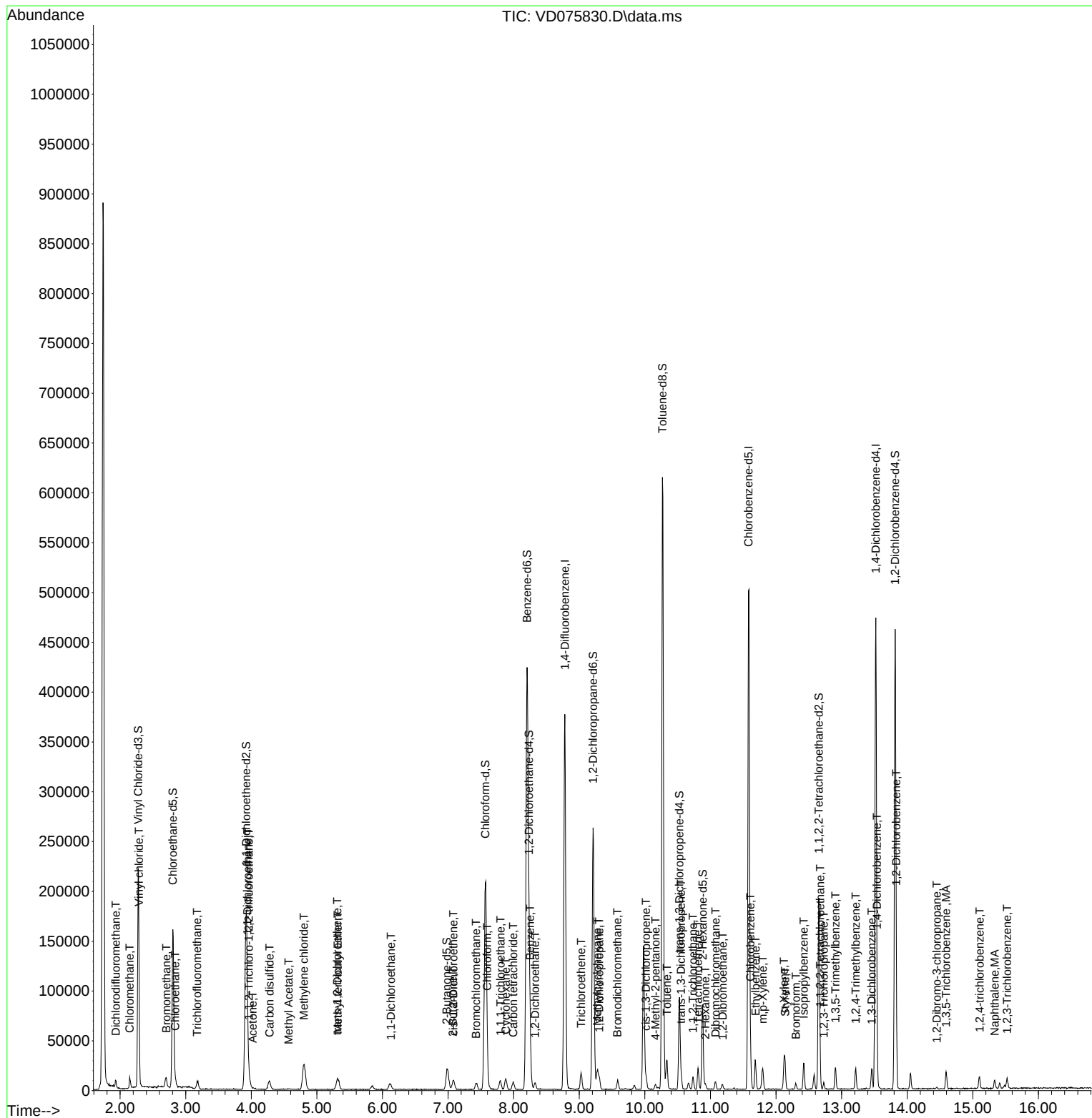
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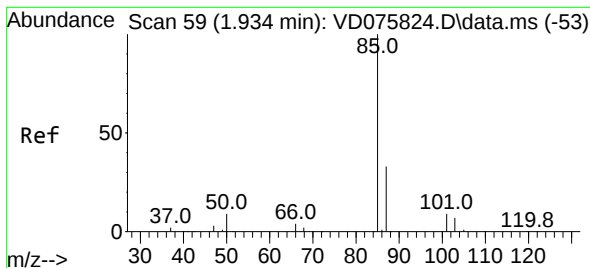
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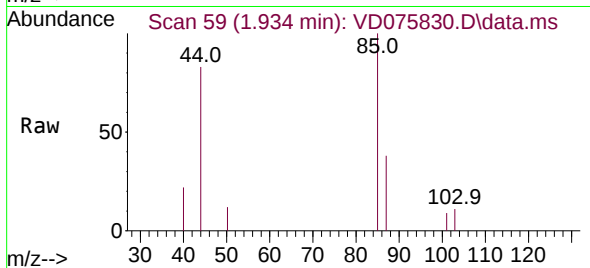
Reviewed By :Krupa Patel 04/27/2023
 Supervised By :Semsettin Yesilyurt 05/01/2023





#2
 Dichlorodifluoromethane
 Concen: 1.006 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: VD075830.D
 Acq: 26 Apr 2023 12:50

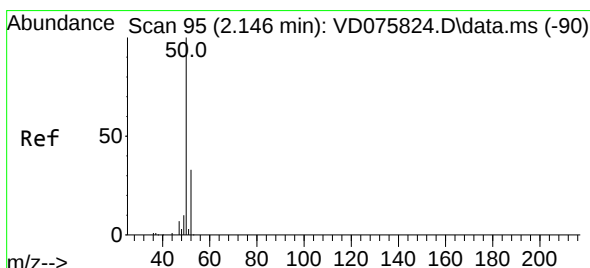
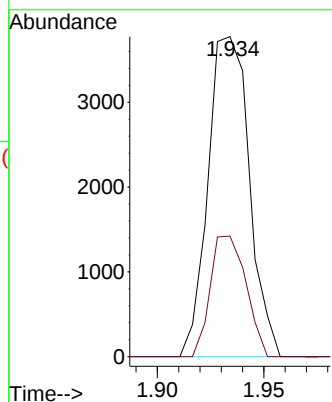
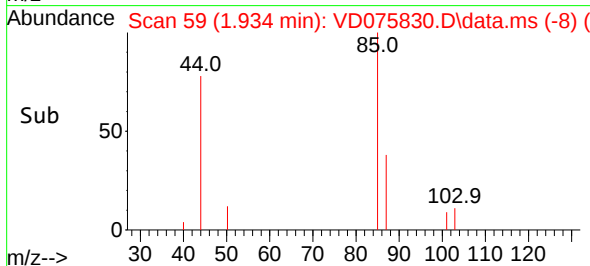
Instrument :
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 ClientSampleId :
 MDL-SOIL-QT2-2023-04



Tgt Ion: 85 Resp: 508
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.8 38.8

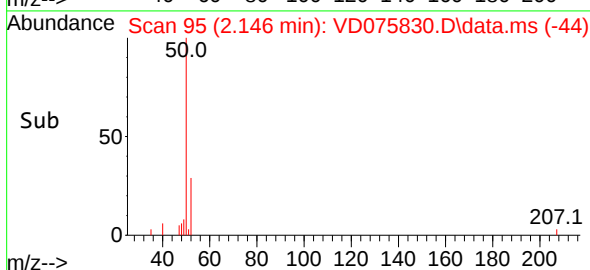
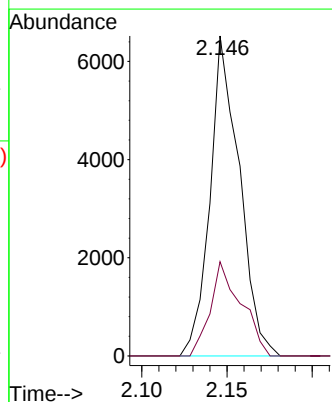
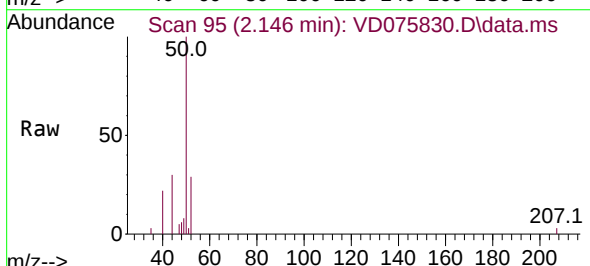
Manual Integrations
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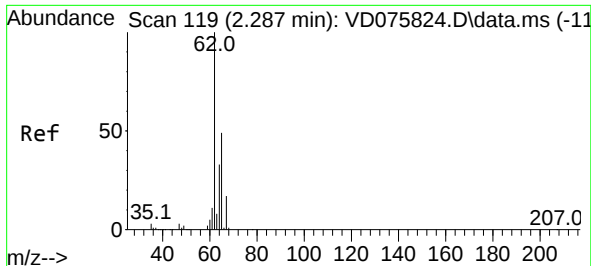
Reviewed By :Krupa Patel 04/27/2023
 Supervised By :Semsettin Yesilyurt 05/01/2023



#3
 Chloromethane
 Concen: 1.110 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. -0.000 min
 Lab File: VD075830.D
 Acq: 26 Apr 2023 12:50

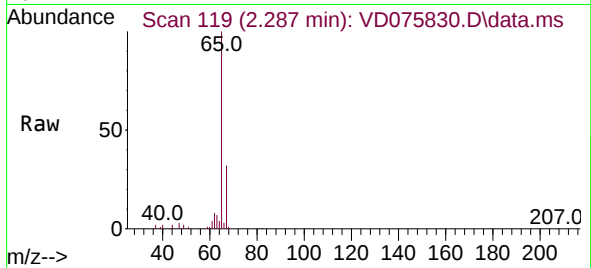
Tgt Ion: 50 Resp: 7823
 Ion Ratio Lower Upper
 50 100
 52 29.5 23.7 44.1





#5
Vinyl chloride
Concen: 1.083 ug/L
RT: 2.287 min Scan# 119
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

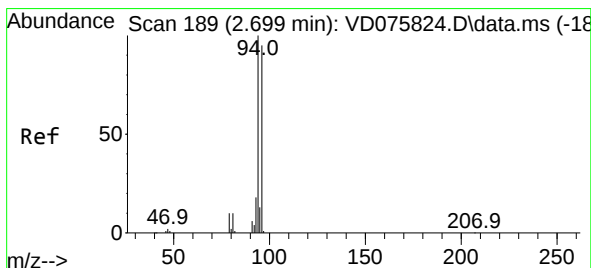
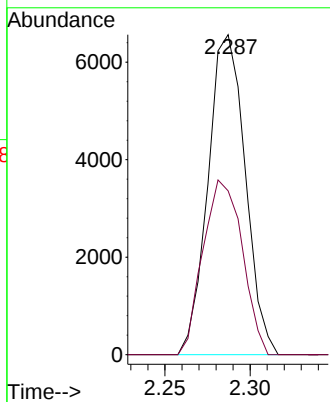
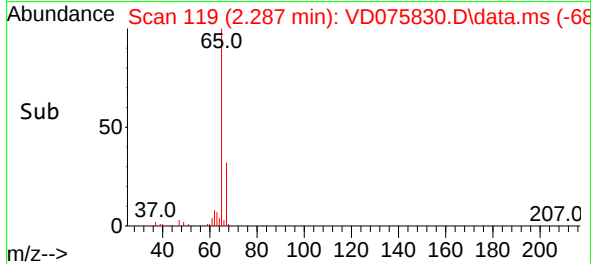
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT2-2023-04



Tgt Ion: 62 Resp: 9980
Ion Ratio Lower Upper
62 100
64 51.2 23.2 43.0

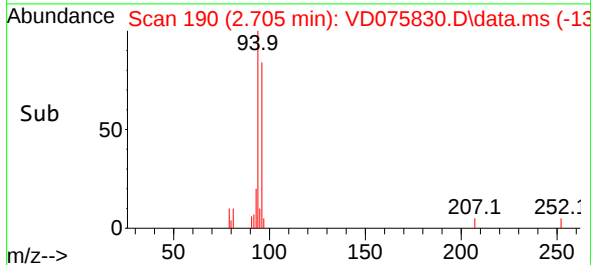
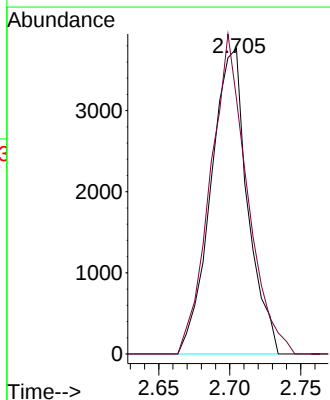
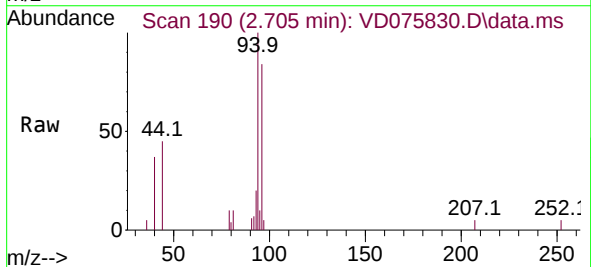
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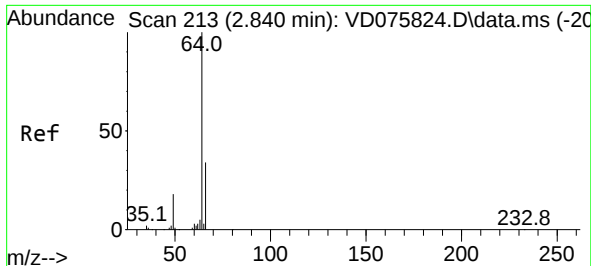
Reviewed By :Krupa Patel 04/27/2023
Supervised By :Semsettin Yesilyurt 05/01/2023



#6
Bromomethane
Concen: 1.094 ug/L
RT: 2.705 min Scan# 190
Delta R.T. 0.006 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

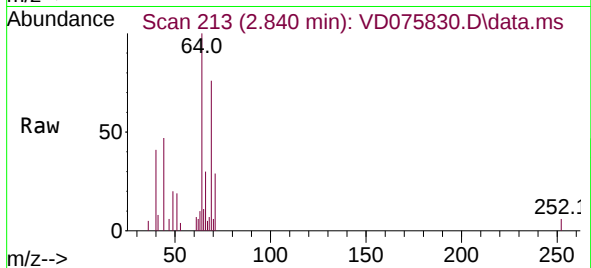
Tgt Ion: 94 Resp: 6775
Ion Ratio Lower Upper
94 100
96 83.6 65.7 121.9





#8
Chloroethane
Concen: 1.102 ug/L
RT: 2.840 min Scan# 213
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

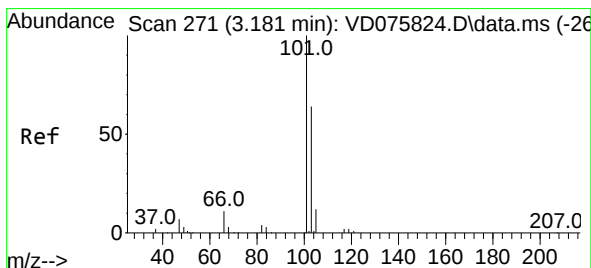
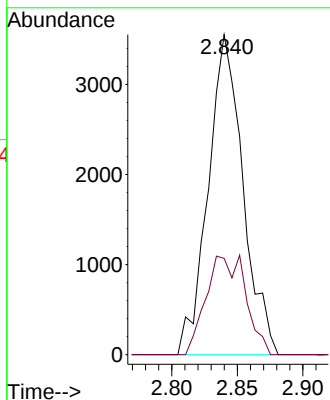
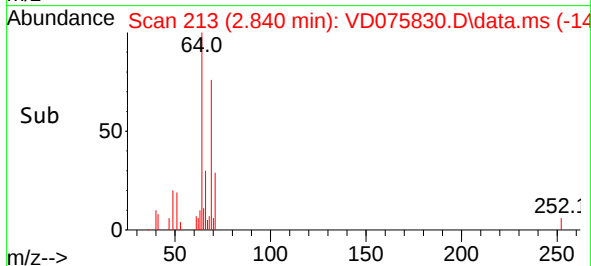
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-04



Tgt Ion: 64 Resp: 6560
Ion Ratio Lower Upper
64 100
66 30.1 21.8 40.4

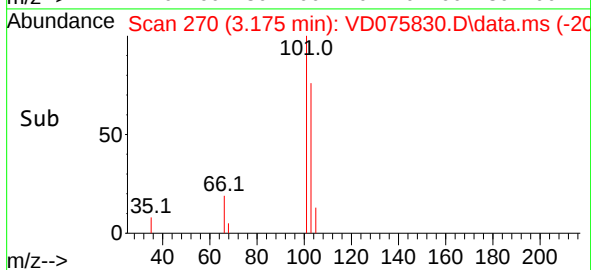
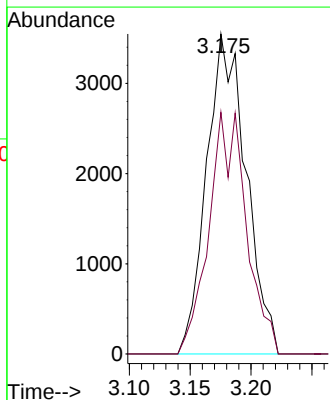
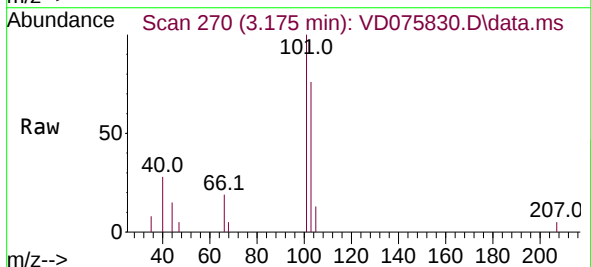
Manual Integrations
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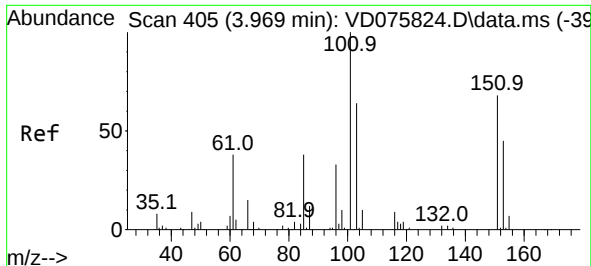
Reviewed By :Krupa Patel 04/27/2023
Supervised By :Semsettin Yesilyurt 05/01/2023



#9
Trichlorofluoromethane
Concen: 1.080 ug/L
RT: 3.175 min Scan# 270
Delta R.T. -0.006 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

Tgt Ion:101 Resp: 7995
Ion Ratio Lower Upper
101 100
103 39.7 52.2 78.4#





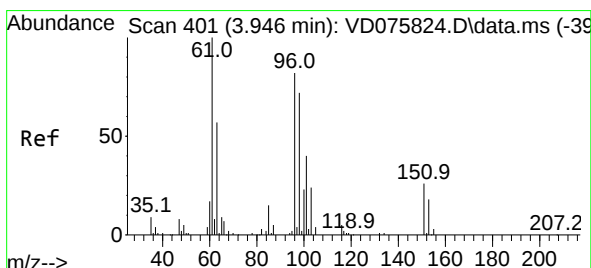
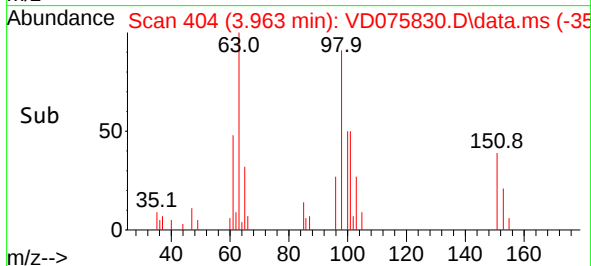
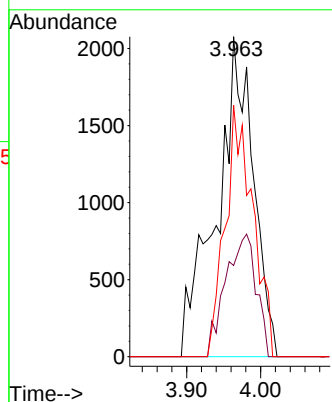
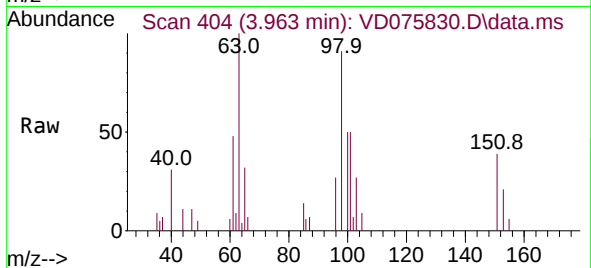
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 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.441 ug/L m
 RT: 3.963 min Scan# 405
 Delta R.T. -0.006 min
 Lab File: VD075830.D
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Tgt Ion:101 Resp: 7160
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.9 49.3
 151 54.4 57.2 85.8

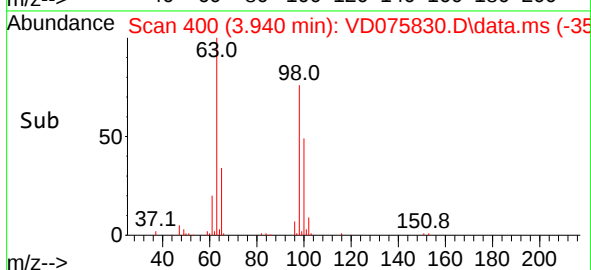
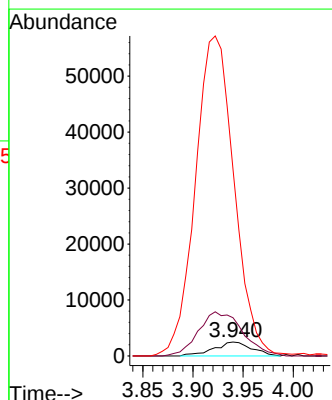
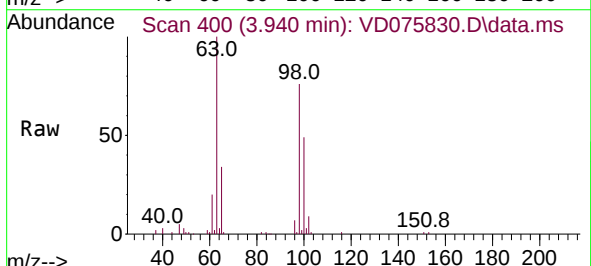
Manual Integrations
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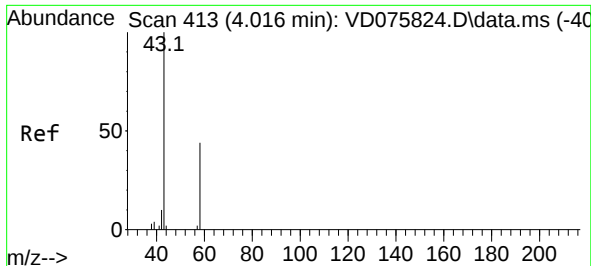
Reviewed By :Krupa Patel 04/27/2023
 Supervised By :Semsettin Yesilyurt 05/01/2023



#12
 1,1-Dichloroethene
 Concen: 1.360 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. -0.006 min
 Lab File: VD075830.D
 Acq: 26 Apr 2023 12:50

Tgt Ion: 96 Resp: 6558
 Ion Ratio Lower Upper
 96 100
 61 274.5 92.6 172.0#
 63 1339.8 77.4 143.8#





#13

Acetone

Concen: 2.536 ug/L m

RT: 4.022 min Scan# 413

Delta R.T. 0.006 min

Lab File: VD075830.D

Acq: 26 Apr 2023 12:50

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2023-04

Tgt Ion: 43 Resp: 1510

Ion Ratio Lower Upper

43 100

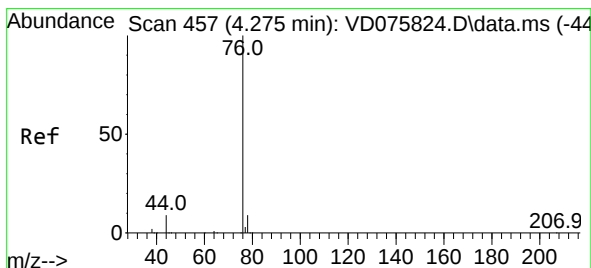
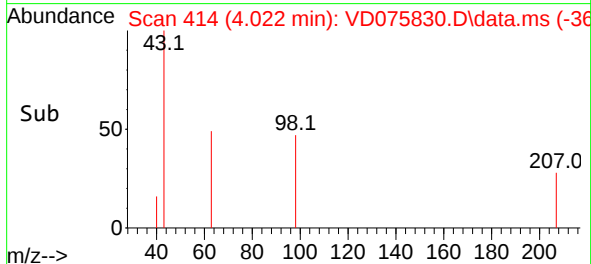
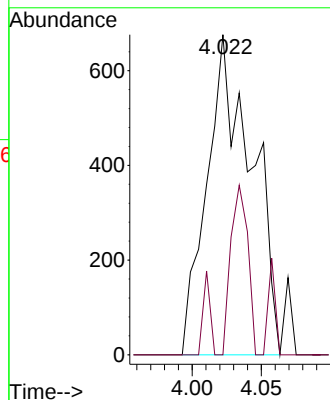
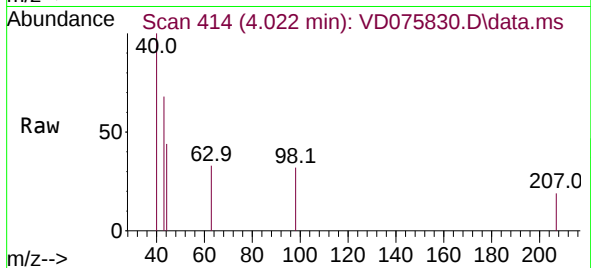
58 20.2 0.0 87.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/27/2023

Supervised By :Semsettin Yesilyurt 05/01/2023



#14

Carbon disulfide

Concen: 1.068 ug/L

RT: 4.281 min Scan# 458

Delta R.T. 0.006 min

Lab File: VD075830.D

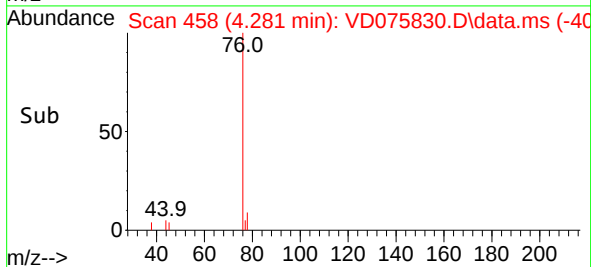
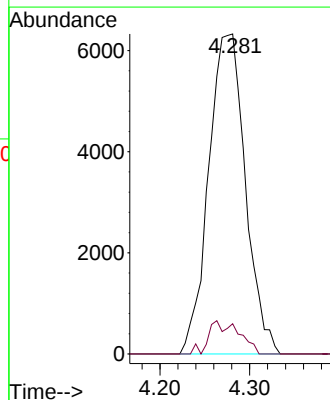
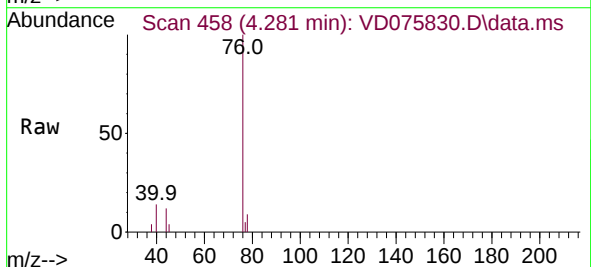
Acq: 26 Apr 2023 12:50

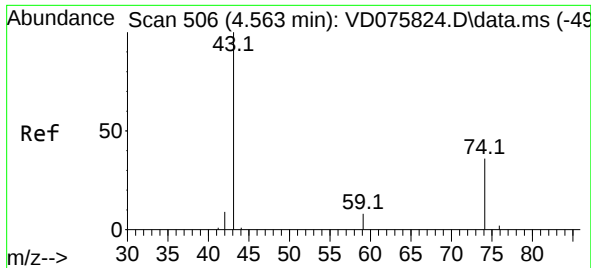
Tgt Ion: 76 Resp: 17988

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6





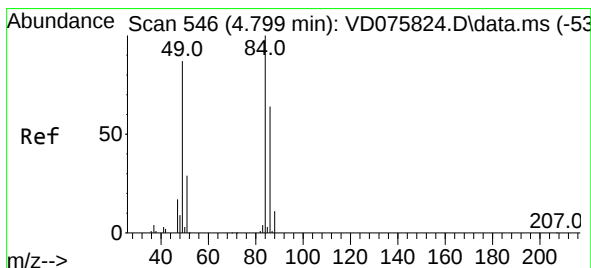
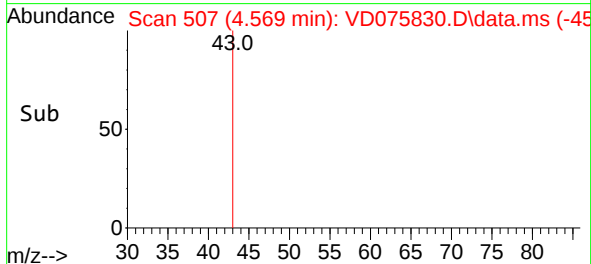
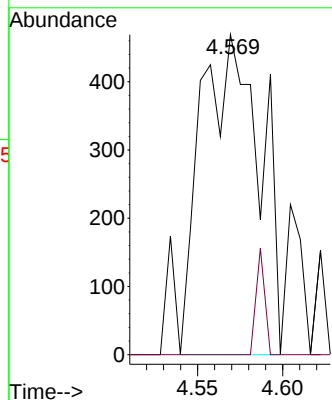
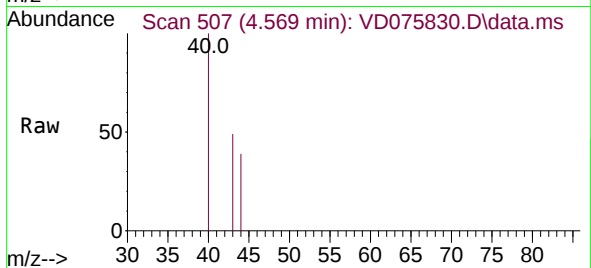
#15
Methyl Acetate
Concen: 0.872 ug/L m
RT: 4.569 min Scan# 506
Delta R.T. 0.006 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-04

Tgt Ion: 43 Resp: 1130
Ion Ratio Lower Upper
43 100
74 0.0 12.8 19.2

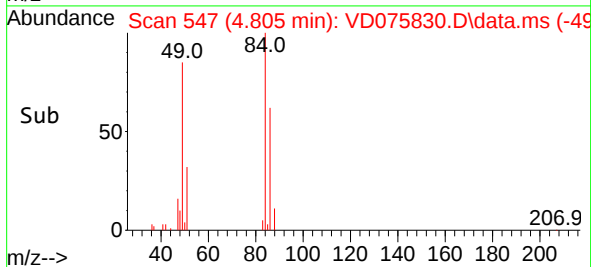
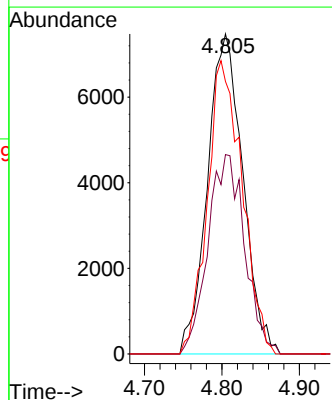
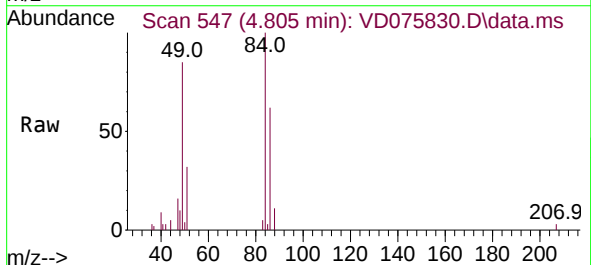
Manual Integrations
APPROVED

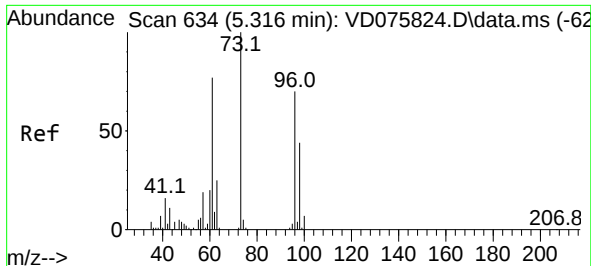
Reviewed By :Krupa Patel 04/27/2023
Supervised By :Semsettin Yesilyurt 05/01/2023



#16
Methylene chloride
Concen: 3.182 ug/L
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

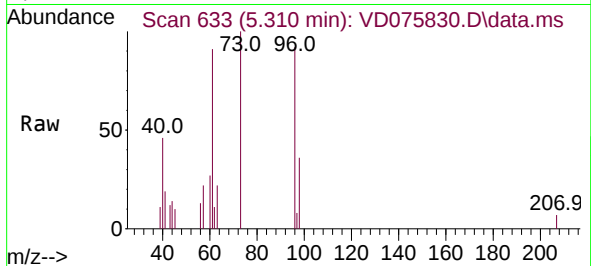
Tgt Ion: 84 Resp: 23679
Ion Ratio Lower Upper
84 100
86 62.3 45.8 85.2
49 85.1 60.8 112.8





#17
trans-1,2-Dichloroethene
Concen: 0.988 ug/L m
RT: 5.310 min Scan# 61
Delta R.T. -0.006 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

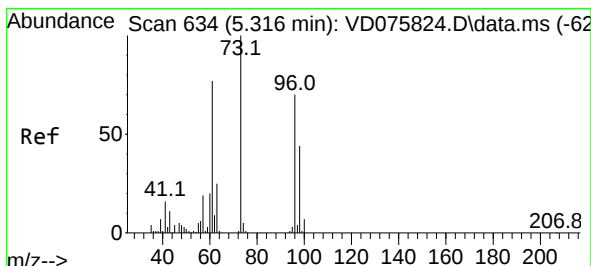
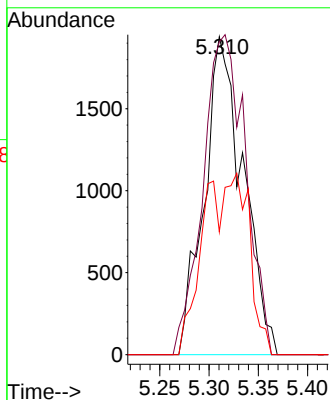
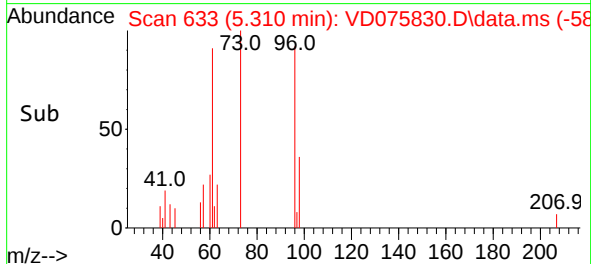
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-04



Tgt Ion: 96 Resp: 5344
Ion Ratio Lower Upper
96 100
61 98.4 72.9 135.5
98 38.6 43.0 79.8

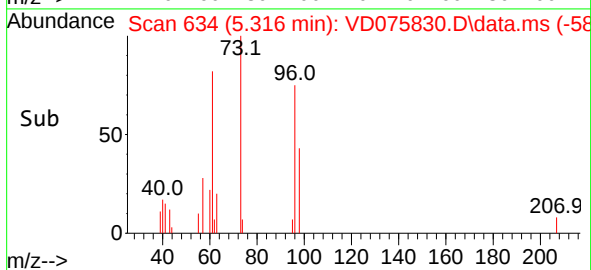
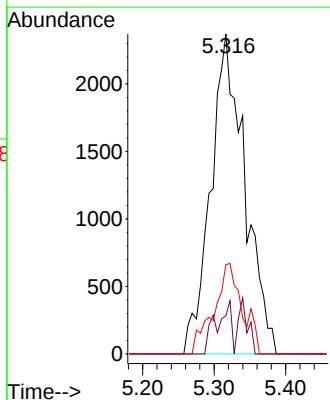
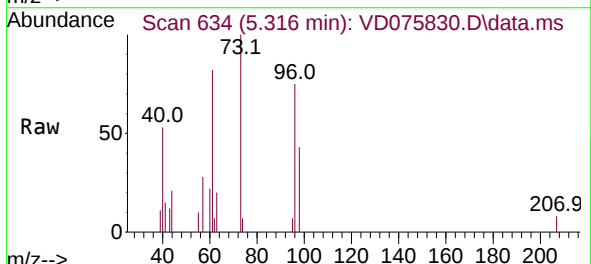
Manual Integrations
APPROVED

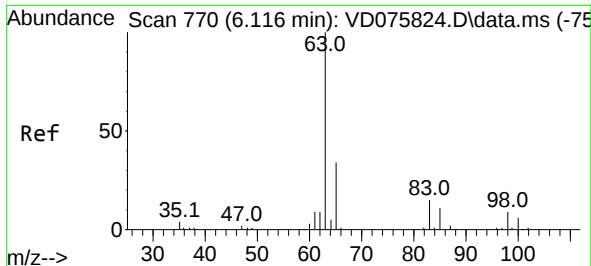
Reviewed By :Krupa Patel 04/27/2023
Supervised By :Semsettin Yesilyurt 05/01/2023



#18
Methyl tert-butyl Ether
Concen: 0.905 ug/L m
RT: 5.316 min Scan# 634
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

Tgt Ion: 73 Resp: 7850
Ion Ratio Lower Upper
73 100
43 4.2 11.3 16.9#
57 16.3 16.3 24.5#





#19

1,1-Dichloroethane

Concen: 1.134 ug/L m

RT: 6.128 min Scan# 71

Delta R.T. 0.012 min

Lab File: VD075830.D

Acq: 26 Apr 2023 12:50

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2023-04

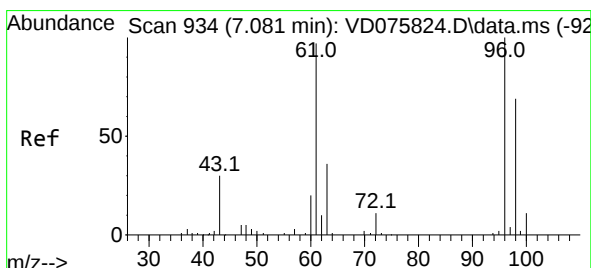
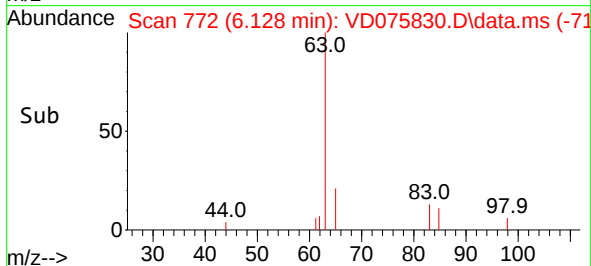
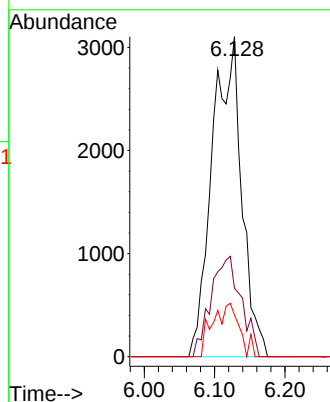
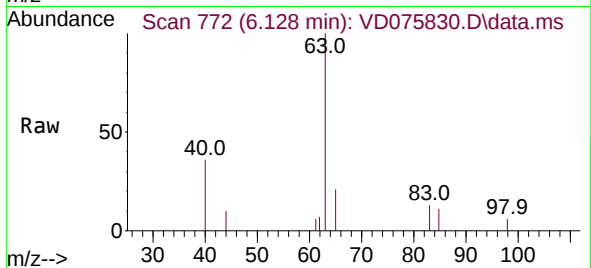
Tgt Ion: 63	Resp: 898
Ion Ratio	Lower Upper
63	100
65	21.4 22.8 42.4
83	13.0 11.2 20.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/27/2023

Supervised By :Semsettin Yesilyurt 05/01/2023



#20

cis-1,2-Dichloroethene

Concen: 1.006 ug/L m

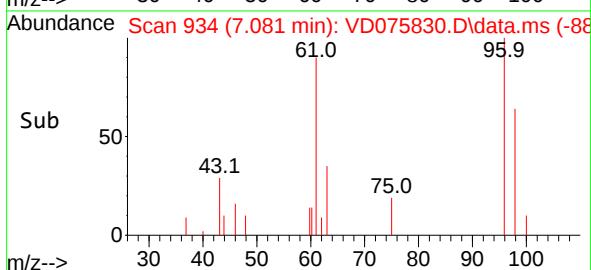
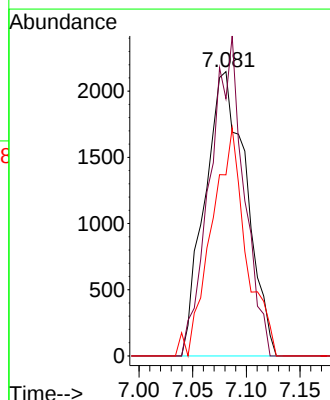
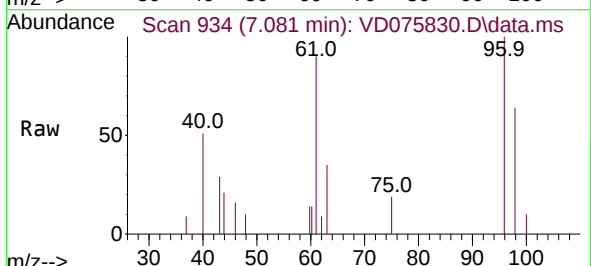
RT: 7.081 min Scan# 934

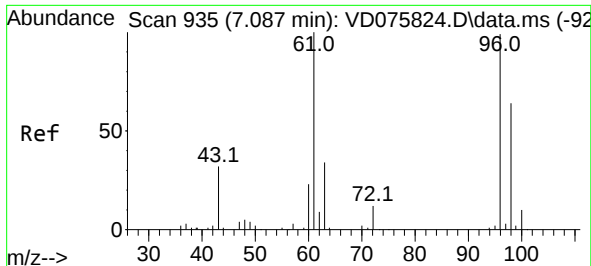
Delta R.T. -0.000 min

Lab File: VD075830.D

Acq: 26 Apr 2023 12:50

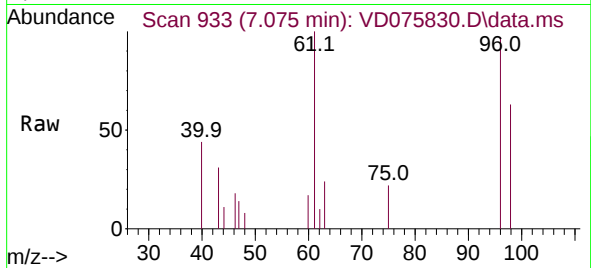
Tgt Ion: 96	Resp: 5755
Ion Ratio	Lower Upper
96	100
61	90.5 67.5 125.3
98	63.7 47.5 88.1





#22
2-Butanone
Concen: 2.345 ug/L m
RT: 7.075 min Scan# 911
Delta R.T. -0.012 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

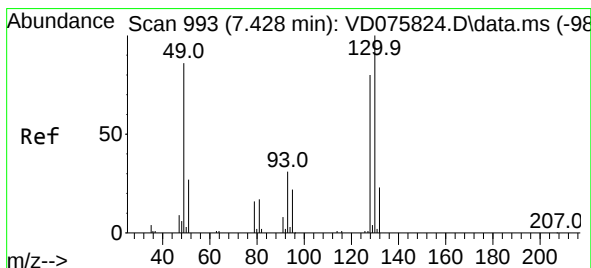
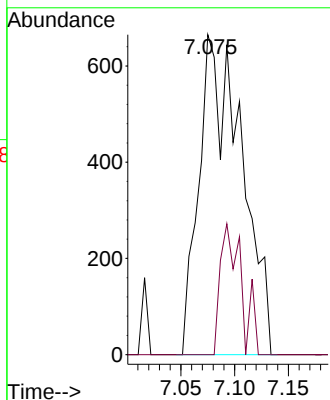
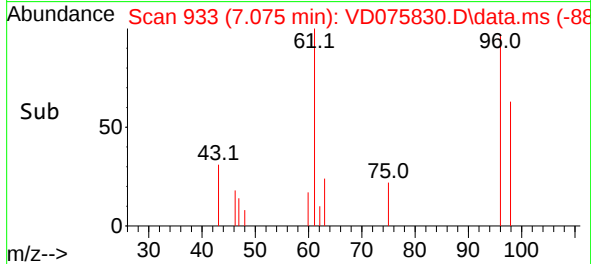
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-04



Tgt Ion: 43 Resp: 1828
Ion Ratio Lower Upper
43 100
72 17.2 20.5 61.5

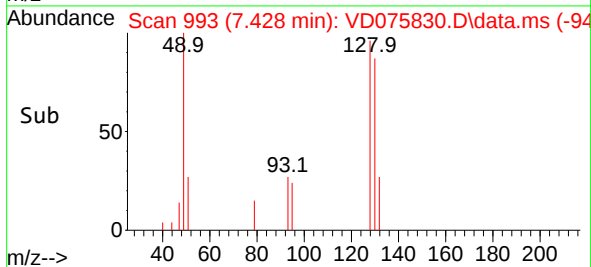
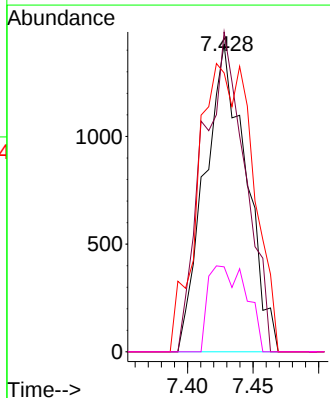
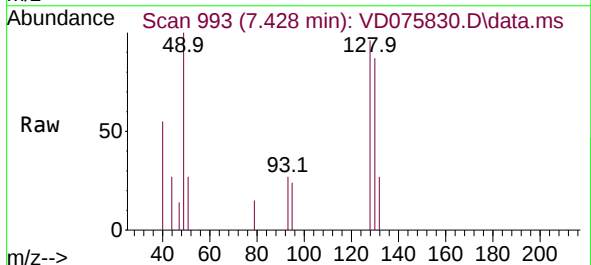
Manual Integrations
APPROVED

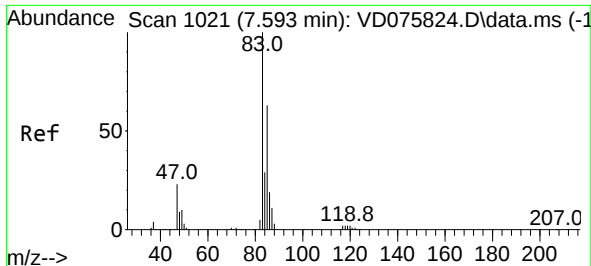
Reviewed By :Krupa Patel 04/27/2023
Supervised By :Semsettin Yesilyurt 05/01/2023



#23
Bromochloromethane
Concen: 1.184 ug/L
RT: 7.428 min Scan# 993
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

Tgt Ion:128 Resp: 3141
Ion Ratio Lower Upper
128 100
49 104.0 76.4 142.0
130 90.7 93.5 173.7#
51 27.7 24.8 37.2





#25

Chloroform

Concen: 1.280 ug/L

RT: 7.599 min Scan# 1021

Delta R.T. 0.006 min

Lab File: VD075830.D

Acq: 26 Apr 2023 12:50

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2023-04

Tgt Ion: 83 Resp: 11369

Ion Ratio Lower Upper

83 100

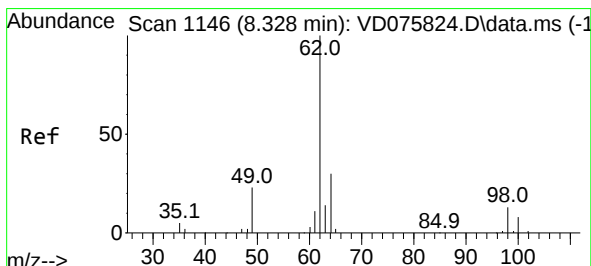
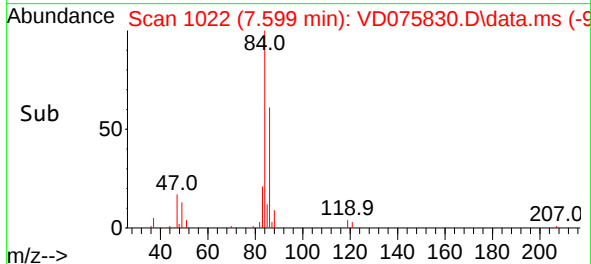
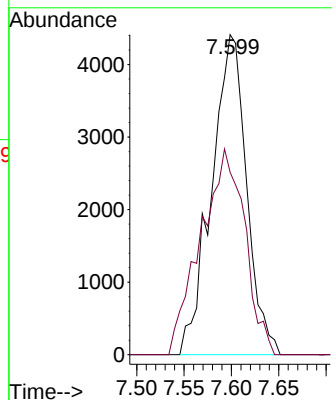
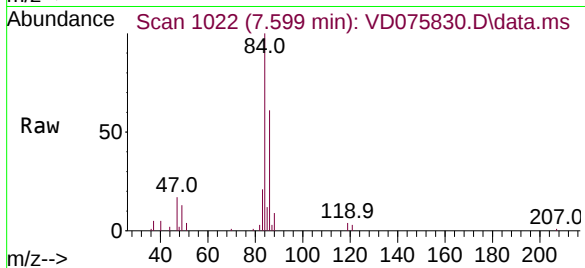
85 57.0 44.4 82.5

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/27/2023

Supervised By :Semsettin Yesilyurt 05/01/2023



#27

1,2-Dichloroethane

Concen: 1.194 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VD075830.D

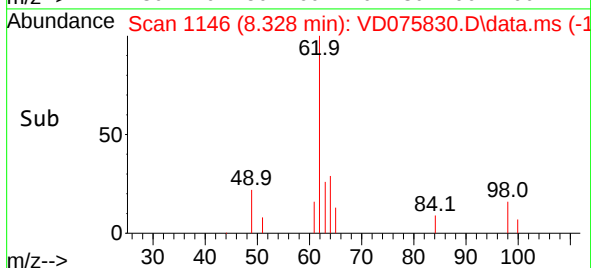
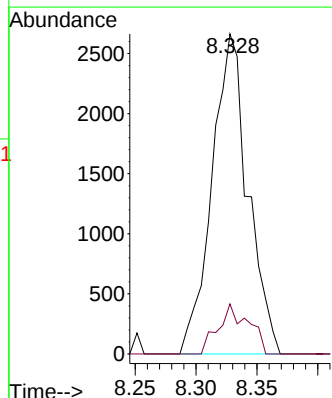
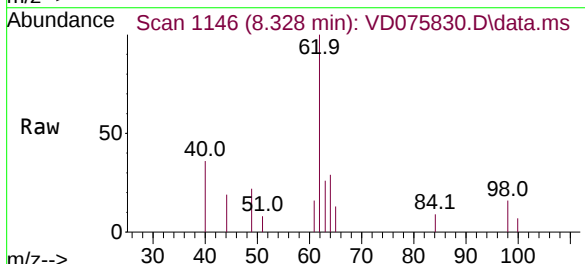
Acq: 26 Apr 2023 12:50

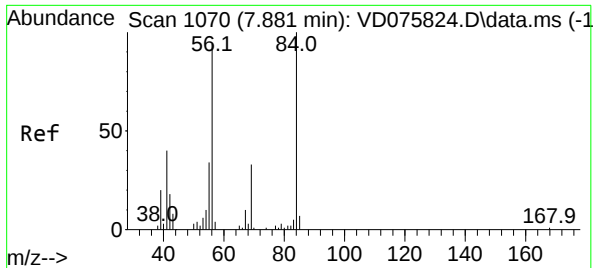
Tgt Ion: 62 Resp: 5471

Ion Ratio Lower Upper

62 100

98 15.7 10.2 15.2#





#29

Cyclohexane

Concen: 0.975 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VD075830.D

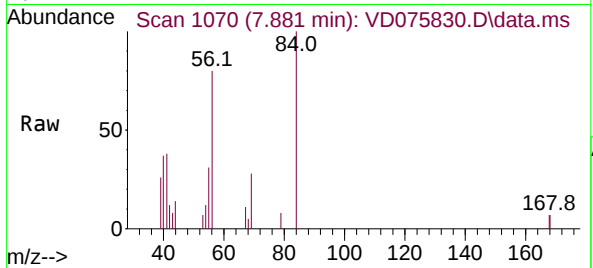
Acq: 26 Apr 2023 12:50

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2023-04



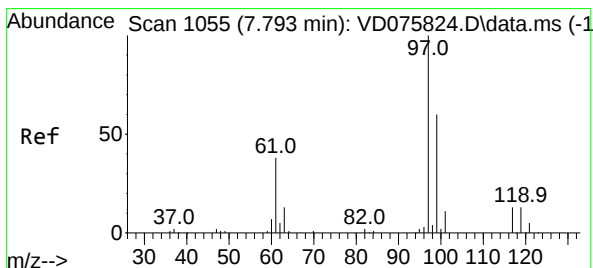
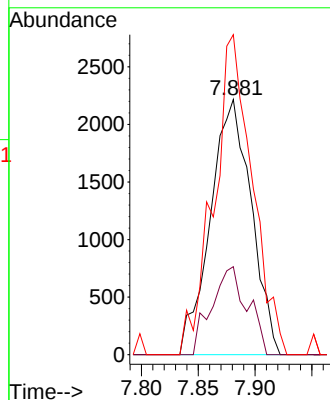
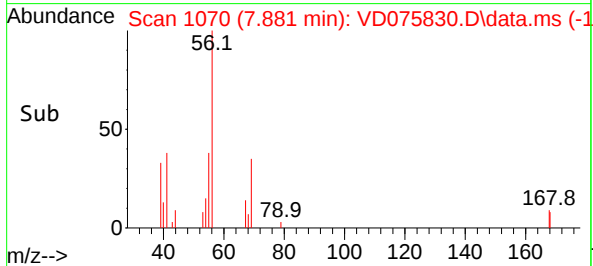
Tgt Ion:	56	Resp:	5550
Ion Ratio	100	Lower	Upper
56	100		
69	21.4	28.2	42.2
84	94.4	92.4	138.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/27/2023

Supervised By :Semsettin Yesilyurt 05/01/2023



#30

1,1,1-Trichloroethane

Concen: 1.045 ug/L

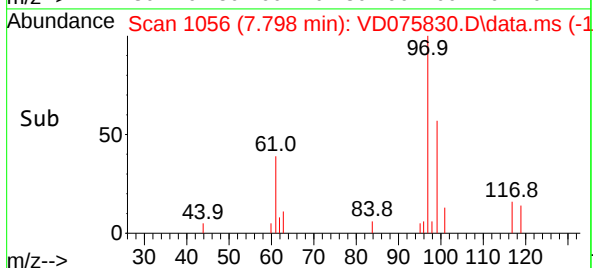
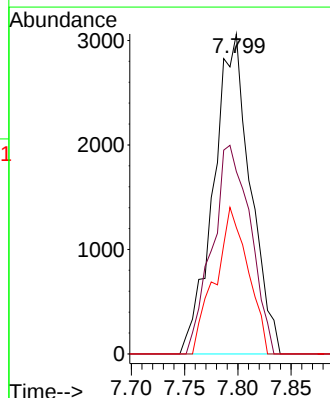
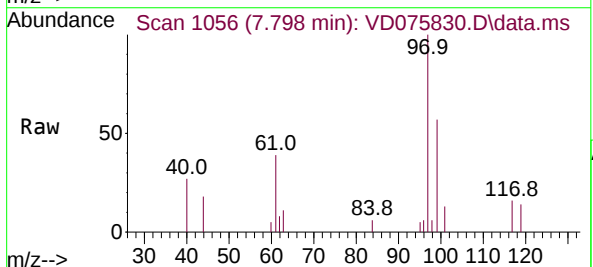
RT: 7.798 min Scan# 1056

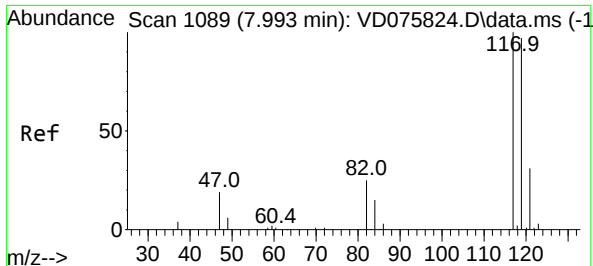
Delta R.T. 0.006 min

Lab File: VD075830.D

Acq: 26 Apr 2023 12:50

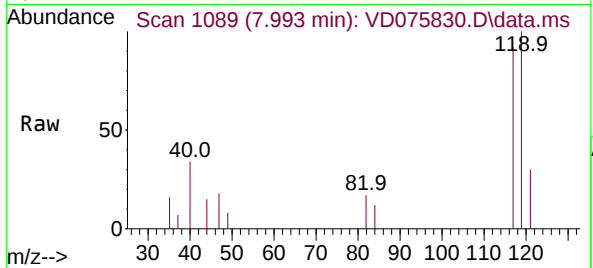
Tgt Ion:	97	Resp:	7348
Ion Ratio	100	Lower	Upper
97	100		
99	67.5	51.5	77.3
61	41.2	32.1	48.1





#31
Carbon tetrachloride
Concen: 0.980 ug/L m
RT: 7.993 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

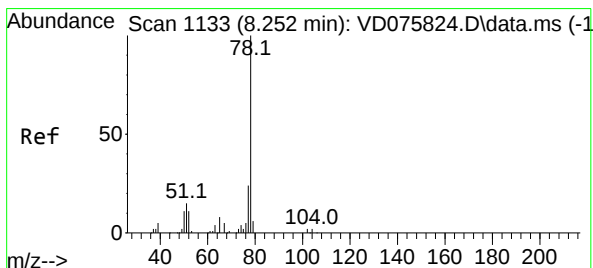
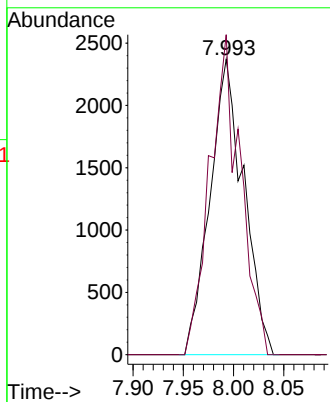
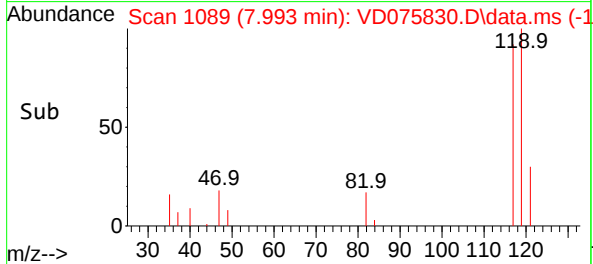
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-04



Tgt Ion:117 Resp: 5528
Ion Ratio Lower Upper
117 100
119 12.0 78.2 117.4

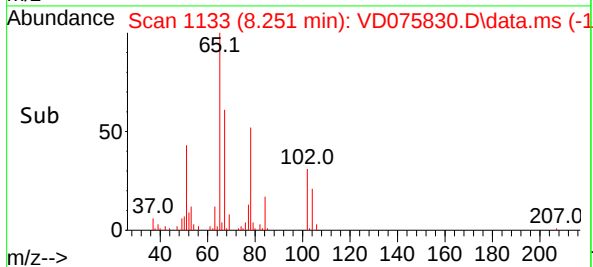
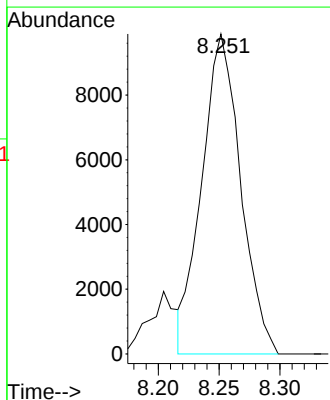
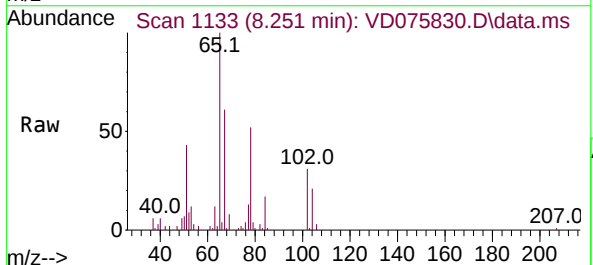
Manual Integrations
APPROVED

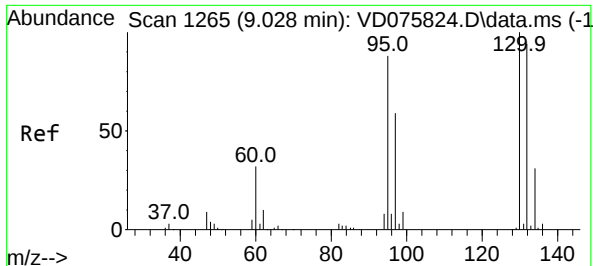
Reviewed By :Krupa Patel 04/27/2023
Supervised By :Semsettin Yesilyurt 05/01/2023



#33
Benzene
Concen: 1.092 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

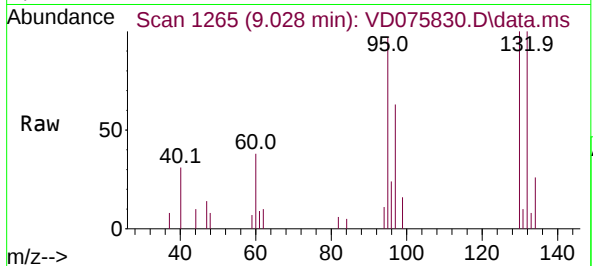
Tgt Ion: 78 Resp: 21949





#34
Trichloroethene
Concen: 1.074 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

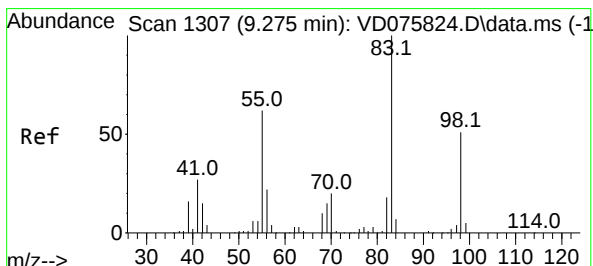
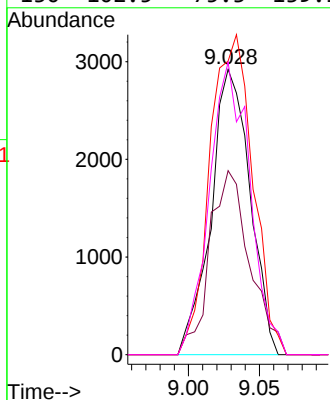
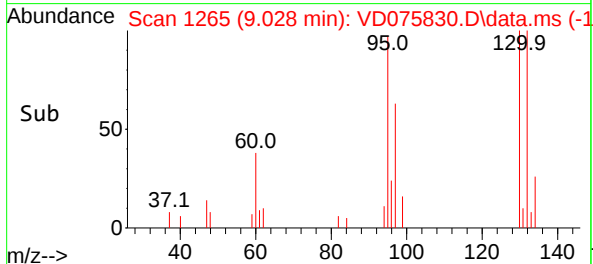
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-04



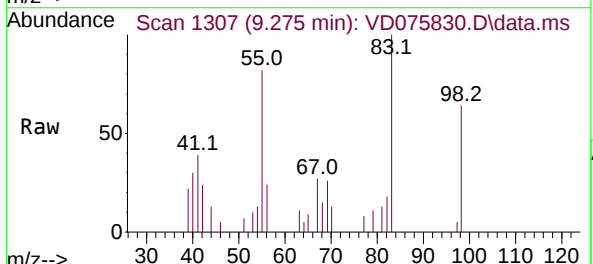
Tgt Ion: 95 Resp: 5584
Ion Ratio Lower Upper
95 100
97 64.5 46.0 85.4
132 102.9 73.3 136.1
130 102.5 75.3 139.9

Manual Integrations
APPROVED

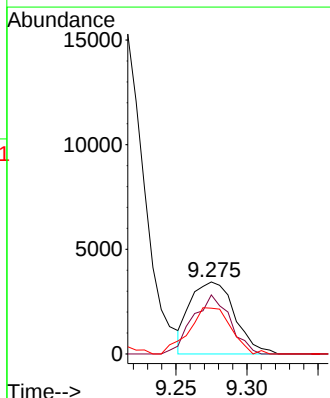
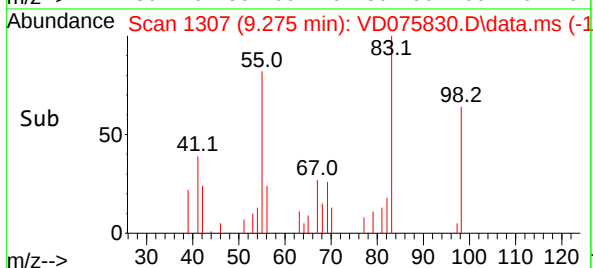
Reviewed By :Krupa Patel 04/27/2023
Supervised By :Semsettin Yesilyurt 05/01/2023

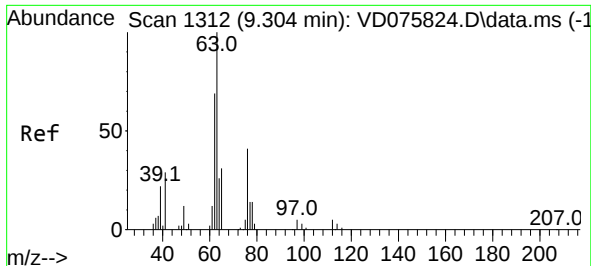


#35
Methylcyclohexane
Concen: 0.938 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50



Tgt Ion: 83 Resp: 7517
Ion Ratio Lower Upper
83 100
55 68.7 48.2 72.2
98 59.5 40.8 61.2





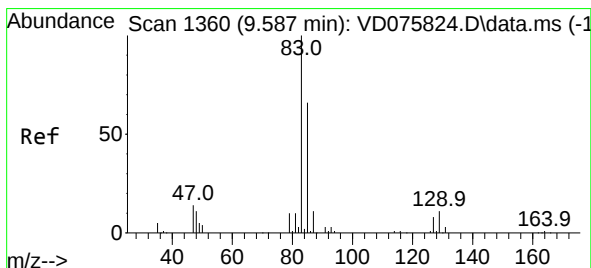
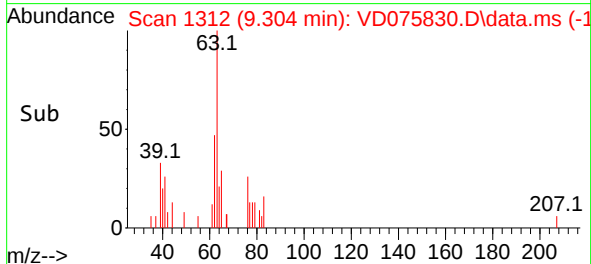
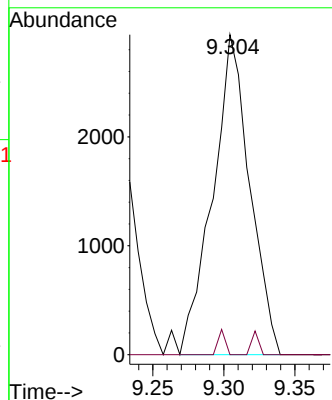
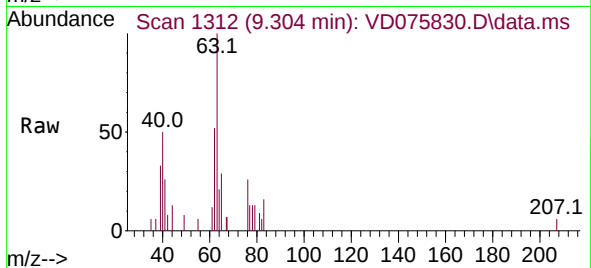
#37
1,2-Dichloropropane
Concen: 1.155 ug/L
RT: 9.304 min Scan# 1135
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT2-2023-04

Tgt Ion: 63 Resp: 533
Ion Ratio Lower Upper
63 100
112 0.0 4.0 6.0

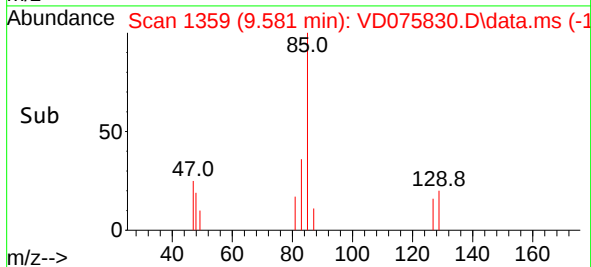
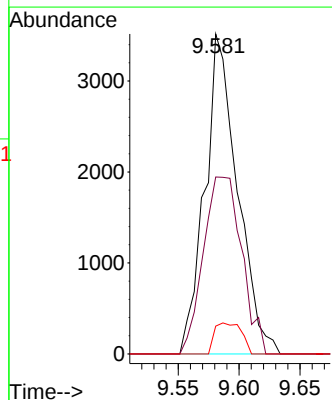
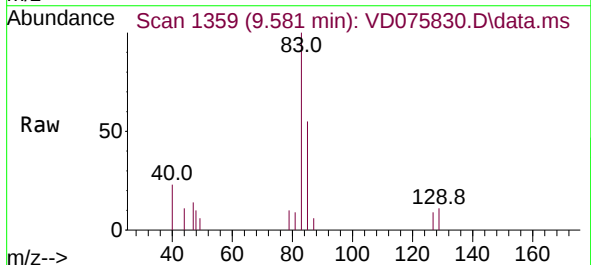
Manual Integrations
APPROVED

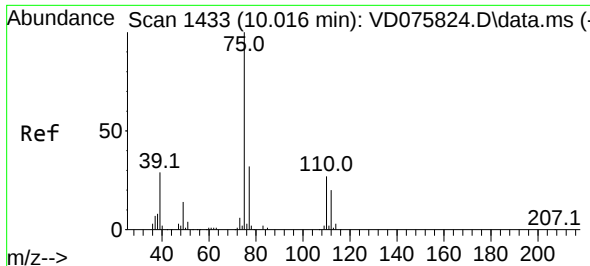
Reviewed By :Krupa Patel 04/27/2023
Supervised By :Semsettin Yesilyurt 05/01/2023



#38
Bromodichloromethane
Concen: 1.054 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. -0.006 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

Tgt Ion: 83 Resp: 6563
Ion Ratio Lower Upper
83 100
85 55.3 44.2 82.2
127 8.7 6.3 9.5





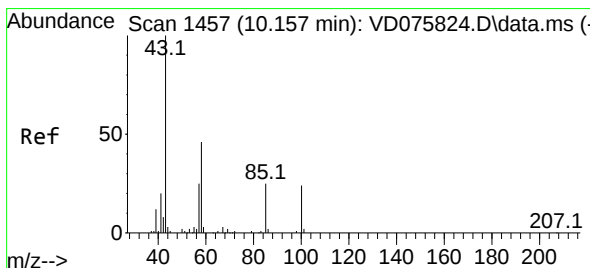
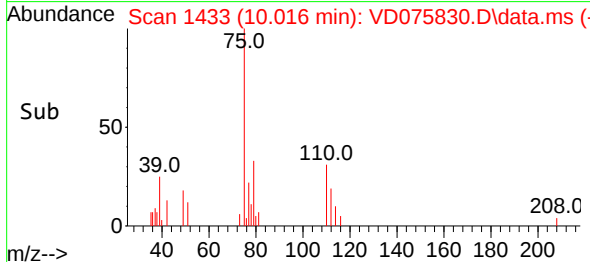
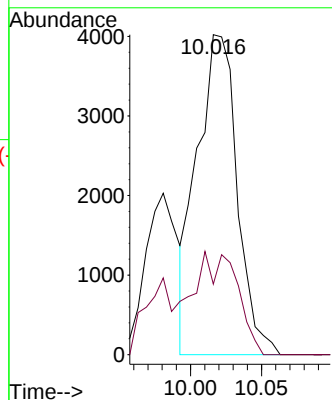
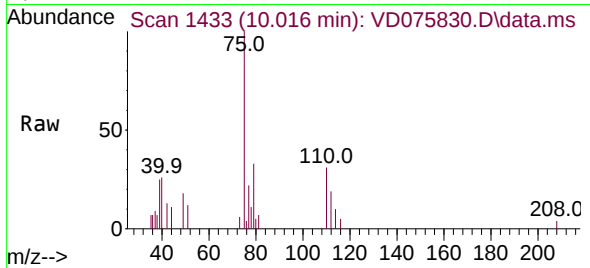
#39
cis-1,3-Dichloropropene
Concen: 1.076 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT2-2023-04

Tgt Ion: 75 Resp: 790
Ion Ratio Lower Upper
75 100
77 22.0 23.4 43.6

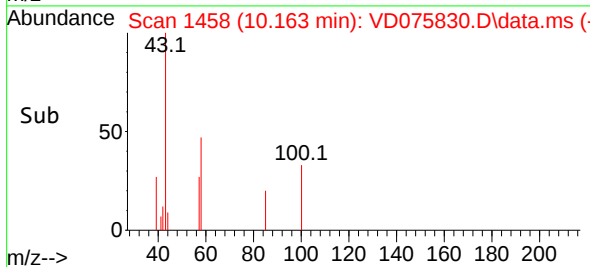
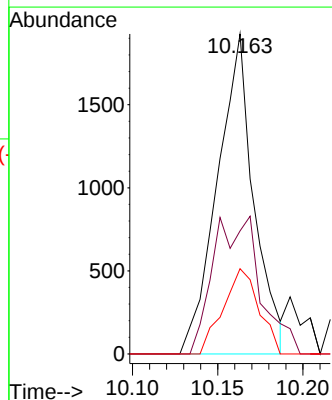
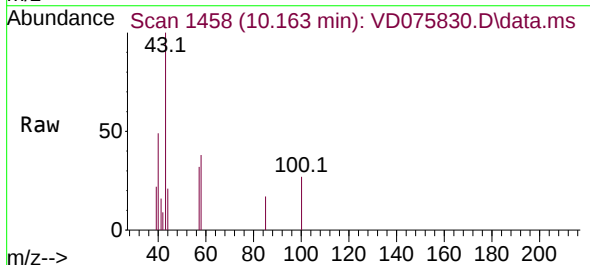
Manual Integrations
APPROVED

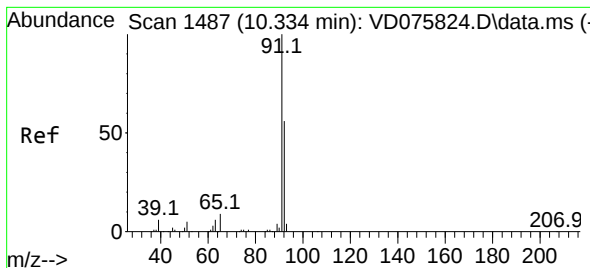
Reviewed By :Krupa Patel 04/27/2023
Supervised By :Semsettin Yesilyurt 05/01/2023



#40
4-Methyl-2-pentanone
Concen: 1.704 ug/L
RT: 10.163 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

Tgt Ion: 43 Resp: 2869
Ion Ratio Lower Upper
43 100
58 30.1 39.1 58.7#
100 26.1 19.4 29.0





#42

Toluene

Concen: 1.073 ug/L

RT: 10.340 min Scan# 1487

Delta R.T. 0.006 min

Lab File: VD075830.D

Acq: 26 Apr 2023 12:50

Instrument :

MSVOA_D

ClientSampleId :

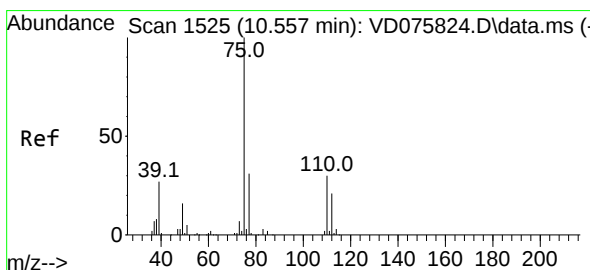
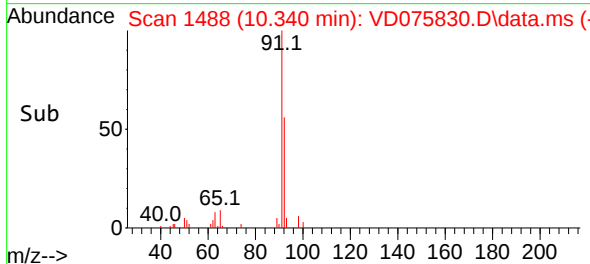
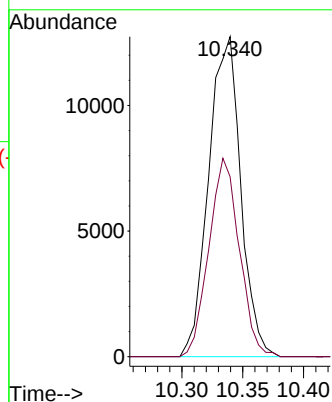
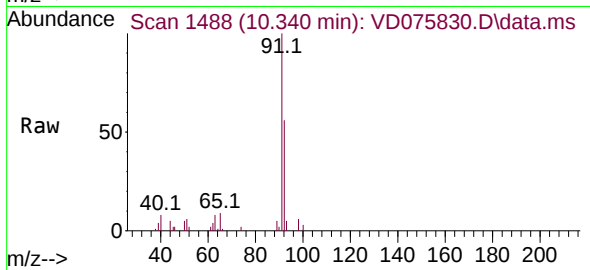
MDL-SOIL-QT2-2023-04

Tgt Ion: 91 Resp: 23334
 Ion Ratio Lower Upper
 91 100
 92 56.2 39.3 72.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/27/2023
 Supervised By :Semsettin Yesilyurt 05/01/2023



#44

trans-1,3-Dichloropropene

Concen: 0.949 ug/L m

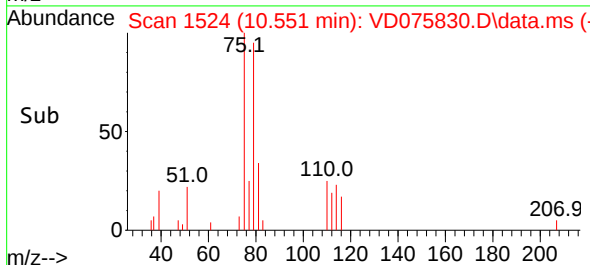
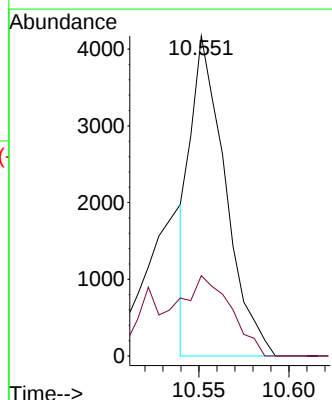
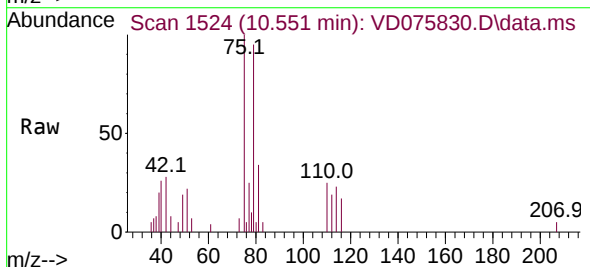
RT: 10.551 min Scan# 1524

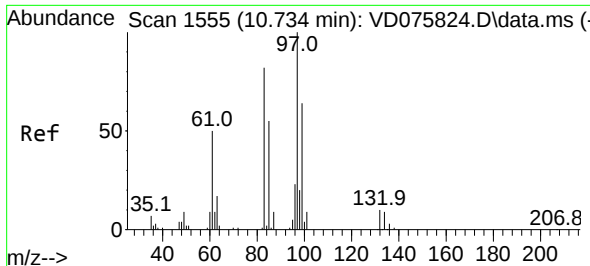
Delta R.T. -0.006 min

Lab File: VD075830.D

Acq: 26 Apr 2023 12:50

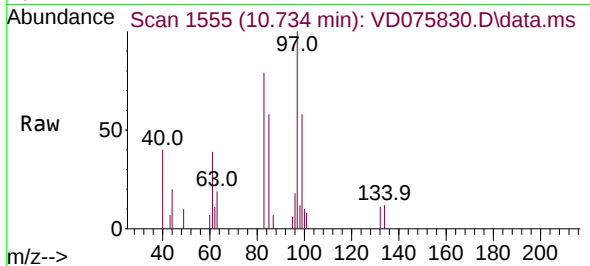
Tgt Ion: 75 Resp: 5598
 Ion Ratio Lower Upper
 75 100
 77 25.1 22.0 41.0





#45
1,1,2-Trichloroethane
Concen: 1.013 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

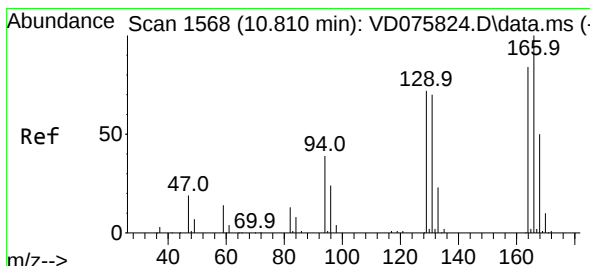
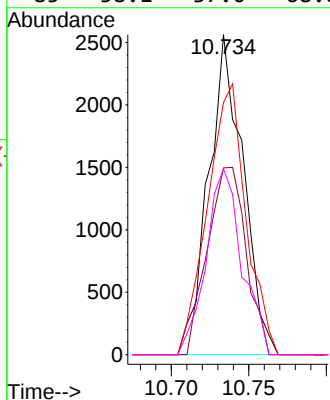
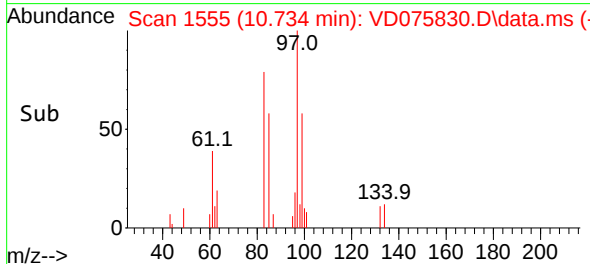
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT2-2023-04



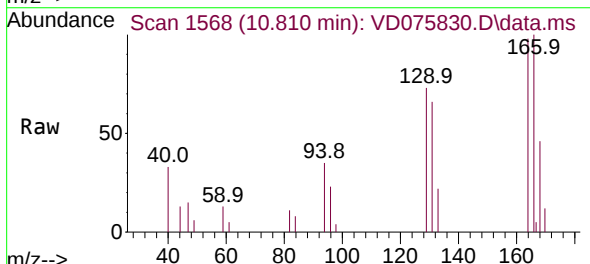
Tgt Ion	Ratio	Lower	Upper
97	100		
99	58.3	42.2	78.4
83	78.8	54.8	101.8
85	58.1	37.0	68.8

Manual Integrations
APPROVED

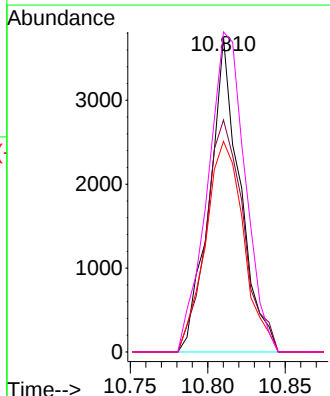
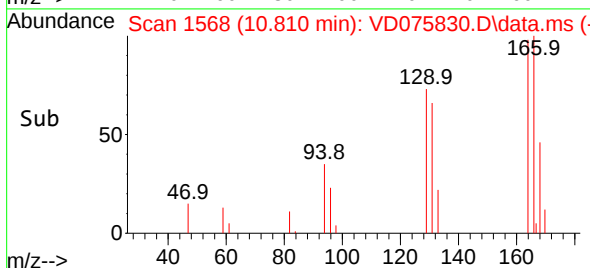
Reviewed By :Krupa Patel 04/27/2023
Supervised By :Semsettin Yesilyurt 05/01/2023

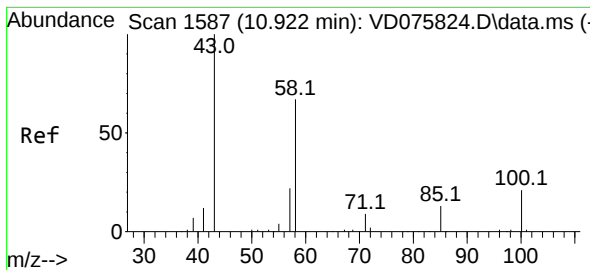


#46
Tetrachloroethene
Concen: 1.205 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50



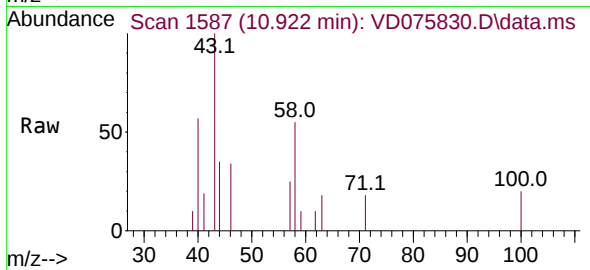
Tgt Ion	Ratio	Lower	Upper
164	100		
129	73.7	60.3	112.1
131	66.8	58.9	109.3
166	106.2	83.0	154.1





#48
2-Hexanone
Concen: 2.210 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

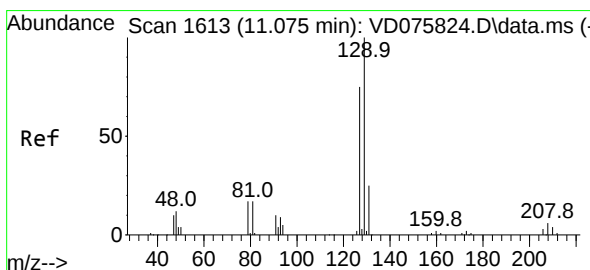
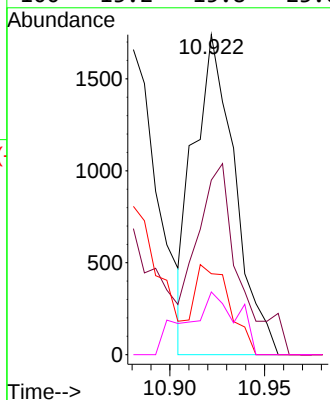
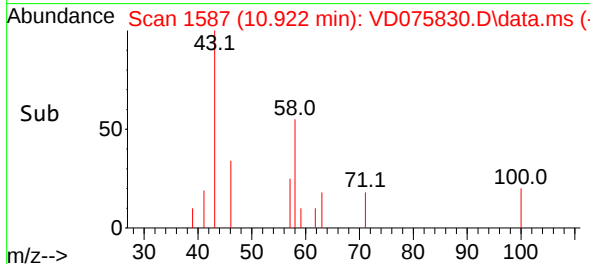
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT2-2023-04



Tgt Ion: 43 Resp: 262
Ion Ratio Lower Upper
43 100
58 56.3 59.7 89.5
57 25.4 17.9 26.9
100 13.2 15.8 23.6#

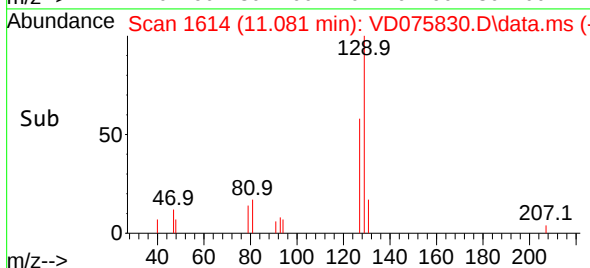
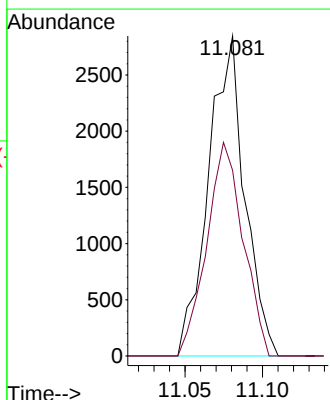
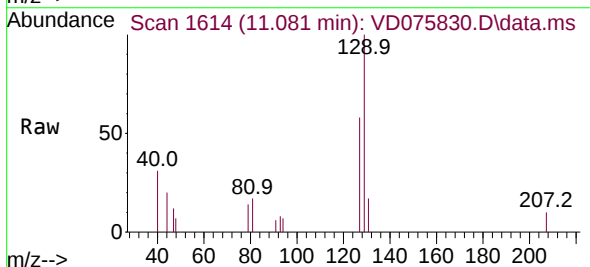
Manual Integrations
APPROVED

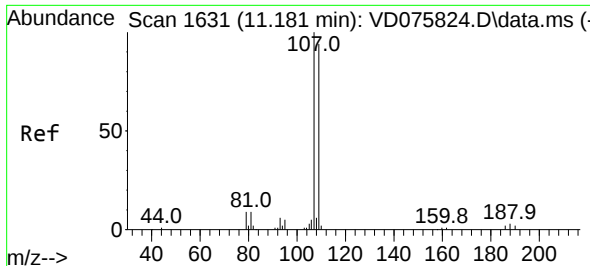
Reviewed By :Krupa Patel 04/27/2023
Supervised By :Semsettin Yesilyurt 05/01/2023



#49
Dibromochloromethane
Concen: 1.079 ug/L
RT: 11.081 min Scan# 1614
Delta R.T. 0.006 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

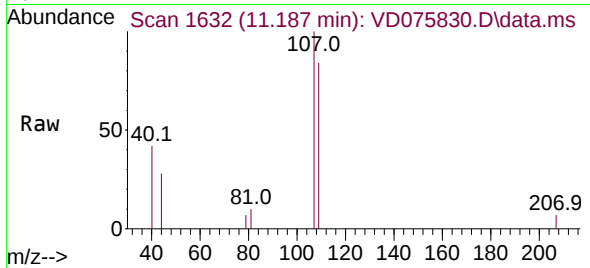
Tgt Ion:129 Resp: 4614
Ion Ratio Lower Upper
129 100
127 58.0 55.6 103.4





#50
1,2-Dibromoethane
Concen: 1.037 ug/L
RT: 11.187 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

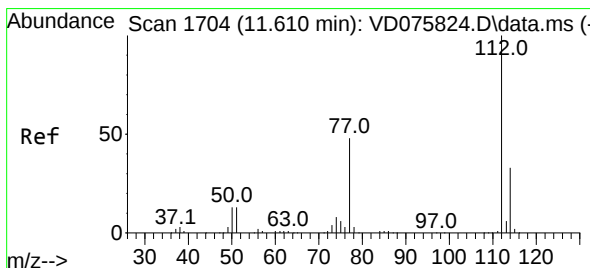
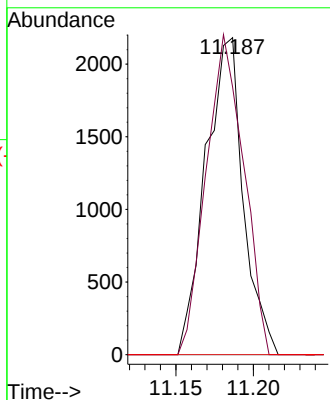
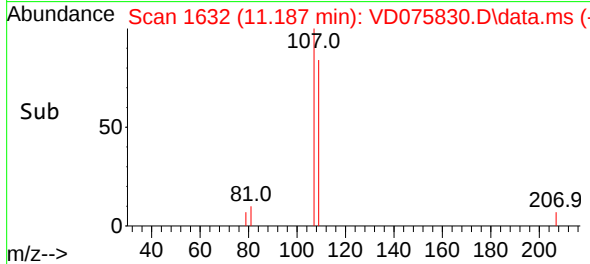
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-04



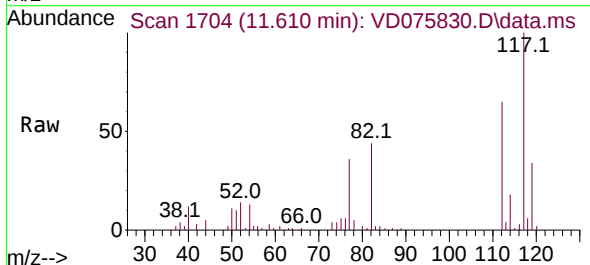
Tgt Ion:107 Resp: 3672
Ion Ratio Lower Upper
107 100
109 84.5 67.6 125.6
188 0.0 3.0 4.6

Manual Integrations
APPROVED

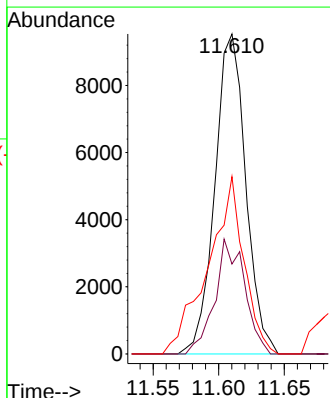
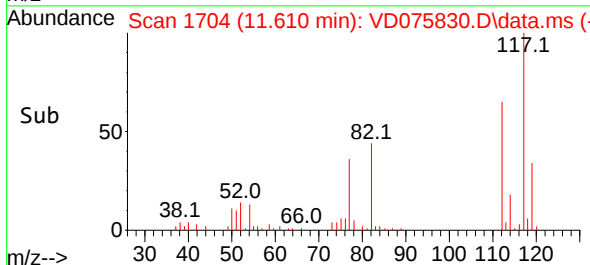
Reviewed By :Krupa Patel 04/27/2023
Supervised By :Semsettin Yesilyurt 05/01/2023

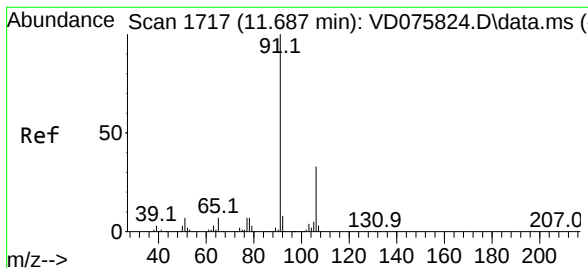


#51
Chlorobenzene
Concen: 1.098 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50



Tgt Ion:112 Resp: 15621
Ion Ratio Lower Upper
112 100
114 28.1 23.0 42.8
77 55.4 39.7 59.5





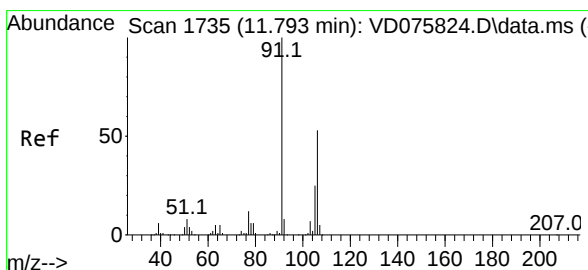
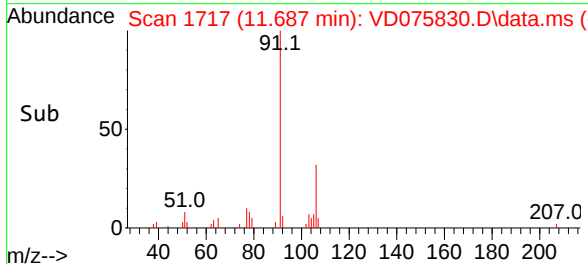
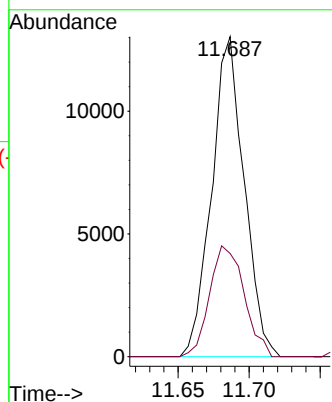
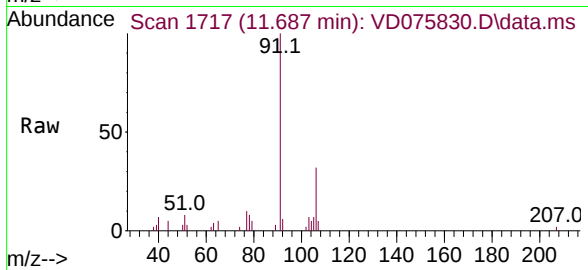
#52
Ethylbenzene
Concen: 0.929 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-04

Tgt Ion: 91 Resp: 20725
Ion Ratio Lower Upper
91 100
106 32.3 23.7 43.9

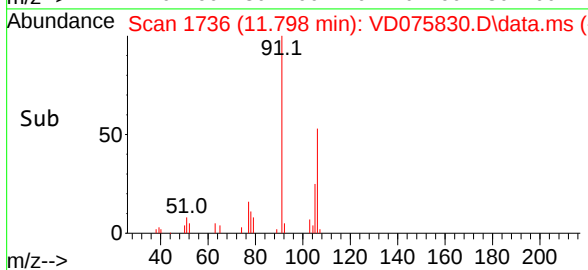
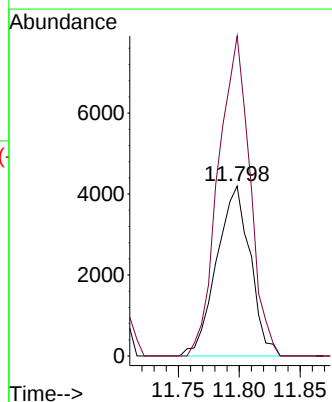
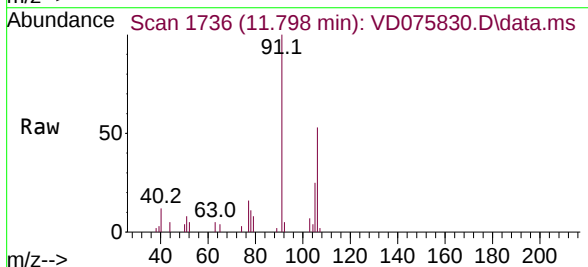
Manual Integrations
APPROVED

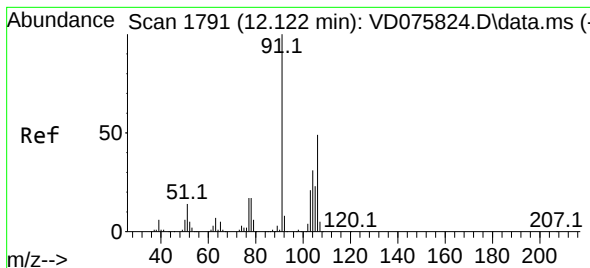
Reviewed By :Krupa Patel 04/27/2023
Supervised By :Semsettin Yesilyurt 05/01/2023



#53
m,p-Xylene
Concen: 0.908 ug/L
RT: 11.798 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

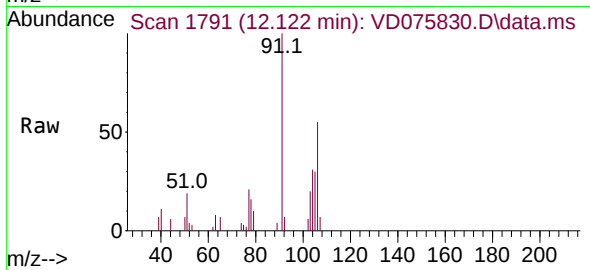
Tgt Ion:106 Resp: 8063
Ion Ratio Lower Upper
106 100
91 188.5 130.9 243.1





#54
o-Xylene
Concen: 0.823 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

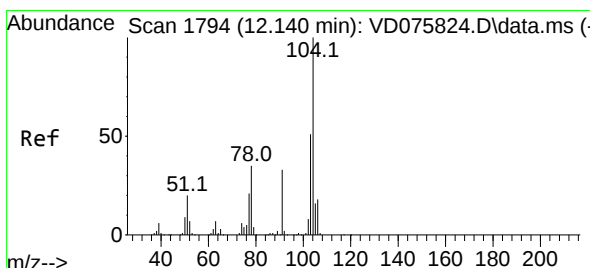
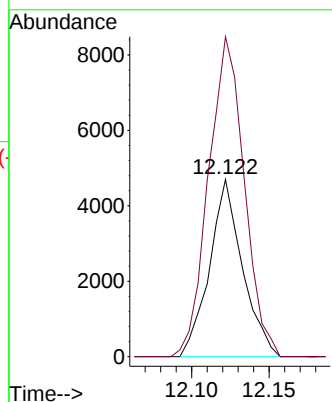
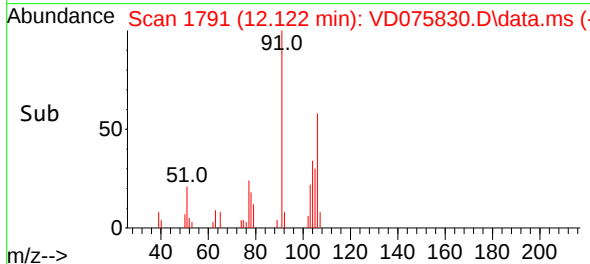
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-04



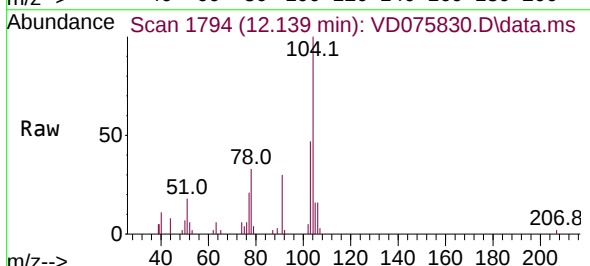
Tgt Ion:106 Resp: 6948
Ion Ratio Lower Upper
106 100
91 180.5 139.8 259.6

Manual Integrations
APPROVED

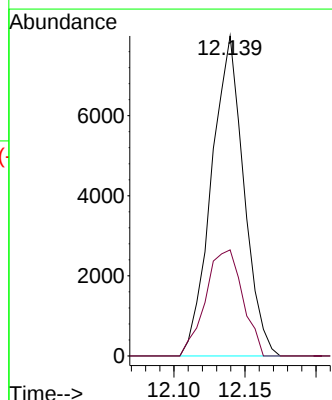
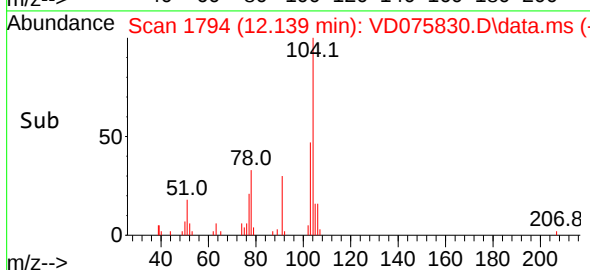
Reviewed By :Krupa Patel 04/27/2023
Supervised By :Semsettin Yesilyurt 05/01/2023

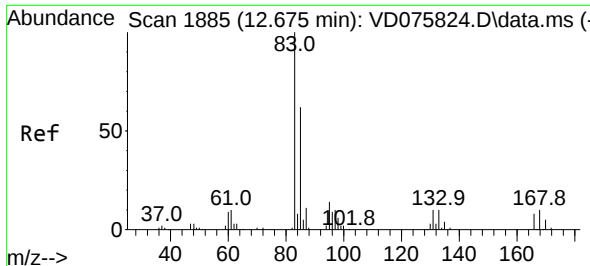


#55
Styrene
Concen: 0.862 ug/L
RT: 12.139 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50



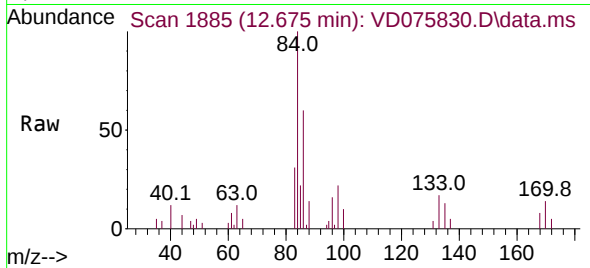
Tgt Ion:104 Resp: 12656
Ion Ratio Lower Upper
104 100
78 33.1 26.2 48.6





#57
1,1,2,2-Tetrachloroethane
Concen: 1.138 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

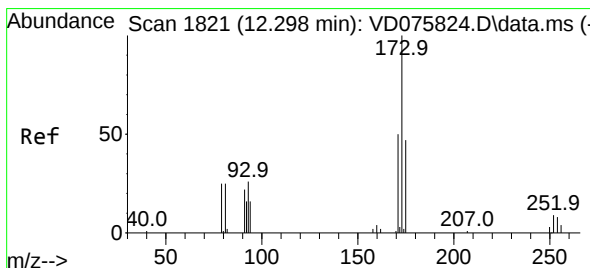
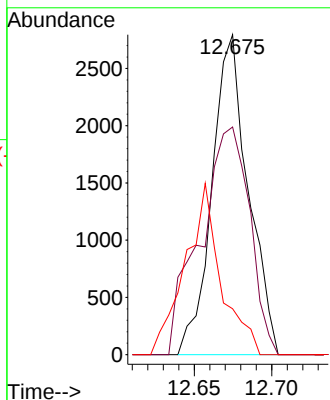
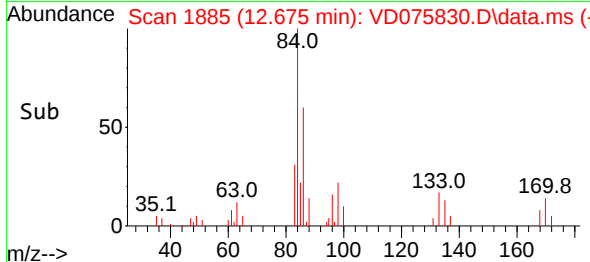
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT2-2023-04



Tgt Ion: 83 Resp: 4549
Ion Ratio Lower Upper
83 100
85 71.2 45.1 83.7
131 14.3 7.0 10.6

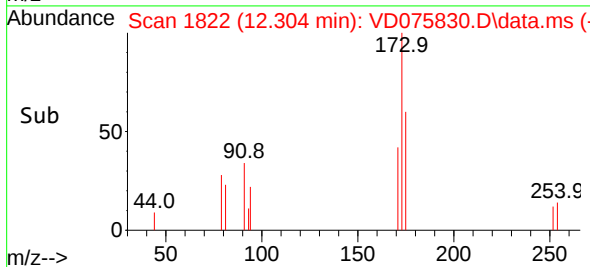
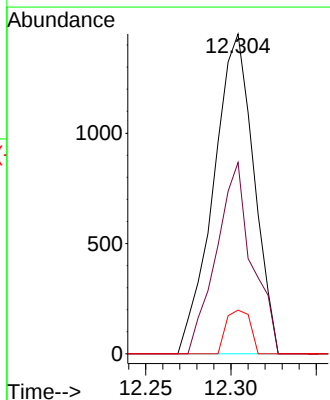
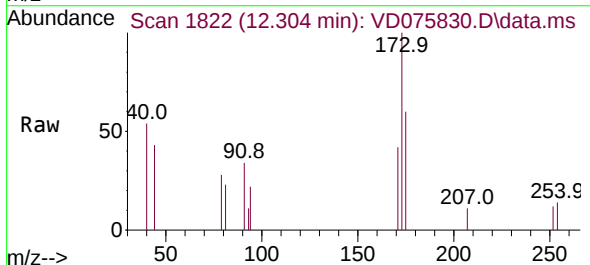
Manual Integrations
APPROVED

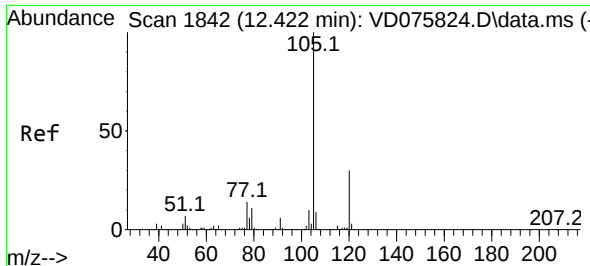
Reviewed By :Krupa Patel 04/27/2023
Supervised By :Semsettin Yesilyurt 05/01/2023



#59
Bromoform
Concen: 1.112 ug/L
RT: 12.304 min Scan# 1822
Delta R.T. 0.006 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

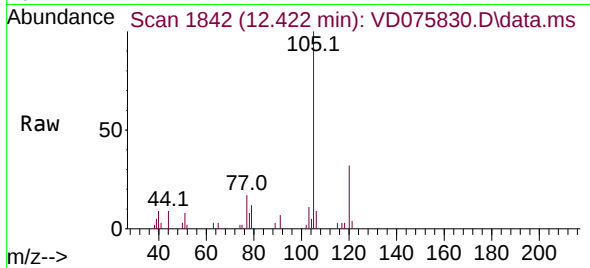
Tgt Ion:173 Resp: 2387
Ion Ratio Lower Upper
173 100
175 53.0 39.4 59.0
254 8.1 7.4 11.2





#60
Isopropylbenzene
Concen: 0.906 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

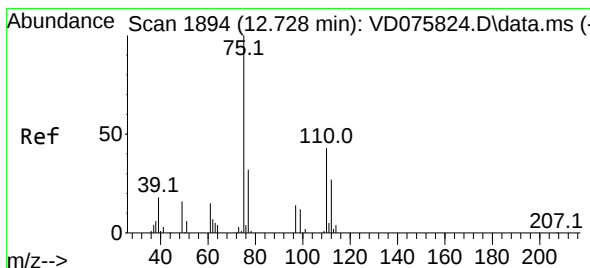
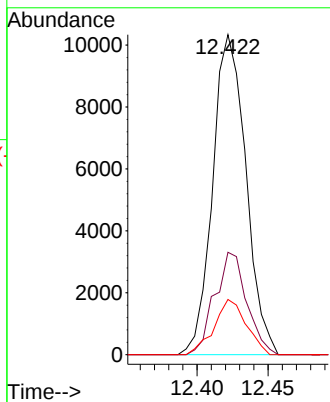
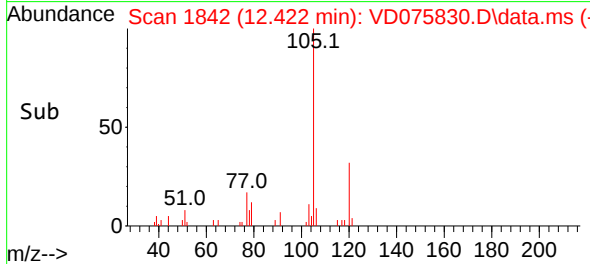
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT2-2023-04



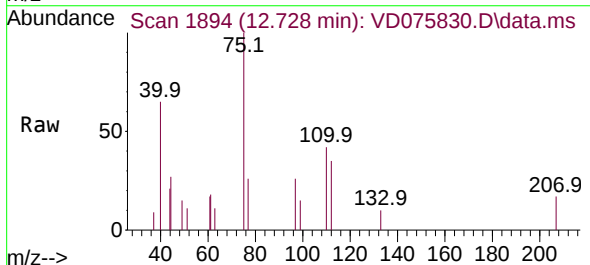
Tgt Ion: 105 Resp: 1683
Ion Ratio Lower Upper
105 100
120 30.7 22.7 34.1
77 16.7 10.9 16.3

Manual Integrations
APPROVED

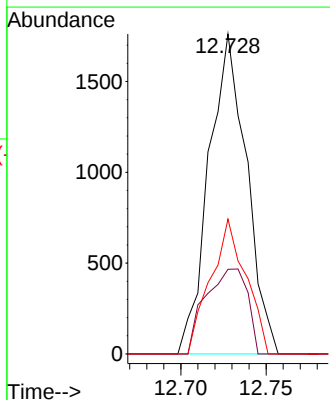
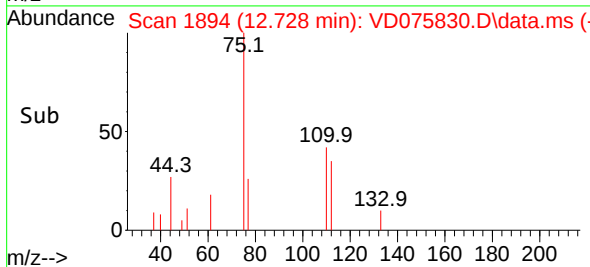
Reviewed By :Krupa Patel 04/27/2023
Supervised By :Semsettin Yesilyurt 05/01/2023

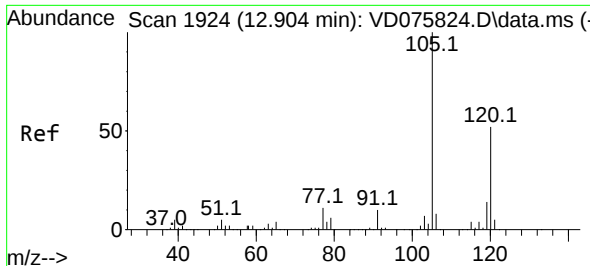


#61
1,2,3-Trichloropropane
Concen: 1.232 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50



Tgt Ion: 75 Resp: 2712
Ion Ratio Lower Upper
75 100
77 29.4 26.6 39.8
110 39.5 33.5 50.3





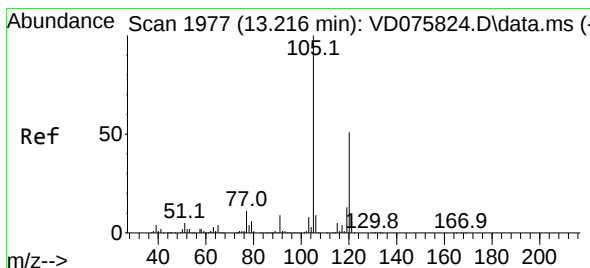
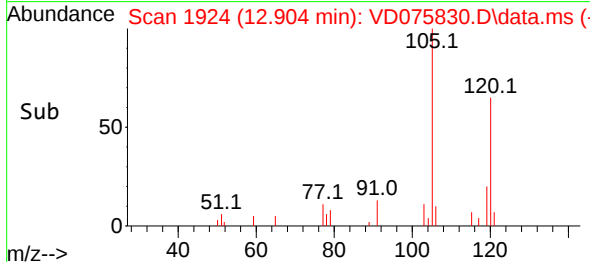
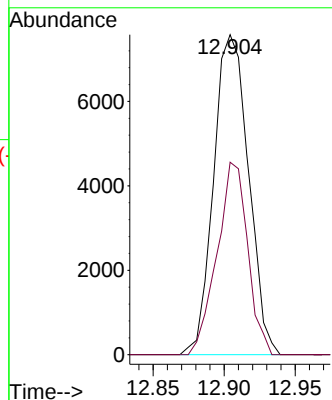
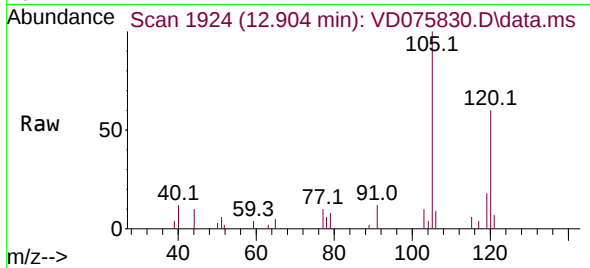
#62
1,3,5-Trimethylbenzene
Concen: 0.932 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-04

Tgt Ion:105 Resp: 1291
Ion Ratio Lower Upper
105 100
120 53.0 42.0 63.0

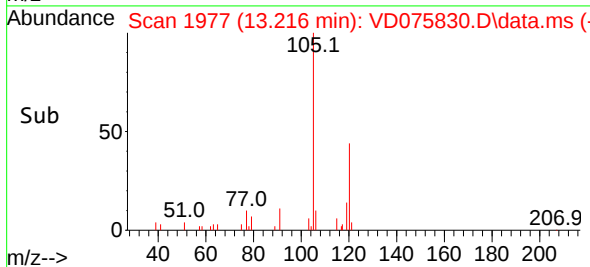
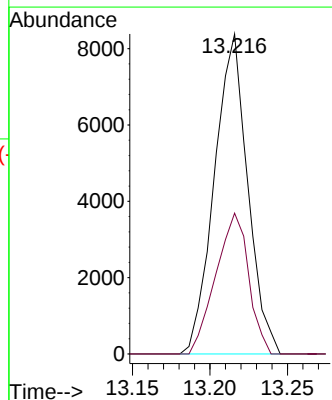
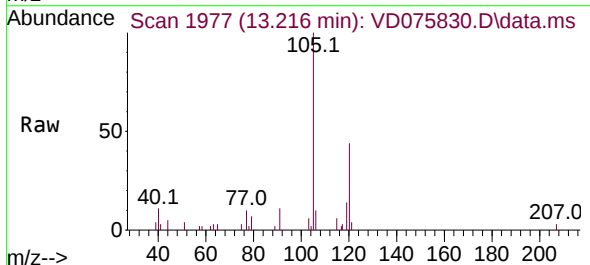
Manual Integrations
APPROVED

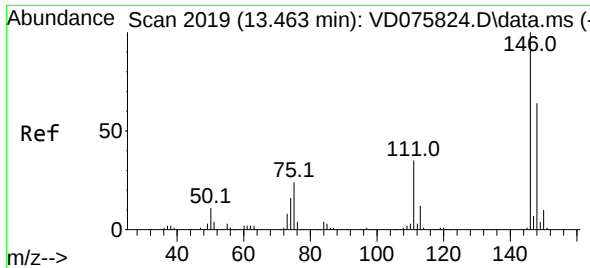
Reviewed By :Krupa Patel 04/27/2023
Supervised By :Semsettin Yesilyurt 05/01/2023



#63
1,2,4-Trimethylbenzene
Concen: 0.936 ug/L
RT: 13.216 min Scan# 1977
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

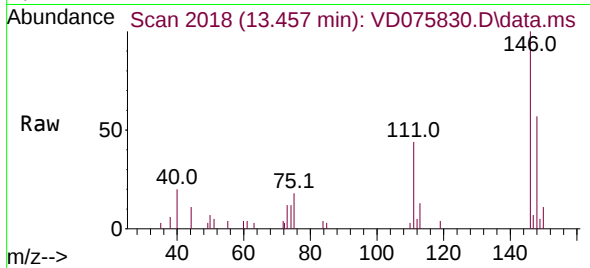
Tgt Ion:105 Resp: 12504
Ion Ratio Lower Upper
105 100
120 43.3 39.0 58.6





#64
1,3-Dichlorobenzene
Concen: 1.119 ug/L
RT: 13.457 min Scan# 2019
Delta R.T. -0.006 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

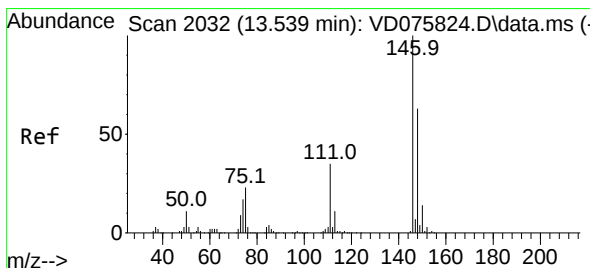
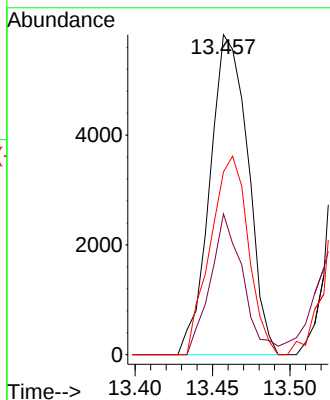
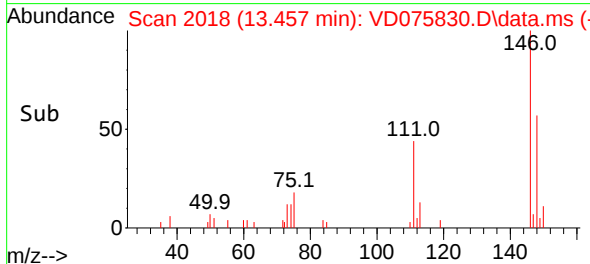
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-04



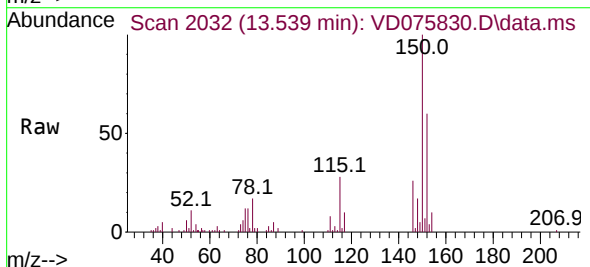
Tgt Ion:146 Resp: 9950
Ion Ratio Lower Upper
146 100
111 44.0 26.5 49.1
148 57.1 43.8 81.3

Manual Integrations
APPROVED

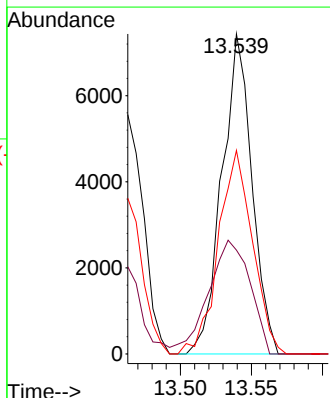
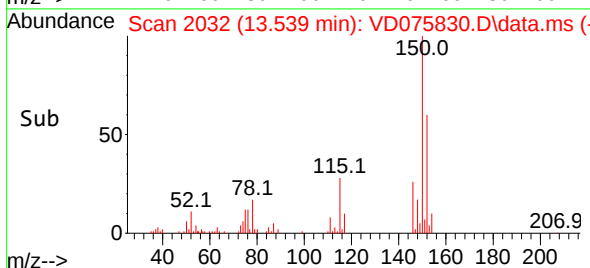
Reviewed By :Krupa Patel 04/27/2023
Supervised By :Semsettin Yesilyurt 05/01/2023

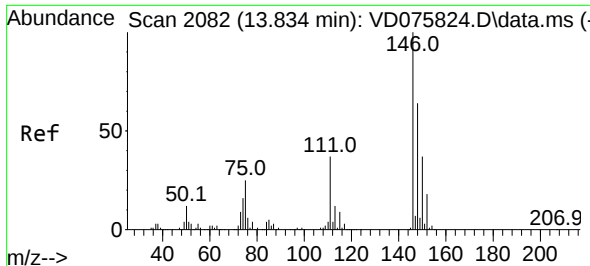


#65
1,4-Dichlorobenzene
Concen: 1.173 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50



Tgt Ion:146 Resp: 10940
Ion Ratio Lower Upper
146 100
111 32.4 24.6 45.8
148 63.6 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 1.200 ug/L

RT: 13.833 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD075830.D

Acq: 26 Apr 2023 12:50

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2023-04

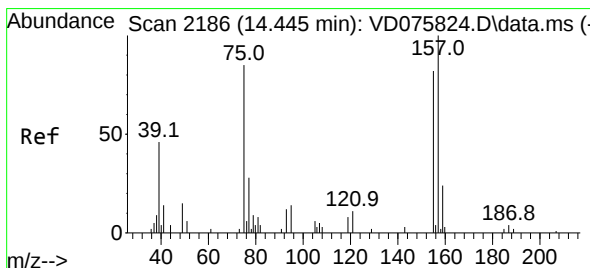
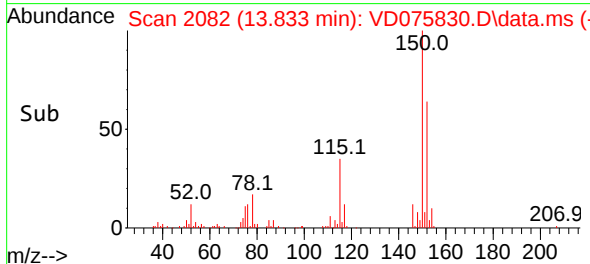
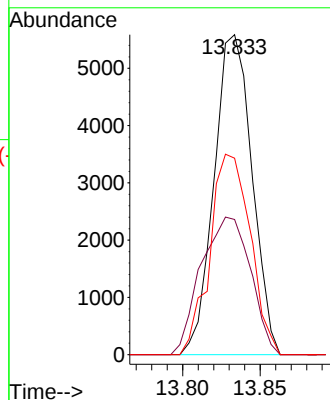
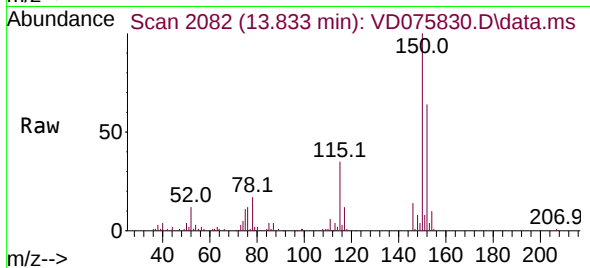
Tgt Ion:	146	Resp:	952
Ion Ratio	Lower	Upper	
146	100		
111	42.3	30.6	46.0
148	61.4	51.4	77.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/27/2023

Supervised By :Semsettin Yesilyurt 05/01/2023



#68

1,2-Dibromo-3-chloropropane

Concen: 0.893 ug/L m

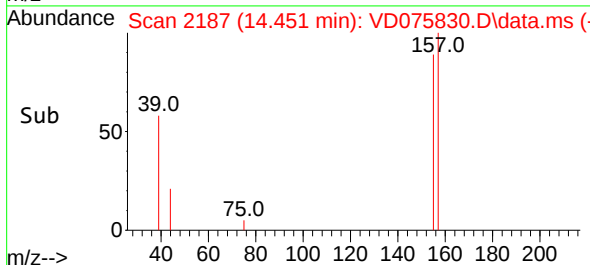
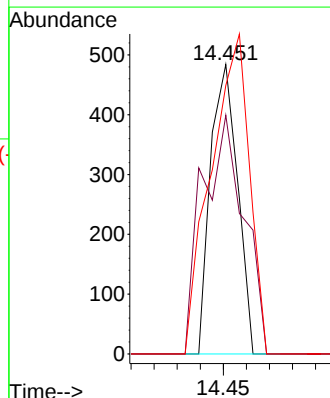
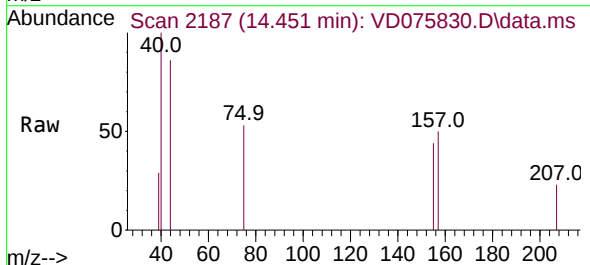
RT: 14.451 min Scan# 2187

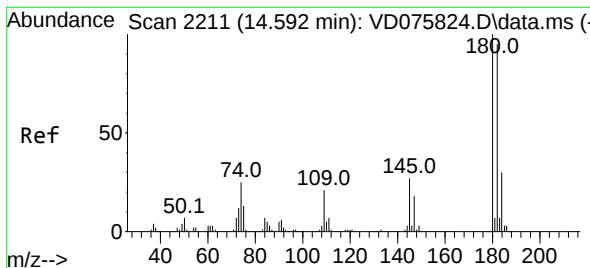
Delta R.T. 0.006 min

Lab File: VD075830.D

Acq: 26 Apr 2023 12:50

Tgt Ion:	75	Resp:	393
Ion Ratio	Lower	Upper	
75	100		
155	82.4	74.6	111.8
157	92.8	109.4	164.2





#69

1,3,5-Trichlorobenzene

Concen: 1.007 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. -0.000 min

Lab File: VD075830.D

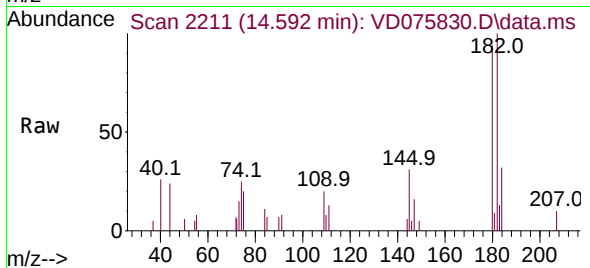
Acq: 26 Apr 2023 12:50

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2023-04



Tgt Ion:180 Resp: 5998

Ion Ratio Lower Upper

180 100

182 101.6 74.9 112.3

184 31.9 25.0 37.4

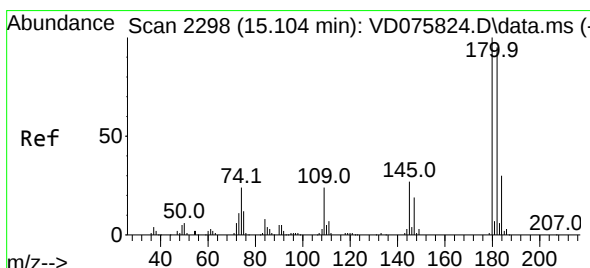
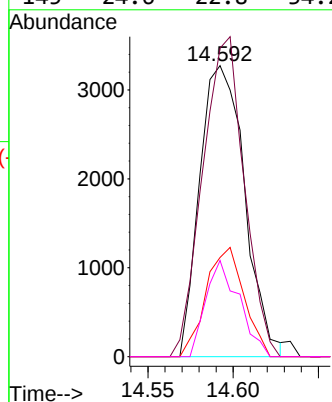
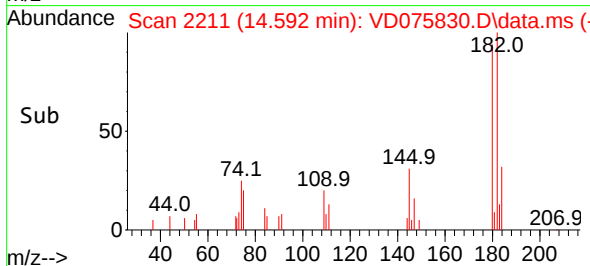
145 24.6 22.8 34.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/27/2023

Supervised By :Semsettin Yesilyurt 05/01/2023



#70

1,2,4-trichlorobenzene

Concen: 0.987 ug/L

RT: 15.104 min Scan# 2298

Delta R.T. -0.000 min

Lab File: VD075830.D

Acq: 26 Apr 2023 12:50

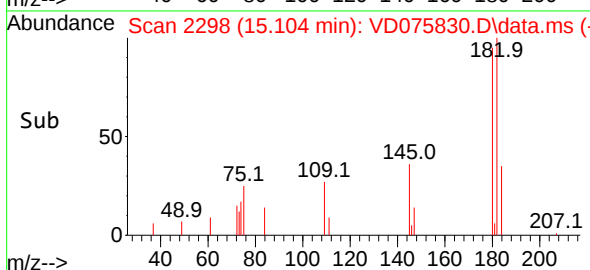
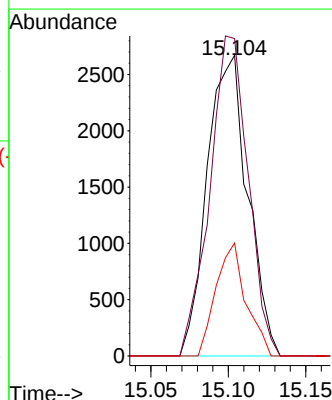
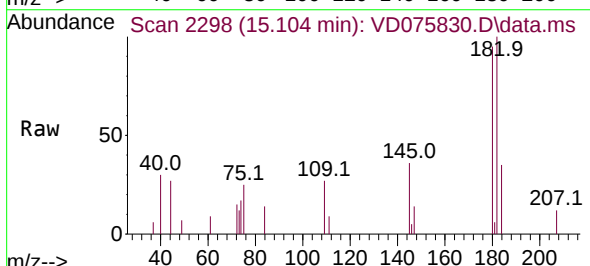
Tgt Ion:180 Resp: 4872

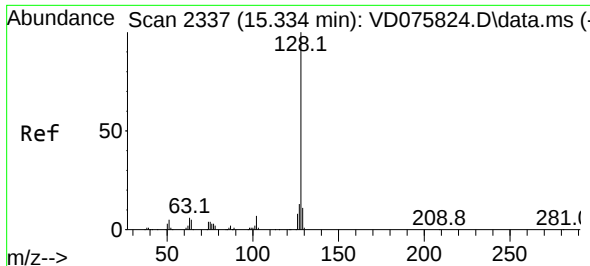
Ion Ratio Lower Upper

180 100

182 100.3 75.4 113.2

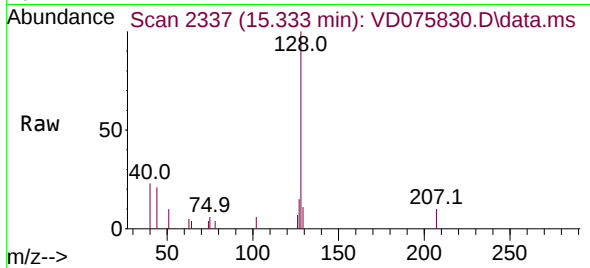
145 27.7 23.6 35.4





#71
Naphthalene
Concen: 0.944 ug/L
RT: 15.333 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50

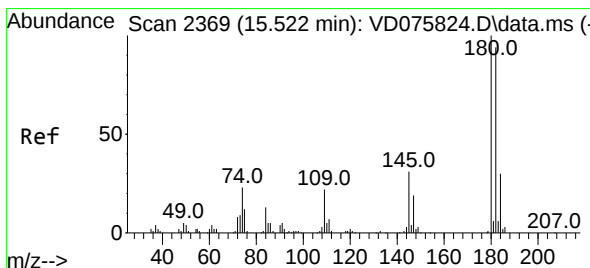
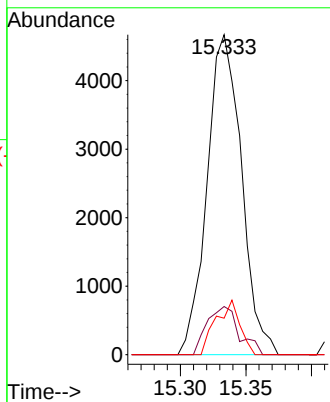
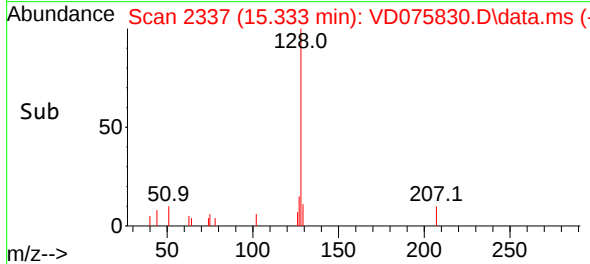
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-04



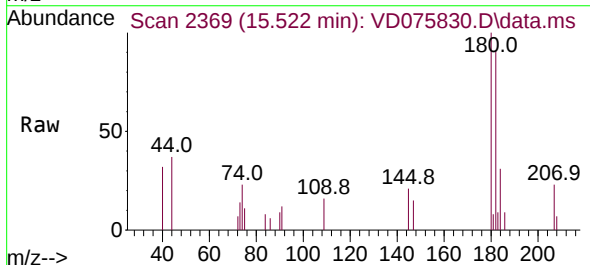
Tgt Ion:128 Resp: 853
Ion Ratio Lower Upper
128 100
127 12.2 10.5 15.7
129 11.9 9.1 13.7

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 04/27/2023
Supervised By :Semsettin Yesilyurt 05/01/2023



#72
1,2,3-Trichlorobenzene
Concen: 0.944 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. -0.000 min
Lab File: VD075830.D
Acq: 26 Apr 2023 12:50



Tgt Ion:180 Resp: 4158
Ion Ratio Lower Upper
180 100
182 96.8 76.3 114.5
145 32.6 25.0 37.6

