

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080423\
 Data File : VD076923.D
 Acq On : 04 Aug 2023 13:13
 Operator : KP/SY
 Sample : 03573-04
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT3-2023-06

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/07/2023
 Supervised By :Semsettin Yesilyurt 08/07/2023

Quant Time: Aug 05 00:17:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM080323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 04 02:21:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	268056	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	266044	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	123857	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	147744	20.042	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.160%
7) Chloroethane-d5	2.799	69	144200	21.160	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.640%
11) 1,1-Dichloroethene-d2	3.917	65	34739	19.888	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.560%
21) 2-Butanone-d5	6.987	46	51362	43.397	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.800%
24) Chloroform-d	7.563	84	189670	21.729	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.920%
26) 1,2-Dichloroethane-d4	8.228	65	96382	22.150	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.600%
32) Benzene-d6	8.199	84	384862	23.009	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.040%
36) 1,2-Dichloropropane-d6	9.205	67	118325	23.008	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.040%
41) Toluene-d8	10.269	98	352019	22.954	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.800%
43) trans-1,3-Dichloroprop...	10.528	79	49308	21.207	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.840%
47) 2-Hexanone-d5	10.875	63	43450	44.229	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.460%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	105242	21.178	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.720%
66) 1,2-Dichlorobenzene-d4	13.816	152	106979	23.625	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.520%
Target Compounds						
2) Dichlorodifluoromethane	1.928	85	4432	0.998	ug/L	95
3) Chloromethane	2.146	50	6073	1.054	ug/L #	70
5) Vinyl chloride	2.281	62	8165	0.991	ug/L #	65
6) Bromomethane	2.693	94	6471	1.052	ug/L	77
8) Chloroethane	2.828	64	5378	0.969	ug/L	83
9) Trichlorofluoromethane	3.170	101	6161m	0.903	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	5511m	1.239	ug/L	
12) 1,1-Dichloroethene	3.934	96	5309	1.346	ug/L #	1
13) Acetone	4.028	43	3150m	2.603	ug/L	
14) Carbon disulfide	4.275	76	12017m	0.878	ug/L	
15) Methyl Acetate	4.575	43	1906m	0.932	ug/L	
16) Methylene chloride	4.799	84	33205	5.905	ug/L	79
17) trans-1,2-Dichloroethene	5.311	96	4196m	0.940	ug/L	
18) Methyl tert-butyl Ether	5.322	73	7891m	0.800	ug/L	
19) 1,1-Dichloroethane	6.105	63	6919	0.928	ug/L #	84
20) cis-1,2-Dichloroethene	7.081	96	3961m	0.795	ug/L	
22) 2-Butanone	7.069	43	4626m	2.732	ug/L	
23) Bromochloromethane	7.416	128	2268m	0.938	ug/L	
25) Chloroform	7.593	83	12786	1.566	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.316	62	5173	1.011	ug/L	96
29) Cyclohexane	7.875	56	4830m	0.825	ug/L	
30) 1,1,1-Trichloroethane	7.793	97	5667	0.860	ug/L #	75
31) Carbon tetrachloride	7.993	117	4815m	0.892	ug/L	
33) Benzene	8.252	78	15548	0.892	ug/L	100
34) Trichloroethene	9.022	95	5382	1.185	ug/L	86
35) Methylcyclohexane	9.269	83	6117	0.826	ug/L	90
37) 1,2-Dichloropropane	9.299	63	3667	0.828	ug/L	98
38) Bromodichloromethane	9.581	83	5403	0.886	ug/L	98
39) cis-1,3-Dichloropropene	10.016	75	6035	0.844	ug/L	95
40) 4-Methyl-2-pentanone	10.152	43	4697	1.683	ug/L #	95
42) Toluene	10.334	91	17155	0.905	ug/L	95
44) trans-1,3-Dichloropropene	10.557	75	7297	1.168	ug/L	90
45) 1,1,2-Trichloroethane	10.734	97	3336	0.847	ug/L #	85
46) Tetrachloroethene	10.804	164	2992	0.874	ug/L	86
48) 2-Hexanone	10.922	43	3311	1.543	ug/L #	91
49) Dibromochloromethane	11.075	129	3833	0.875	ug/L #	65
50) 1,2-Dibromoethane	11.181	107	3312	0.863	ug/L #	41
51) Chlorobenzene	11.610	112	10583	0.857	ug/L	94
52) Ethylbenzene	11.687	91	16806	0.832	ug/L	99
53) m,p-Xylene	11.793	106	5671	0.727	ug/L	96
54) o-Xylene	12.122	106	5973	0.797	ug/L	79
55) Styrene	12.140	104	9936	0.733	ug/L	85
57) 1,1,2,2-Tetrachloroethane	12.669	83	4455	0.915	ug/L #	93
59) Bromoform	12.299	173	1899	0.773	ug/L #	76
60) Isopropylbenzene	12.422	105	14380	0.807	ug/L	98
61) 1,2,3-Trichloropropane	12.728	75	2942	1.018	ug/L #	89
62) 1,3,5-Trimethylbenzene	12.904	105	10884	0.802	ug/L	98
63) 1,2,4-Trimethylbenzene	13.216	105	10388	0.769	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	7438	0.915	ug/L	91
65) 1,4-Dichlorobenzene	13.534	146	8465	1.007	ug/L	94
67) 1,2-Dichlorobenzene	13.834	146	7586	0.995	ug/L #	93
68) 1,2-Dibromo-3-chloropr...	14.440	75	803m	1.212	ug/L	
69) 1,3,5-Trichlorobenzene	14.587	180	4578	0.900	ug/L	94
70) 1,2,4-trichlorobenzene	15.098	180	4564	1.020	ug/L	94
71) Naphthalene	15.334	128	9929	0.944	ug/L #	89
72) 1,2,3-Trichlorobenzene	15.522	180	3761m	0.927	ug/L	

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

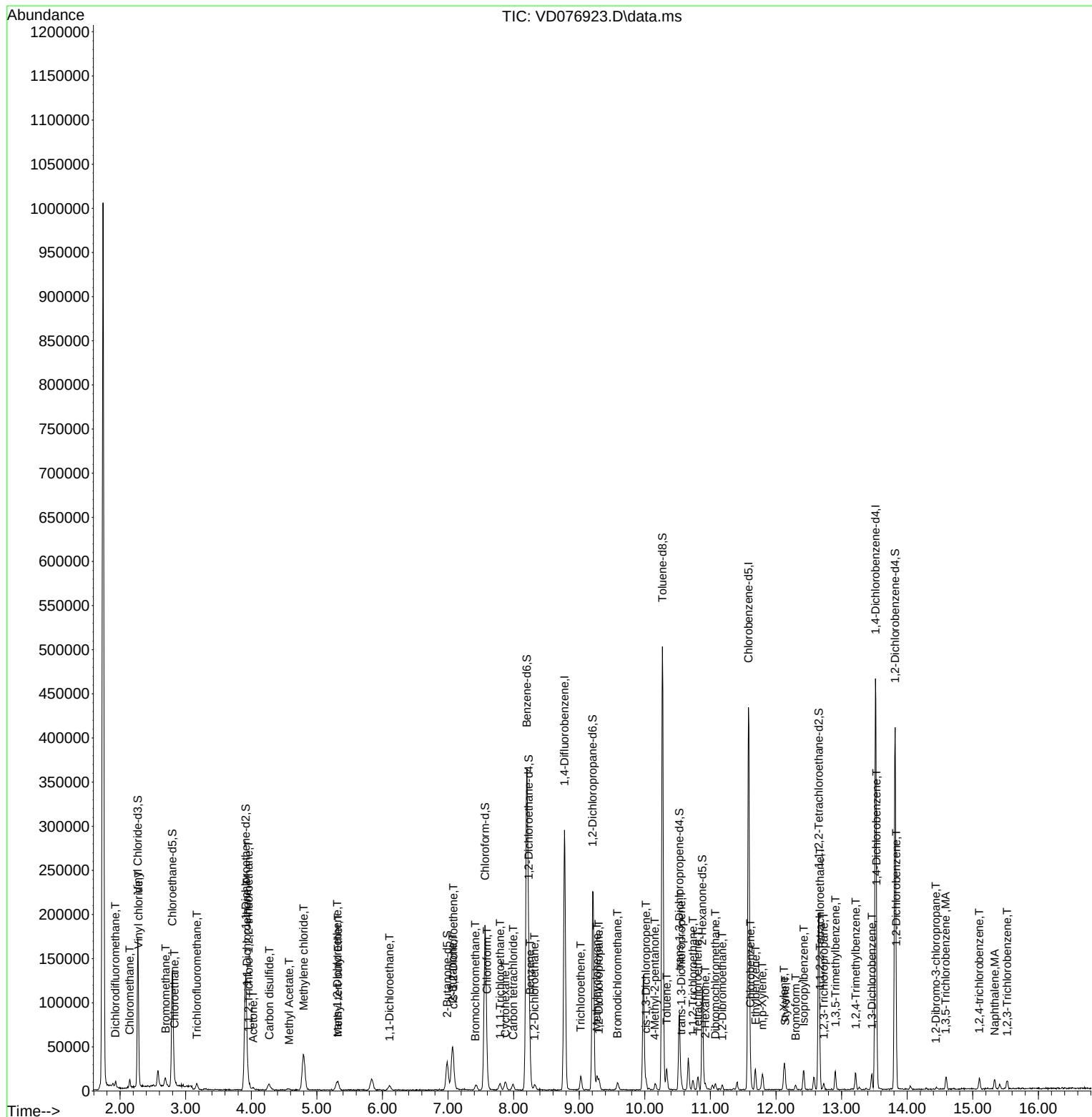
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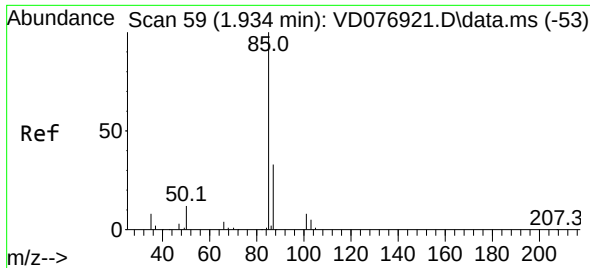
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Quant Time: Aug 05 00:17:12 2023
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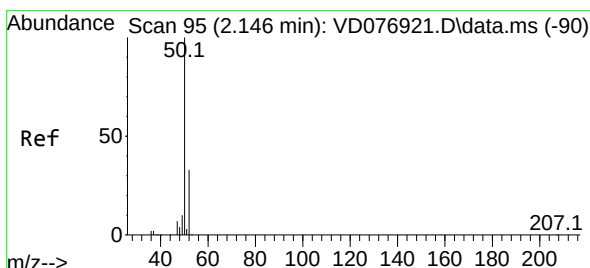
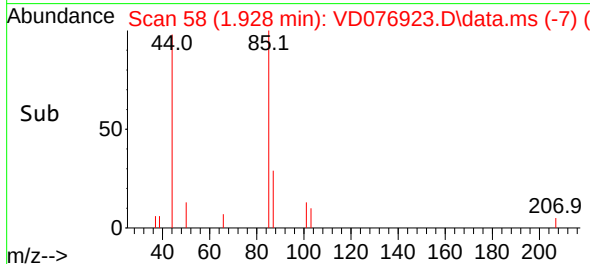
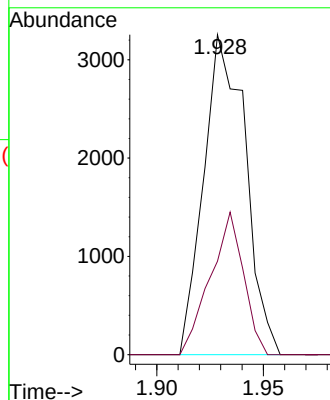
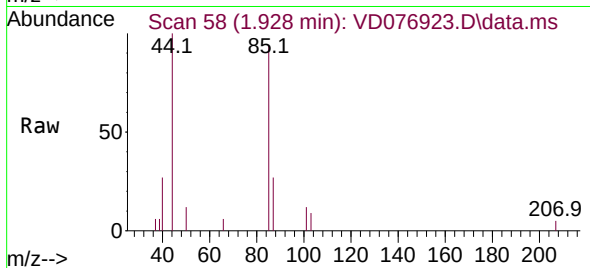
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Dichlorodifluoromethane
Concen: 0.998 ug/L
RT: 1.928 min Scan# 51
Delta R.T. 0.000 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-06

Tgt Ion: 85 Resp: 443
Ion Ratio Lower Upper
85 100
87 35.5 26.3 39.5

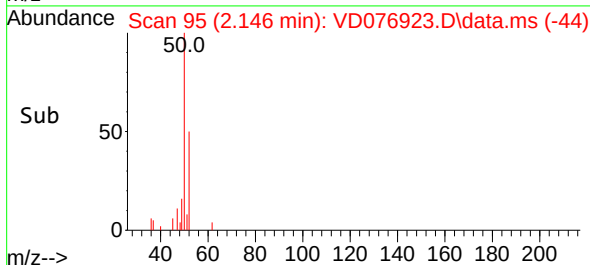
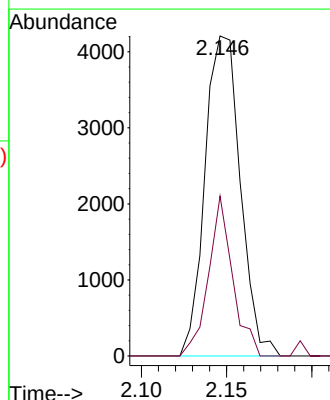
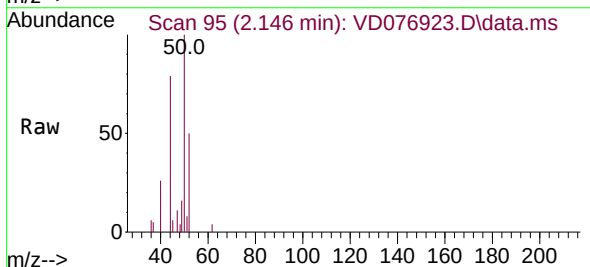
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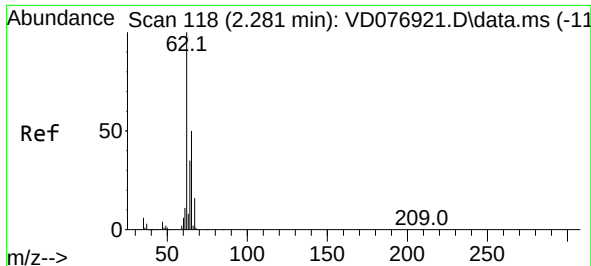
Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023



#3
Chloromethane
Concen: 1.054 ug/L
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

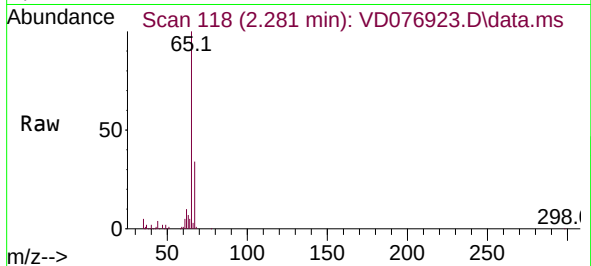
Tgt Ion: 50 Resp: 6073
Ion Ratio Lower Upper
50 100
52 50.0 23.2 43.2#





#5
Vinyl chloride
Concen: 0.991 ug/L
RT: 2.281 min Scan# 118
Delta R.T. 0.000 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

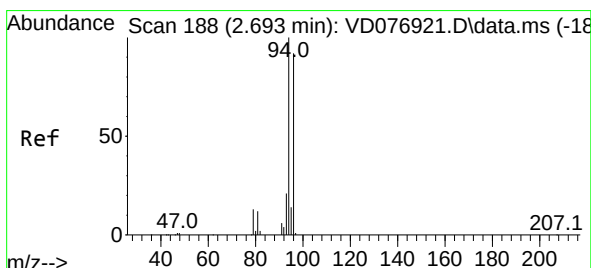
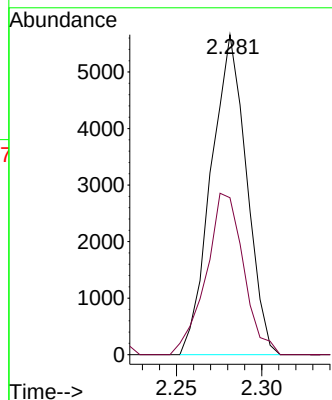
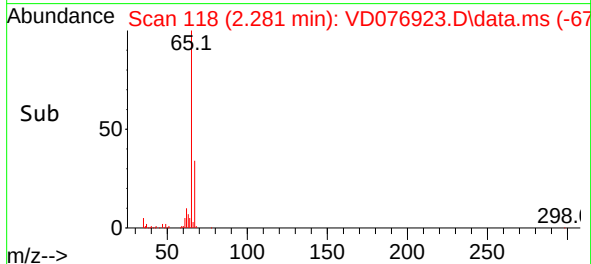
Instrument :
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Tgt Ion: 62 Resp: 816
Ion Ratio Lower Upper
62 100
64 49.0 21.1 39.1

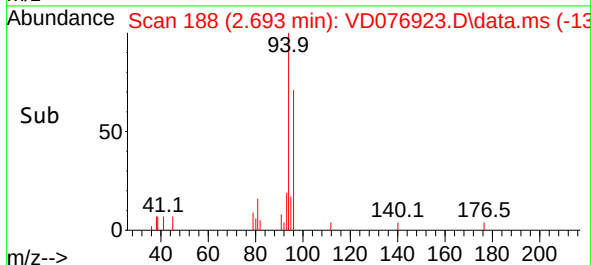
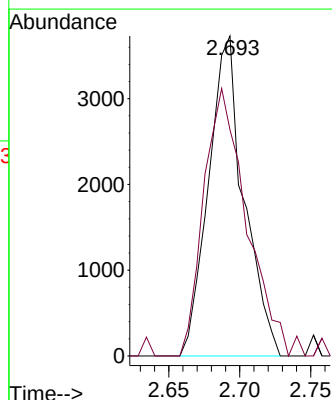
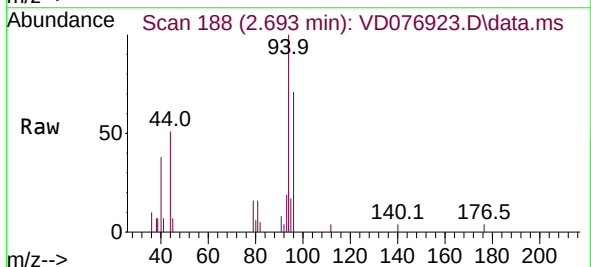
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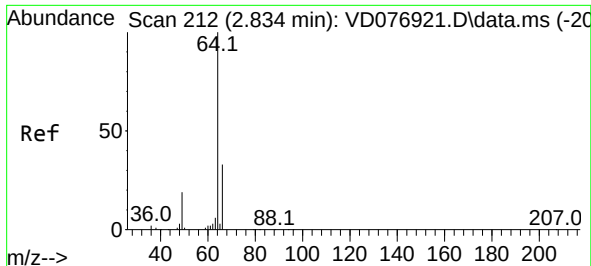
Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023



#6
Bromomethane
Concen: 1.052 ug/L
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

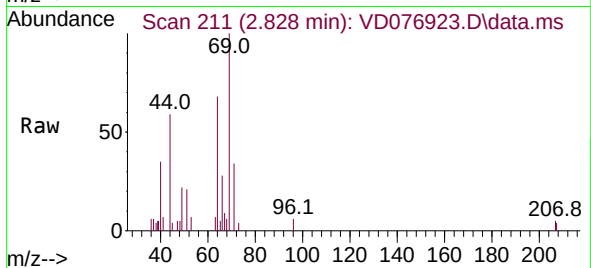
Tgt Ion: 94 Resp: 6471
Ion Ratio Lower Upper
94 100
96 70.7 64.7 120.1





#8
Chloroethane
Concen: 0.969 ug/L
RT: 2.828 min Scan# 211
Delta R.T. -0.006 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

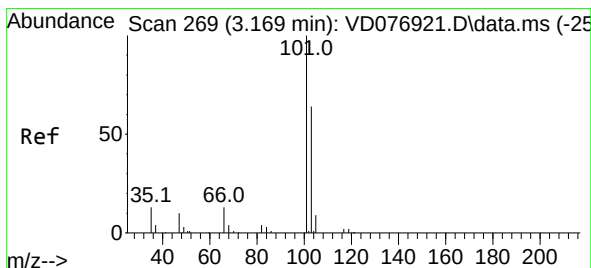
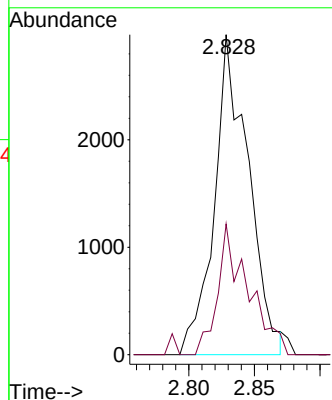
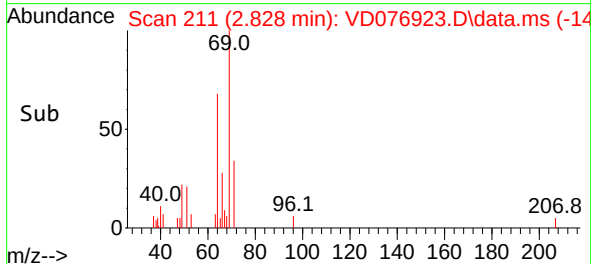
Instrument :
MSVOA_D
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MDL-SOIL-QT3-2023-06



Tgt Ion: 64 Resp: 5378
Ion Ratio Lower Upper
64 100
66 40.9 22.1 41.1

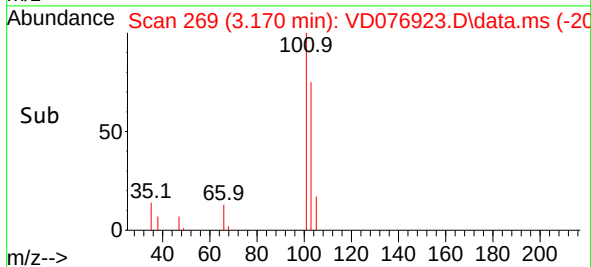
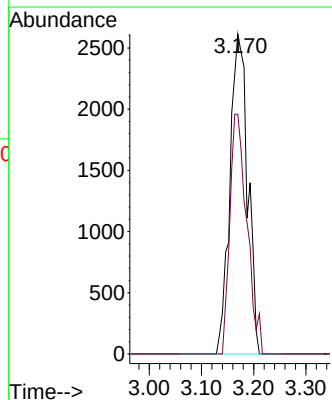
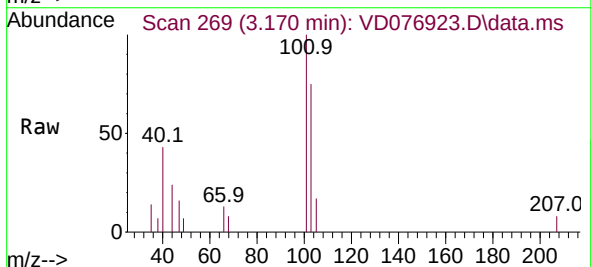
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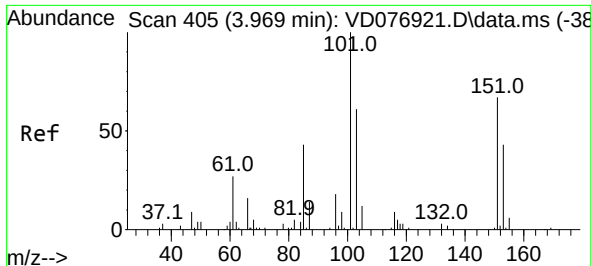
Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023



#9
Trichlorofluoromethane
Concen: 0.903 ug/L m
RT: 3.170 min Scan# 269
Delta R.T. 0.000 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

Tgt Ion:101 Resp: 6161
Ion Ratio Lower Upper
101 100
103 69.6 51.8 77.6





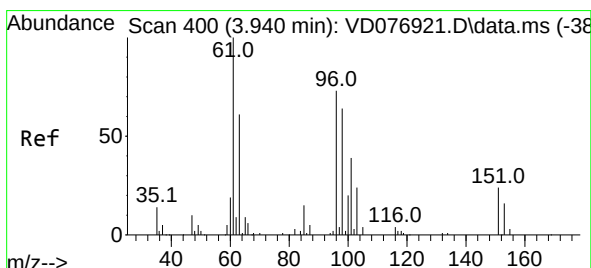
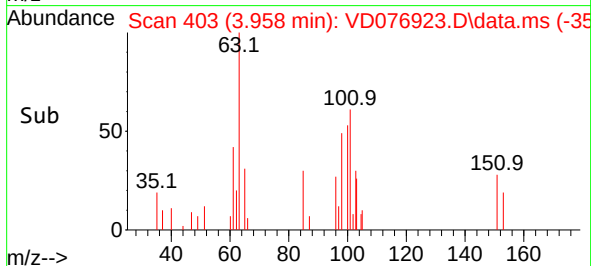
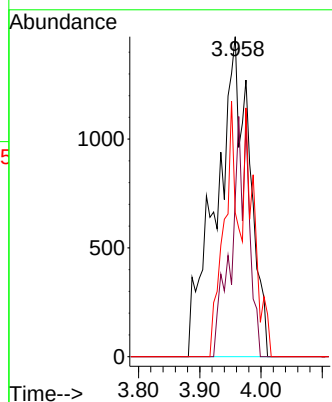
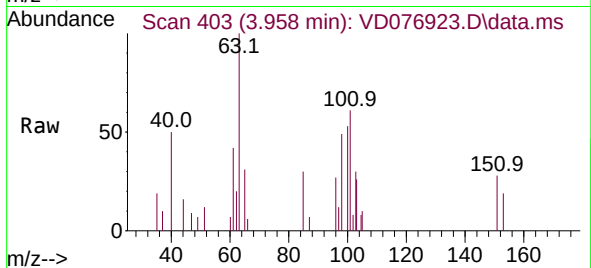
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.239 ug/L m
RT: 3.958 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD076923.D
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Tgt Ion:101 Resp: 551
Ion Ratio Lower Upper
101 100
85 9.3 35.5 53.3
151 0.0 58.6 87.8

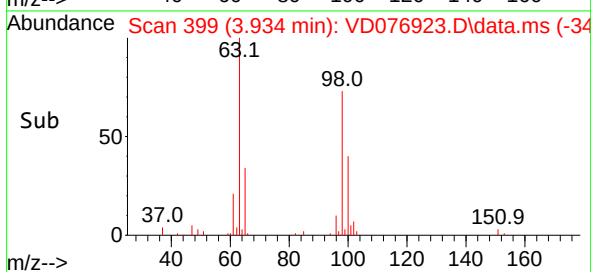
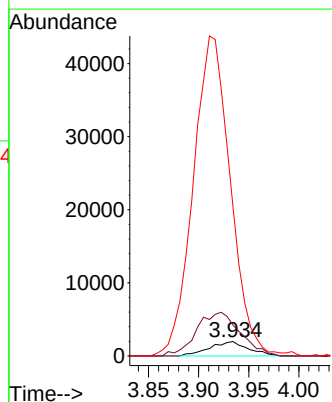
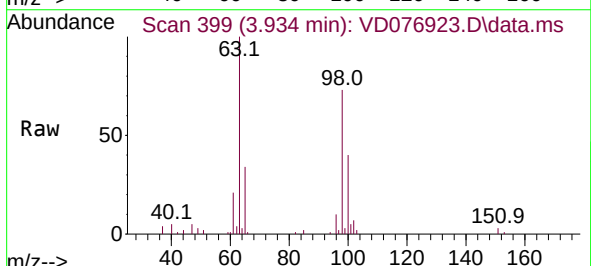
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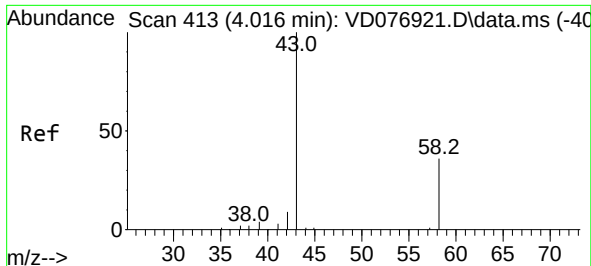
Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023



#12
1,1-Dichloroethene
Concen: 1.346 ug/L
RT: 3.934 min Scan# 399
Delta R.T. -0.006 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

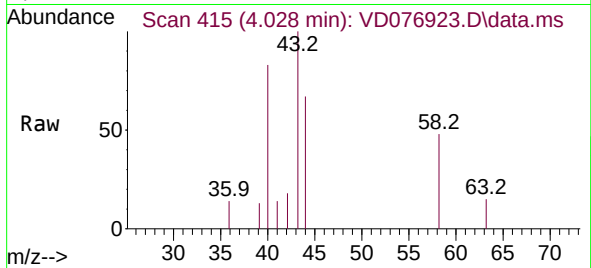
Tgt Ion: 96 Resp: 5309
Ion Ratio Lower Upper
96 100
61 213.4 113.0 209.8#
63 1032.0 83.6 155.2#





#13
Acetone
Concen: 2.603 ug/L m
RT: 4.028 min Scan# 413
Delta R.T. 0.012 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

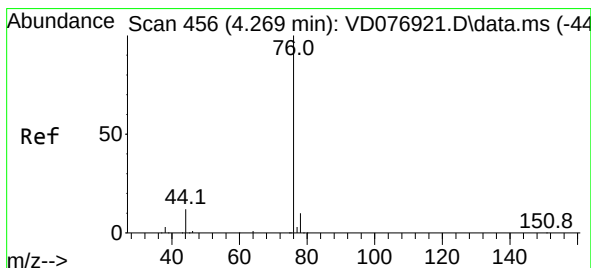
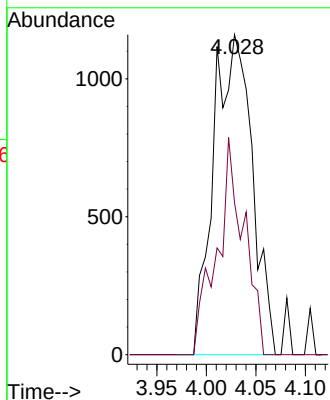
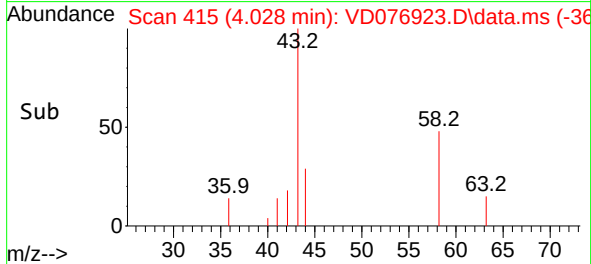
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Tgt Ion: 43 Resp: 3150
Ion Ratio Lower Upper
43 100
58 36.3 0.0 67.4

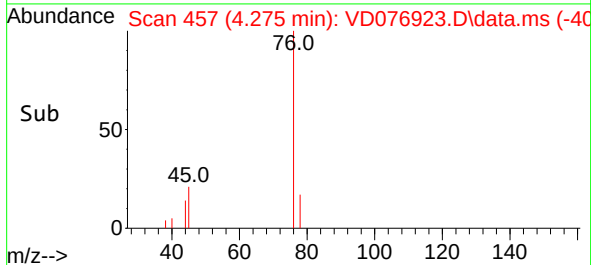
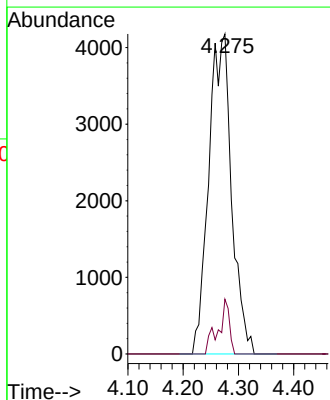
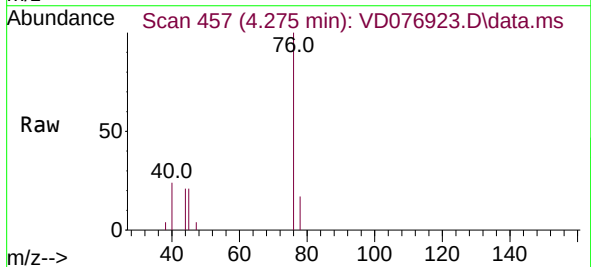
Manual Integrations
APPROVED

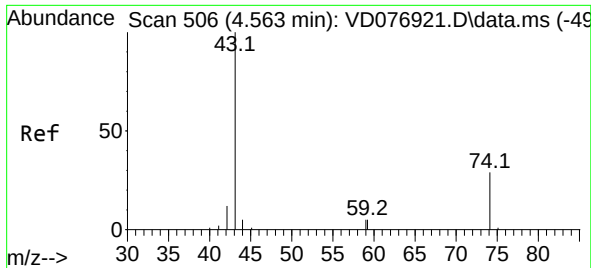
Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023



#14
Carbon disulfide
Concen: 0.878 ug/L m
RT: 4.275 min Scan# 457
Delta R.T. 0.006 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

Tgt Ion: 76 Resp: 12017
Ion Ratio Lower Upper
76 100
78 17.1 7.0 10.4#





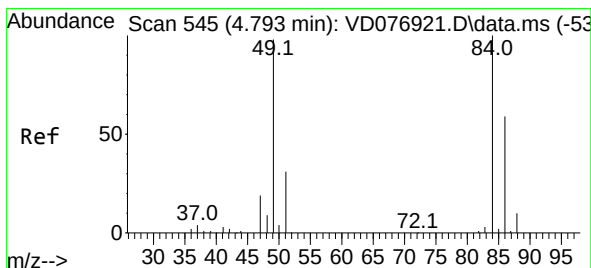
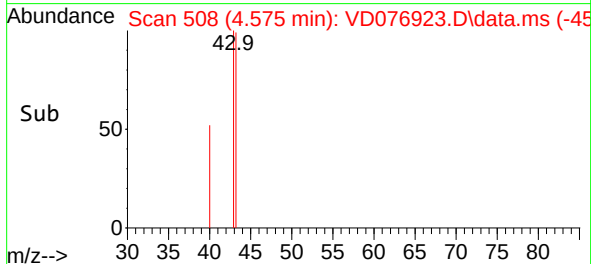
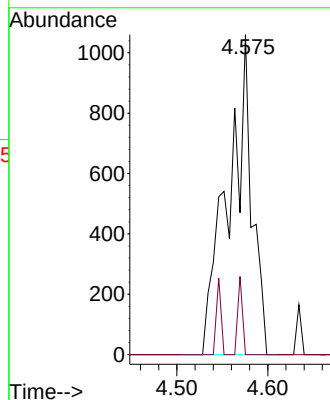
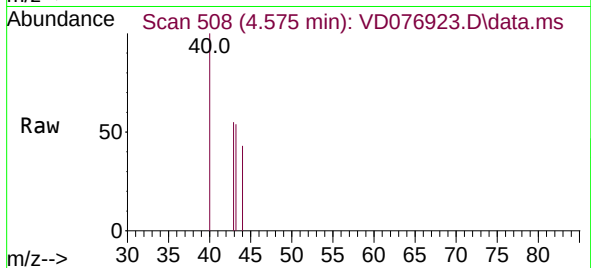
#15
Methyl Acetate
Concen: 0.932 ug/L m
RT: 4.575 min Scan# 508
Delta R.T. 0.018 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-06

Tgt Ion: 43 Resp: 1900
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.2

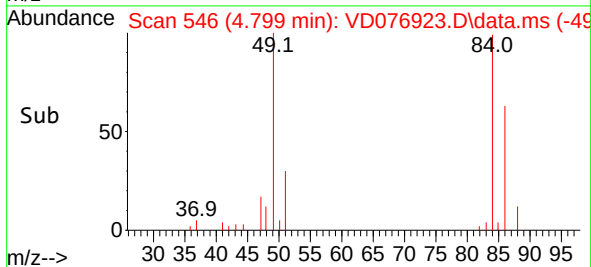
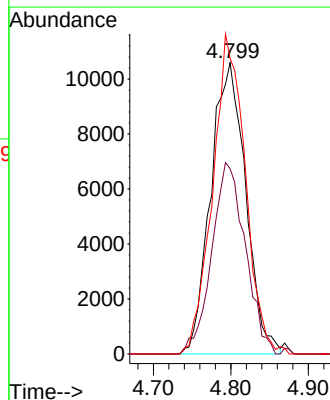
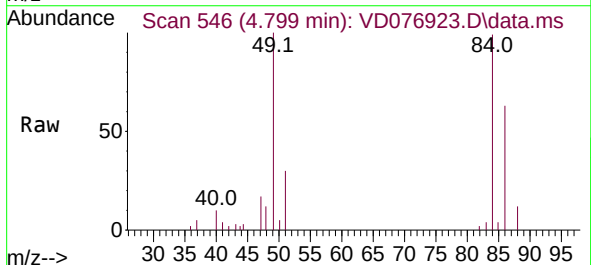
Manual Integrations
APPROVED

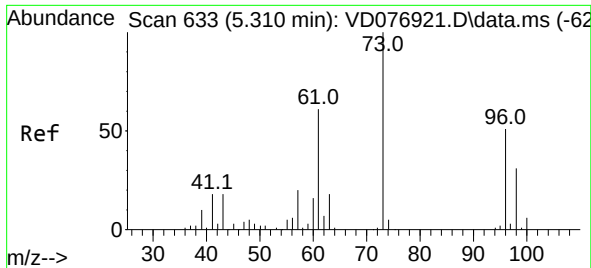
Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023



#16
Methylene chloride
Concen: 5.905 ug/L
RT: 4.799 min Scan# 546
Delta R.T. 0.000 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

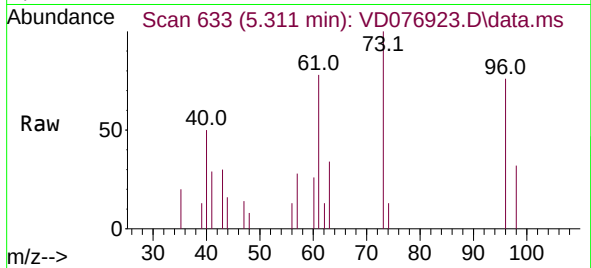
Tgt Ion: 84 Resp: 33205
Ion Ratio Lower Upper
84 100
86 63.6 45.1 83.9
49 101.4 97.2 180.6





#17
trans-1,2-Dichloroethene
Concen: 0.940 ug/L m
RT: 5.311 min Scan# 611
Delta R.T. 0.000 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

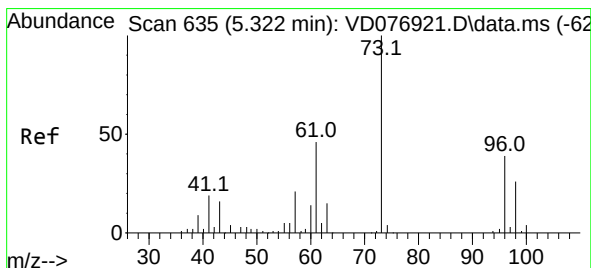
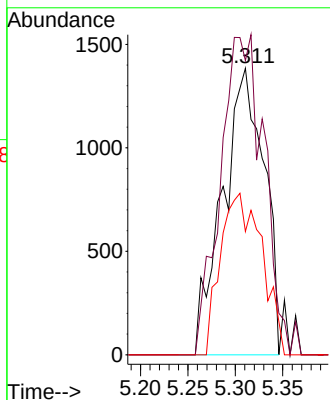
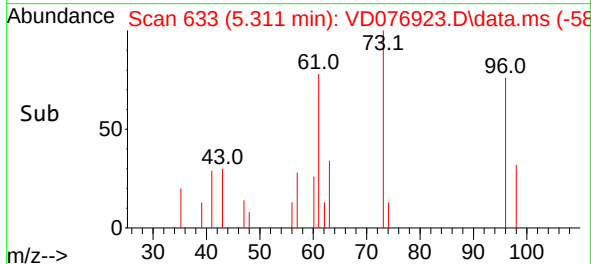
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion: 96 Resp: 4190
Ion Ratio Lower Upper
96 100
61 102.7 94.5 175.5
98 43.0 46.0 85.4

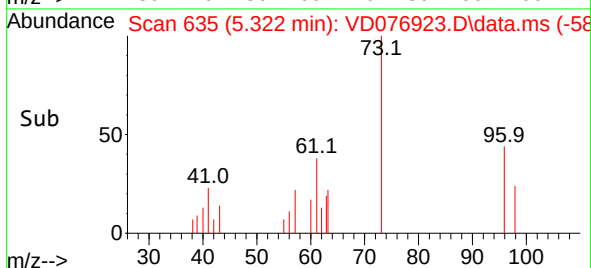
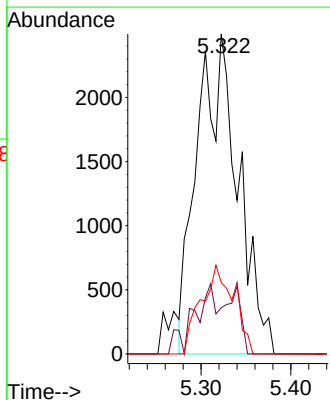
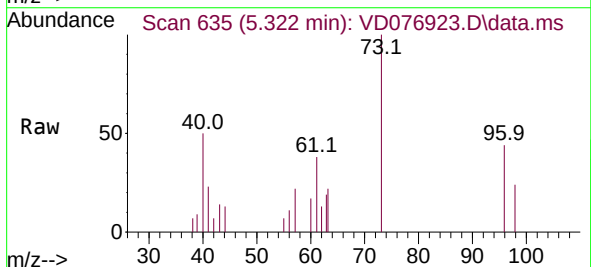
Manual Integrations
APPROVED

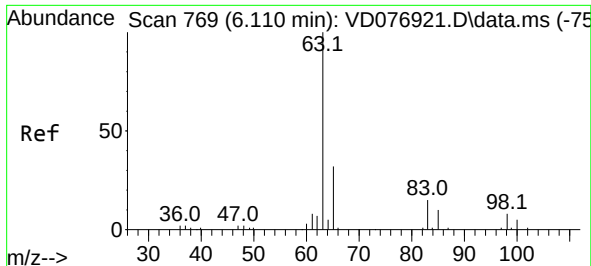
Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023



#18
Methyl tert-butyl Ether
Concen: 0.800 ug/L m
RT: 5.322 min Scan# 635
Delta R.T. 0.006 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

Tgt Ion: 73 Resp: 7891
Ion Ratio Lower Upper
73 100
43 5.8 7.2 10.8#
57 18.4 18.6 28.0#





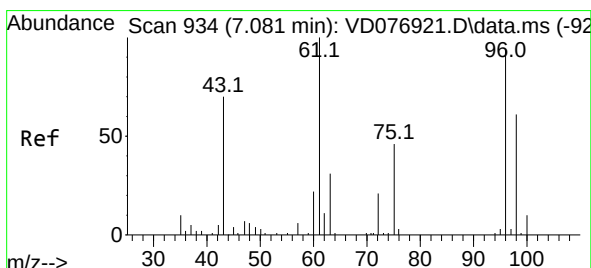
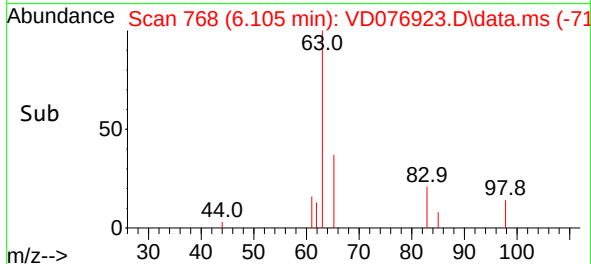
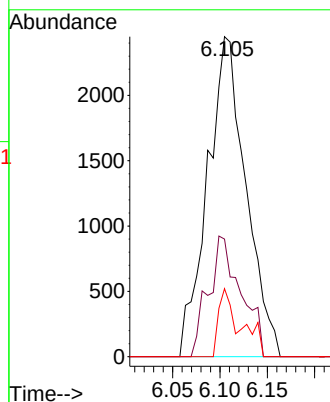
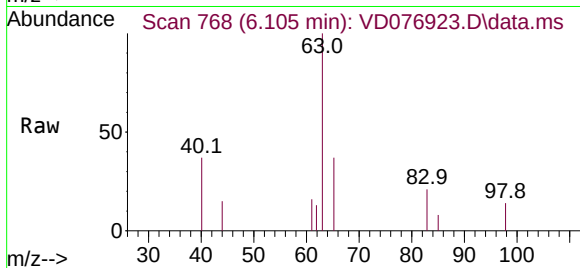
#19
1,1-Dichloroethane
Concen: 0.928 ug/L
RT: 6.105 min Scan# 768
Delta R.T. -0.006 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-06

Tgt Ion: 63 Resp: 6919
Ion Ratio Lower Upper
63 100
65 36.7 20.8 38.6
83 21.3 8.9 16.5

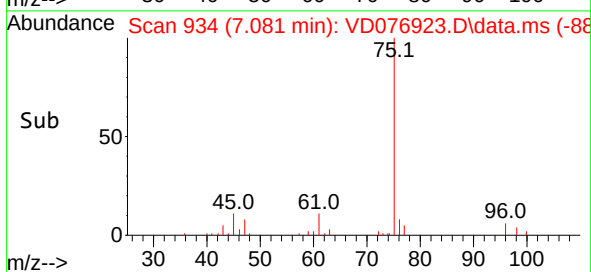
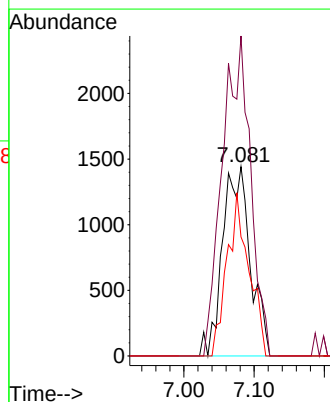
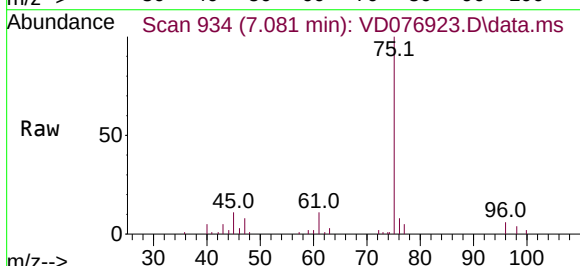
Manual Integrations
APPROVED

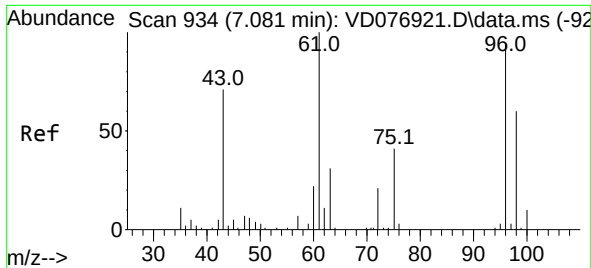
Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023



#20
cis-1,2-Dichloroethene
Concen: 0.795 ug/L m
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

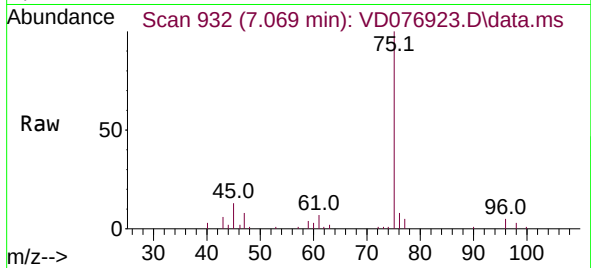
Tgt Ion: 96 Resp: 3961
Ion Ratio Lower Upper
96 100
61 169.1 86.0 159.6#
98 62.9 42.2 78.4





#22
2-Butanone
Concen: 2.732 ug/L m
RT: 7.069 min Scan# 911
Delta R.T. -0.012 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

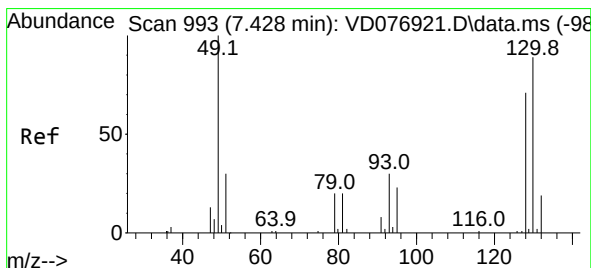
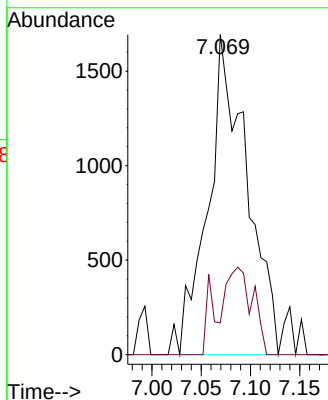
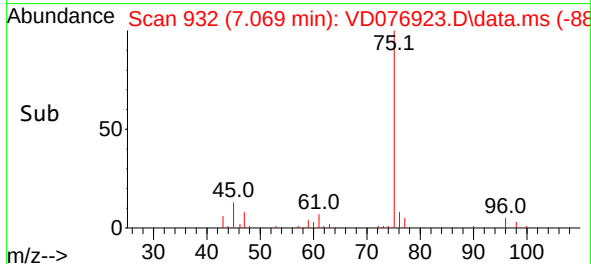
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT3-2023-06



Tgt Ion: 43 Resp: 4620
Ion Ratio Lower Upper
43 100
72 5.8 12.9 38.7

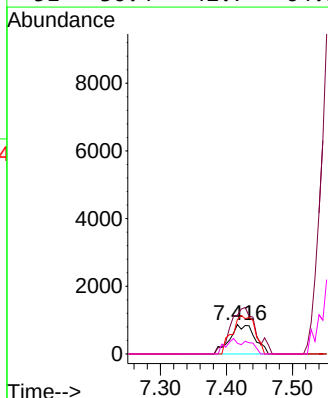
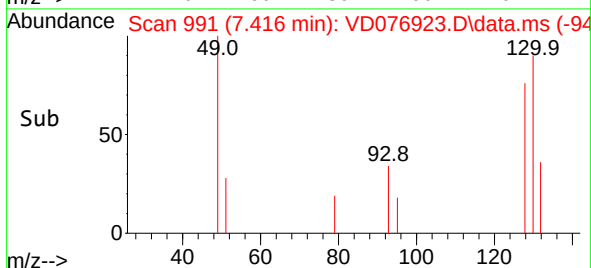
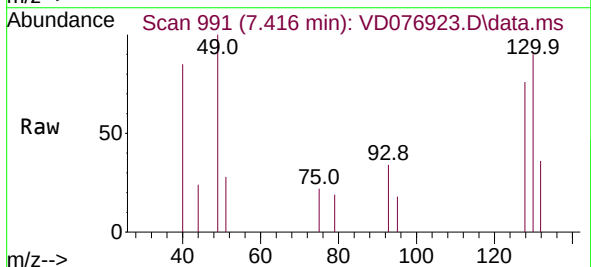
Manual Integrations
APPROVED

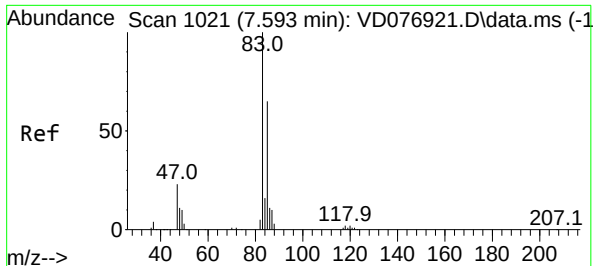
Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023



#23
Bromochloromethane
Concen: 0.938 ug/L m
RT: 7.416 min Scan# 991
Delta R.T. -0.006 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

Tgt Ion:128 Resp: 2268
Ion Ratio Lower Upper
128 100
49 130.7 124.7 231.7
130 117.2 80.0 148.6
51 36.4 42.7 64.1#





#25

Chloroform

Concen: 1.566 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VD076923.D

Acq: 04 Aug 2023 13:13

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT3-2023-06

Tgt Ion: 83 Resp: 1278

Ion Ratio Lower Upper

83 100

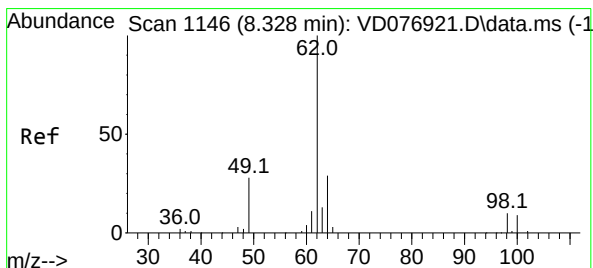
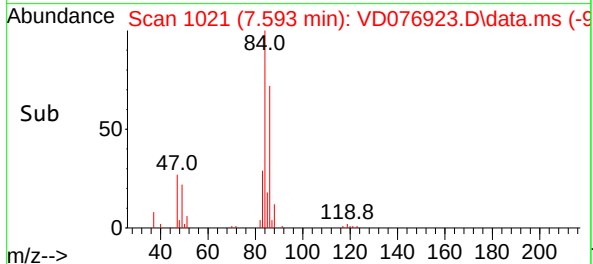
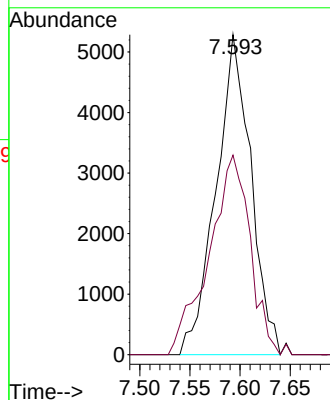
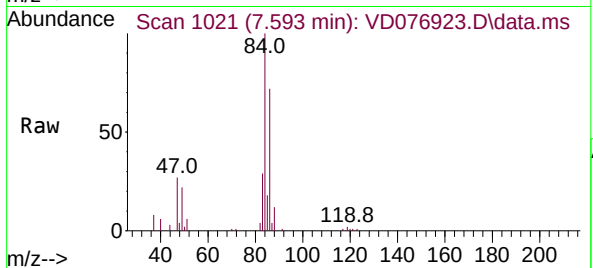
85 62.4 45.4 84.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/07/2023

Supervised By :Semsettin Yesilyurt 08/07/2023



#27

1,2-Dichloroethane

Concen: 1.011 ug/L

RT: 8.316 min Scan# 1144

Delta R.T. -0.012 min

Lab File: VD076923.D

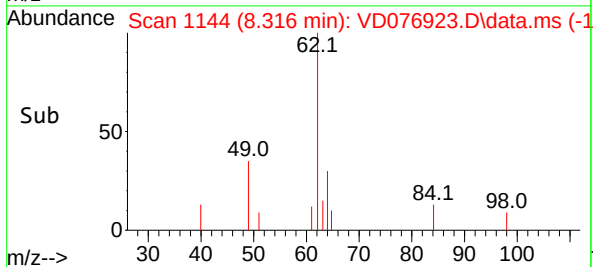
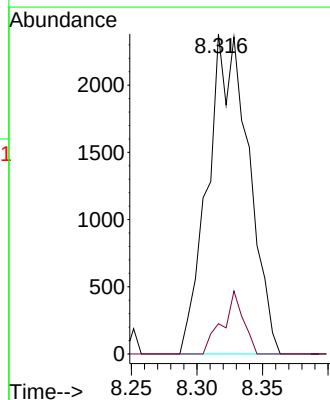
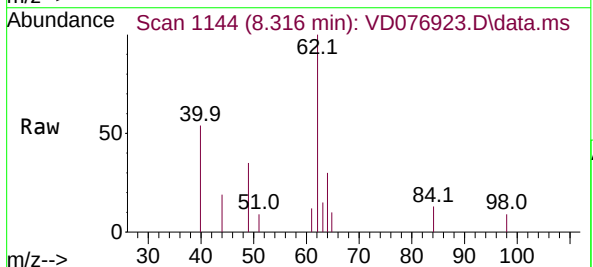
Acq: 04 Aug 2023 13:13

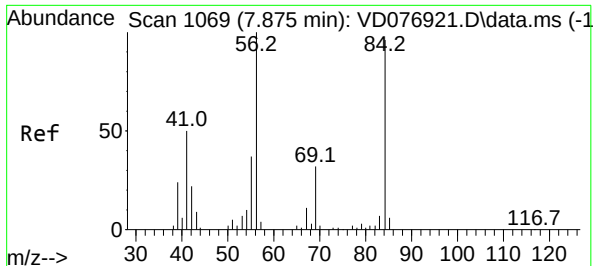
Tgt Ion: 62 Resp: 5173

Ion Ratio Lower Upper

62 100

98 9.4 8.7 13.1





#29

Cyclohexane

Concen: 0.825 ug/L m

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD076923.D

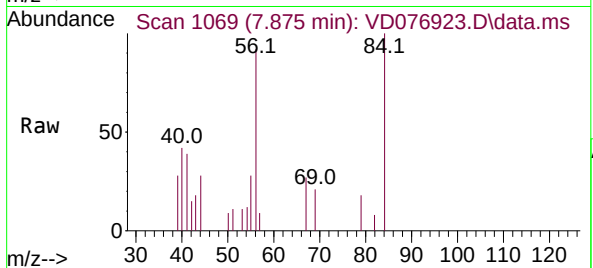
Acq: 04 Aug 2023 13:13

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT3-2023-06

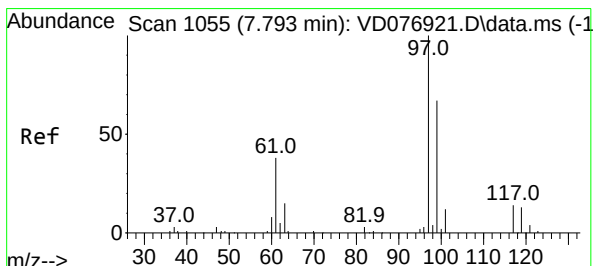
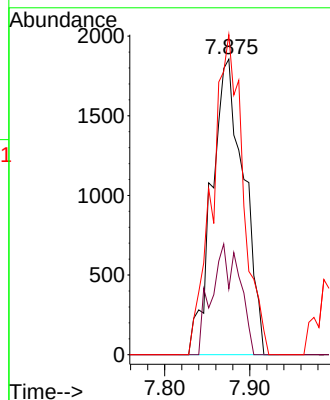
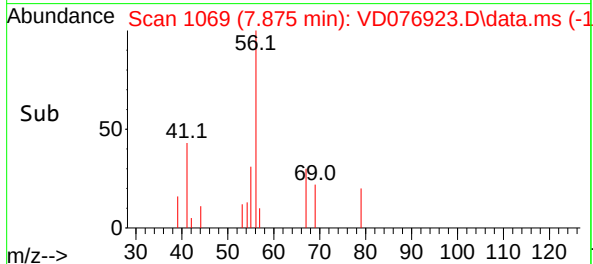


Tgt Ion:	56	Resp:	4830
Ion Ratio	100	Lower	Upper
56	100		
69	12.4	23.4	35.0
84	104.8	66.3	99.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023



#30

1,1,1-Trichloroethane

Concen: 0.860 ug/L

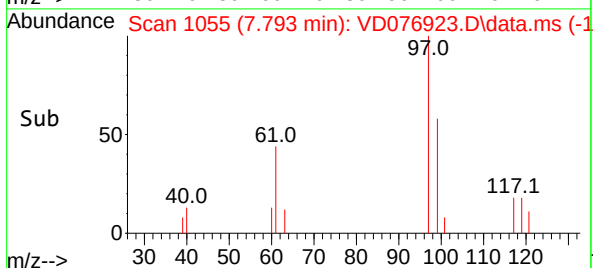
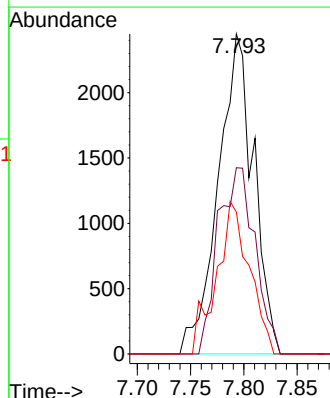
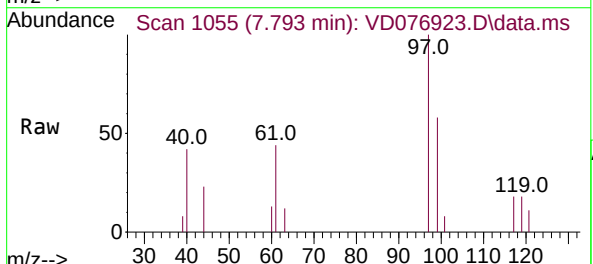
RT: 7.793 min Scan# 1055

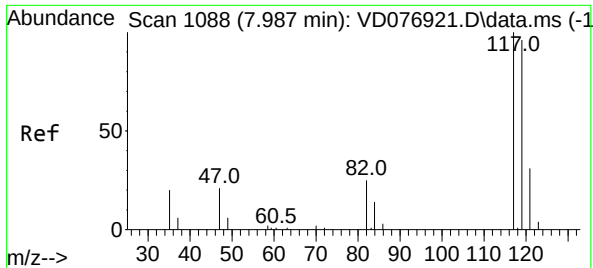
Delta R.T. 0.000 min

Lab File: VD076923.D

Acq: 04 Aug 2023 13:13

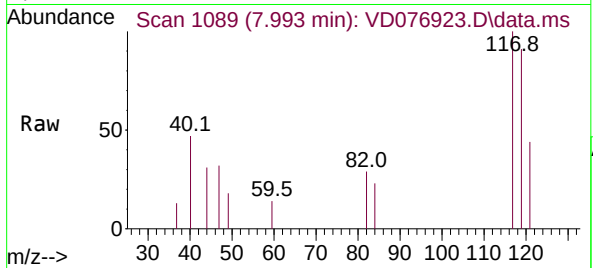
Tgt Ion:	97	Resp:	5667
Ion Ratio	100	Lower	Upper
97	100		
99	35.5	51.0	76.6
61	39.8	36.4	54.6





#31
Carbon tetrachloride
Concen: 0.892 ug/L m
RT: 7.993 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

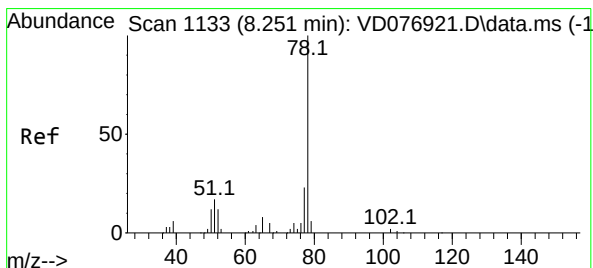
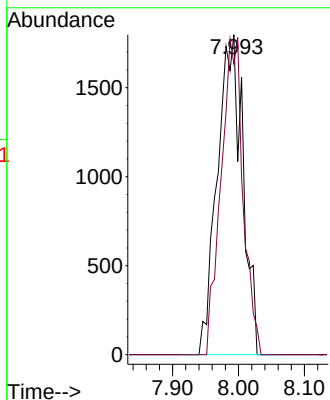
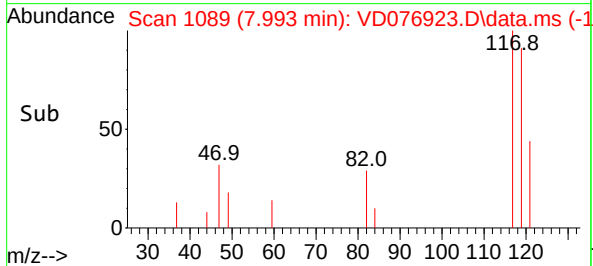
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:117 Resp: 4815
Ion Ratio Lower Upper
117 100
119 86.1 77.8 116.6

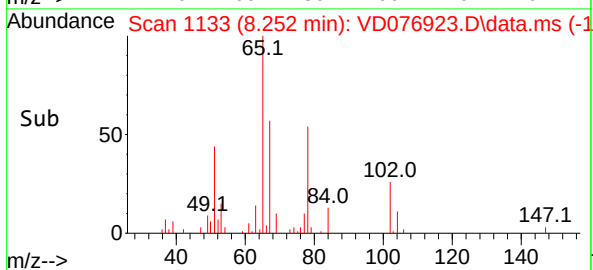
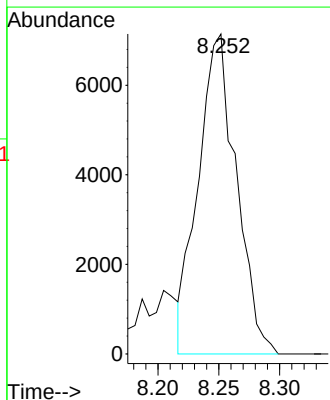
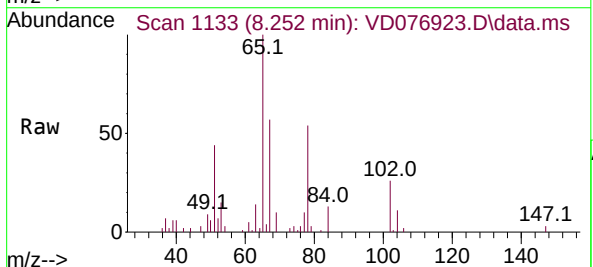
Manual Integrations
APPROVED

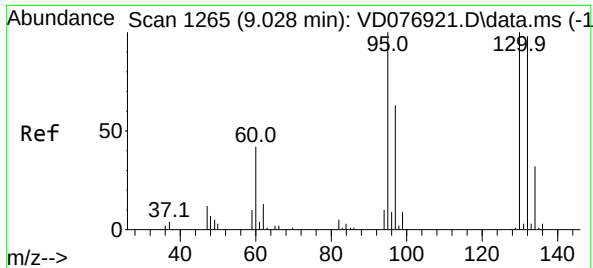
Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023



#33
Benzene
Concen: 0.892 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

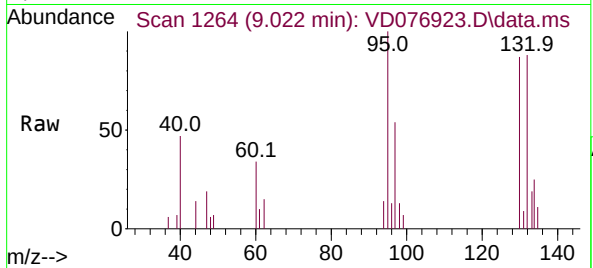
Tgt Ion: 78 Resp: 15548





#34
Trichloroethene
Concen: 1.185 ug/L
RT: 9.022 min Scan# 1306
Delta R.T. -0.006 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

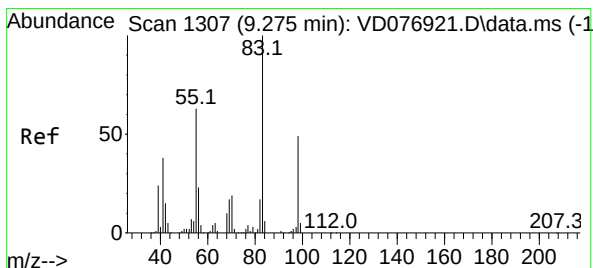
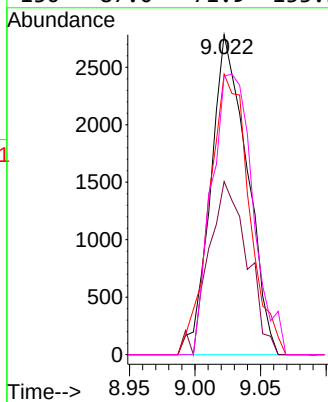
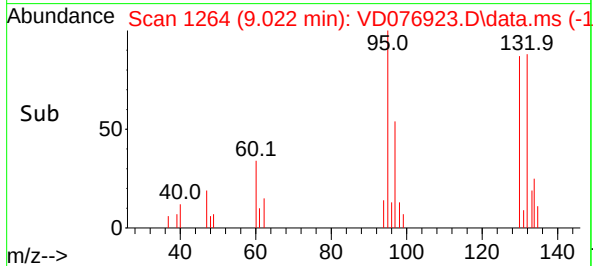
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT3-2023-06



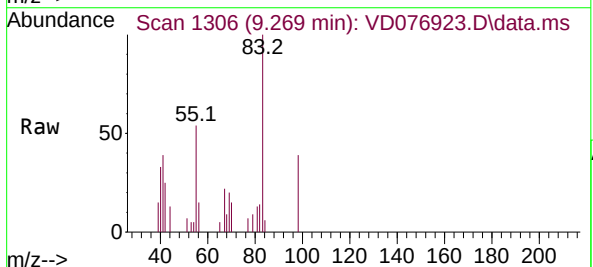
Tgt Ion: 95 Resp: 538
Ion Ratio Lower Upper
95 100
97 54.1 43.1 80.1
132 87.7 71.8 133.4
130 87.0 71.9 133.5

Manual Integrations
APPROVED

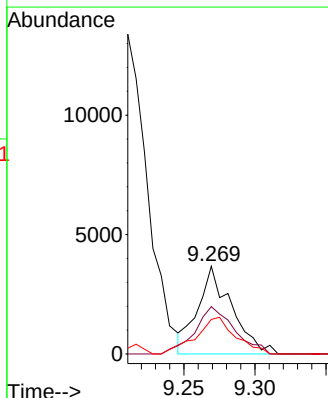
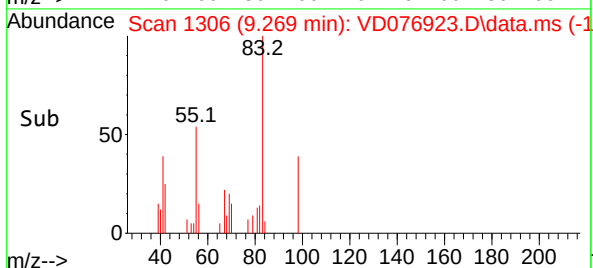
Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023

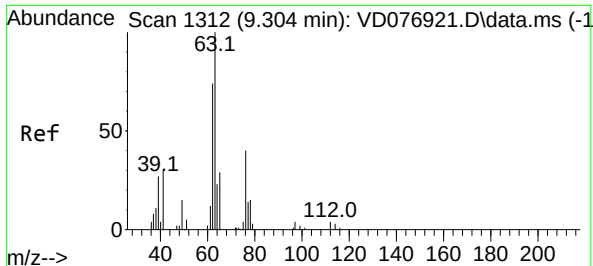


#35
Methylcyclohexane
Concen: 0.826 ug/L
RT: 9.269 min Scan# 1306
Delta R.T. -0.006 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13



Tgt Ion: 83 Resp: 6117
Ion Ratio Lower Upper
83 100
55 62.4 59.8 89.6
98 48.5 37.8 56.6





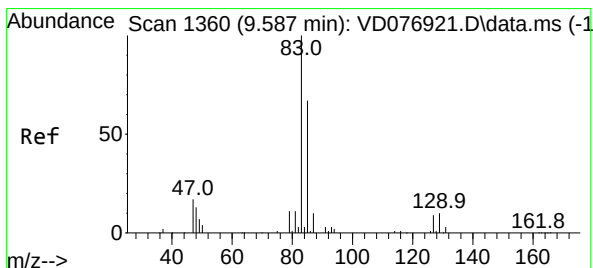
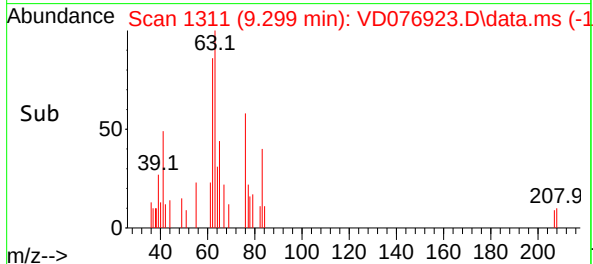
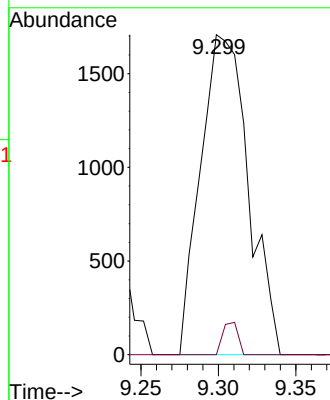
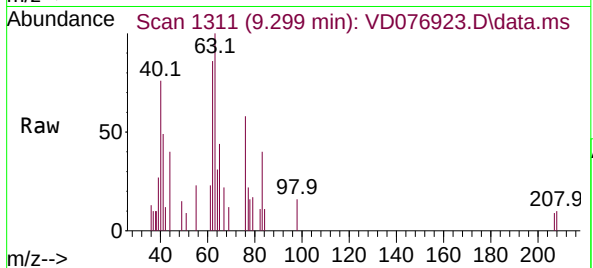
#37
1,2-Dichloropropane
Concen: 0.828 ug/L
RT: 9.299 min Scan# 1311
Delta R.T. -0.006 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-06

Tgt Ion: 63 Resp: 366
Ion Ratio Lower Upper
63 100
112 3.2 3.1 4.7

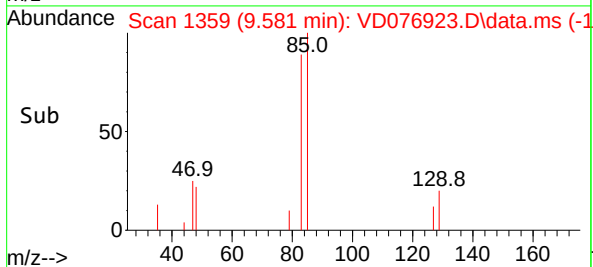
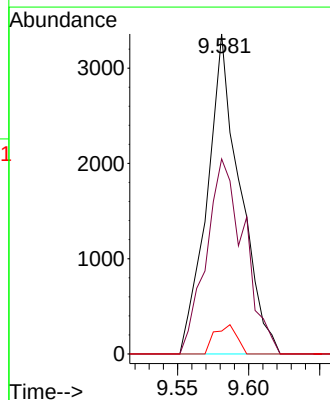
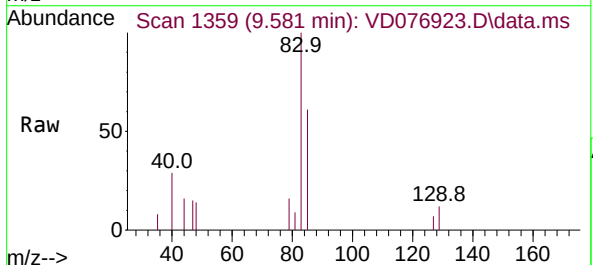
Manual Integrations
APPROVED

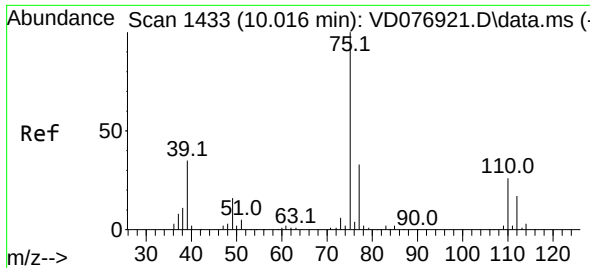
Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023



#38
Bromodichloromethane
Concen: 0.886 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. -0.006 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

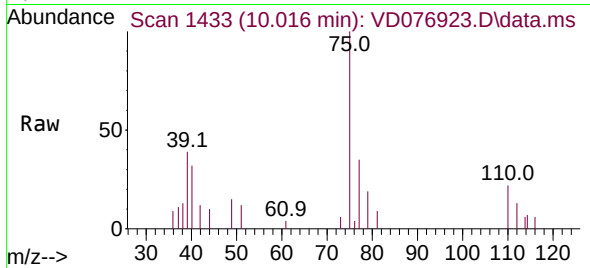
Tgt Ion: 83 Resp: 5403
Ion Ratio Lower Upper
83 100
85 60.9 43.9 81.5
127 7.1 6.6 9.8





#39
cis-1,3-Dichloropropene
Concen: 0.844 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

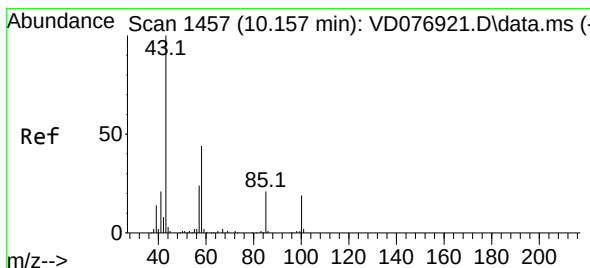
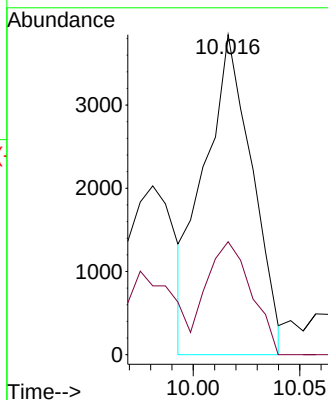
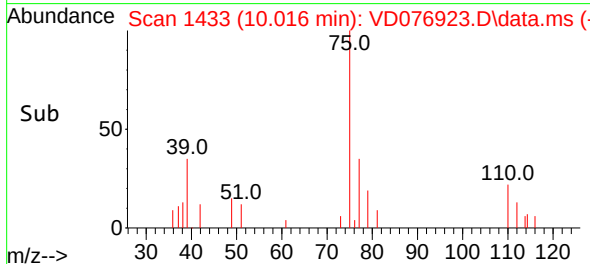
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion: 75 Resp: 6035
Ion Ratio Lower Upper
75 100
77 35.3 22.7 42.3

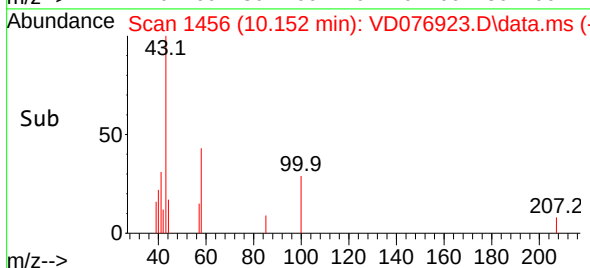
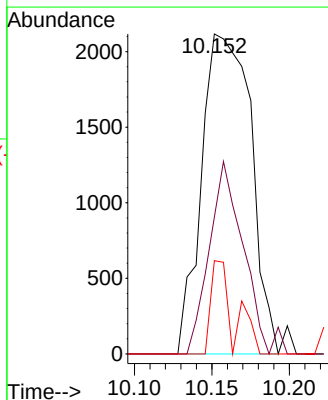
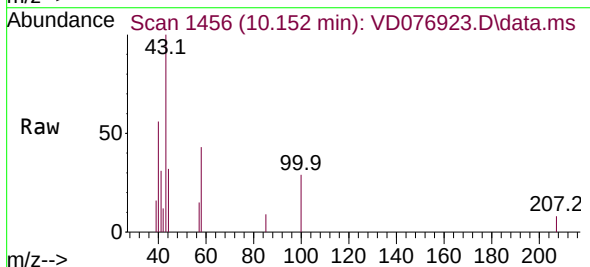
Manual Integrations
APPROVED

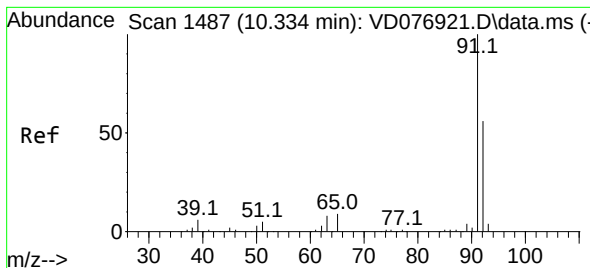
Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023



#40
4-Methyl-2-pentanone
Concen: 1.683 ug/L
RT: 10.152 min Scan# 1456
Delta R.T. -0.006 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

Tgt Ion: 43 Resp: 4697
Ion Ratio Lower Upper
43 100
58 40.4 30.7 46.1
100 9.2 11.0 16.4#





#42

Toluene

Concen: 0.905 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD076923.D

Acq: 04 Aug 2023 13:13

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT3-2023-06

Tgt Ion: 91 Resp: 1715

Ion Ratio Lower Upper

91 100

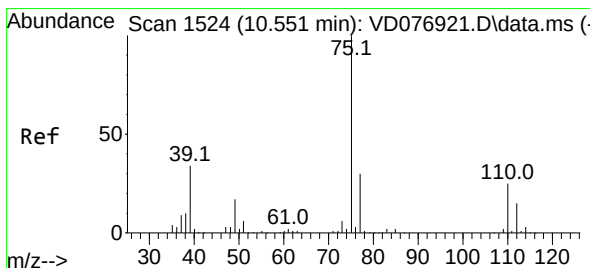
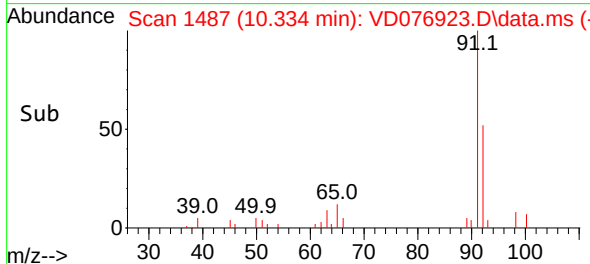
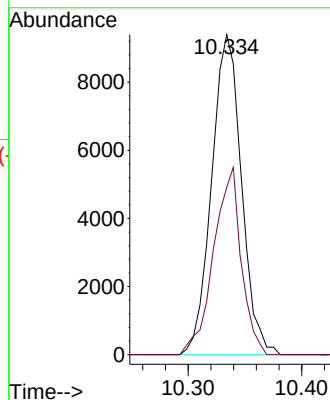
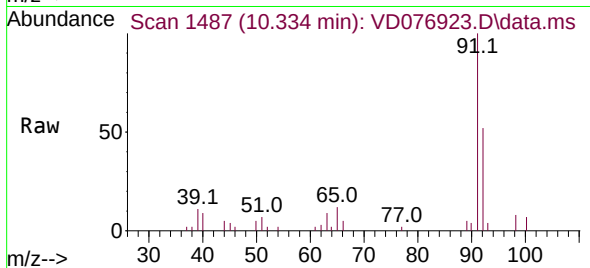
92 52.3 39.3 73.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/07/2023

Supervised By :Semsettin Yesilyurt 08/07/2023



#44

trans-1,3-Dichloropropene

Concen: 1.168 ug/L

RT: 10.557 min Scan# 1525

Delta R.T. 0.006 min

Lab File: VD076923.D

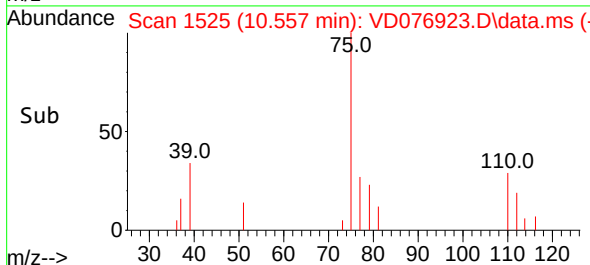
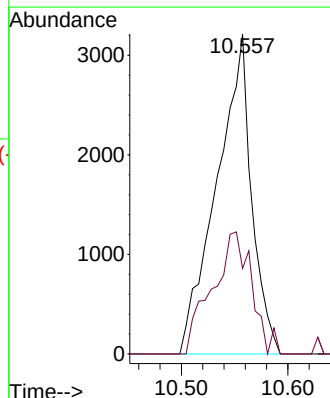
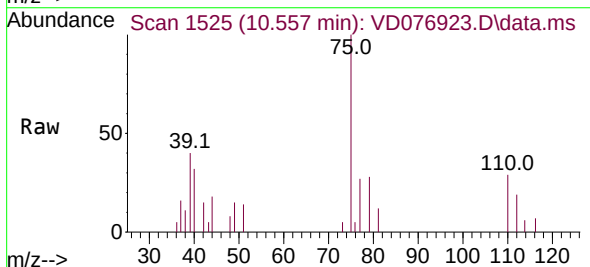
Acq: 04 Aug 2023 13:13

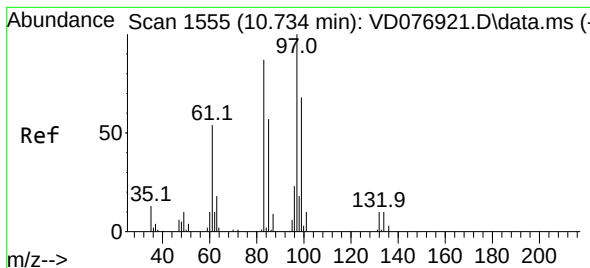
Tgt Ion: 75 Resp: 7297

Ion Ratio Lower Upper

75 100

77 26.8 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 0.847 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD076923.D

Acq: 04 Aug 2023 13:13

Instrument :

MSVOA_D

ClientSampleId :

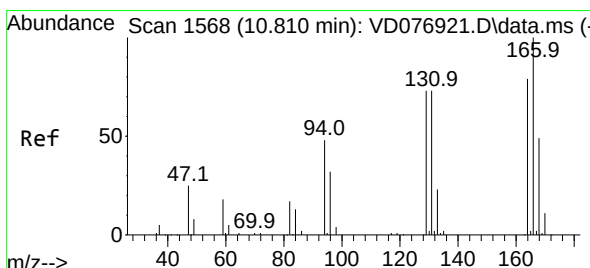
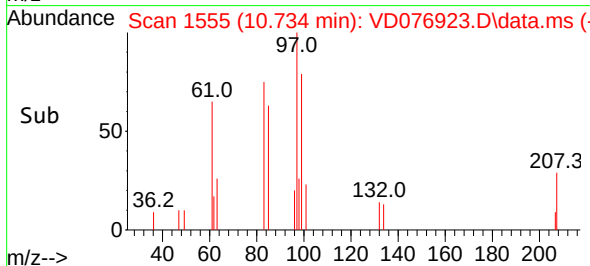
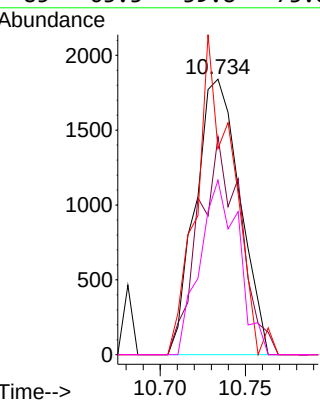
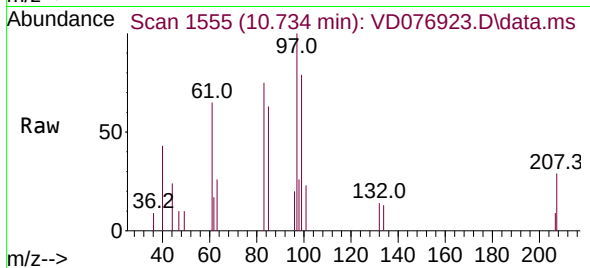
MDL-SOIL-QT3-2023-06

Tgt Ion: 97	Resp: 3330
Ion Ratio	Lower Upper
97 100	
99 79.1	41.9 77.9
83 74.8	59.2 110.0
85 63.3	39.8 73.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023



#46

Tetrachloroethene

Concen: 0.874 ug/L

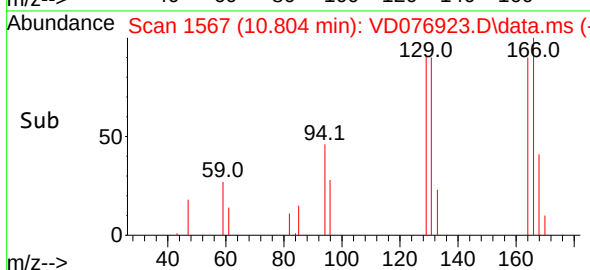
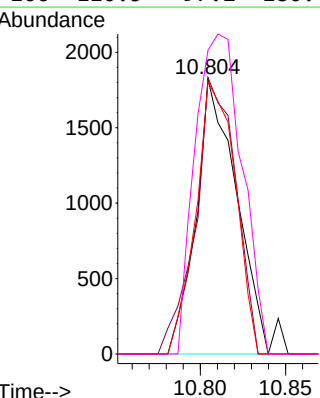
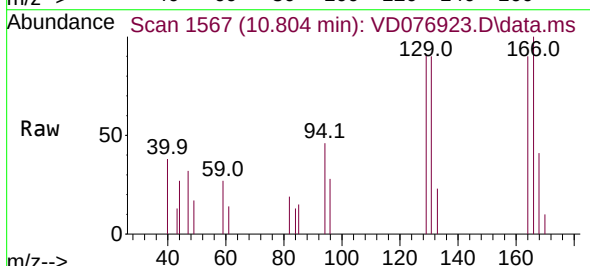
RT: 10.804 min Scan# 1567

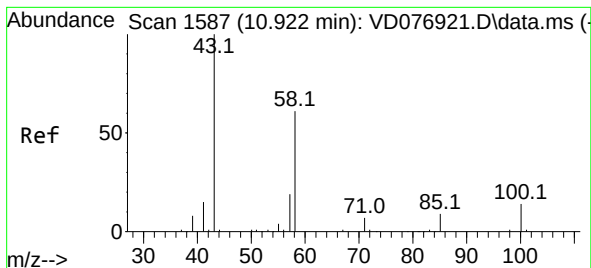
Delta R.T. -0.006 min

Lab File: VD076923.D

Acq: 04 Aug 2023 13:13

Tgt Ion:164	Resp: 2992
Ion Ratio	Lower Upper
164 100	
129 100.5	65.5 121.6
131 99.1	64.8 120.3
166 110.5	97.2 180.4





#48

2-Hexanone

Concen: 1.543 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

Lab File: VD076923.D

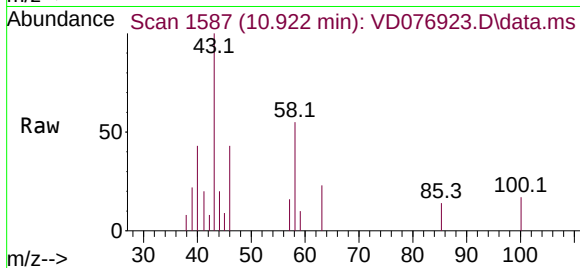
Acq: 04 Aug 2023 13:13

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT3-2023-06



Tgt Ion: 43 Resp: 331

Ion Ratio Lower Upper

43 100

58 48.7 42.9 64.3

57 8.3 13.7 20.5

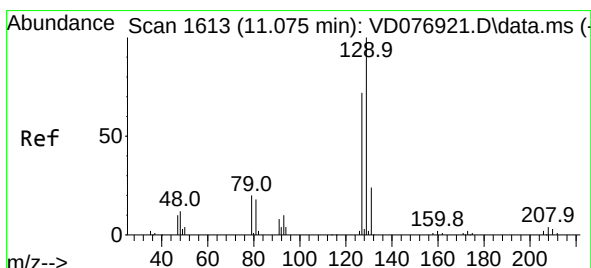
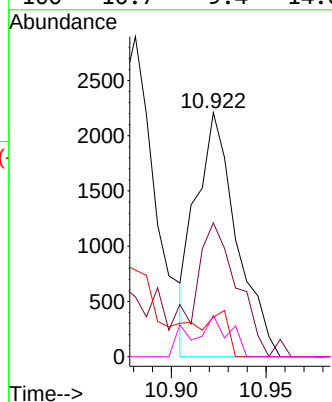
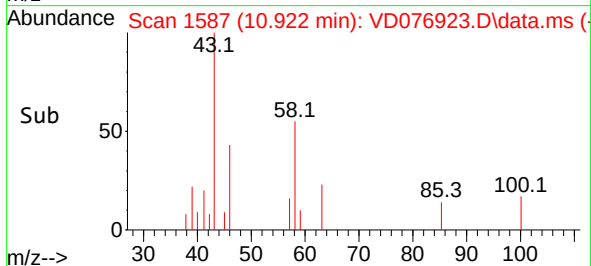
100 10.7 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/07/2023

Supervised By :Semsettin Yesilyurt 08/07/2023



#49

Dibromochloromethane

Concen: 0.875 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD076923.D

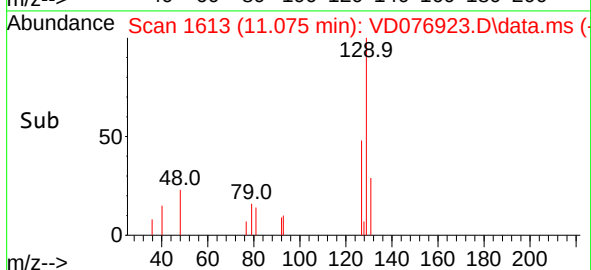
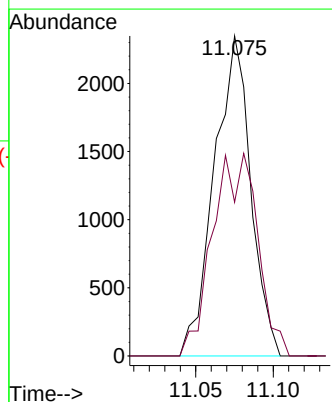
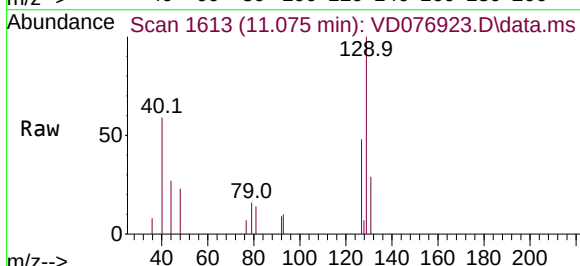
Acq: 04 Aug 2023 13:13

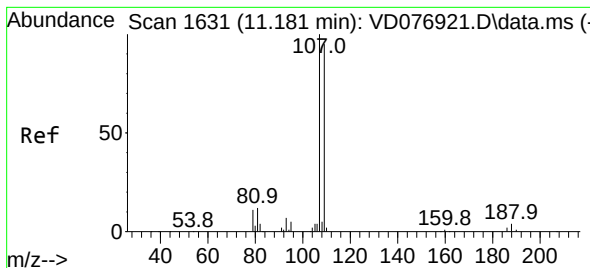
Tgt Ion:129 Resp: 3833

Ion Ratio Lower Upper

129 100

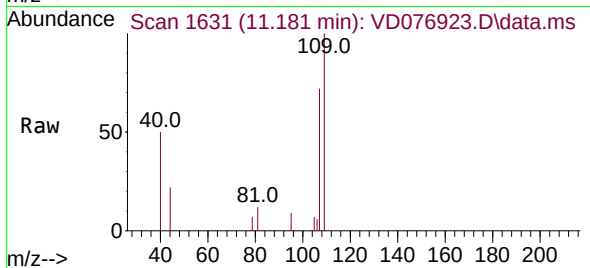
127 48.1 55.2 102.6#





#50
1,2-Dibromoethane
Concen: 0.863 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

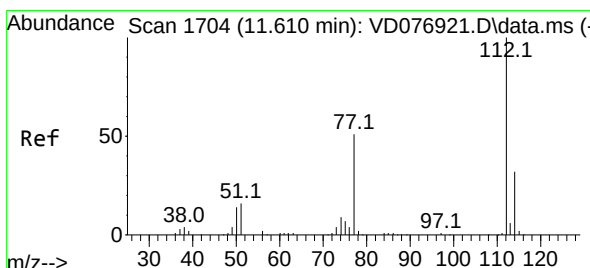
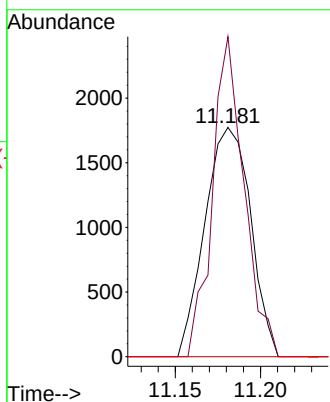
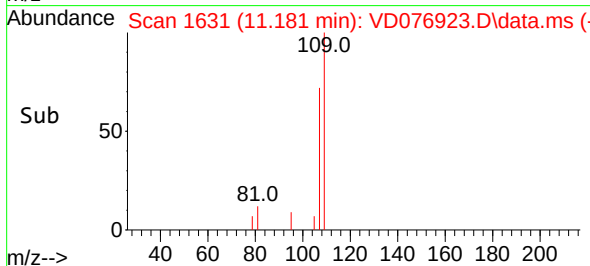
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-06



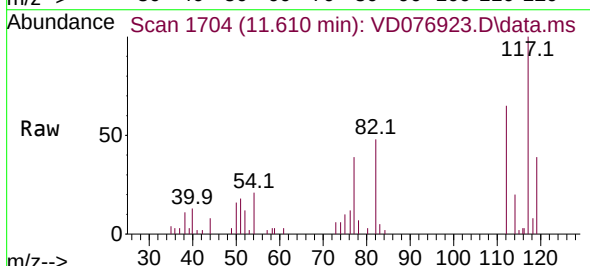
Tgt Ion:107 Resp: 331
Ion Ratio Lower Upper
107 100
109 139.6 58.8 109.2
188 0.0 2.9 4.3

Manual Integrations
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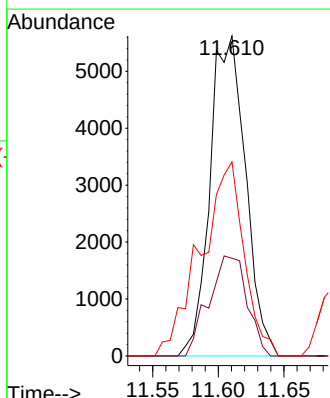
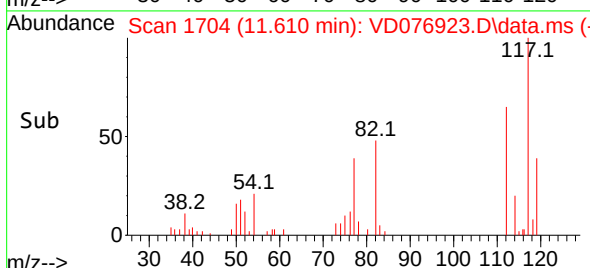
Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023

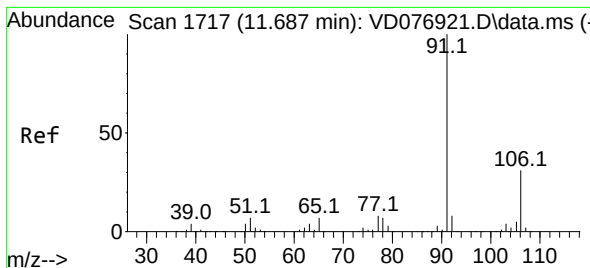


#51
Chlorobenzene
Concen: 0.857 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13



Tgt Ion:112 Resp: 10583
Ion Ratio Lower Upper
112 100
114 30.6 21.5 39.9
77 60.7 43.4 65.2





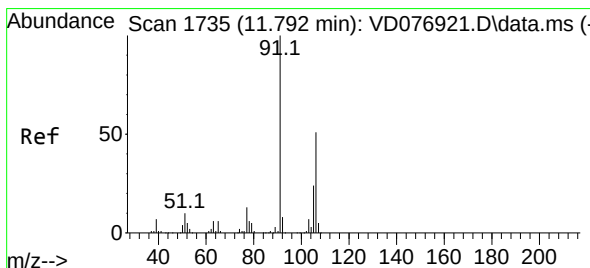
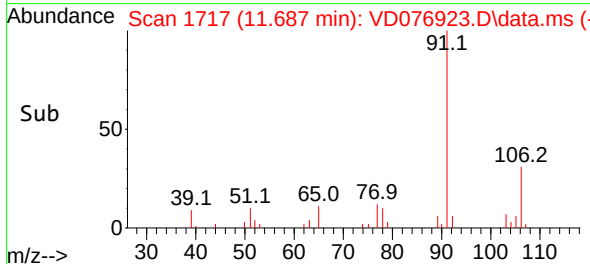
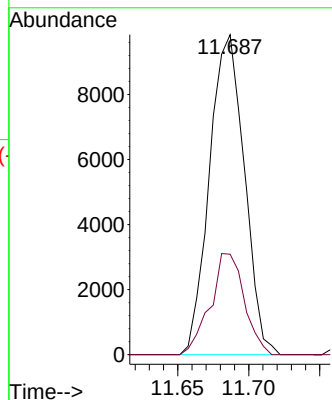
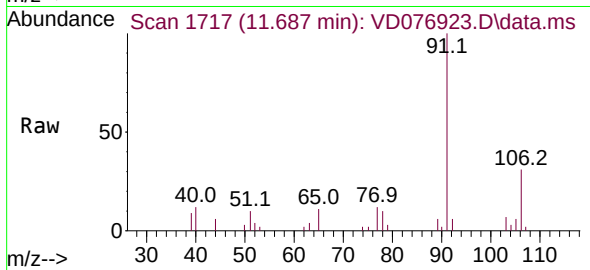
#52
Ethylbenzene
Concen: 0.832 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-06

Tgt Ion: 91 Resp: 16800
Ion Ratio Lower Upper
91 100
106 31.4 22.4 41.6

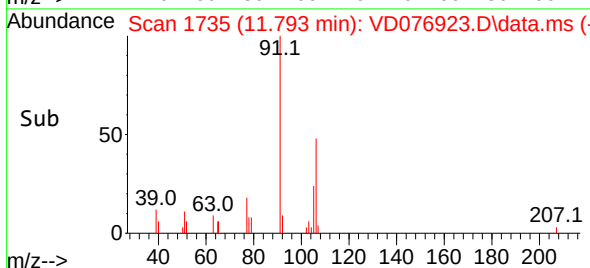
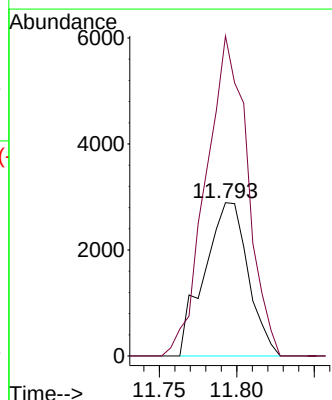
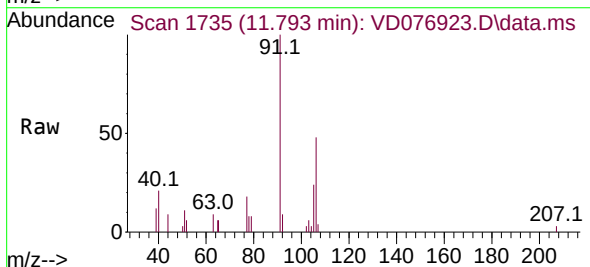
Manual Integrations
APPROVED

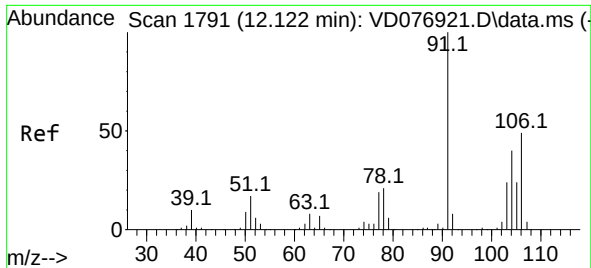
Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023



#53
m,p-Xylene
Concen: 0.727 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

Tgt Ion:106 Resp: 5671
Ion Ratio Lower Upper
106 100
91 208.7 141.5 262.9





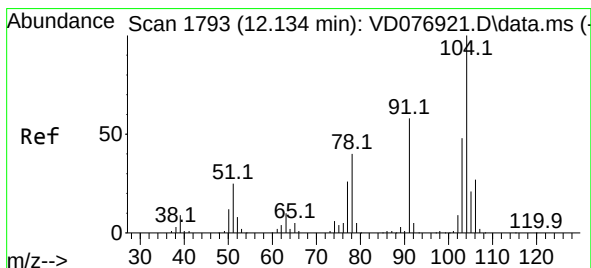
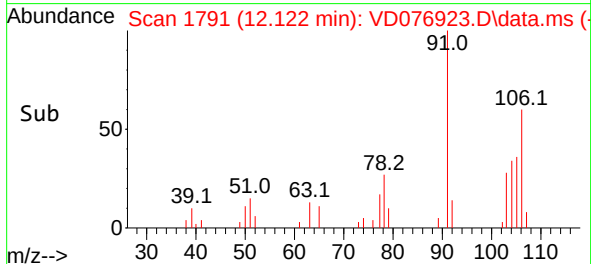
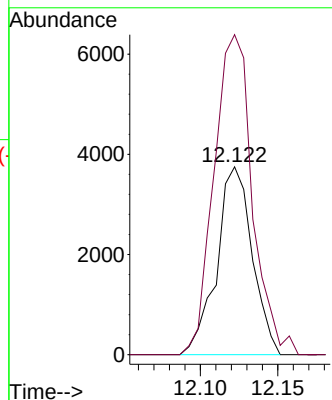
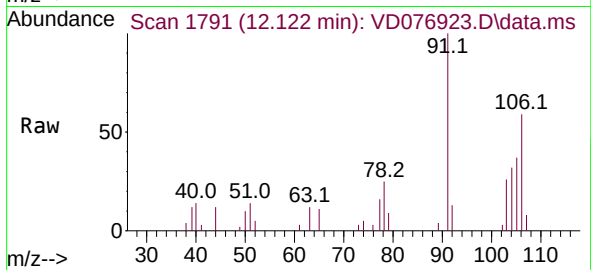
#54
o-Xylene
Concen: 0.797 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-06

Tgt Ion:106 Resp: 597
Ion Ratio Lower Upper
106 100
91 170.4 142.2 264.2

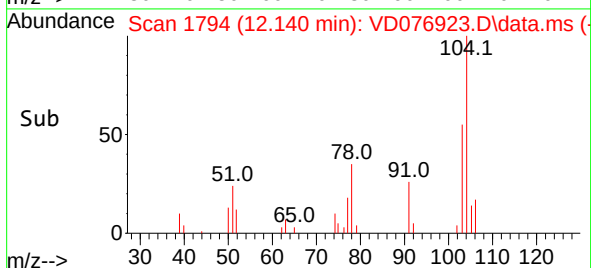
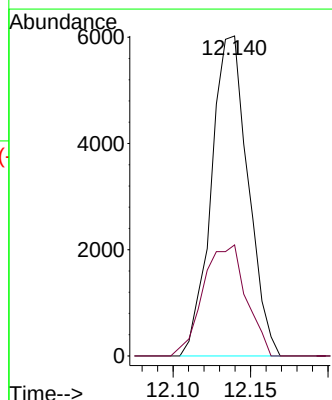
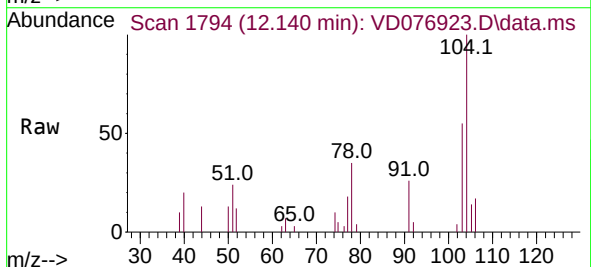
Manual Integrations
APPROVED

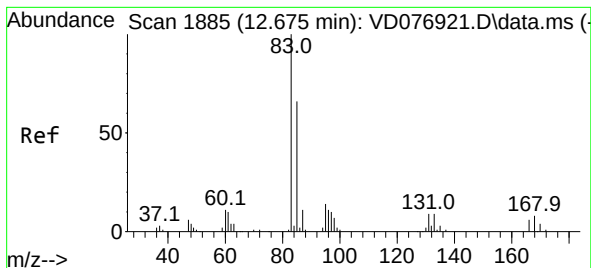
Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023



#55
Styrene
Concen: 0.733 ug/L
RT: 12.140 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

Tgt Ion:104 Resp: 9936
Ion Ratio Lower Upper
104 100
78 34.7 31.3 58.1





#57

1,1,2,2-Tetrachloroethane

Concen: 0.915 ug/L

RT: 12.669 min Scan# 1885

Delta R.T. -0.006 min

Lab File: VD076923.D

Acq: 04 Aug 2023 13:13

Instrument :

MSVOA_D

ClientSampleId :

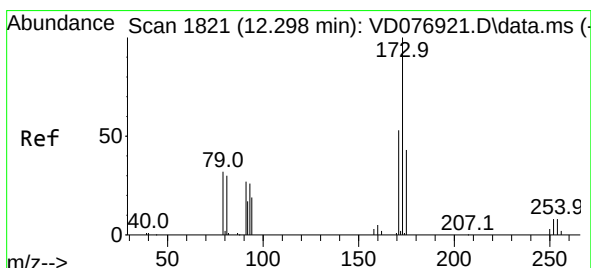
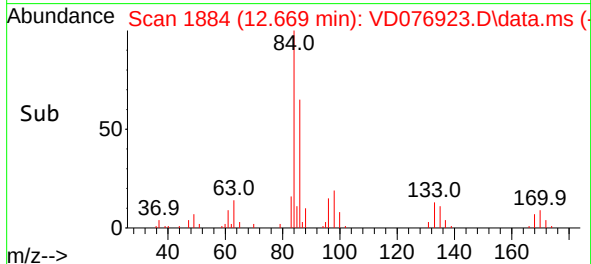
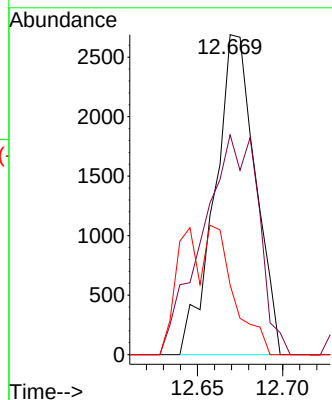
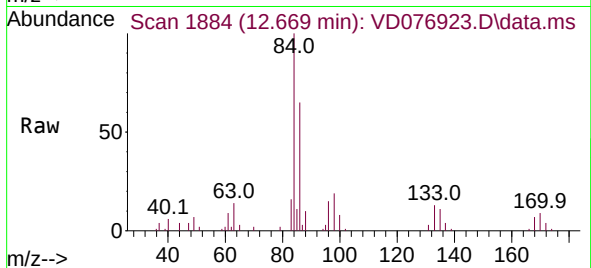
MDL-SOIL-QT3-2023-06

Tgt Ion: 83	Resp: 445
Ion Ratio	Lower Upper
83 100	
85 68.7	46.3 86.1
131 21.8	7.0 10.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023



#59

Bromoform

Concen: 0.773 ug/L

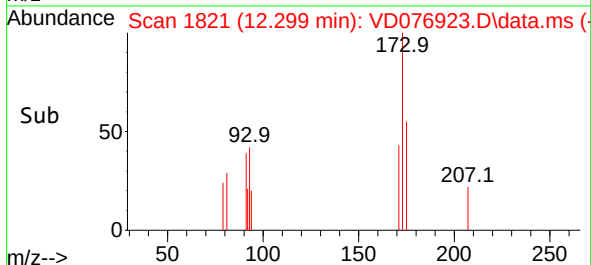
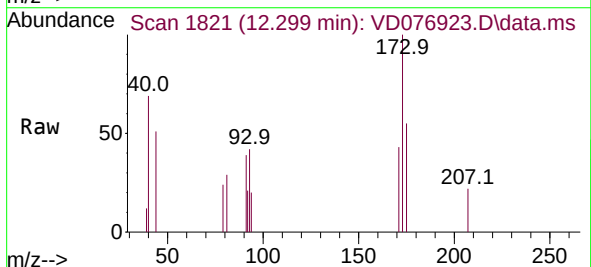
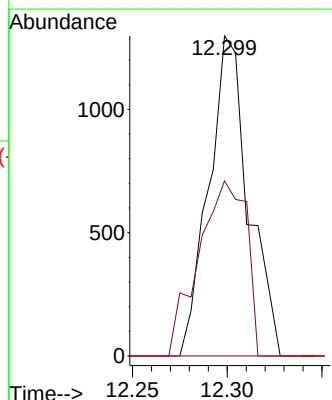
RT: 12.299 min Scan# 1821

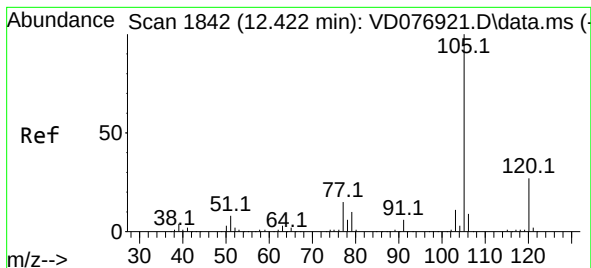
Delta R.T. 0.000 min

Lab File: VD076923.D

Acq: 04 Aug 2023 13:13

Tgt Ion:173	Resp: 1899
Ion Ratio	Lower Upper
173 100	
175 65.8	39.0 58.4#
254 0.0	5.3 7.9#





#60

Isopropylbenzene

Concen: 0.807 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD076923.D

Acq: 04 Aug 2023 13:13

Instrument :

MSVOA_D

ClientSampleId :

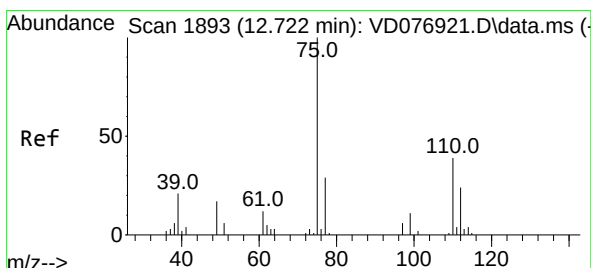
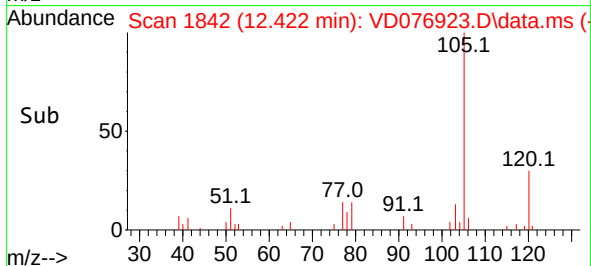
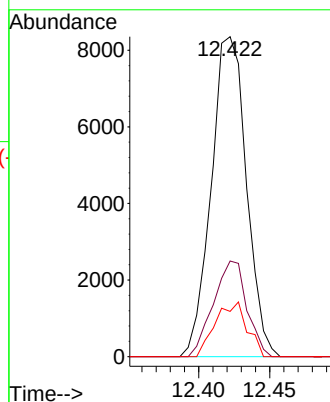
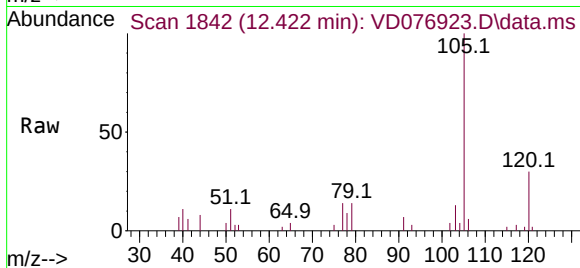
MDL-SOIL-QT3-2023-06

Tgt Ion:105	Resp:	14380
Ion Ratio	Lower	Upper
105	100	
120	28.5	21.3 31.9
77	15.4	12.2 18.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023



#61

1,2,3-Trichloropropane

Concen: 1.018 ug/L

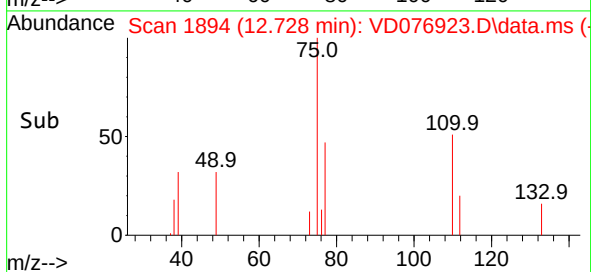
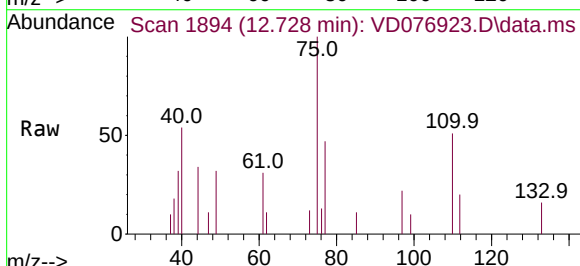
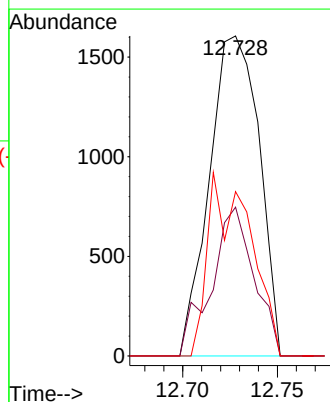
RT: 12.728 min Scan# 1894

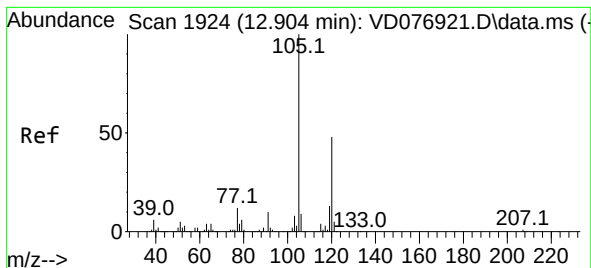
Delta R.T. 0.000 min

Lab File: VD076923.D

Acq: 04 Aug 2023 13:13

Tgt Ion: 75	Resp:	2942
Ion Ratio	Lower	Upper
75	100	
77	34.2	27.2 40.8
110	27.3	31.8 47.6





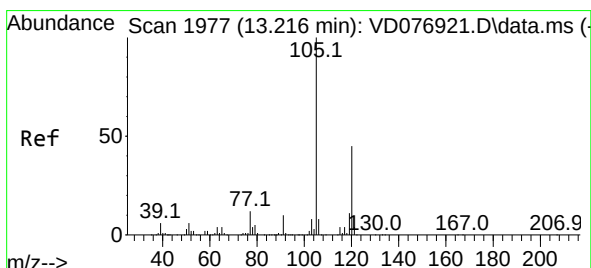
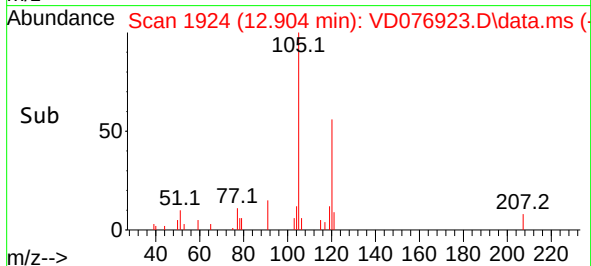
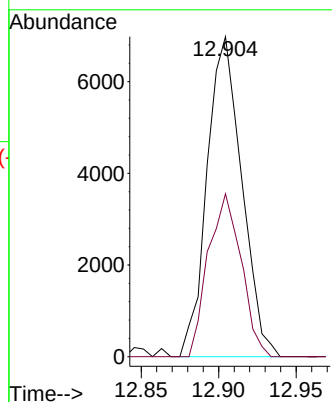
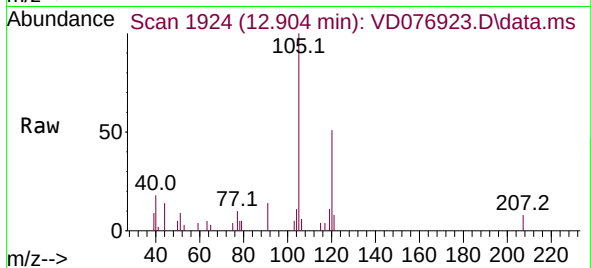
#62
1,3,5-Trimethylbenzene
Concen: 0.802 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

Instrument : MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-06

Tgt Ion:105 Resp: 10884
Ion Ratio Lower Upper
105 100
120 48.2 39.8 59.6

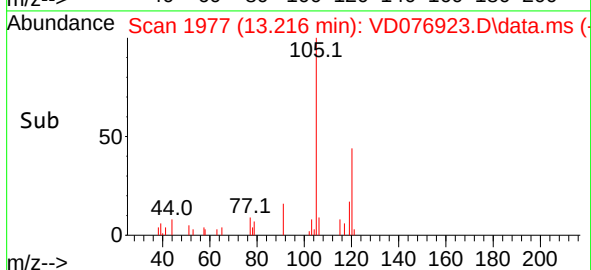
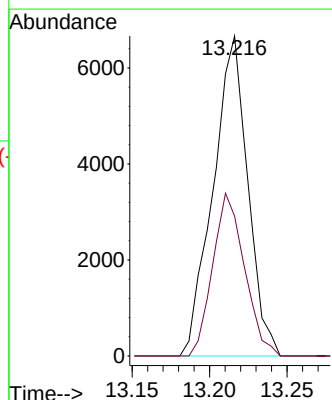
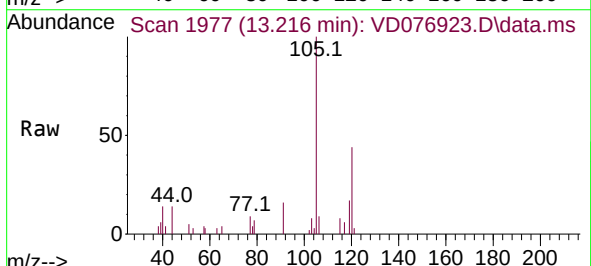
Manual Integrations
APPROVED

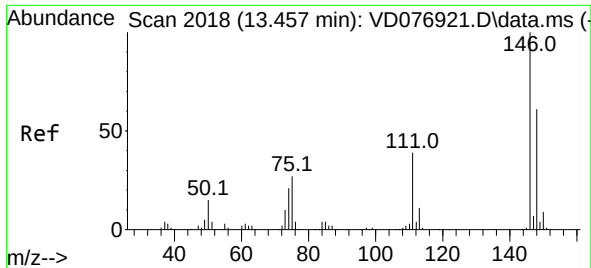
Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023



#63
1,2,4-Trimethylbenzene
Concen: 0.769 ug/L
RT: 13.216 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

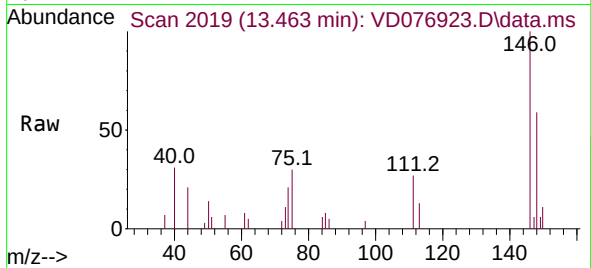
Tgt Ion:105 Resp: 10388
Ion Ratio Lower Upper
105 100
120 46.5 37.5 56.3





#64
1,3-Dichlorobenzene
Concen: 0.915 ug/L
RT: 13.463 min Scan# 2018
Delta R.T. 0.006 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

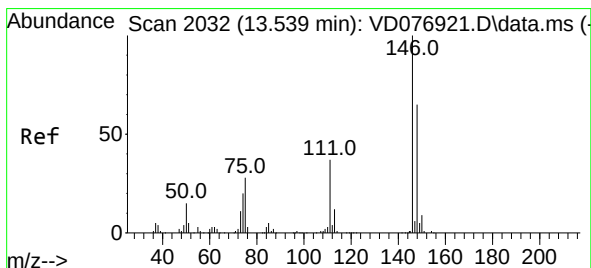
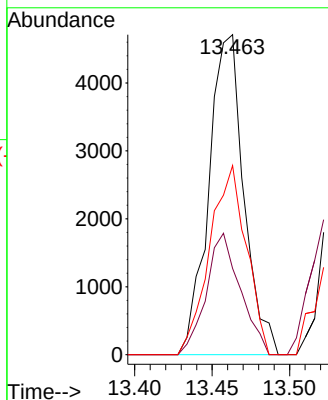
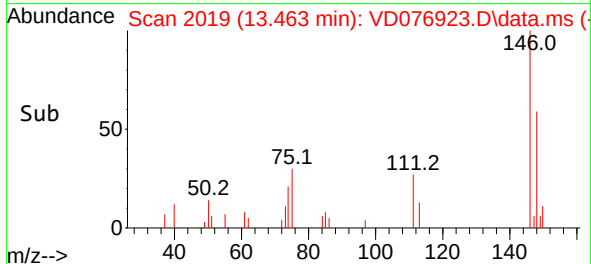
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:146 Resp: 7438
Ion Ratio Lower Upper
146 100
111 27.0 25.6 47.4
148 59.1 44.3 82.3

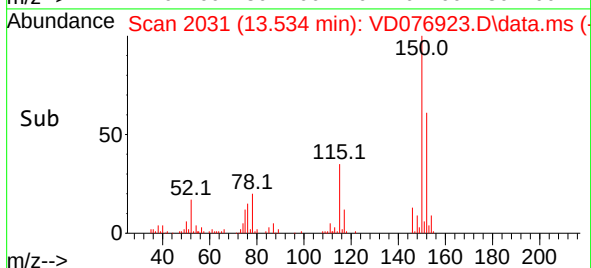
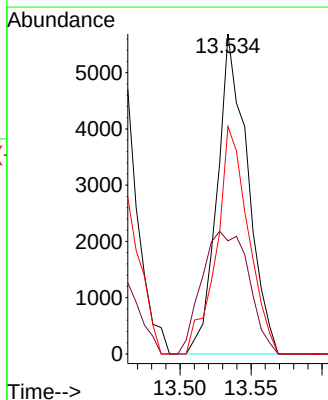
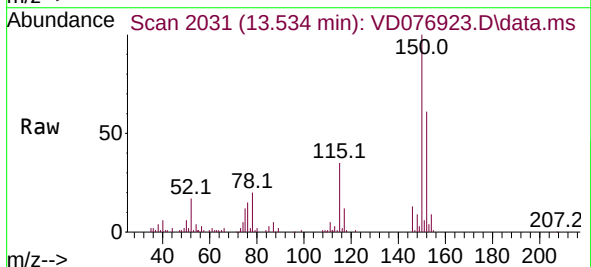
Manual Integrations
APPROVED

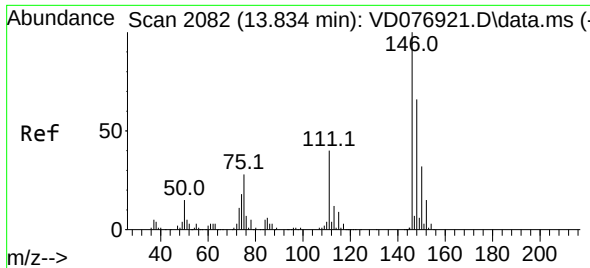
Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023



#65
1,4-Dichlorobenzene
Concen: 1.007 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

Tgt Ion:146 Resp: 8465
Ion Ratio Lower Upper
146 100
111 35.3 25.7 47.7
148 71.0 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 0.995 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD076923.D

Acq: 04 Aug 2023 13:13

Instrument :

MSVOA_D

ClientSampleId :

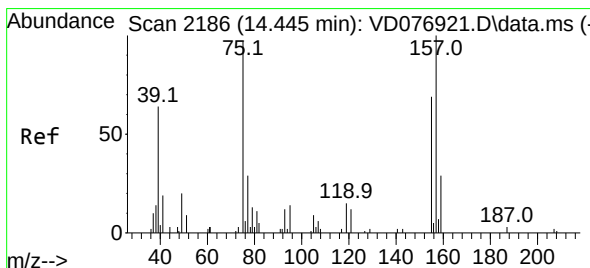
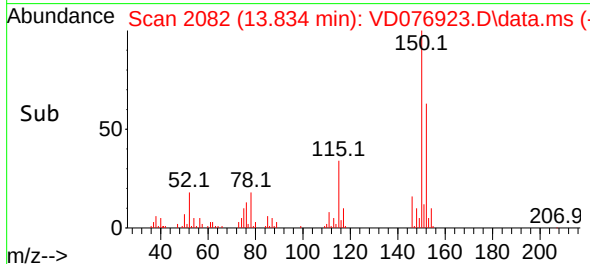
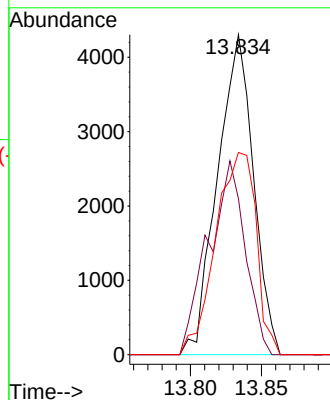
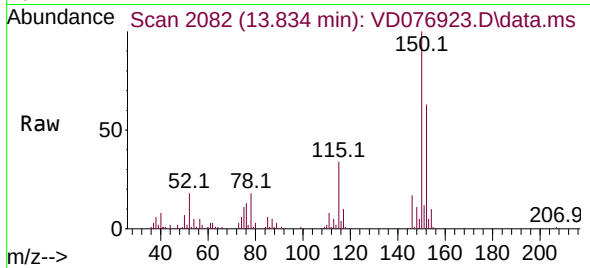
MDL-SOIL-QT3-2023-06

Tgt Ion:	146	Resp:	7580
Ion Ratio	Lower	Upper	
146	100		
111	48.7	31.3	46.9
148	63.2	51.7	77.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023



#68

1,2-Dibromo-3-chloropropane

Concen: 1.212 ug/L m

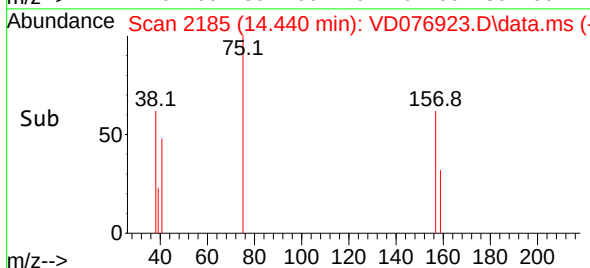
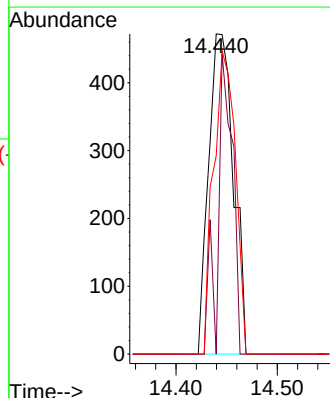
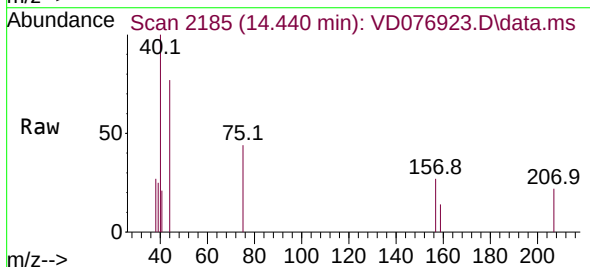
RT: 14.440 min Scan# 2185

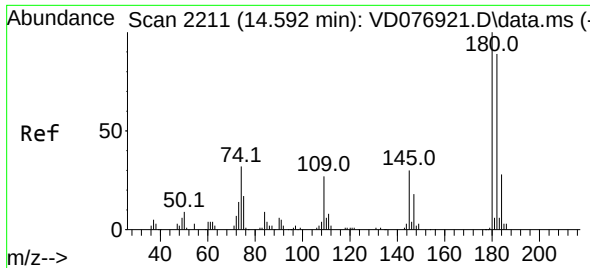
Delta R.T. -0.006 min

Lab File: VD076923.D

Acq: 04 Aug 2023 13:13

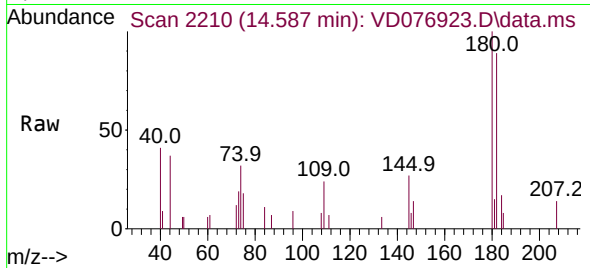
Tgt Ion:	75	Resp:	803
Ion Ratio	Lower	Upper	
75	100		
155	0.0	76.2	114.4
157	61.9	89.4	134.2





#69
1,3,5-Trichlorobenzene
Concen: 0.900 ug/L
RT: 14.587 min Scan# 211
Delta R.T. -0.006 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

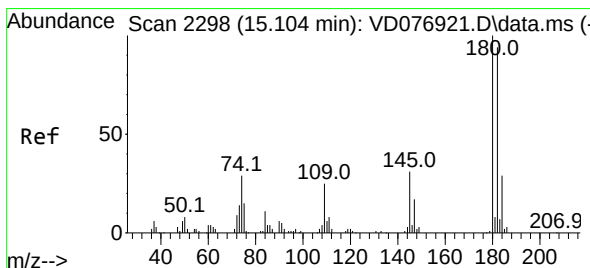
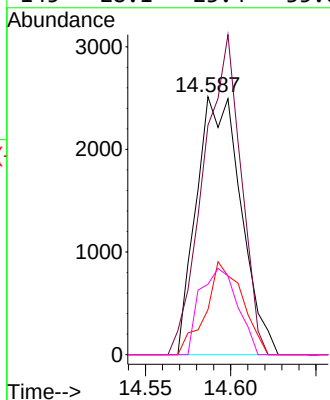
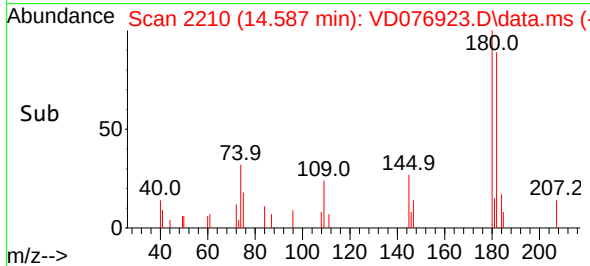
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-06



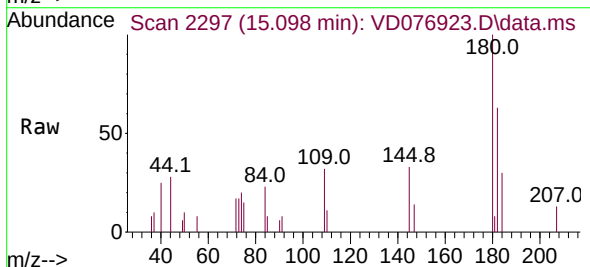
Tgt Ion:180 Resp: 4578
Ion Ratio Lower Upper
180 100
182 104.0 77.1 115.7
184 29.5 25.0 37.4
145 28.1 23.4 35.0

Manual Integrations
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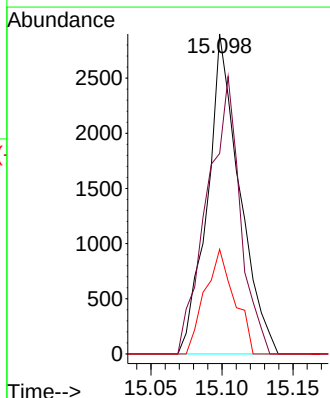
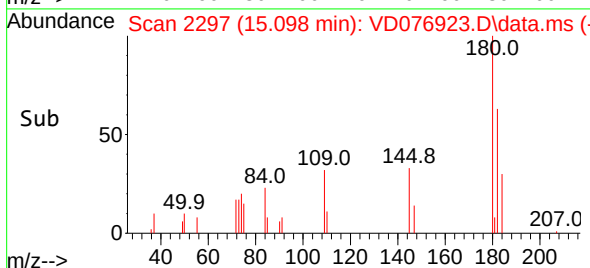
Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023

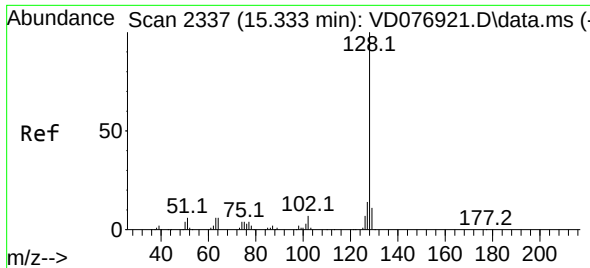


#70
1,2,4-trichlorobenzene
Concen: 1.020 ug/L
RT: 15.098 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13



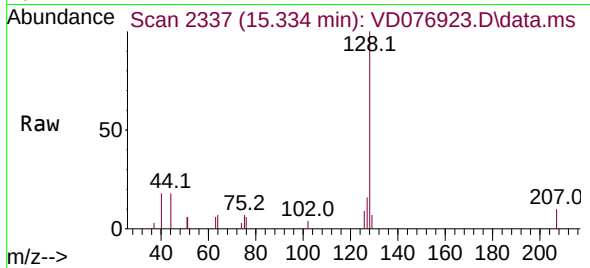
Tgt Ion:180 Resp: 4564
Ion Ratio Lower Upper
180 100
182 88.9 76.9 115.3
145 30.0 23.5 35.3





#71
Naphthalene
Concen: 0.944 ug/L
RT: 15.334 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13

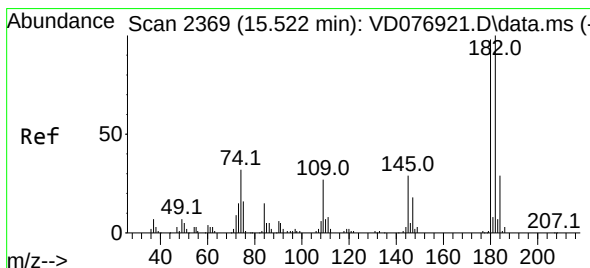
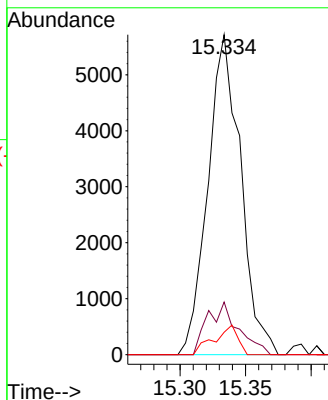
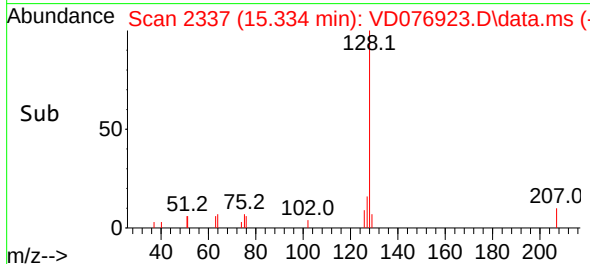
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-06



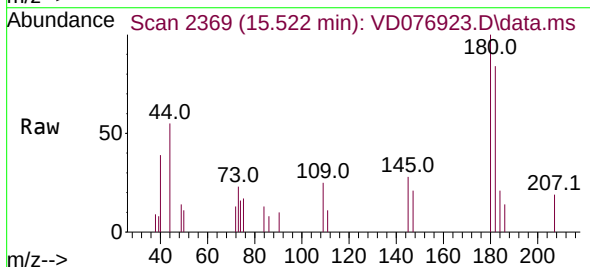
Tgt Ion:128 Resp: 9929
Ion Ratio Lower Upper
128 100
127 15.6 10.8 16.2
129 4.1 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023



#72
1,2,3-Trichlorobenzene
Concen: 0.927 ug/L m
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD076923.D
Acq: 04 Aug 2023 13:13



Tgt Ion:180 Resp: 3761
Ion Ratio Lower Upper
180 100
182 93.0 74.3 111.5
145 25.0 25.0 37.6

