

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052024\
 Data File : VD078970.D
 Acq On : 20 May 2024 14:53
 Operator : RP/MD
 Sample : P2409-04
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT2-2024-04

Quant Time: May 21 01:12:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM051724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue May 21 01:03:15 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2024
 Supervised By :Semsettin Yesilyurt 05/21/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	134835	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	143249	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	64574	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	75196	22.749	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.000%
7) Chloroethane-d5	2.799	69	89384	25.262	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.040%
11) 1,1-Dichloroethene-d2	3.922	65	15574	24.155	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.600%
21) 2-Butanone-d5	6.987	46	24271	51.877	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.760%
24) Chloroform-d	7.575	84	87171	21.717	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.880%
26) 1,2-Dichloroethane-d4	8.228	65	44562	23.377	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.520%
32) Benzene-d6	8.199	84	171933	23.523	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.080%
36) 1,2-Dichloropropane-d6	9.210	67	53190	23.883	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.520%
41) Toluene-d8	10.269	98	148032	21.972	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.880%
43) trans-1,3-Dichloroprop...	10.522	79	21306	20.768	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.080%
47) 2-Hexanone-d5	10.875	63	20335	45.558	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.120%
56) 1,1,2,2-Tetrachloroeth...	12.645	84	57330	22.629	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.520%
66) 1,2-Dichlorobenzene-d4	13.816	152	54742	24.977	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	2871	1.064	ug/L	91
3) Chloromethane	2.146	50	4303	1.300	ug/L #	80
5) Vinyl chloride	2.281	62	6015	1.111	ug/L	83
6) Bromomethane	2.699	94	5228	1.350	ug/L	98
8) Chloroethane	2.840	64	4638	1.109	ug/L	98
9) Trichlorofluoromethane	3.169	101	4270	1.011	ug/L #	63
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	3007m	1.123	ug/L	
12) 1,1-Dichloroethene	3.940	96	2622	1.125	ug/L #	1
13) Acetone	4.028	43	1432m	2.534	ug/L	
14) Carbon disulfide	4.269	76	7366	1.090	ug/L	96
15) Methyl Acetate	4.569	43	842m	0.917	ug/L	
16) Methylene chloride	4.799	84	6470m	2.026	ug/L	
17) trans-1,2-Dichloroethene	5.311	96	2538m	1.069	ug/L	
18) Methyl tert-butyl Ether	5.328	73	4279m	0.846	ug/L	
19) 1,1-Dichloroethane	6.122	63	4422m	1.109	ug/L	
20) cis-1,2-Dichloroethene	7.069	96	2926m	1.081	ug/L	
22) 2-Butanone	7.093	43	1853m	2.852	ug/L	
23) Bromochloromethane	7.422	128	1308m	0.967	ug/L	
25) Chloroform	7.593	83	10919	2.278	ug/L	95

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Manual Integrations
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Reviewed By :Mahesh Dadoda 05/21/2024
 Supervised By :Semsettin Yesilyurt 05/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	3106	1.119	ug/L	99
29) Cyclohexane	7.875	56	2442	0.887	ug/L #	85
30) 1,1,1-Trichloroethane	7.781	97	4174m	1.053	ug/L	
31) Carbon tetrachloride	7.999	117	3376	0.925	ug/L #	22
33) Benzene	8.257	78	10182	1.037	ug/L	100
34) Trichloroethene	9.022	95	2727	1.078	ug/L #	82
35) Methylcyclohexane	9.263	83	3741	0.984	ug/L #	66
38) Bromodichloromethane	9.587	83	3476	0.988	ug/L #	78
39) cis-1,3-Dichloropropene	10.016	75	3573	0.915	ug/L	97
40) 4-Methyl-2-pentanone	10.157	43	2434	1.936	ug/L #	76
42) Toluene	10.334	91	10806	1.001	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	3183	0.922	ug/L	93
45) 1,1,2-Trichloroethane	10.728	97	2385	1.048	ug/L	88
46) Tetrachloroethene	10.810	164	2421	1.112	ug/L	84
48) 2-Hexanone	10.928	43	2056	2.110	ug/L #	85
49) Dibromochloromethane	11.069	129	2745	0.992	ug/L	84
50) 1,2-Dibromoethane	11.181	107	2150	1.000	ug/L #	86
51) Chlorobenzene	11.604	112	7574	0.993	ug/L	94
52) Ethylbenzene	11.681	91	9666	0.830	ug/L	97
53) m,p-Xylene	11.793	106	3469	0.744	ug/L	90
54) o-Xylene	12.116	106	3187	0.702	ug/L	96
55) Styrene	12.134	104	5414	0.675	ug/L	86
57) 1,1,2,2-Tetrachloroethane	12.669	83	3074	1.114	ug/L #	88
59) Bromoform	12.293	173	1436	0.983	ug/L #	93
60) Isopropylbenzene	12.422	105	8530	0.894	ug/L	98
61) 1,2,3-Trichloropropane	12.716	75	1451	0.980	ug/L	93
62) 1,3,5-Trimethylbenzene	12.898	105	6205	0.879	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	5794	0.808	ug/L	93
64) 1,3-Dichlorobenzene	13.451	146	4988	1.076	ug/L	88
65) 1,4-Dichlorobenzene	13.534	146	5492	1.099	ug/L	93
67) 1,2-Dichlorobenzene	13.828	146	5189	1.182	ug/L #	85
68) 1,2-Dibromo-3-chloropr...	14.451	75	442m	1.434	ug/L	
69) 1,3,5-Trichlorobenzene	14.592	180	3368	1.118	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	2797	1.097	ug/L #	94
71) Naphthalene	15.328	128	5332	1.025	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.510	180	2636	1.106	ug/L #	82

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

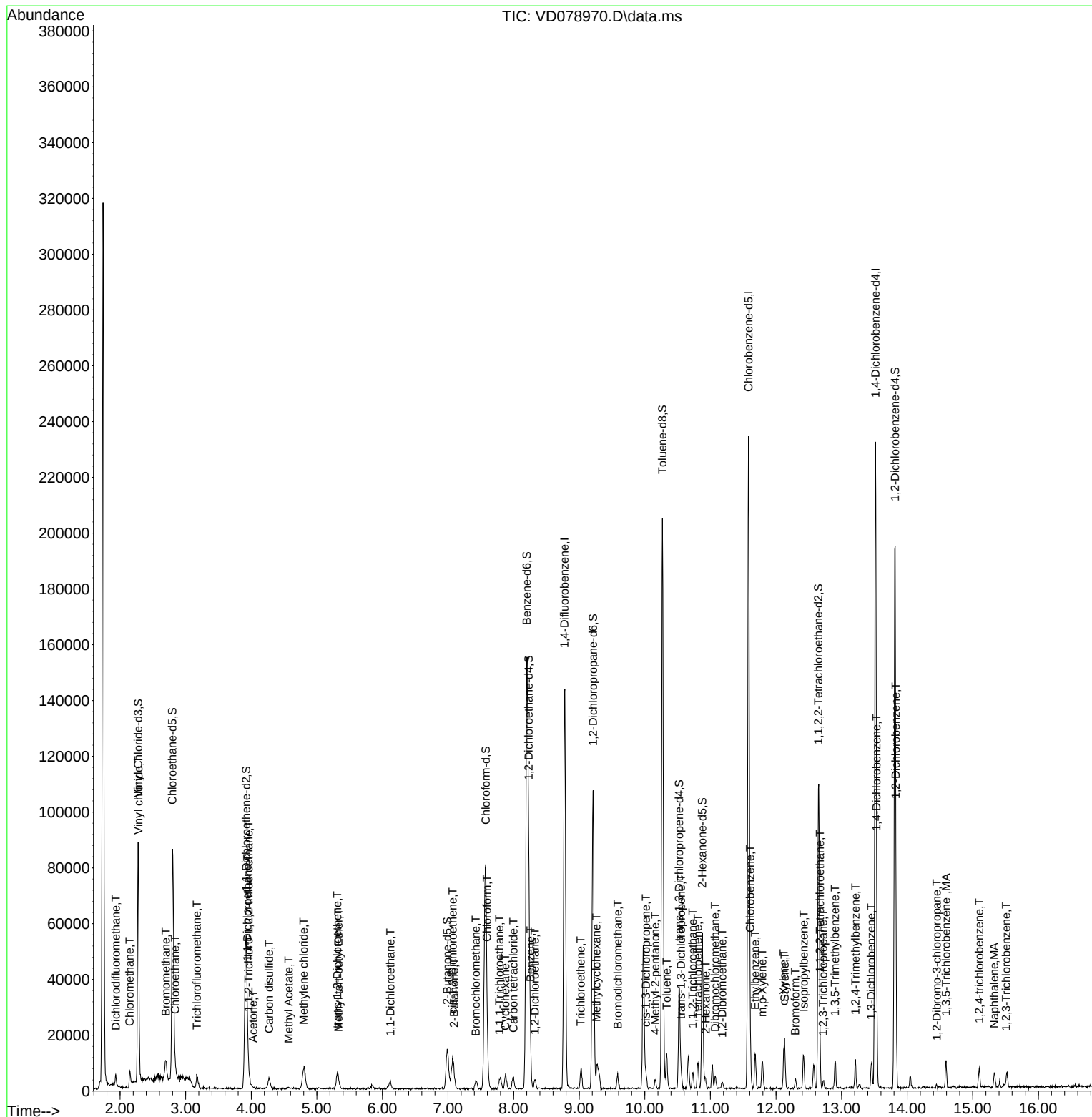
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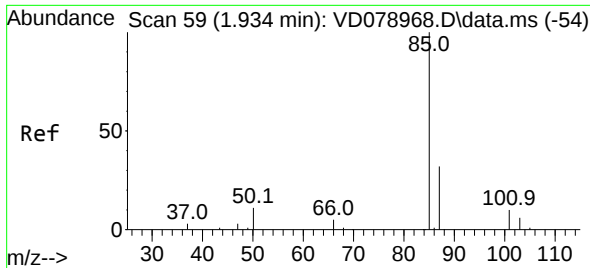
Instrument :
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ClientSampleId :
MDL-SOIL-QT2-2024-04

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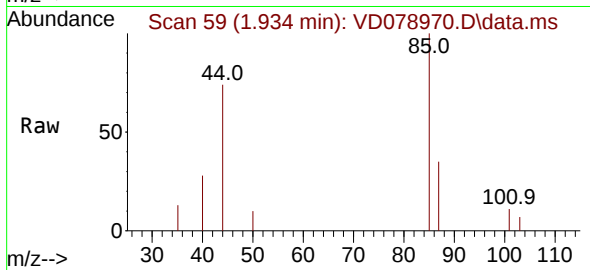
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024





#2
Dichlorodifluoromethane
Concen: 1.064 ug/L
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

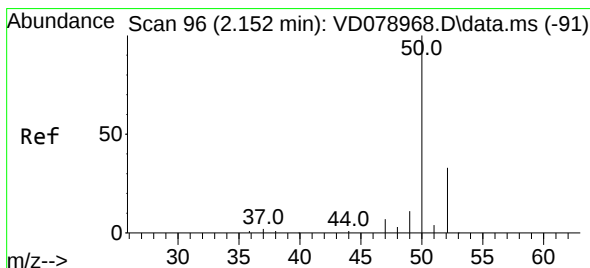
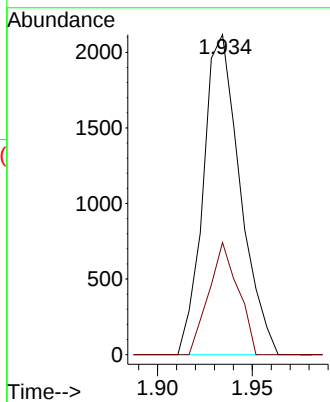
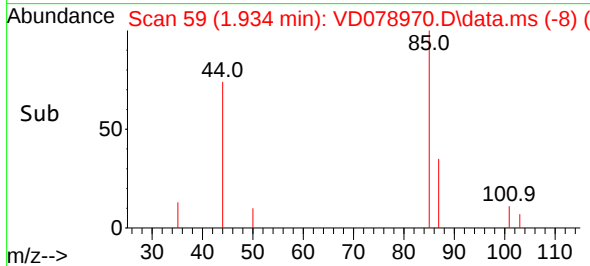
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2024-04



Tgt Ion: 85 Resp: 287
Ion Ratio Lower Upper
85 100
87 27.9 26.3 39.5

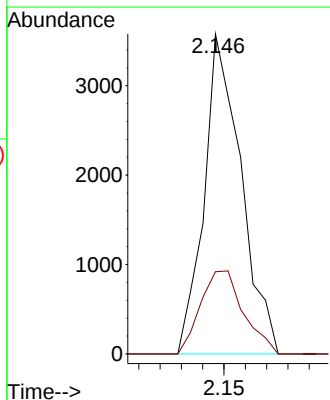
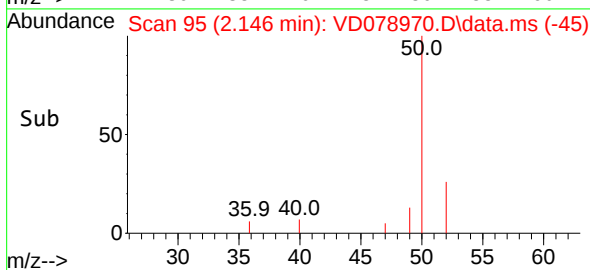
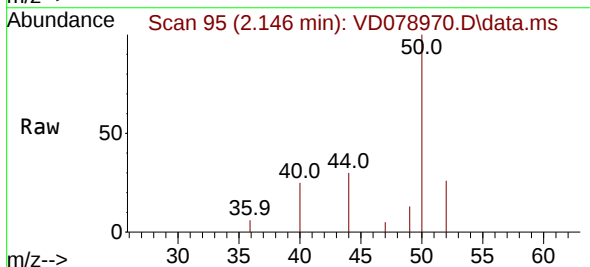
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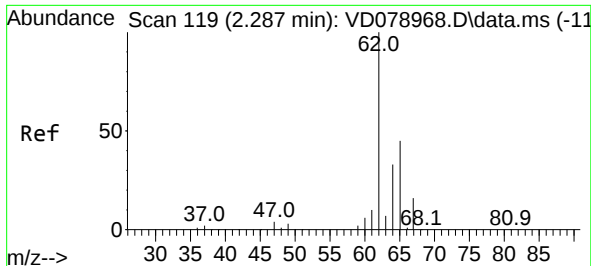
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#3
Chloromethane
Concen: 1.300 ug/L
RT: 2.146 min Scan# 95
Delta R.T. -0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

Tgt Ion: 50 Resp: 4303
Ion Ratio Lower Upper
50 100
52 25.7 26.5 49.3#





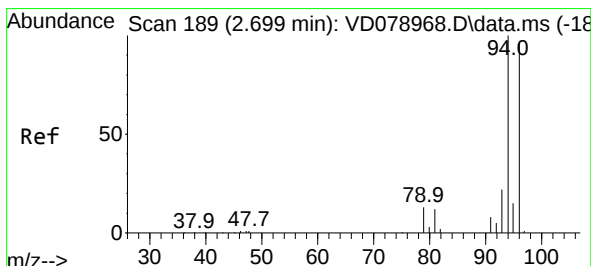
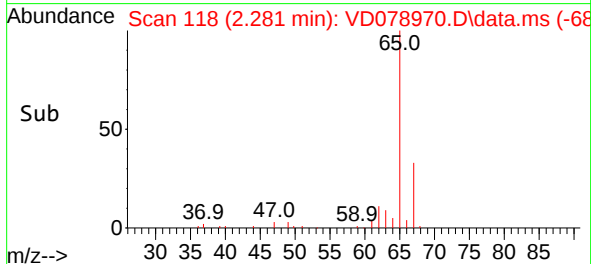
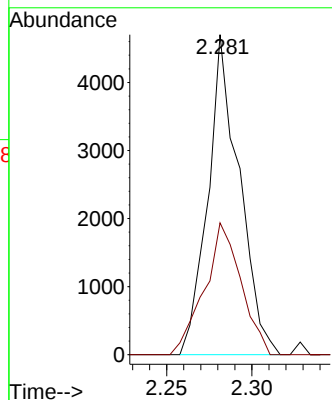
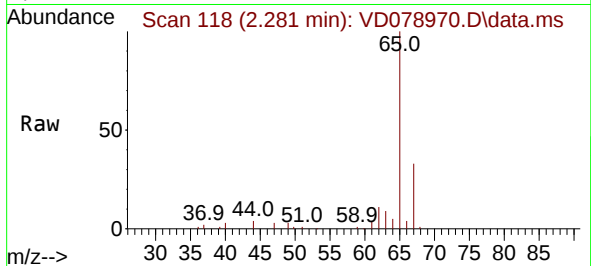
#5
 Vinyl chloride
 Concen: 1.111 ug/L
 RT: 2.281 min Scan# 119
 Delta R.T. -0.006 min
 Lab File: VD078970.D
 Acq: 20 May 2024 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT2-2024-04

Tgt Ion: 62 Resp: 601
 Ion Ratio Lower Upper
 62 100
 64 41.2 22.3 41.3

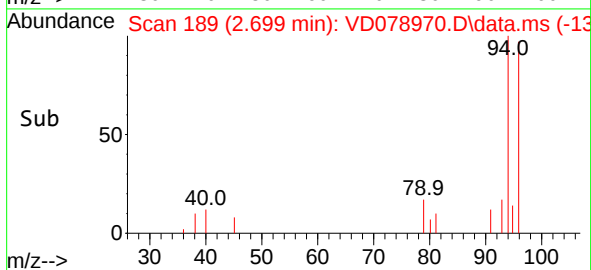
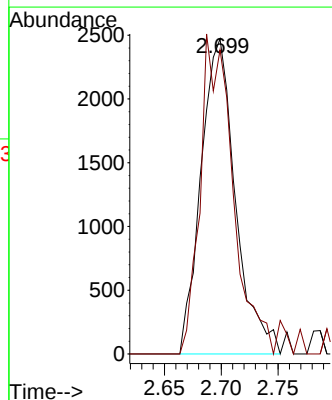
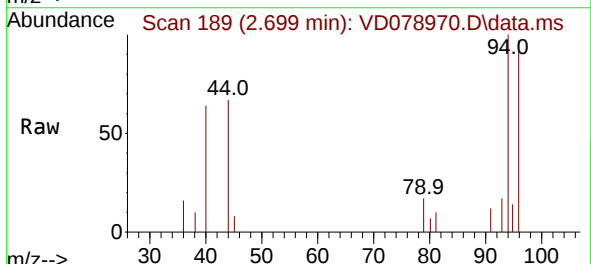
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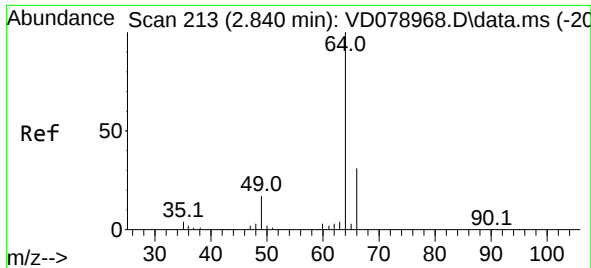
Reviewed By :Mahesh Dadoda 05/21/2024
 Supervised By :Semsettin Yesilyurt 05/21/2024



#6
 Bromomethane
 Concen: 1.350 ug/L
 RT: 2.699 min Scan# 189
 Delta R.T. 0.000 min
 Lab File: VD078970.D
 Acq: 20 May 2024 14:53

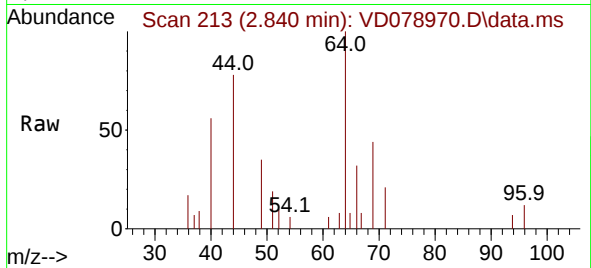
Tgt Ion: 94 Resp: 5228
 Ion Ratio Lower Upper
 94 100
 96 96.6 69.0 128.1





#8
Chloroethane
Concen: 1.109 ug/L
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

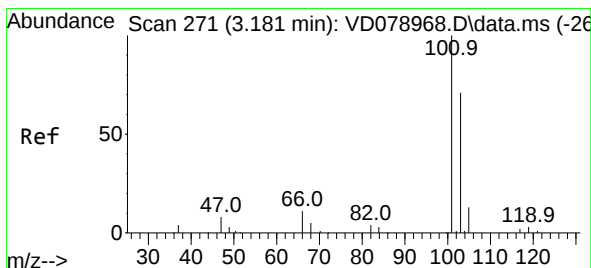
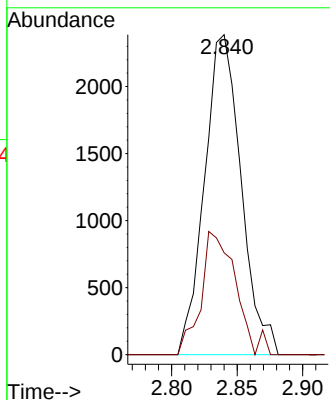
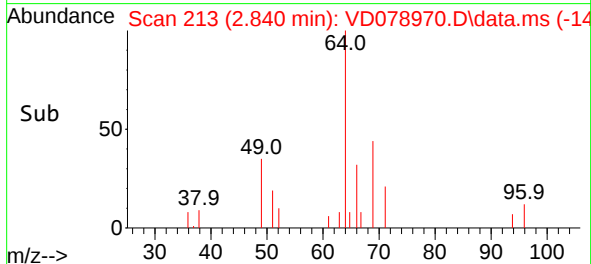
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2024-04



Tgt Ion: 64 Resp: 4638
Ion Ratio Lower Upper
64 100
66 31.8 21.5 39.9

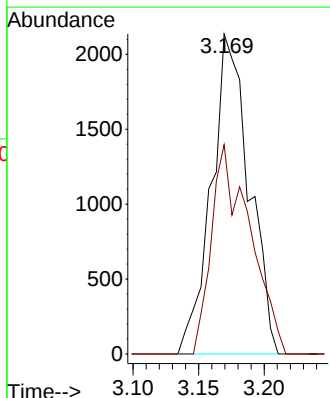
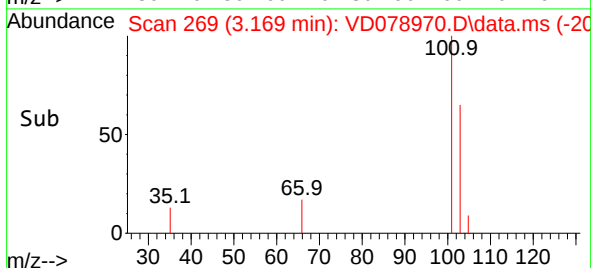
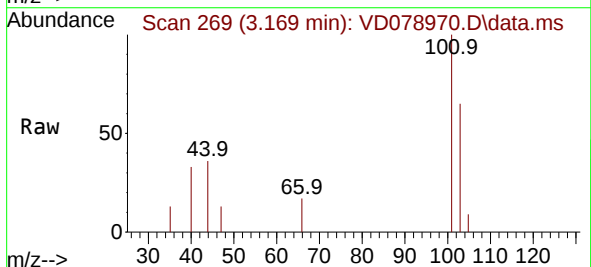
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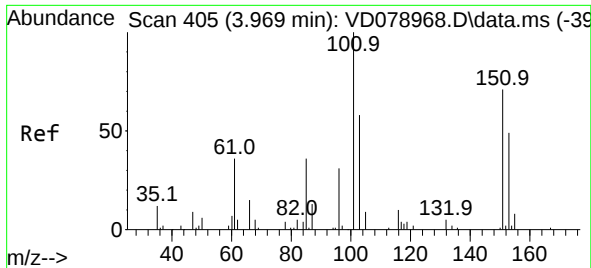
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#9
Trichlorofluoromethane
Concen: 1.011 ug/L
RT: 3.169 min Scan# 269
Delta R.T. -0.012 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

Tgt Ion:101 Resp: 4270
Ion Ratio Lower Upper
101 100
103 35.8 51.9 77.9#





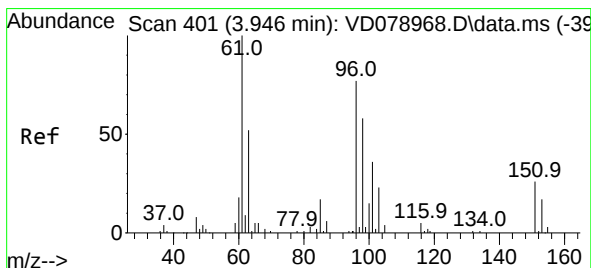
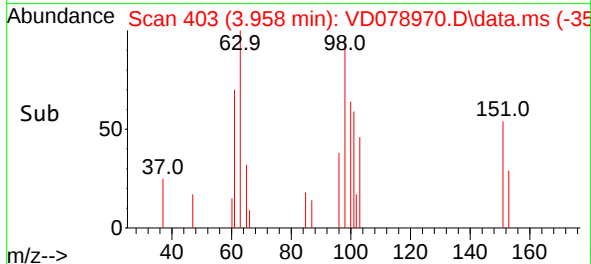
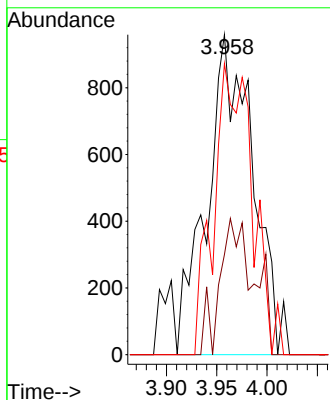
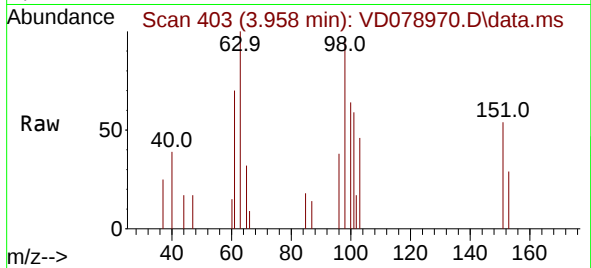
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.123 ug/L m
RT: 3.958 min Scan# 405
Delta R.T. -0.012 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

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Tgt Ion:101 Resp: 300
Ion Ratio Lower Upper
101 100
85 14.6 36.2 54.2
151 23.7 62.9 94.3

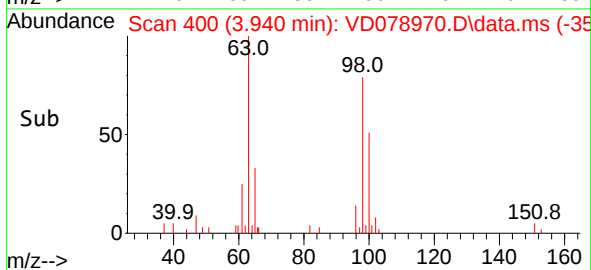
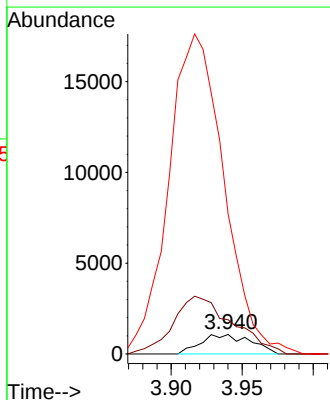
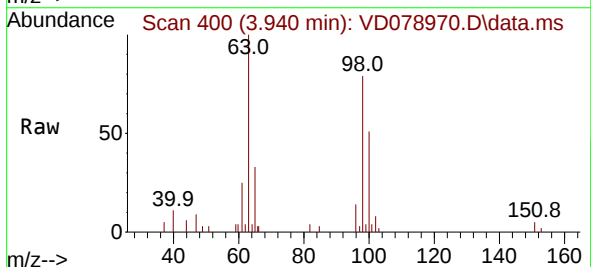
Manual Integrations
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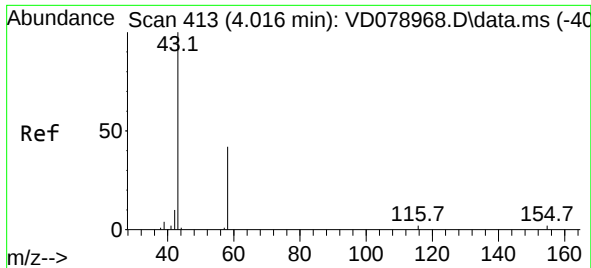
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#12
1,1-Dichloroethene
Concen: 1.125 ug/L
RT: 3.940 min Scan# 400
Delta R.T. -0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

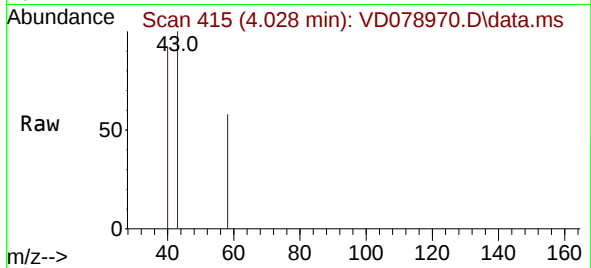
Tgt Ion: 96 Resp: 2622
Ion Ratio Lower Upper
96 100
61 175.2 98.6 183.0
63 714.8 68.3 126.8





#13
Acetone
Concen: 2.534 ug/L m
RT: 4.028 min Scan# 413
Delta R.T. 0.012 min
Lab File: VD078970.D
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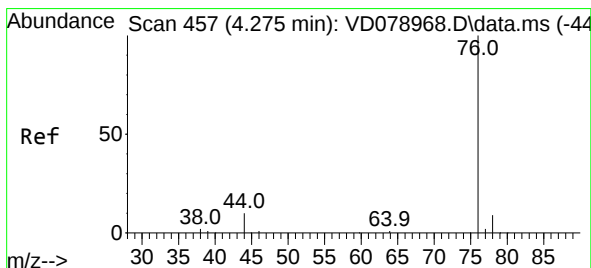
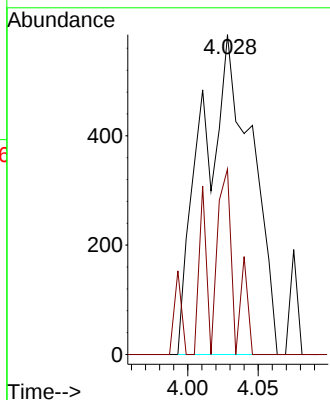
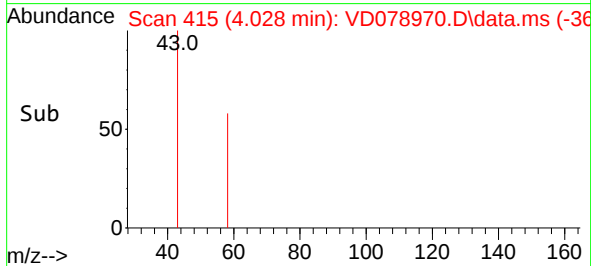
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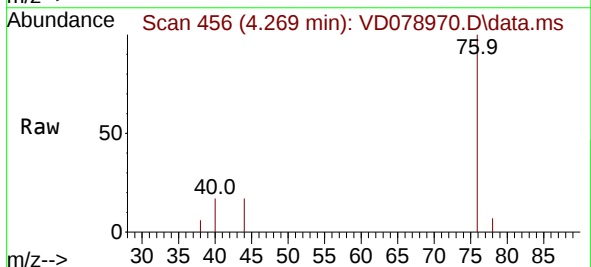
Tgt Ion: 43 Resp: 1432
Ion Ratio Lower Upper
43 100
58 7.6 0.0 75.0

Manual Integrations
APPROVED

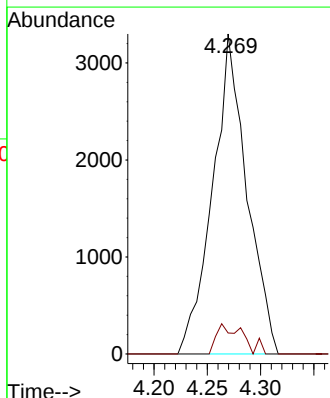
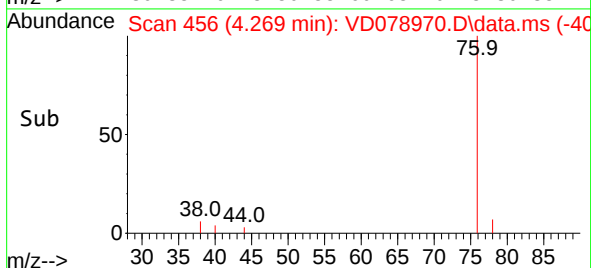
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024

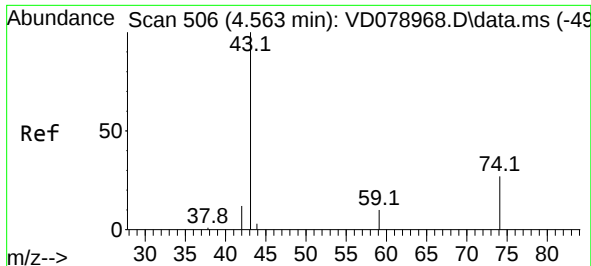


#14
Carbon disulfide
Concen: 1.090 ug/L
RT: 4.269 min Scan# 456
Delta R.T. -0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53



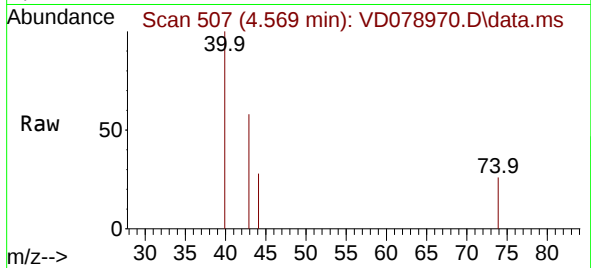
Tgt Ion: 76 Resp: 7366
Ion Ratio Lower Upper
76 100
78 6.5 6.5 9.7





#15
Methyl Acetate
Concen: 0.917 ug/L m
RT: 4.569 min Scan# 506
Delta R.T. 0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

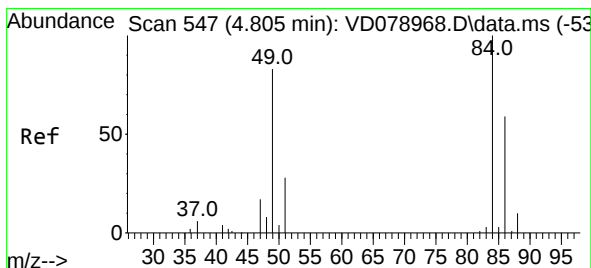
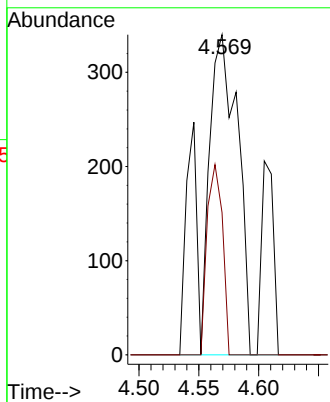
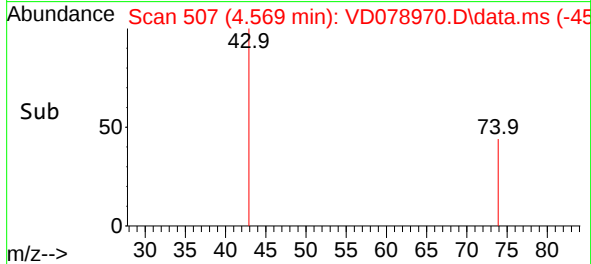
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2024-04



Tgt Ion: 43 Resp: 842
Ion Ratio Lower Upper
43 100
74 21.4 25.1 37.7

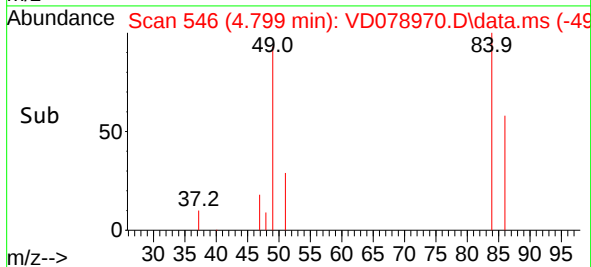
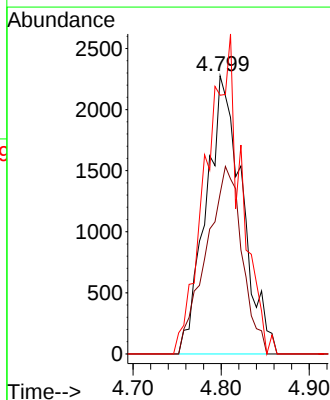
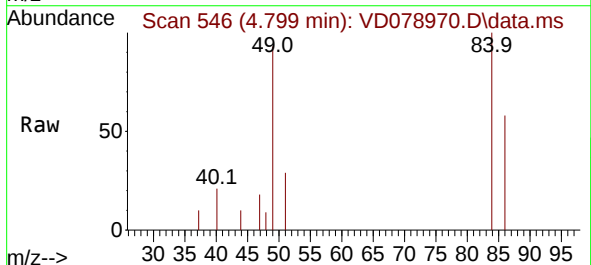
Manual Integrations
APPROVED

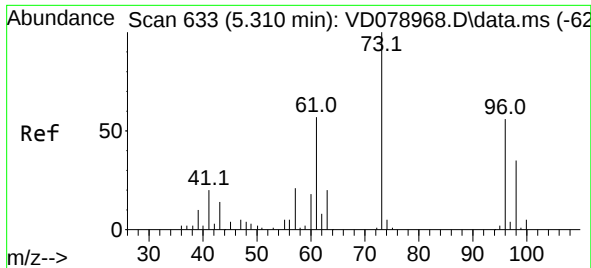
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#16
Methylene chloride
Concen: 2.026 ug/L m
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

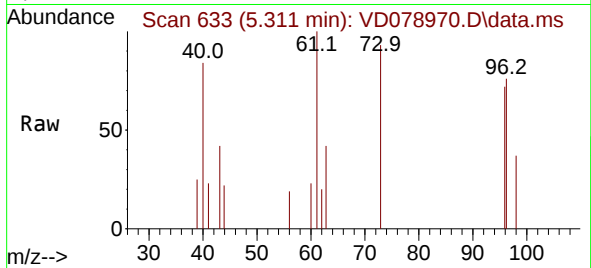
Tgt Ion: 84 Resp: 6470
Ion Ratio Lower Upper
84 100
86 57.6 43.7 81.1
49 93.1 64.0 119.0





#17
trans-1,2-Dichloroethene
Concen: 1.069 ug/L m
RT: 5.311 min Scan# 611
Delta R.T. 0.000 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

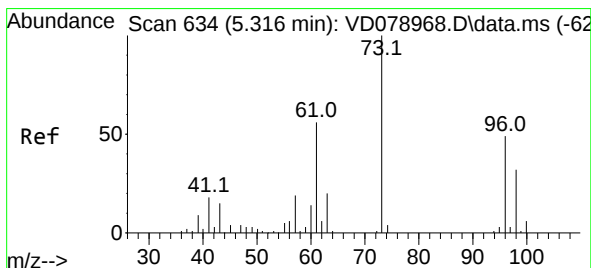
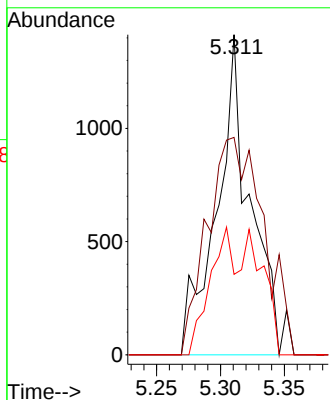
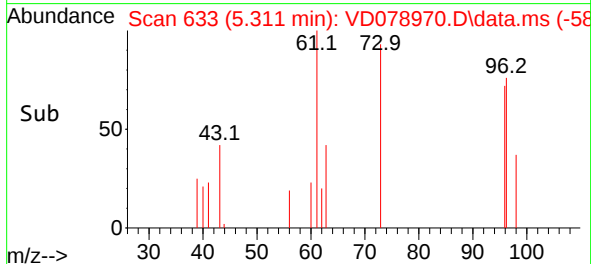
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2024-04



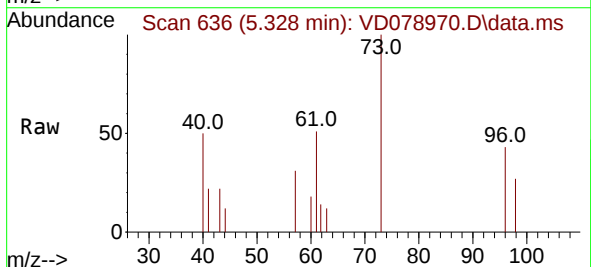
Tgt Ion: 96 Resp: 2538
Ion Ratio Lower Upper
96 100
61 132.2 75.5 140.1
98 48.9 39.1 72.7

Manual Integrations
APPROVED

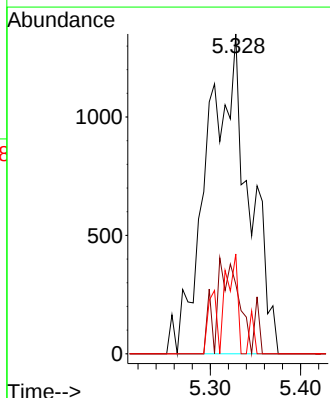
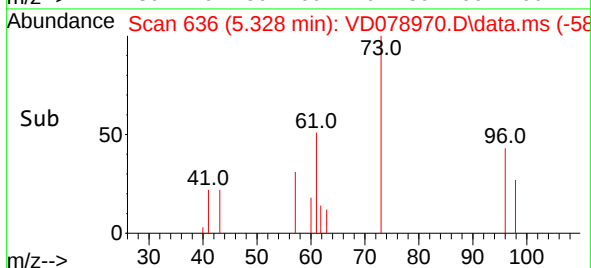
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024

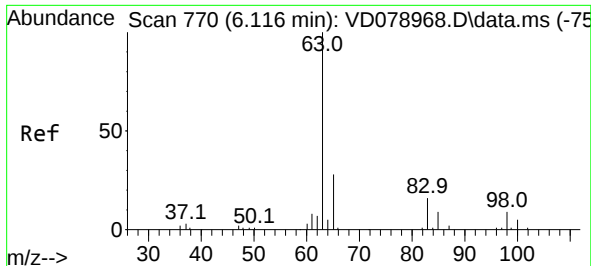


#18
Methyl tert-butyl Ether
Concen: 0.846 ug/L m
RT: 5.328 min Scan# 636
Delta R.T. 0.012 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53



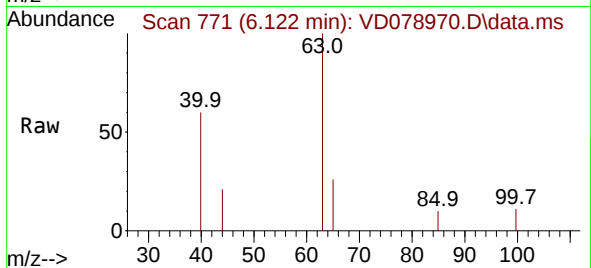
Tgt Ion: 73 Resp: 4279
Ion Ratio Lower Upper
73 100
43 5.6 6.7 10.1#
57 4.1 16.8 25.2#





#19
1,1-Dichloroethane
Concen: 1.109 ug/L m
RT: 6.122 min Scan# 71
Delta R.T. 0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

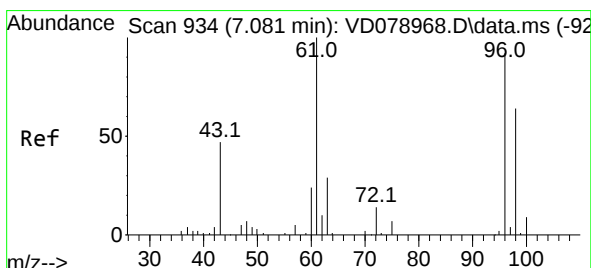
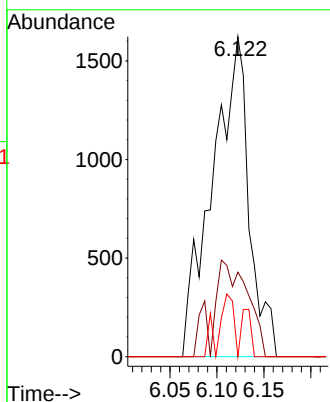
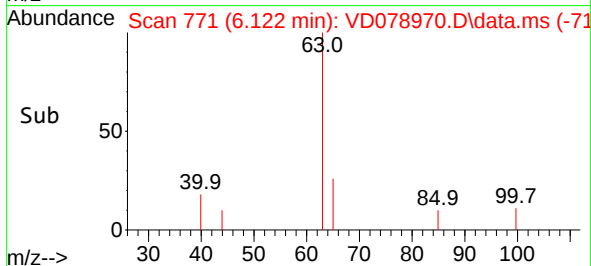
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2024-04



Tgt Ion: 63 Resp: 442
Ion Ratio Lower Upper
63 100
65 26.4 23.5 43.7
83 0.0 10.4 19.2

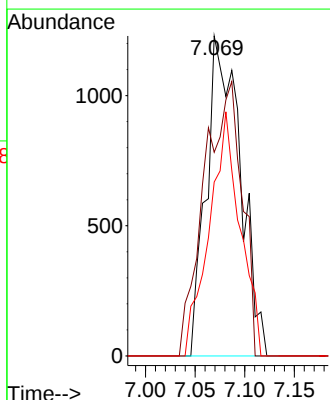
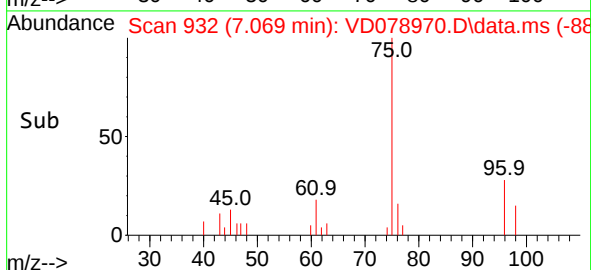
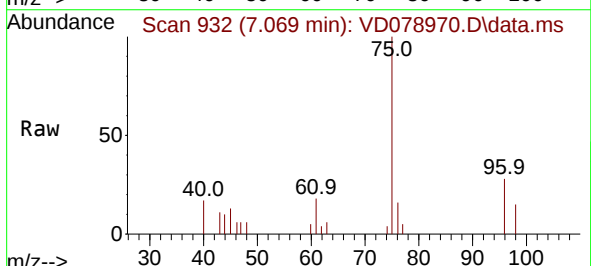
Manual Integrations
APPROVED

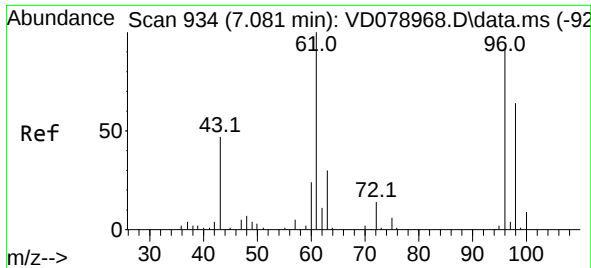
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#20
cis-1,2-Dichloroethene
Concen: 1.081 ug/L m
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

Tgt Ion: 96 Resp: 2926
Ion Ratio Lower Upper
96 100
61 63.6 71.6 133.0#
98 54.4 40.1 74.5





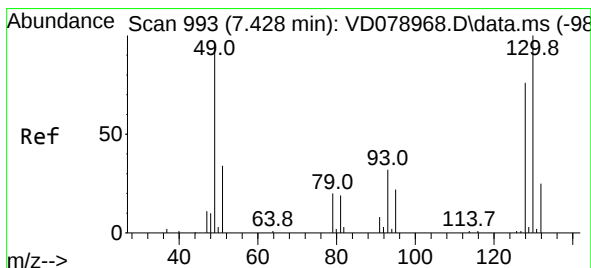
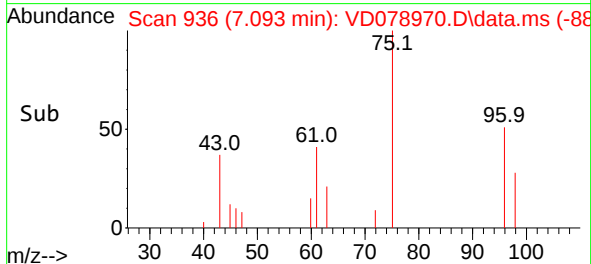
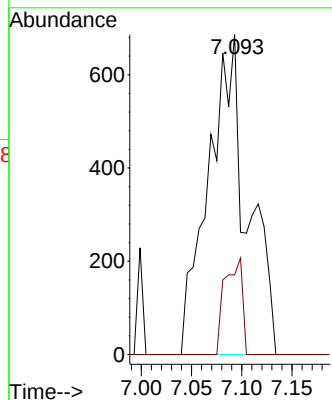
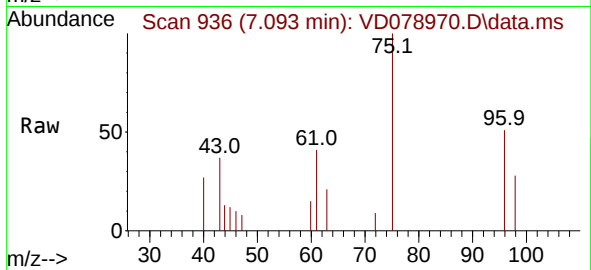
#22
2-Butanone
Concen: 2.852 ug/L m
RT: 7.093 min Scan# 911
Delta R.T. 0.012 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2024-04

Tgt Ion: 43 Resp: 185
Ion Ratio Lower Upper
43 100
72 3.9 17.1 51.2

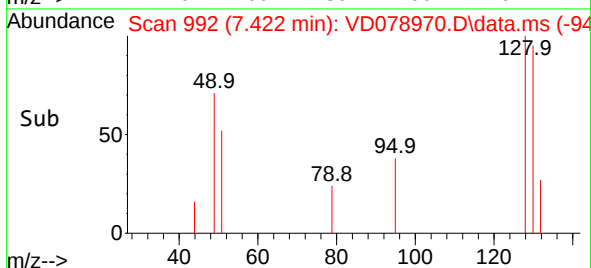
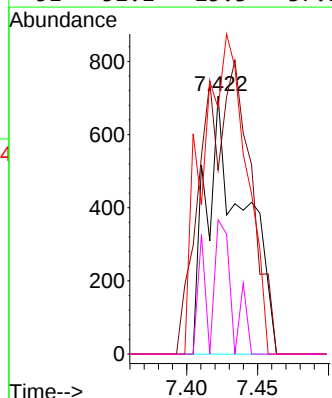
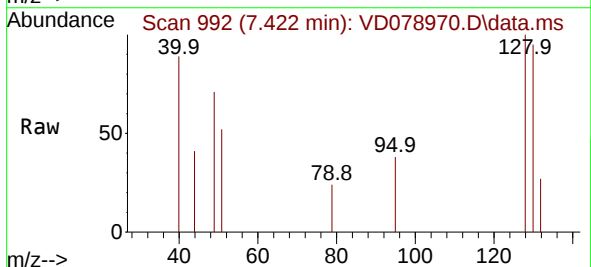
Manual Integrations
APPROVED

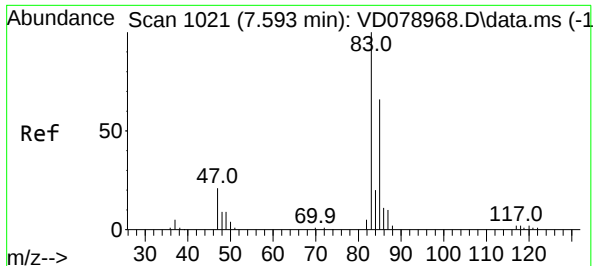
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#23
Bromochloromethane
Concen: 0.967 ug/L m
RT: 7.422 min Scan# 992
Delta R.T. -0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

Tgt Ion:128 Resp: 1308
Ion Ratio Lower Upper
128 100
49 71.3 77.3 143.5#
130 95.5 83.4 154.8
51 52.1 25.3 37.9#





#25

Chloroform

Concen: 2.278 ug/L

RT: 7.593 min Scan# 1091

Delta R.T. 0.000 min

Lab File: VD078970.D

Acq: 20 May 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2024-04

Tgt Ion: 83 Resp: 1091

Ion Ratio Lower Upper

83 100

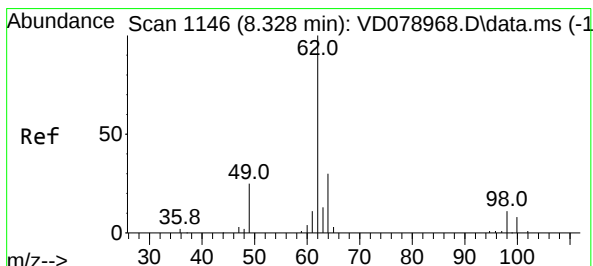
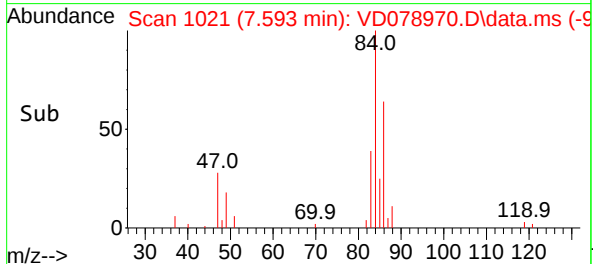
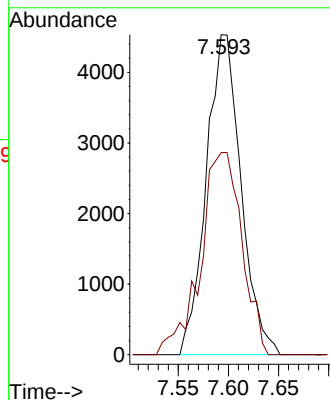
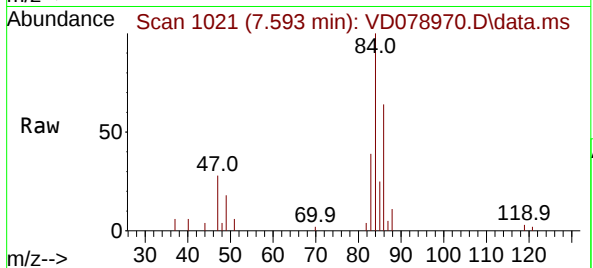
85 63.2 41.8 77.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 05/21/2024

Supervised By :Semsettin Yesilyurt 05/21/2024



#27

1,2-Dichloroethane

Concen: 1.119 ug/L

RT: 8.322 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VD078970.D

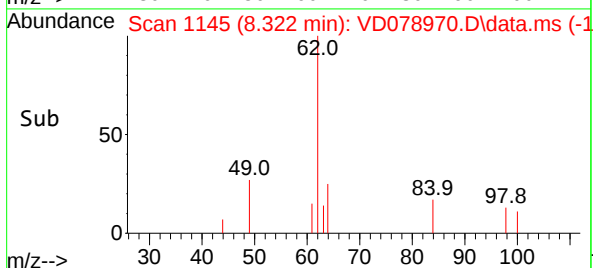
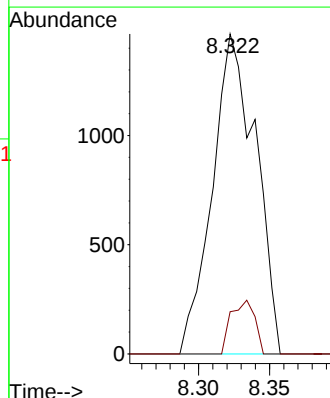
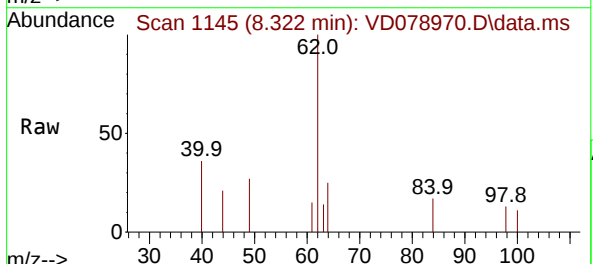
Acq: 20 May 2024 14:53

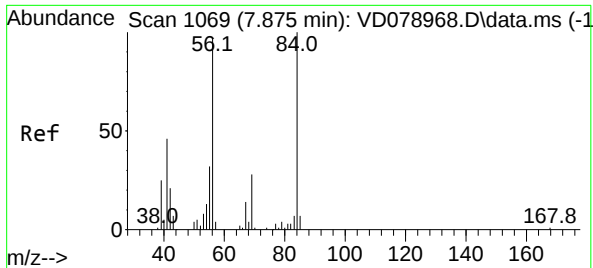
Tgt Ion: 62 Resp: 3106

Ion Ratio Lower Upper

62 100

98 13.2 10.2 15.4





#29

Cyclohexane

Concen: 0.887 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD078970.D

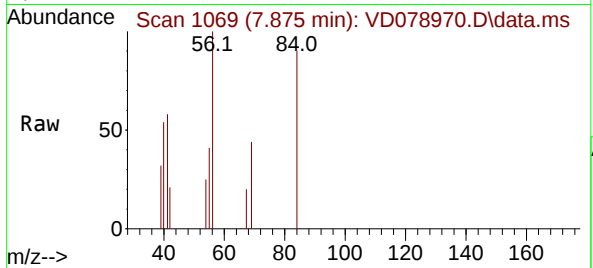
Acq: 20 May 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2024-04

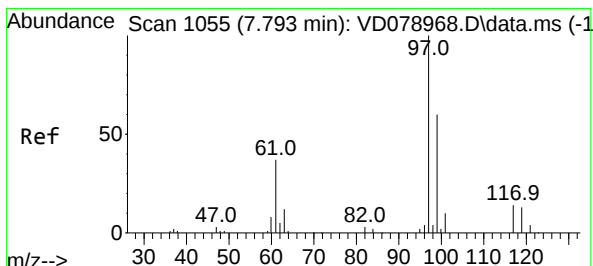
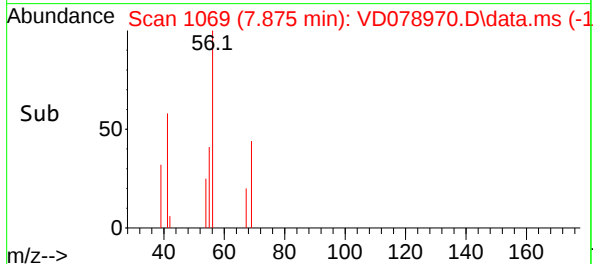
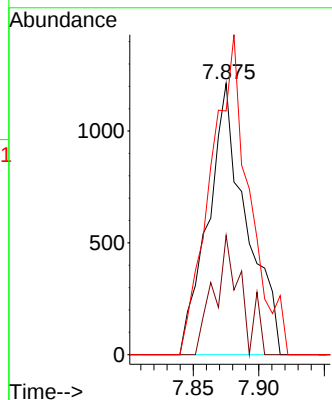


Tgt Ion:	56	Resp:	244
Ion Ratio	Lower	Upper	
56	100		
69	17.3	25.2	37.8
84	116.5	83.4	125.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#30

1,1,1-Trichloroethane

Concen: 1.053 ug/L m

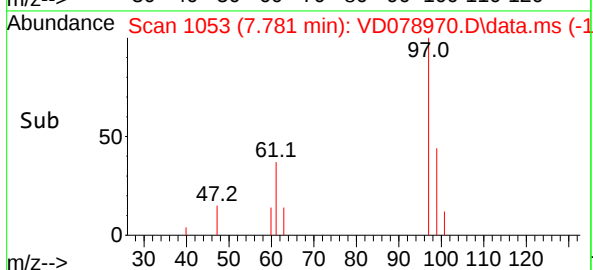
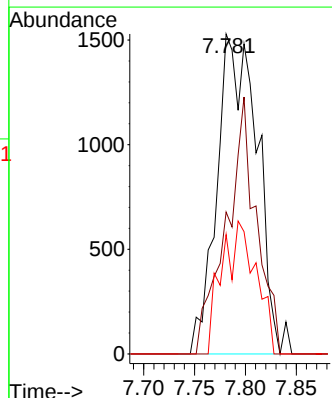
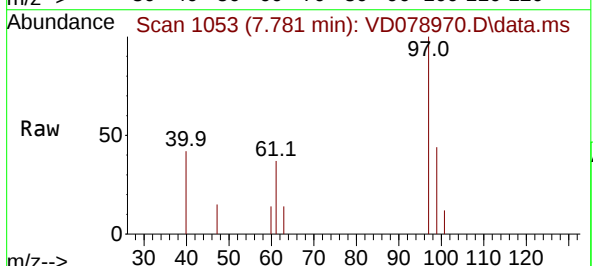
RT: 7.781 min Scan# 1053

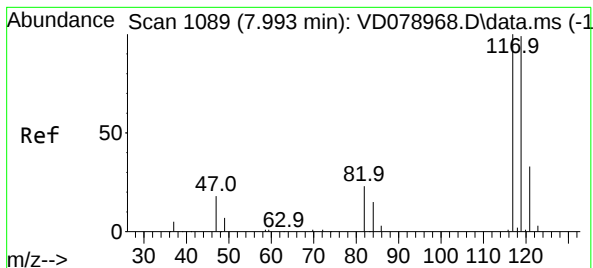
Delta R.T. -0.012 min

Lab File: VD078970.D

Acq: 20 May 2024 14:53

Tgt Ion:	97	Resp:	4174
Ion Ratio	Lower	Upper	
97	100		
99	0.0	52.6	78.8
61	13.8	32.6	48.8





#31

Carbon tetrachloride

Concen: 0.925 ug/L

RT: 7.999 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VD078970.D

Acq: 20 May 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2024-04

Tgt Ion:117 Resp: 3370

Ion Ratio Lower Upper

117 100

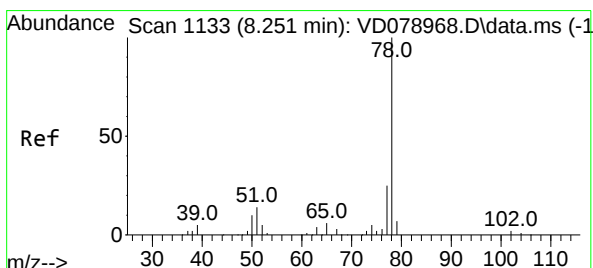
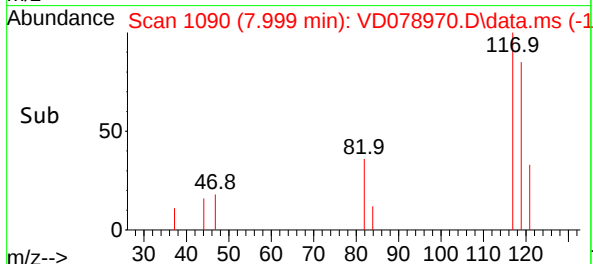
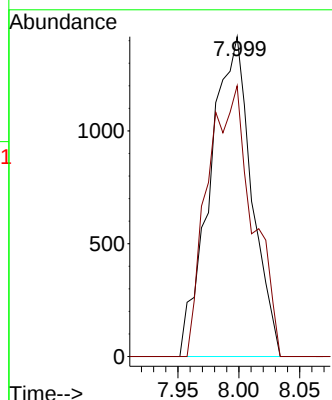
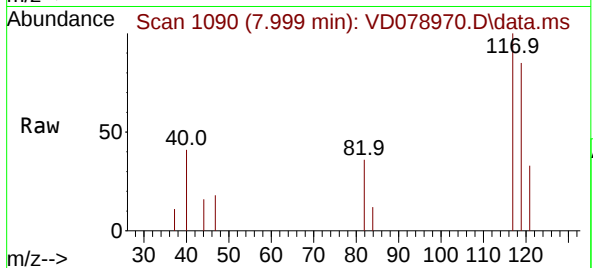
119 20.4 77.7 116.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/21/2024

Supervised By :Semsettin Yesilyurt 05/21/2024



#33

Benzene

Concen: 1.037 ug/L

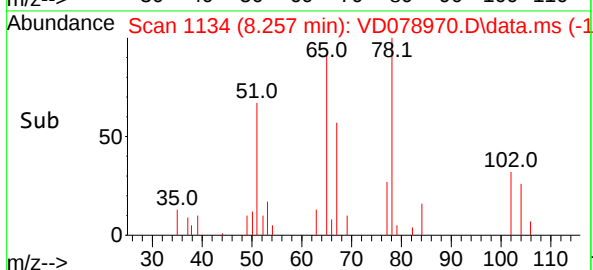
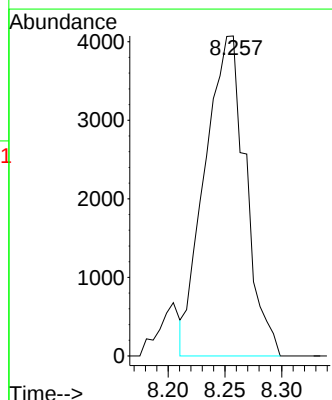
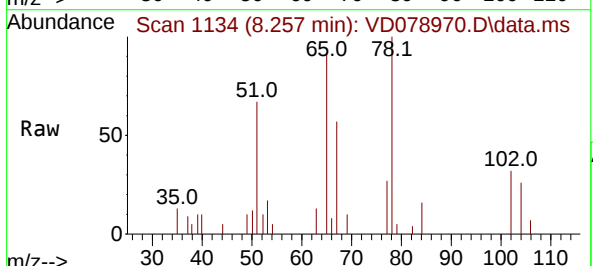
RT: 8.257 min Scan# 1134

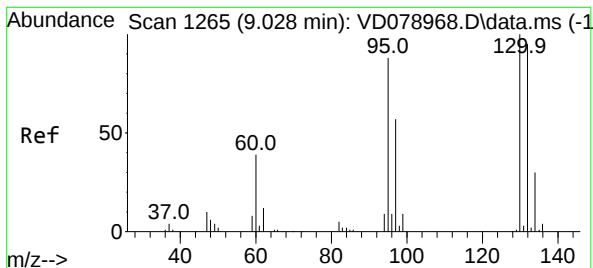
Delta R.T. 0.006 min

Lab File: VD078970.D

Acq: 20 May 2024 14:53

Tgt Ion: 78 Resp: 10182





#34

Trichloroethene

Concen: 1.078 ug/L

RT: 9.022 min Scan# 1305

Delta R.T. -0.006 min

Lab File: VD078970.D

Acq: 20 May 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2024-04

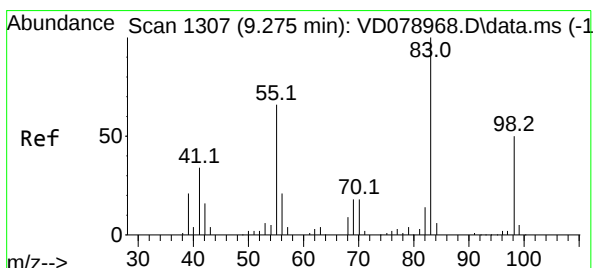
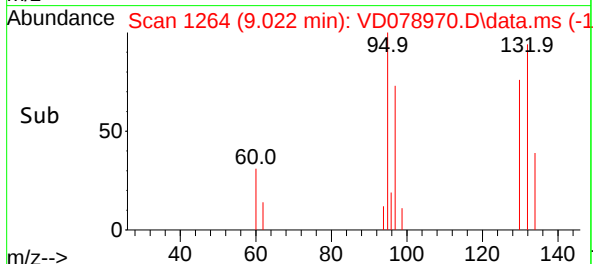
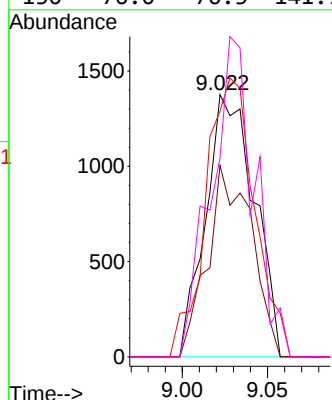
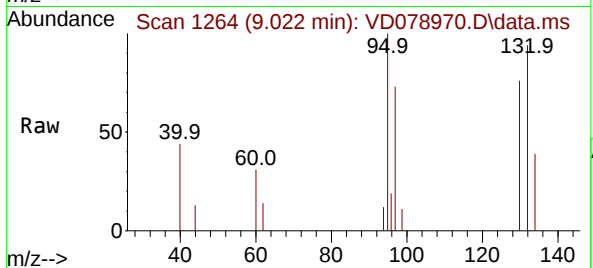
Tgt Ion: 95 Resp: 272

Ion	Ratio	Lower	Upper
95	100		
97	73.0	42.6	79.2
132	93.7	69.5	129.1
130	76.0	76.3	141.7#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#35

Methylcyclohexane

Concen: 0.984 ug/L

RT: 9.263 min Scan# 1305

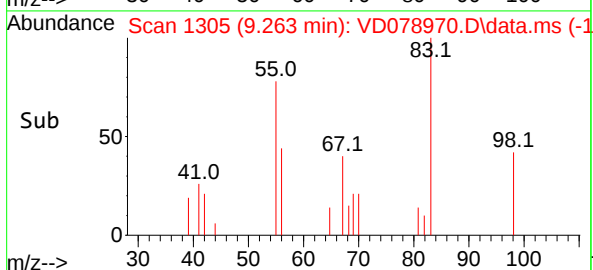
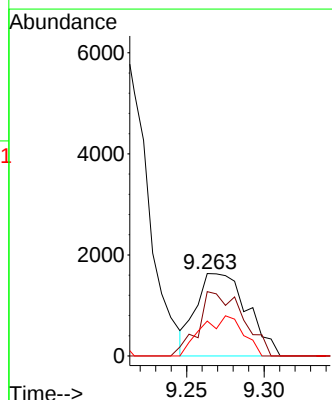
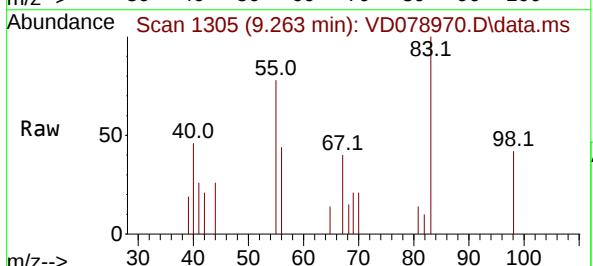
Delta R.T. -0.012 min

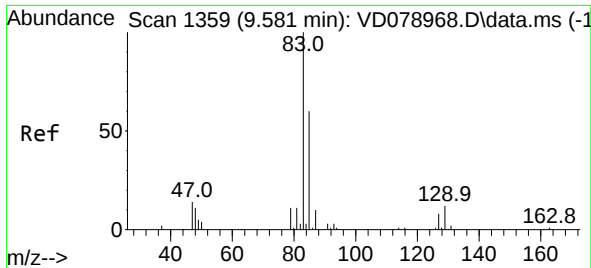
Lab File: VD078970.D

Acq: 20 May 2024 14:53

Tgt Ion: 83 Resp: 3741

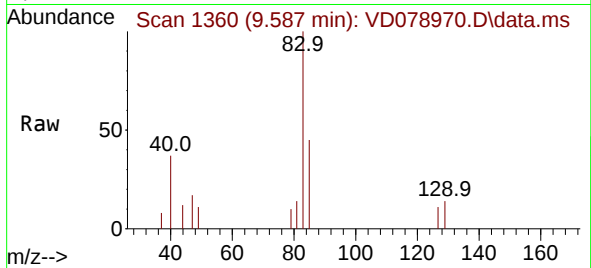
Ion	Ratio	Lower	Upper
83	100		
55	42.2	49.0	73.6#
98	18.8	40.1	60.1#





#38
Bromodichloromethane
Concen: 0.988 ug/L
RT: 9.587 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

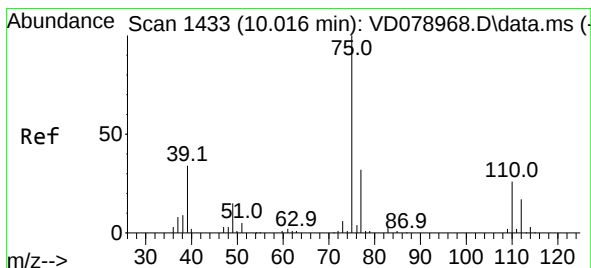
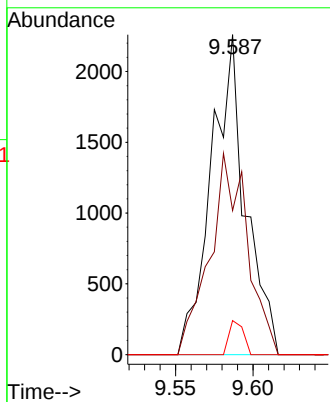
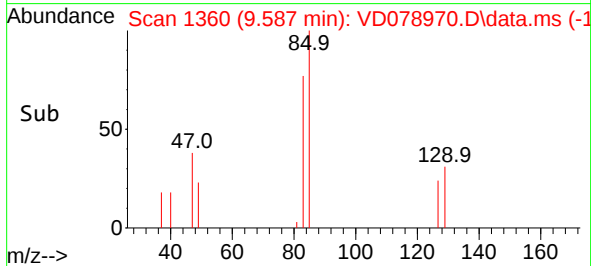
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2024-04



Tgt Ion: 83 Resp: 3470
Ion Ratio Lower Upper
83 100
85 45.0 45.4 84.4
127 10.7 7.6 11.4

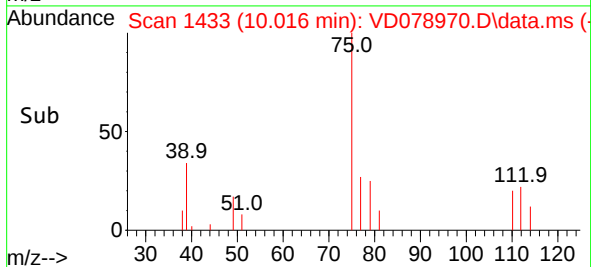
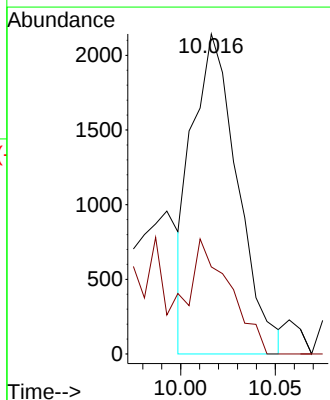
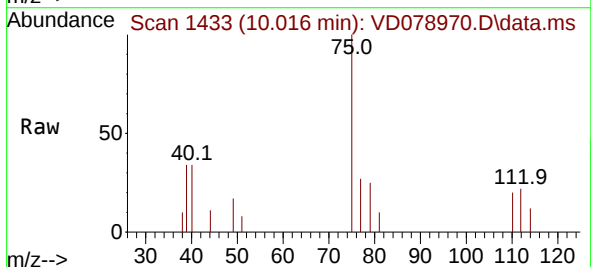
Manual Integrations
APPROVED

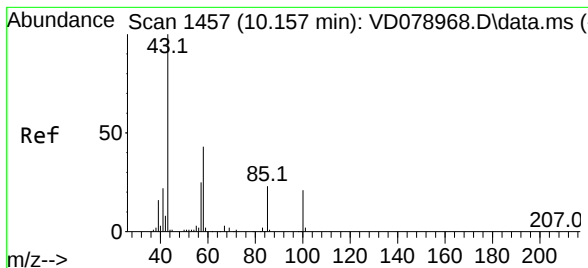
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#39
cis-1,3-Dichloropropene
Concen: 0.915 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

Tgt Ion: 75 Resp: 3573
Ion Ratio Lower Upper
75 100
77 27.2 20.0 37.2





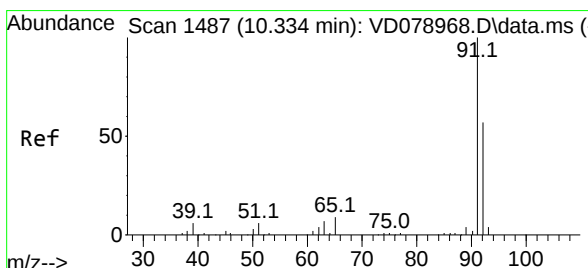
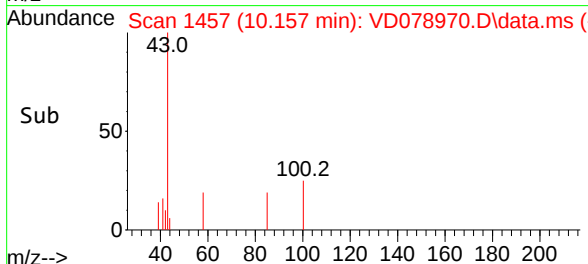
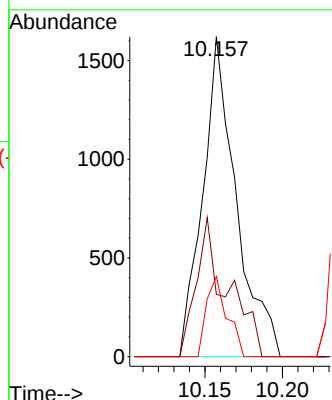
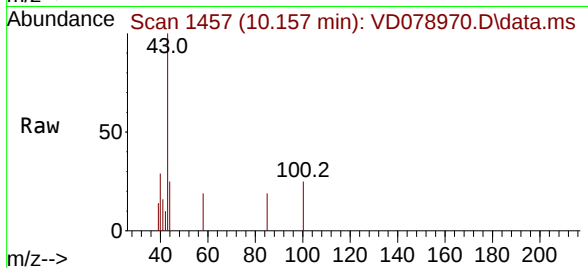
#40
4-Methyl-2-pentanone
Concen: 1.936 ug/L
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT2-2024-04

Tgt Ion: 43 Resp: 2434
Ion Ratio Lower Upper
43 100
58 28.3 38.0 57.0
100 15.4 17.3 25.9

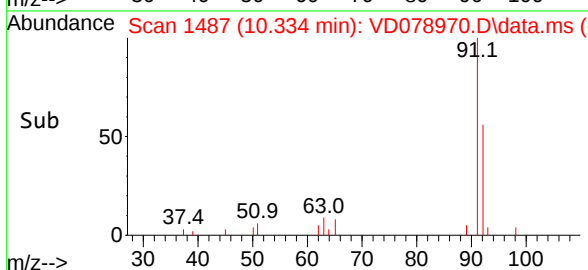
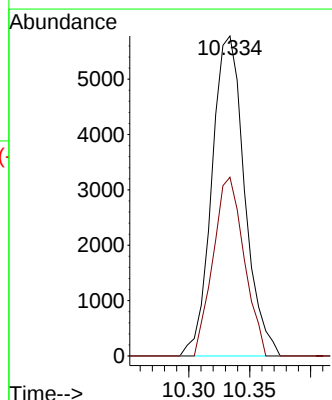
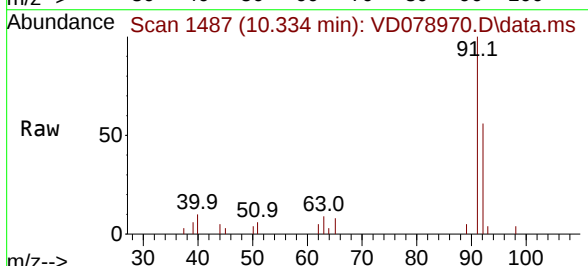
Manual Integrations
APPROVED

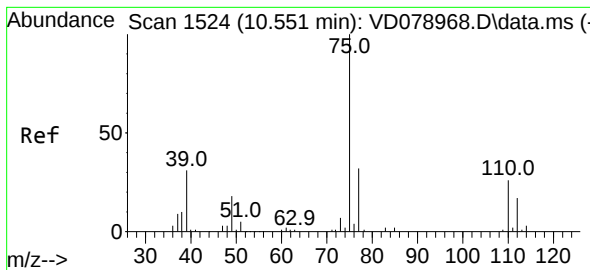
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#42
Toluene
Concen: 1.001 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

Tgt Ion: 91 Resp: 10806
Ion Ratio Lower Upper
91 100
92 55.9 39.5 73.4





#44

trans-1,3-Dichloropropene

Concen: 0.922 ug/L

RT: 10.551 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078970.D

Acq: 20 May 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2024-04

Tgt Ion: 75 Resp: 318

Ion Ratio Lower Upper

75 100

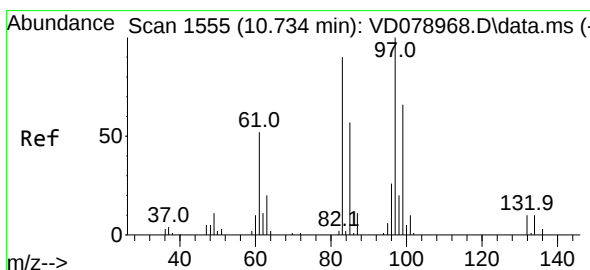
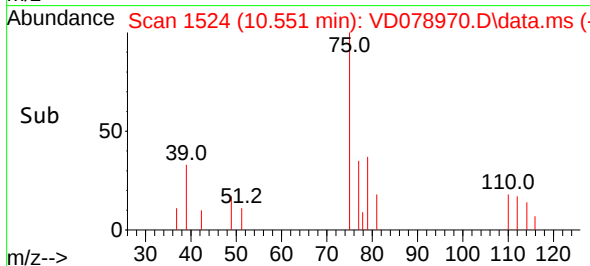
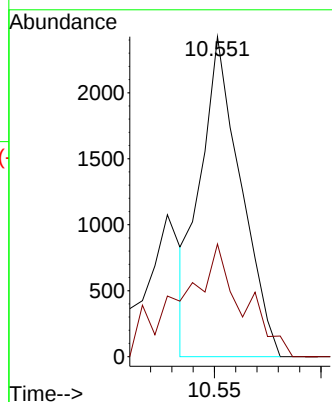
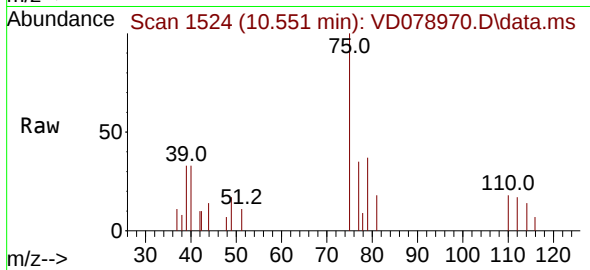
77 35.2 21.8 40.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/21/2024

Supervised By :Semsettin Yesilyurt 05/21/2024



#45

1,1,2-Trichloroethane

Concen: 1.048 ug/L

RT: 10.728 min Scan# 1554

Delta R.T. -0.006 min

Lab File: VD078970.D

Acq: 20 May 2024 14:53

Tgt Ion: 97 Resp: 2385

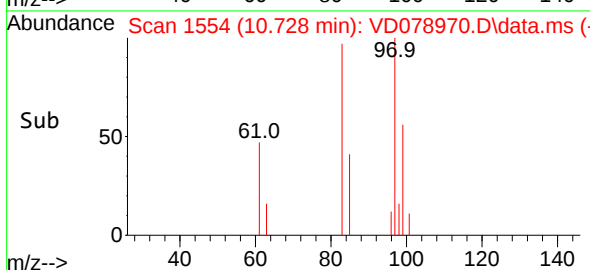
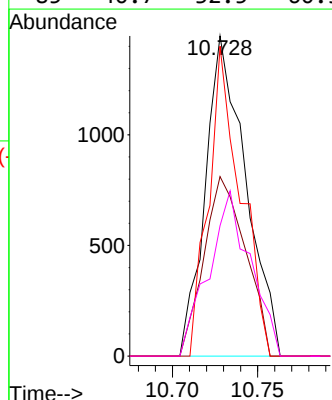
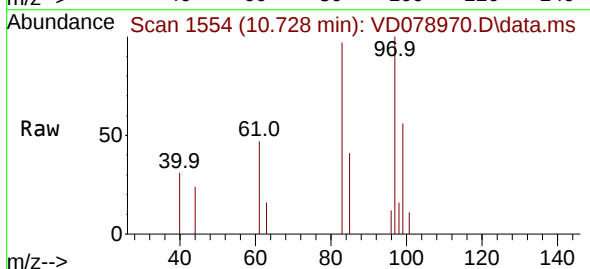
Ion Ratio Lower Upper

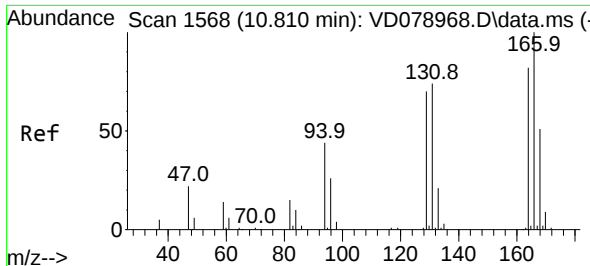
97 100

99 56.0 39.1 72.7

83 96.8 54.6 101.4

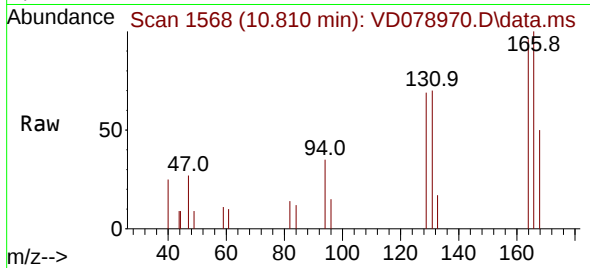
85 40.7 32.5 60.3





#46
Tetrachloroethene
Concen: 1.112 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

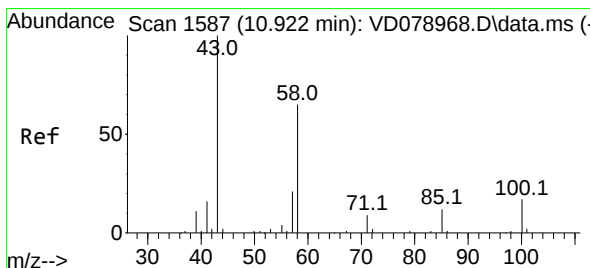
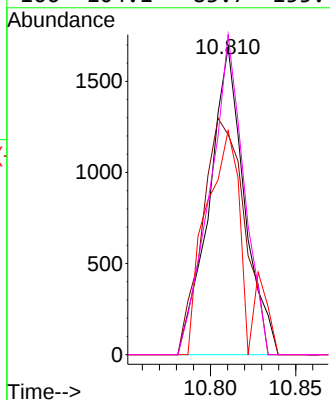
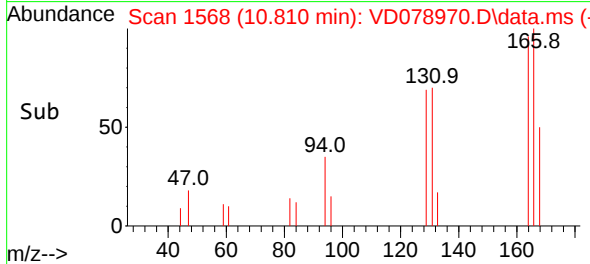
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2024-04



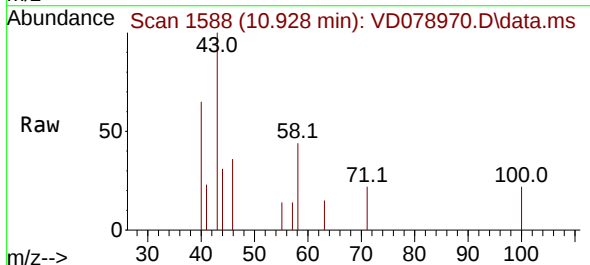
Tgt Ion:164 Resp: 242
Ion Ratio Lower Upper
164 100
129 71.6 63.3 117.7
131 72.9 60.8 112.8
166 104.1 83.7 155.4

Manual Integrations
APPROVED

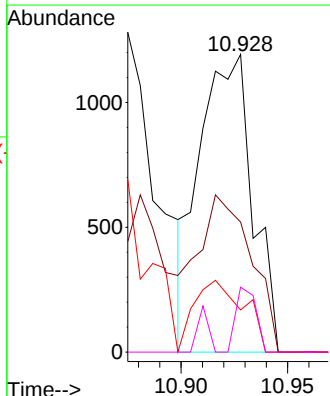
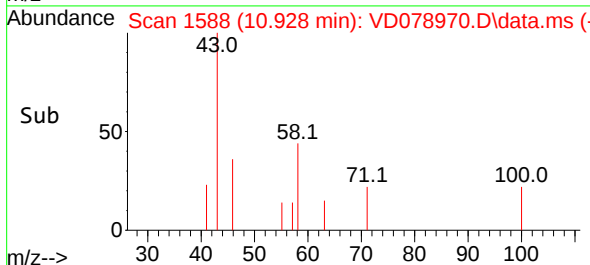
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024

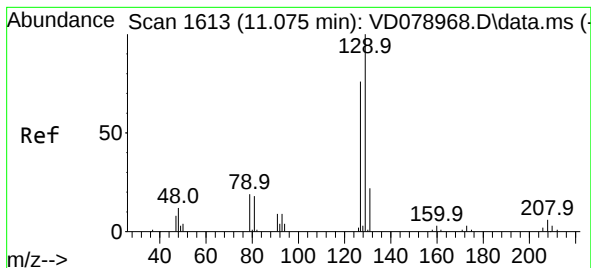


#48
2-Hexanone
Concen: 2.110 ug/L
RT: 10.928 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53



Tgt Ion: 43 Resp: 2056
Ion Ratio Lower Upper
43 100
58 53.9 53.4 80.2
57 19.0 17.0 25.4
100 8.4 14.3 21.5#





#49

Dibromochloromethane

Concen: 0.992 ug/L

RT: 11.069 min Scan# 1612

Delta R.T. -0.006 min

Lab File: VD078970.D

Acq: 20 May 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

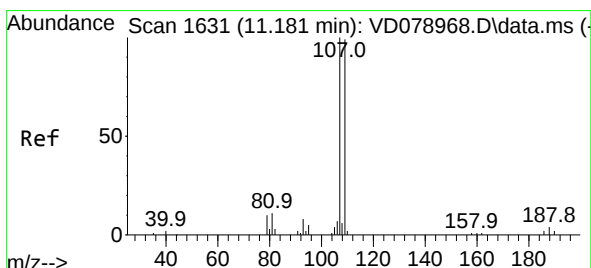
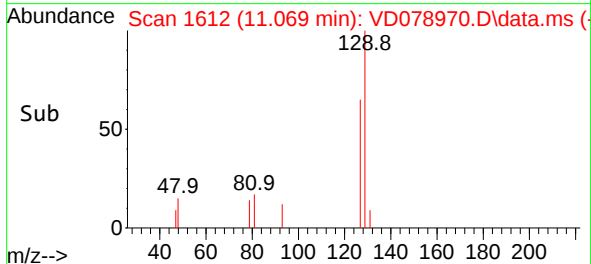
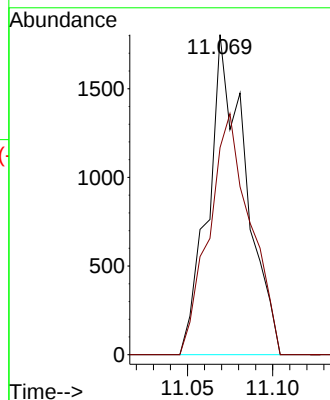
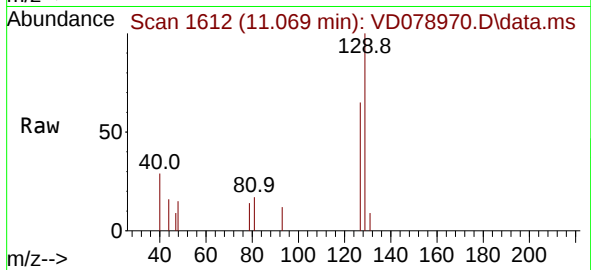
MDL-SOIL-QT2-2024-04

Tgt Ion:129 Resp: 2745
 Ion Ratio Lower Upper
 129 100
 127 64.7 54.8 101.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/21/2024
 Supervised By :Semsettin Yesilyurt 05/21/2024



#50

1,2-Dibromoethane

Concen: 1.000 ug/L

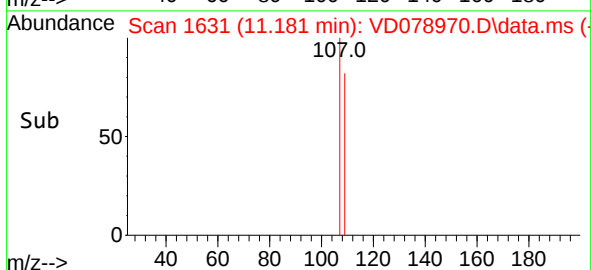
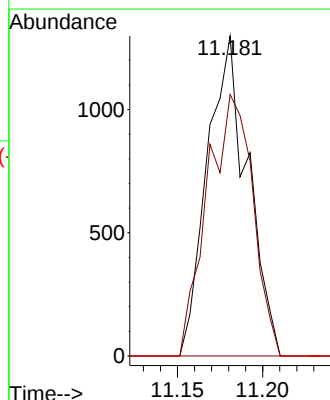
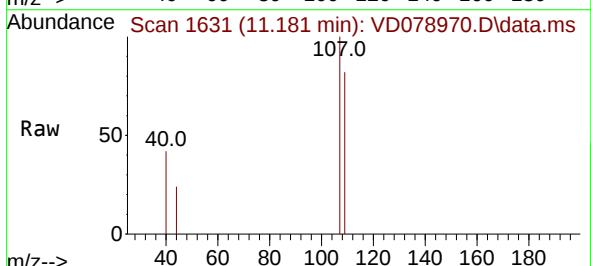
RT: 11.181 min Scan# 1631

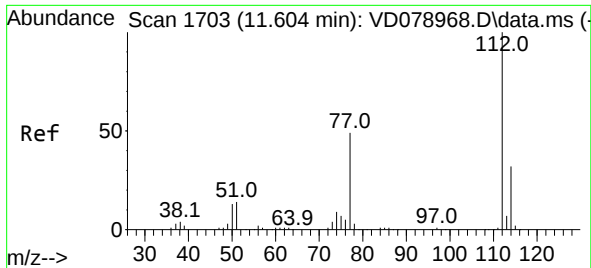
Delta R.T. 0.000 min

Lab File: VD078970.D

Acq: 20 May 2024 14:53

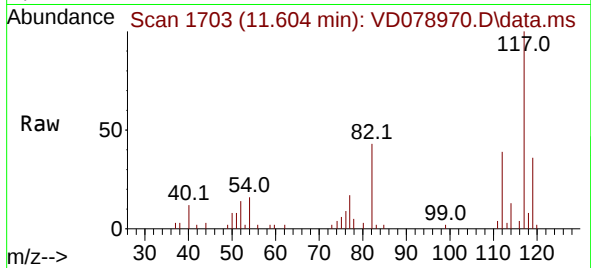
Tgt Ion:107 Resp: 2150
 Ion Ratio Lower Upper
 107 100
 109 81.7 67.0 124.4
 188 0.0 3.4 5.2#





#51
Chlorobenzene
Concen: 0.993 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

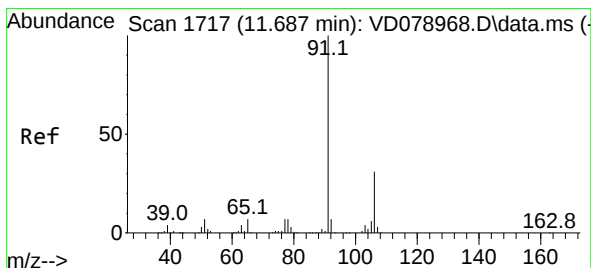
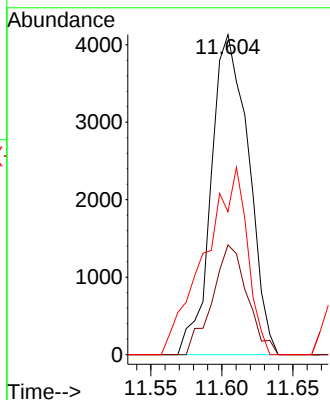
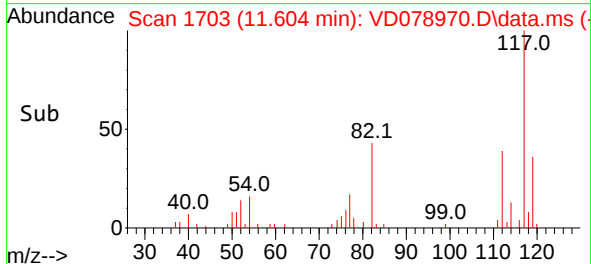
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2024-04



Tgt Ion: 112 Resp: 7574
Ion Ratio Lower Upper
112 100
114 34.3 22.5 41.9
77 44.6 39.4 59.0

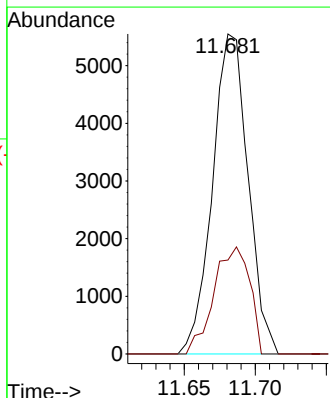
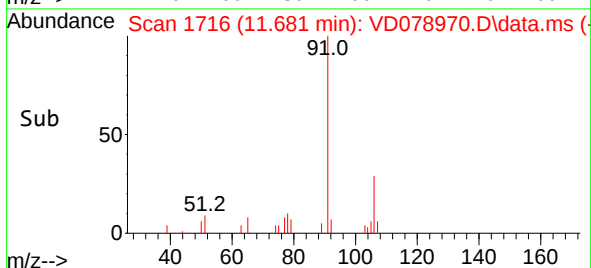
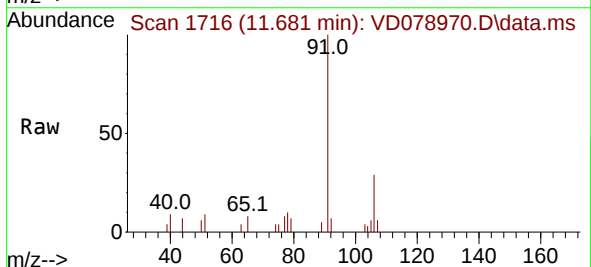
Manual Integrations
APPROVED

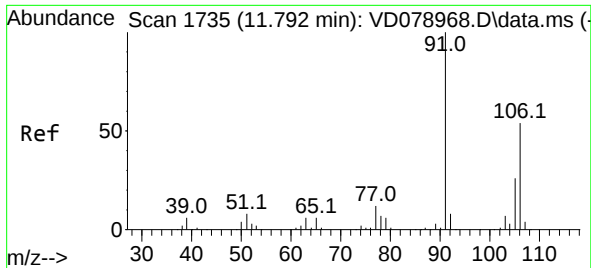
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#52
Ethylbenzene
Concen: 0.830 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

Tgt Ion: 91 Resp: 9666
Ion Ratio Lower Upper
91 100
106 29.3 21.6 40.2





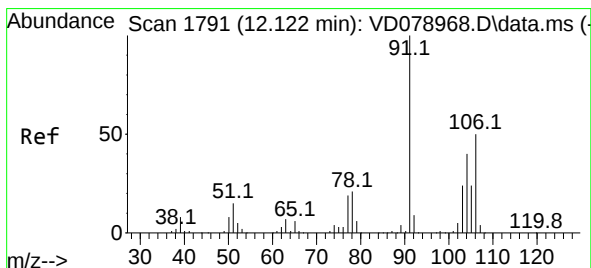
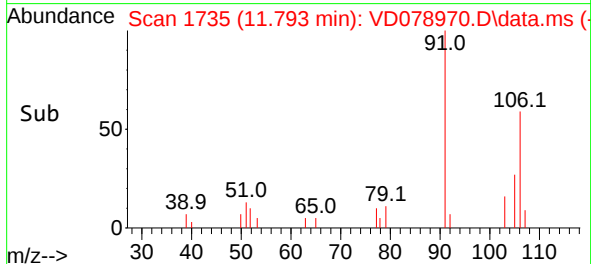
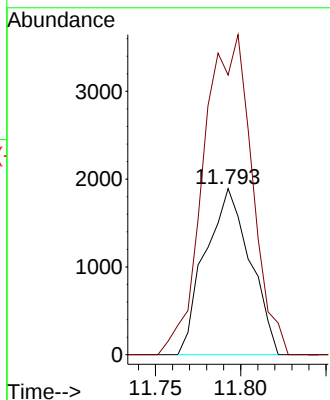
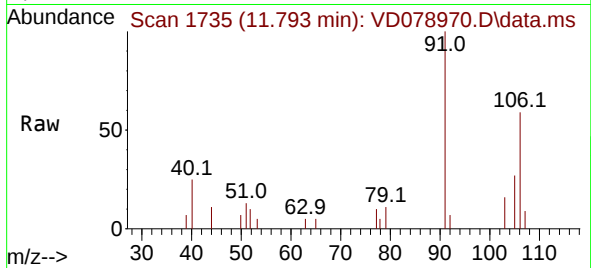
#53
m,p-Xylene
Concen: 0.744 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2024-04

Tgt Ion:106 Resp: 3469
Ion Ratio Lower Upper
106 100
91 168.4 128.3 238.3

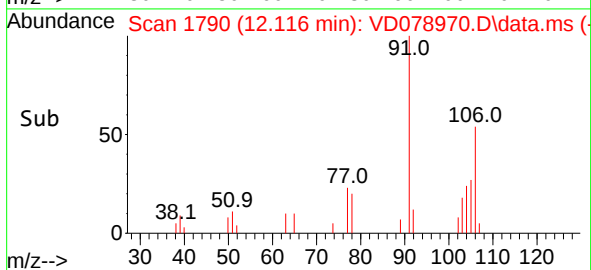
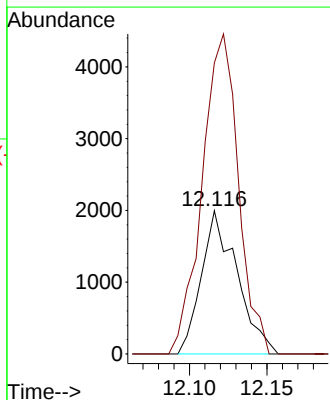
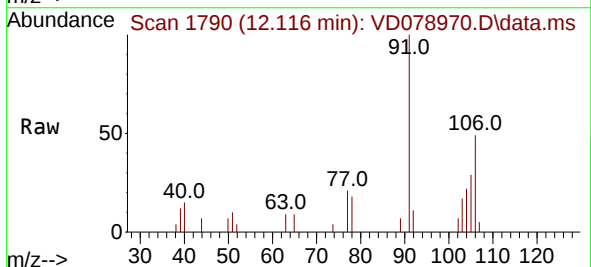
Manual Integrations
APPROVED

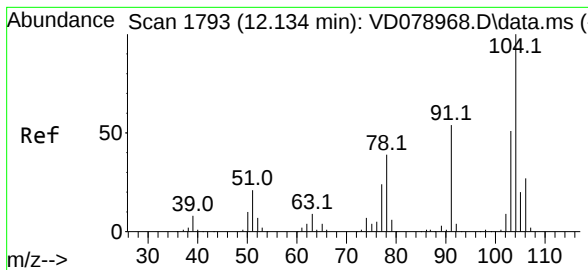
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#54
o-Xylene
Concen: 0.702 ug/L
RT: 12.116 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

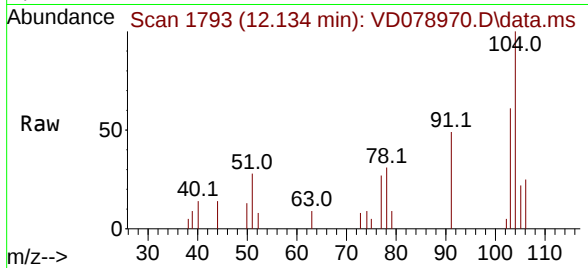
Tgt Ion:106 Resp: 3187
Ion Ratio Lower Upper
106 100
91 203.2 138.3 256.9





#55
Styrene
Concen: 0.675 ug/L
RT: 12.134 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

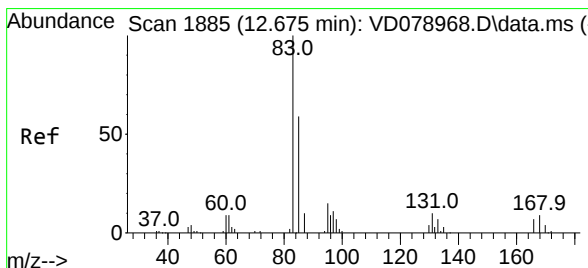
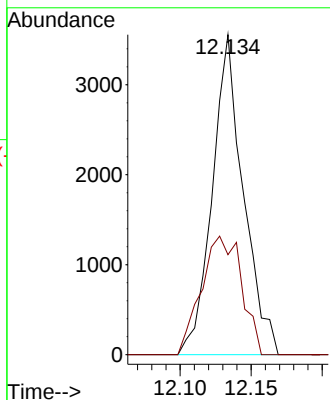
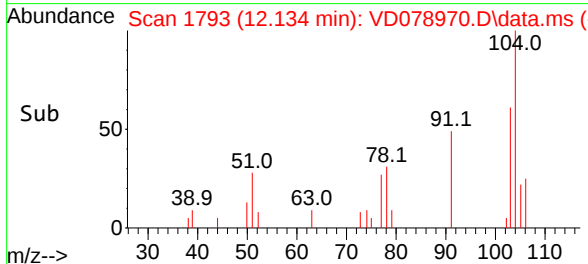
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2024-04



Tgt Ion:104 Resp: 5414
Ion Ratio Lower Upper
104 100
78 31.2 27.8 51.6

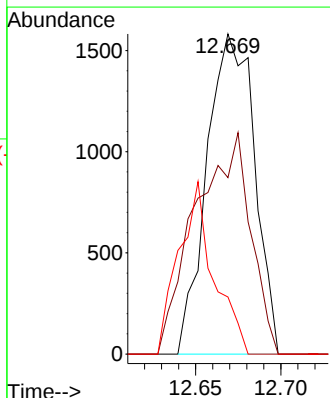
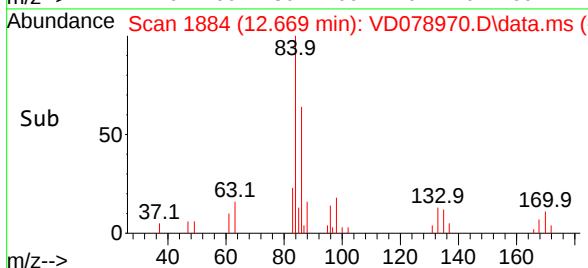
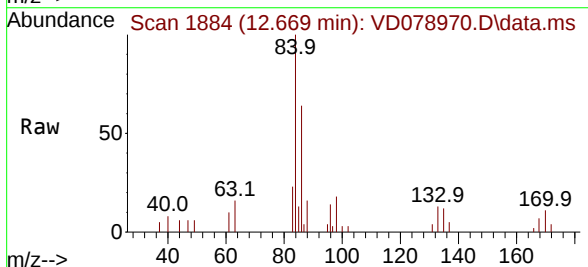
Manual Integrations
APPROVED

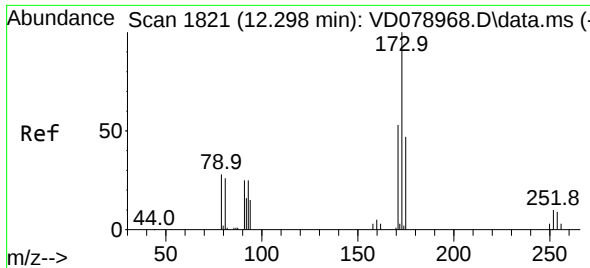
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#57
1,1,2,2-Tetrachloroethane
Concen: 1.114 ug/L
RT: 12.669 min Scan# 1884
Delta R.T. -0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

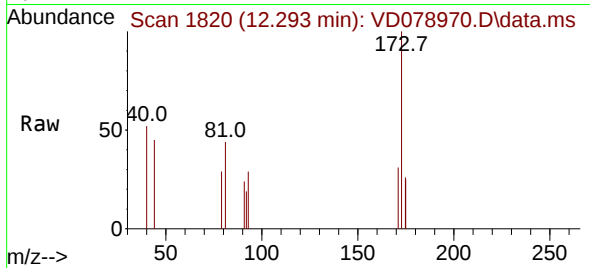
Tgt Ion: 83 Resp: 3074
Ion Ratio Lower Upper
83 100
85 55.1 44.3 82.3
131 17.8 7.5 11.3#





#59
Bromoform
Concen: 0.983 ug/L
RT: 12.293 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

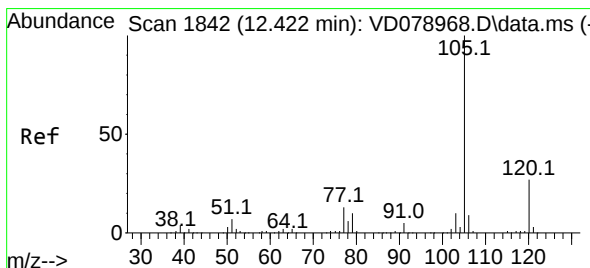
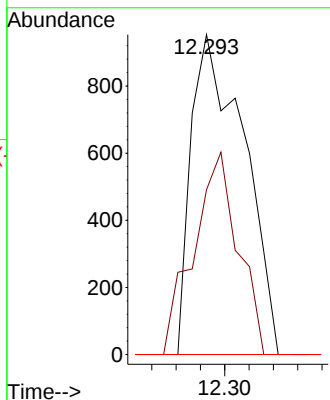
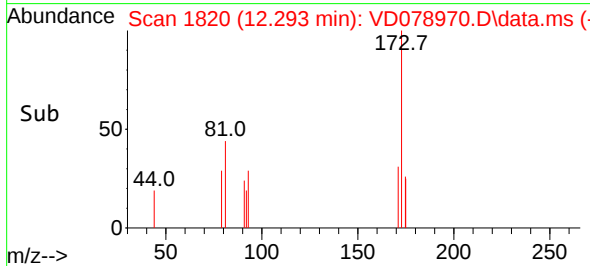
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2024-04



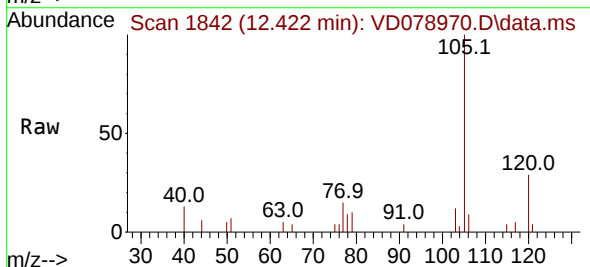
Tgt Ion:173 Resp: 1430
Ion Ratio Lower Upper
173 100
175 53.3 40.0 60.0
254 0.0 6.3 9.5

Manual Integrations
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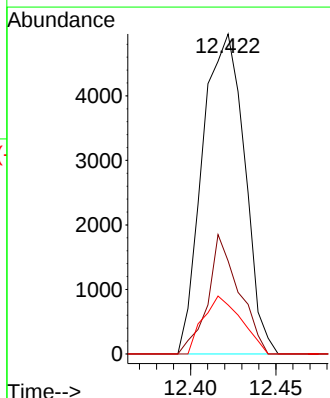
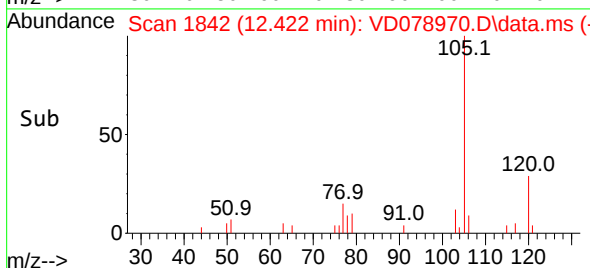
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024

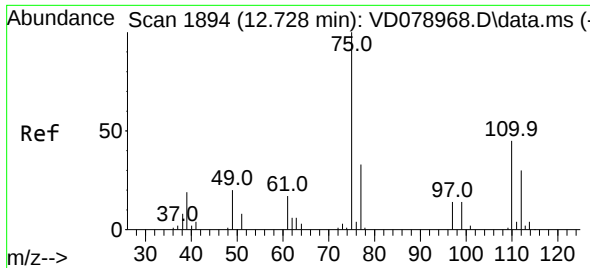


#60
Isopropylbenzene
Concen: 0.894 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53



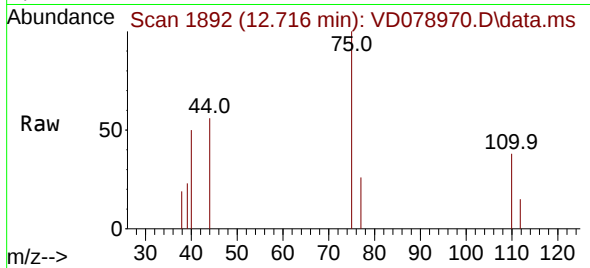
Tgt Ion:105 Resp: 8530
Ion Ratio Lower Upper
105 100
120 27.5 21.8 32.8
77 16.4 11.7 17.5





#61
1,2,3-Trichloropropane
Concen: 0.980 ug/L
RT: 12.716 min Scan# 11
Delta R.T. -0.012 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

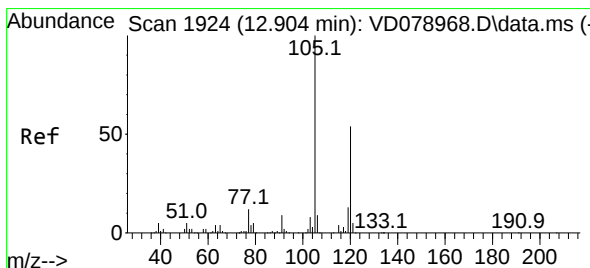
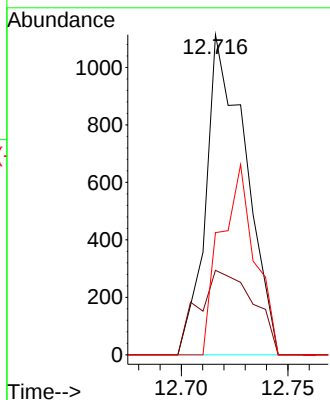
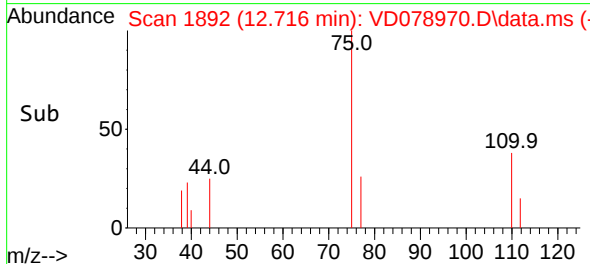
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2024-04



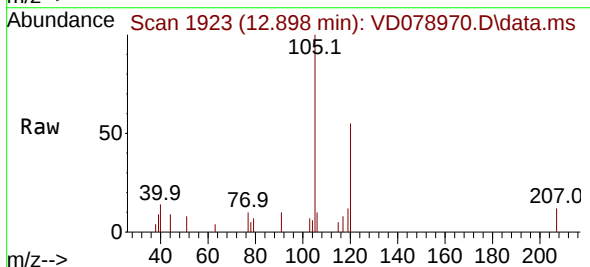
Tgt Ion: 75 Resp: 145
Ion Ratio Lower Upper
75 100
77 36.2 26.2 39.2
110 51.4 37.1 55.7

Manual Integrations
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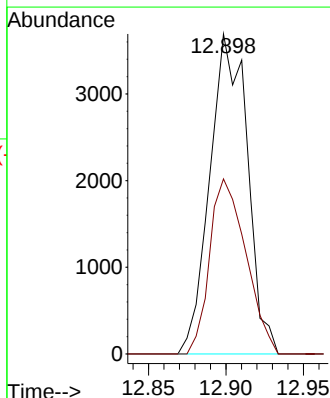
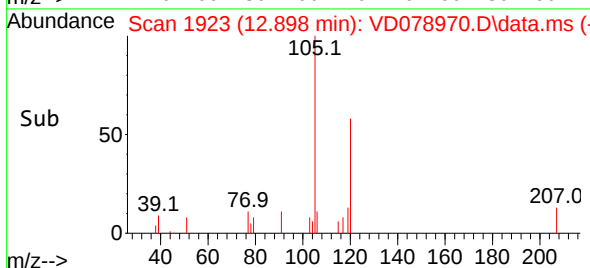
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024

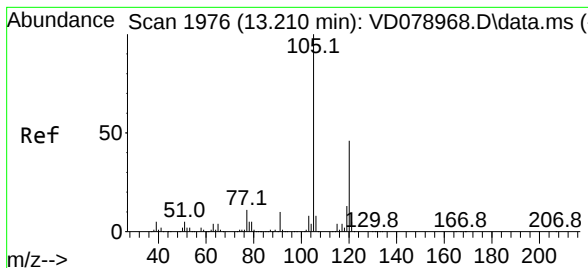


#62
1,3,5-Trimethylbenzene
Concen: 0.879 ug/L
RT: 12.898 min Scan# 1923
Delta R.T. -0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53



Tgt Ion:105 Resp: 6205
Ion Ratio Lower Upper
105 100
120 52.9 41.9 62.9





#63

1,2,4-Trimethylbenzene

Concen: 0.808 ug/L

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD078970.D

Acq: 20 May 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

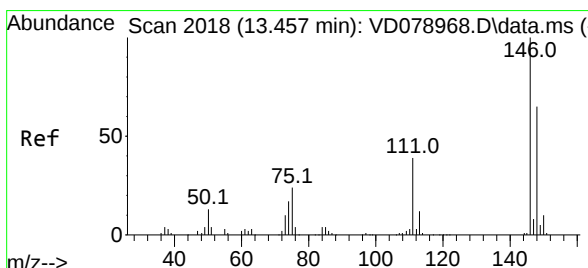
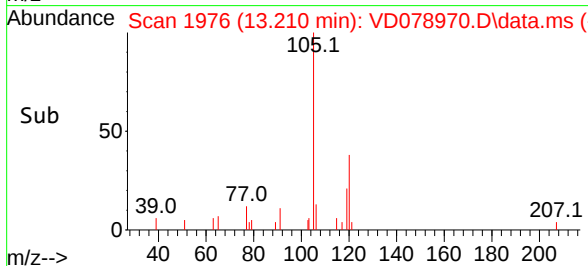
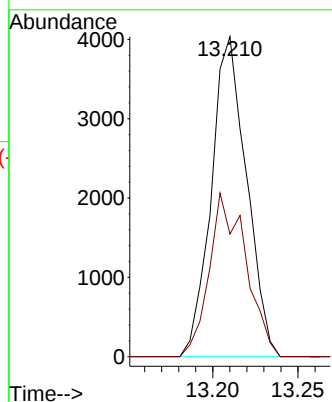
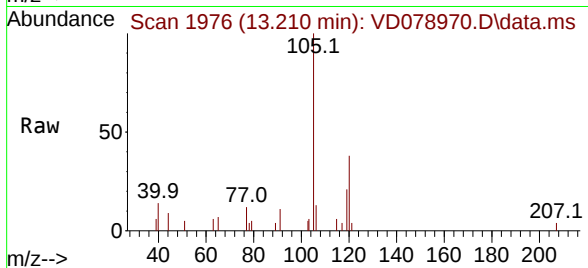
MDL-SOIL-QT2-2024-04

Tgt Ion:105 Resp: 5794
 Ion Ratio Lower Upper
 105 100
 120 53.1 38.8 58.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 05/21/2024
 Supervised By :Semsettin Yesilyurt 05/21/2024



#64

1,3-Dichlorobenzene

Concen: 1.076 ug/L

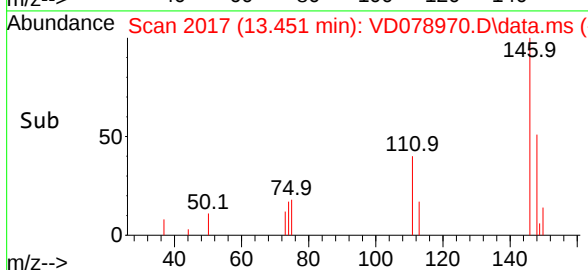
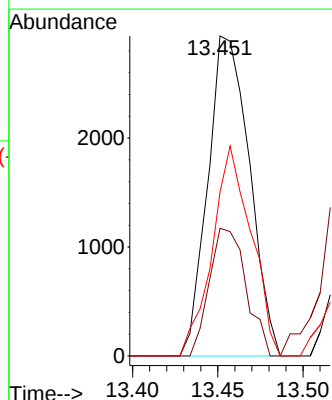
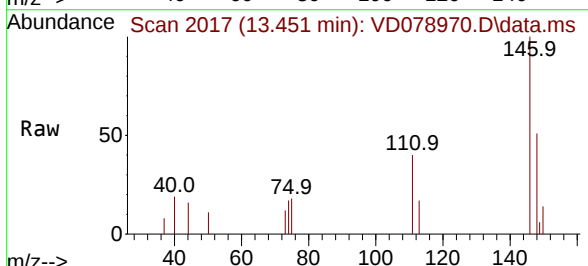
RT: 13.451 min Scan# 2017

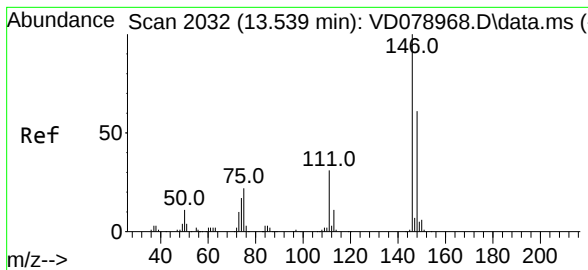
Delta R.T. -0.006 min

Lab File: VD078970.D

Acq: 20 May 2024 14:53

Tgt Ion:146 Resp: 4988
 Ion Ratio Lower Upper
 146 100
 111 39.9 24.0 44.6
 148 51.2 42.9 79.7





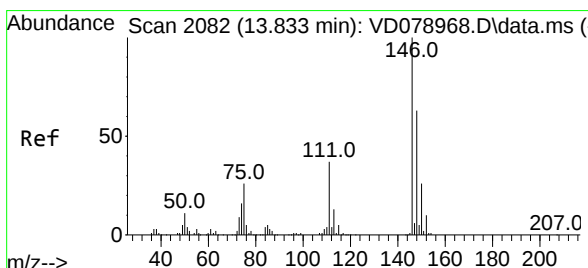
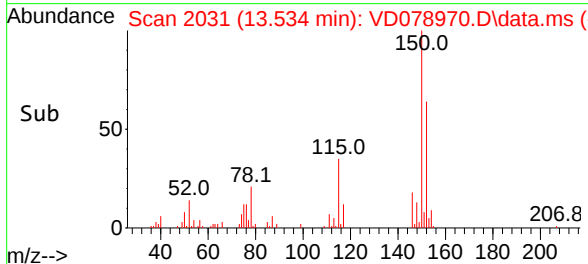
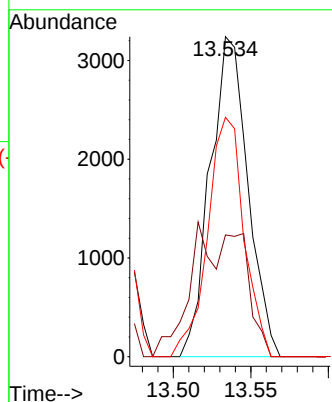
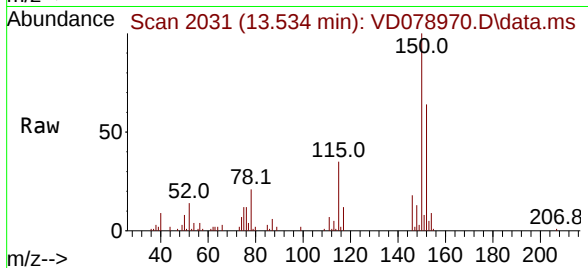
#65
1,4-Dichlorobenzene
Concen: 1.099 ug/L
RT: 13.534 min Scan# 2032
Delta R.T. -0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT2-2024-04

Tgt Ion:146 Resp: 5492
Ion Ratio Lower Upper
146 100
111 38.1 26.9 50.1
148 74.8 46.4 86.2

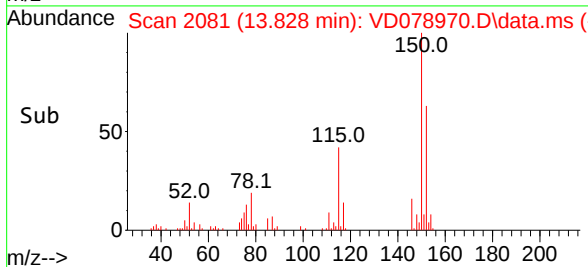
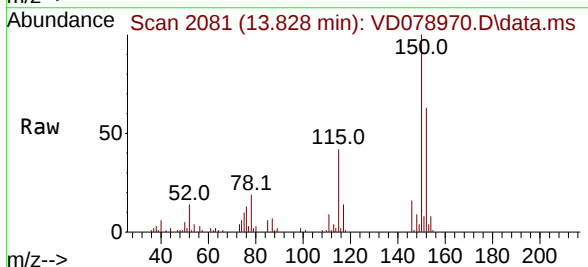
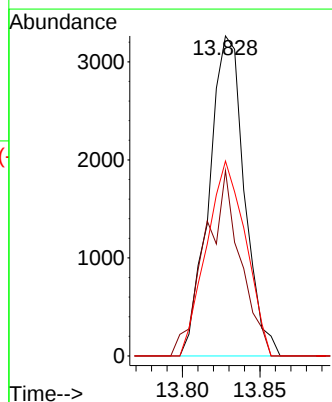
Manual Integrations
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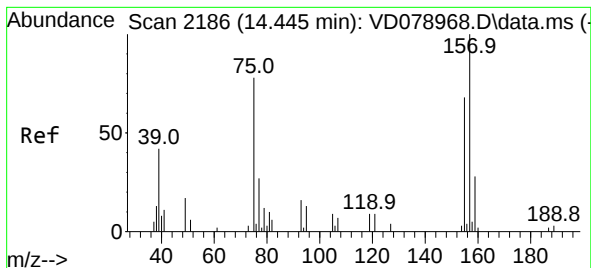
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#67
1,2-Dichlorobenzene
Concen: 1.182 ug/L
RT: 13.828 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

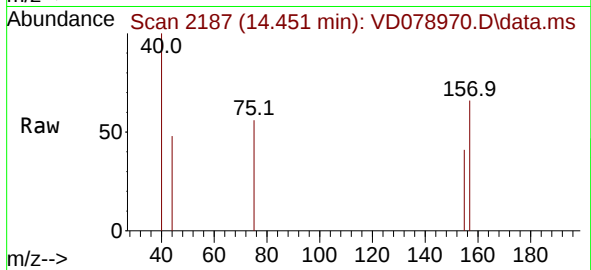
Tgt Ion:146 Resp: 5189
Ion Ratio Lower Upper
146 100
111 57.9 30.9 46.3#
148 60.9 51.4 77.0





#68
1,2-Dibromo-3-chloropropane
Concen: 1.434 ug/L m
RT: 14.451 min Scan# 2187
Delta R.T. 0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

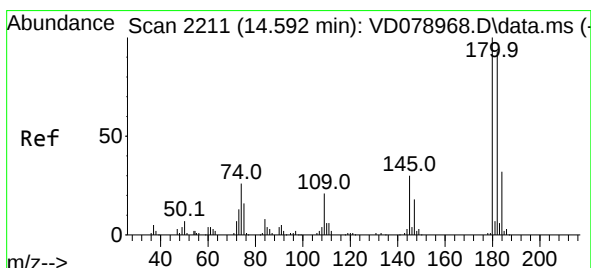
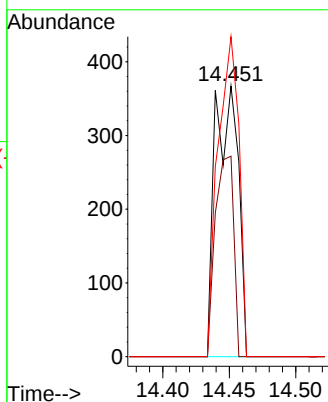
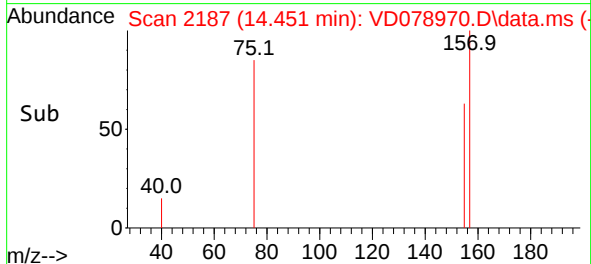
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2024-04



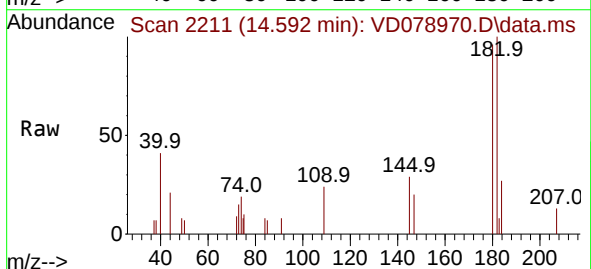
Tgt Ion: 75 Resp: 442
Ion Ratio Lower Upper
75 100
155 74.1 79.8 119.6
157 118.3 99.9 149.9

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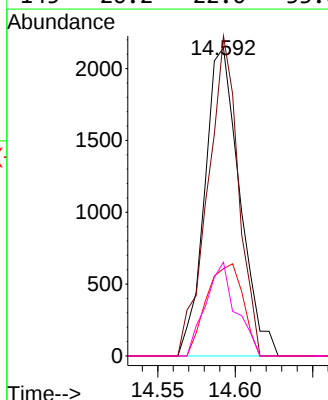
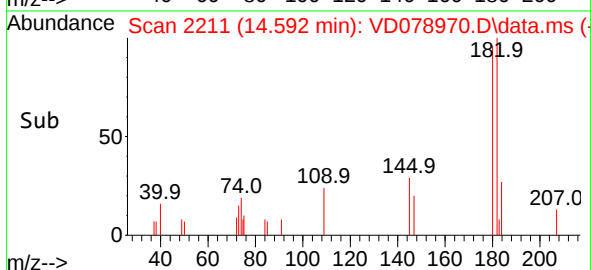
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024

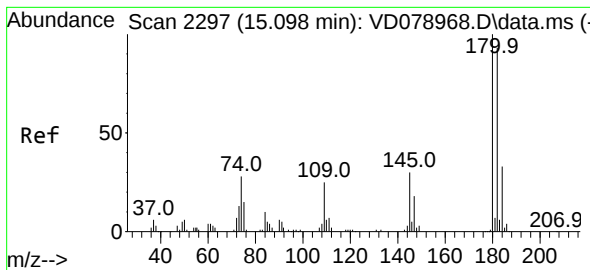


#69
1,3,5-Trichlorobenzene
Concen: 1.118 ug/L
RT: 14.592 min Scan# 2211
Delta R.T. 0.000 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53



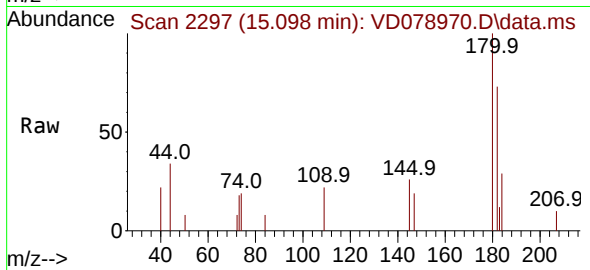
Tgt Ion:180 Resp: 3368
Ion Ratio Lower Upper
180 100
182 91.0 76.2 114.2
184 31.0 24.9 37.3
145 26.2 22.0 33.0





#70
1,2,4-trichlorobenzene
Concen: 1.097 ug/L
RT: 15.098 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

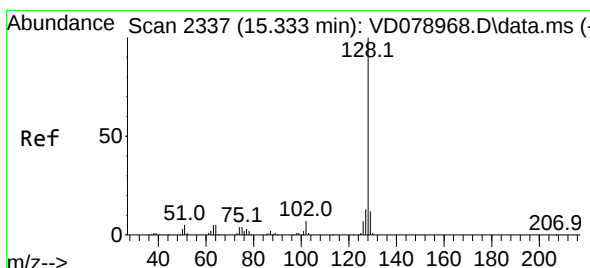
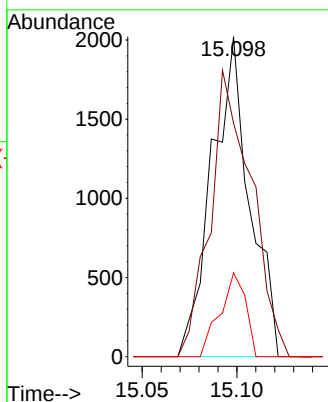
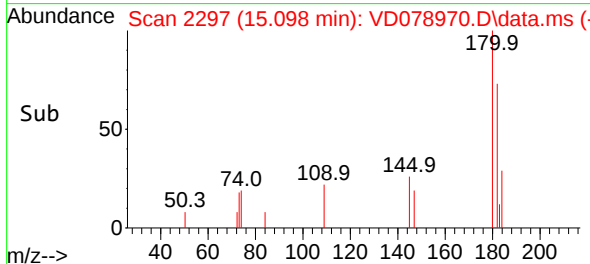
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2024-04



Tgt Ion:180 Resp: 279
Ion Ratio Lower Upper
180 100
182 97.6 76.4 114.6
145 17.8 22.8 34.2

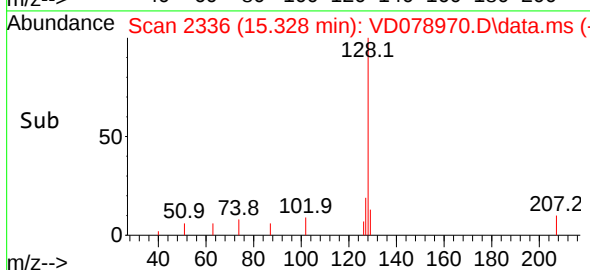
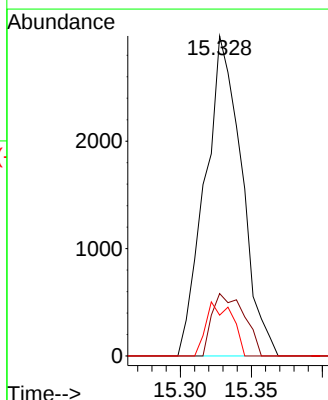
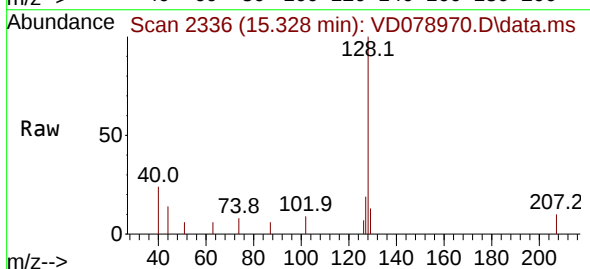
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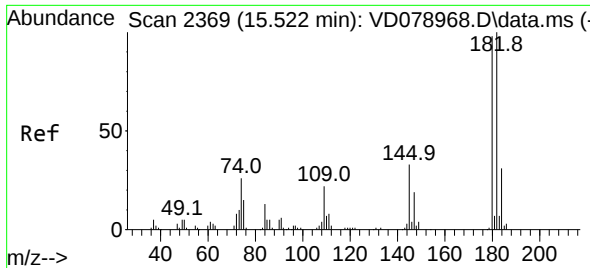
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#71
Naphthalene
Concen: 1.025 ug/L
RT: 15.328 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:53

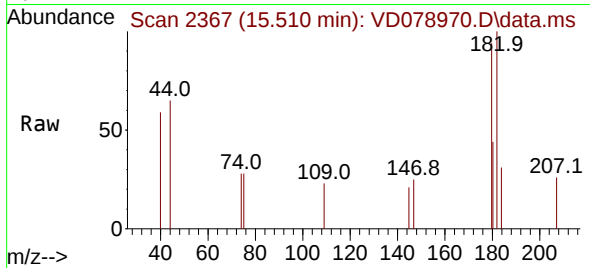
Tgt Ion:128 Resp: 5332
Ion Ratio Lower Upper
128 100
127 17.1 10.3 15.5#
129 12.1 8.6 12.8





#72
 1,2,3-Trichlorobenzene
 Concen: 1.106 ug/L
 RT: 15.510 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VD078970.D
 Acq: 20 May 2024 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT2-2024-04



Tgt Ion:180	Resp:	2630
Ion Ratio	Lower	Upper
180	100	
182	81.4	77.2 115.8
145	15.4	24.4 36.6

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/21/2024
 Supervised By :Semsettin Yesilyurt 05/21/2024

