

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091324\
 Data File : VD079832.D
 Acq On : 13 Sep 2024 12:07
 Operator : RP/MD
 Sample : P3391-04
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT3-2024-06

Quant Time: Sep 13 23:55:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM091024SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 13 23:49:48 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/16/2024
 Supervised By :Semsettin Yesilyurt 09/16/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	161898	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	157763	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	64796	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	149276	21.204	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.800%
7) Chloroethane-d5	2.805	69	124464	22.331	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.320%
11) 1,1-Dichloroethene-d2	3.922	65	29047	22.725	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.920%
21) 2-Butanone-d5	6.987	46	27528	42.086	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.180%
24) Chloroform-d	7.563	84	118576	22.281	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.120%
26) 1,2-Dichloroethane-d4	8.234	65	67418	24.226	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.920%
32) Benzene-d6	8.204	84	264889	23.782	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.120%
36) 1,2-Dichloropropane-d6	9.210	67	82547	24.199	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.800%
41) Toluene-d8	10.269	98	241416	24.632	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.520%
43) trans-1,3-Dichloroprop...	10.522	79	33509	22.848	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.400%
47) 2-Hexanone-d5	10.875	63	24581	44.205	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.400%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	56384	22.493	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.960%
66) 1,2-Dichlorobenzene-d4	13.810	152	61911	25.336	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	4441	1.439	ug/L	96
3) Chloromethane	2.146	50	7800	1.441	ug/L	88
5) Vinyl chloride	2.281	62	9978	1.505	ug/L #	53
6) Bromomethane	2.693	94	5395	1.616	ug/L	81
8) Chloroethane	2.834	64	6203	1.416	ug/L	100
9) Trichlorofluoromethane	3.181	101	7159	1.501	ug/L	85
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	4467m	1.693	ug/L	
12) 1,1-Dichloroethene	3.946	96	3935m	1.601	ug/L	
13) Acetone	4.022	43	2043m	2.562	ug/L	
14) Carbon disulfide	4.269	76	11247	1.407	ug/L #	94
15) Methyl Acetate	4.575	43	1660m	1.307	ug/L	
16) Methylene chloride	4.805	84	7519m	2.350	ug/L	
17) trans-1,2-Dichloroethene	5.310	96	3998	1.525	ug/L #	75
18) Methyl tert-butyl Ether	5.316	73	7367m	1.249	ug/L	
19) 1,1-Dichloroethane	6.110	63	7912	1.520	ug/L #	91
20) cis-1,2-Dichloroethene	7.081	96	3741m	1.296	ug/L	
22) 2-Butanone	7.093	43	2247m	2.402	ug/L	
23) Bromochloromethane	7.422	128	2092	1.708	ug/L #	63
25) Chloroform	7.599	83	18259	3.369	ug/L	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	4819	1.455	ug/L #	92
29) Cyclohexane	7.881	56	4860m	1.245	ug/L	
30) 1,1,1-Trichloroethane	7.793	97	6364	1.480	ug/L #	70
31) Carbon tetrachloride	7.987	117	5381	1.412	ug/L	93
33) Benzene	8.251	78	17769	1.513	ug/L	100
34) Trichloroethene	9.028	95	3834	1.412	ug/L #	70
35) Methylcyclohexane	9.275	83	5968m	1.362	ug/L	
38) Bromodichloromethane	9.587	83	5567	1.491	ug/L #	77
39) cis-1,3-Dichloropropene	10.016	75	6162	1.370	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	3864	2.304	ug/L #	95
42) Toluene	10.334	91	18497	1.495	ug/L	96
44) trans-1,3-Dichloropropene	10.551	75	5362	1.352	ug/L #	70
45) 1,1,2-Trichloroethane	10.734	97	3163	1.445	ug/L	92
46) Tetrachloroethene	10.810	164	2774	1.505	ug/L	93
48) 2-Hexanone	10.916	43	3490	2.558	ug/L #	89
49) Dibromochloromethane	11.069	129	3111	1.302	ug/L #	73
50) 1,2-Dibromoethane	11.175	107	2711	1.434	ug/L #	94
51) Chlorobenzene	11.604	112	11056	1.489	ug/L	97
52) Ethylbenzene	11.681	91	17062	1.313	ug/L	93
53) m,p-Xylene	11.787	106	6389	1.298	ug/L	86
54) o-Xylene	12.116	106	5090	1.054	ug/L	85
55) Styrene	12.134	104	9803	1.155	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.669	83	3695	1.440	ug/L	82
59) Bromoform	12.298	173	1859m	1.662	ug/L	
60) Isopropylbenzene	12.422	105	14049	1.256	ug/L	98
61) 1,2,3-Trichloropropane	12.728	75	2541	1.595	ug/L	98
62) 1,3,5-Trimethylbenzene	12.898	105	10145	1.240	ug/L	96
63) 1,2,4-Trimethylbenzene	13.210	105	10425	1.215	ug/L	93
64) 1,3-Dichlorobenzene	13.451	146	6530	1.412	ug/L #	73
65) 1,4-Dichlorobenzene	13.534	146	7884	1.626	ug/L	90
67) 1,2-Dichlorobenzene	13.828	146	6305	1.509	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.445	75	396m	1.215	ug/L	
69) 1,3,5-Trichlorobenzene	14.592	180	4001m	1.427	ug/L	
70) 1,2,4-trichlorobenzene	15.098	180	3846	1.630	ug/L	95
71) Naphthalene	15.322	128	6973	1.323	ug/L	97
72) 1,2,3-Trichlorobenzene	15.522	180	2926	1.386	ug/L	94

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

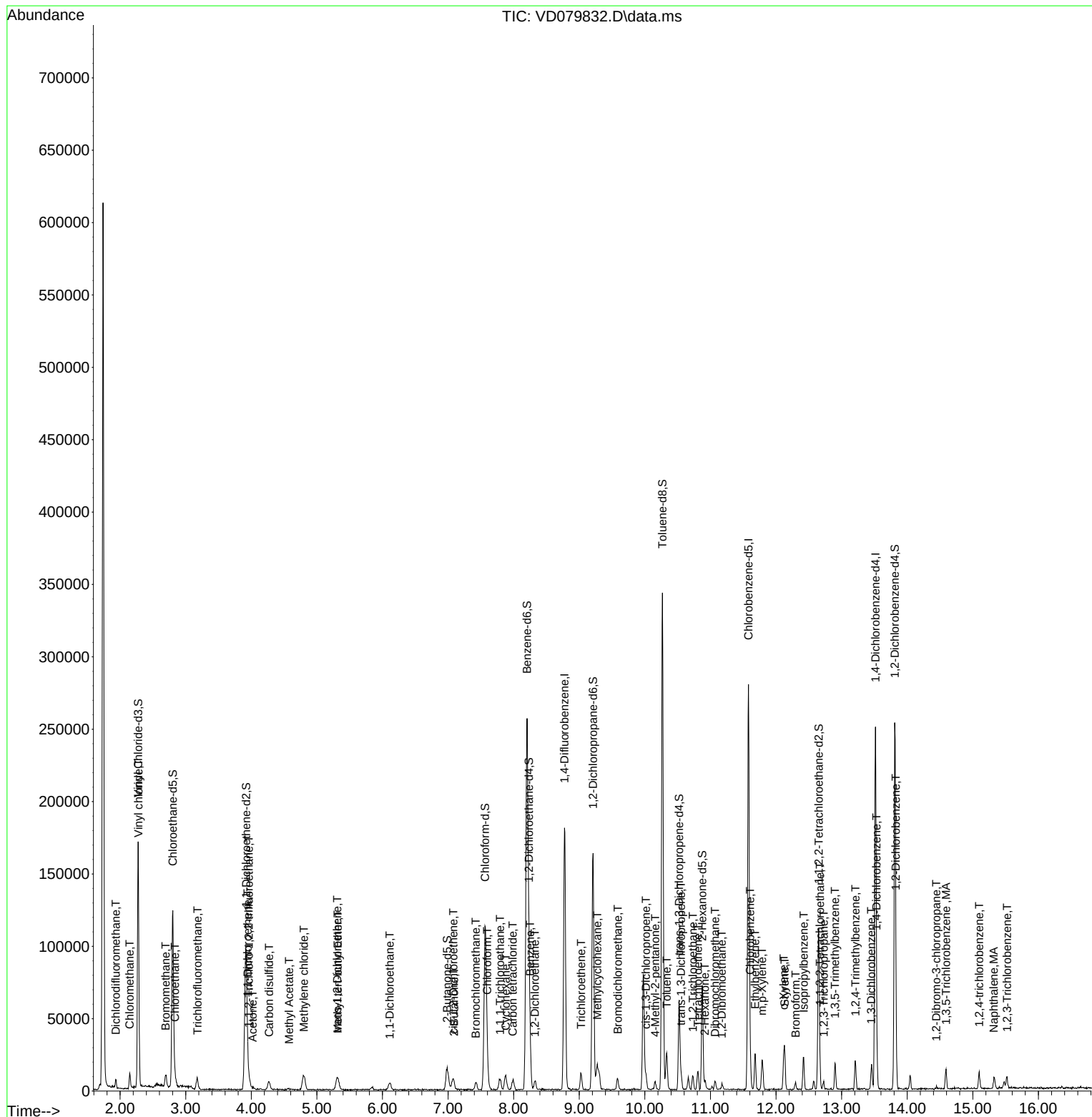
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091324\
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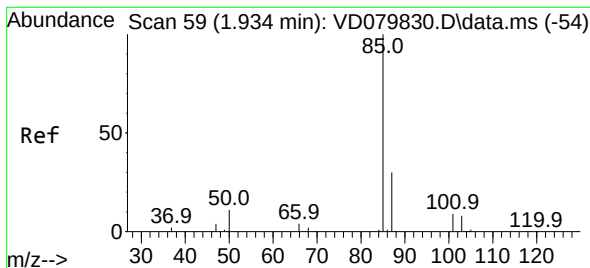
Instrument :
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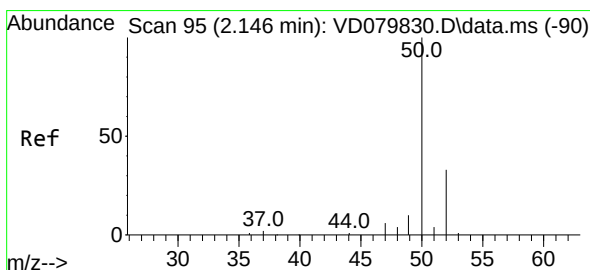
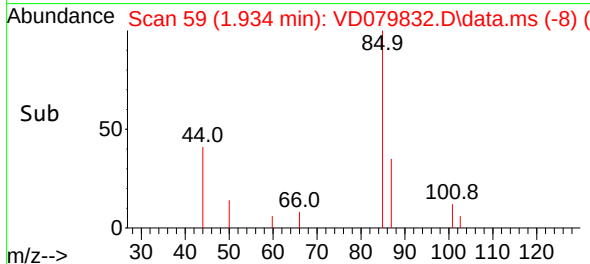
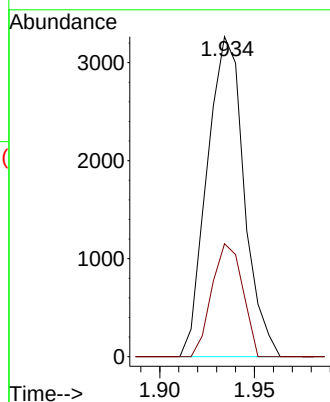
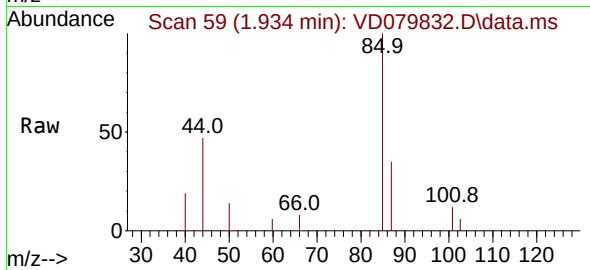
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Dichlorodifluoromethane
Concen: 1.439 ug/L
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2024-06

Tgt Ion: 85 Resp: 444
Ion Ratio Lower Upper
85 100
87 29.3 25.0 37.6

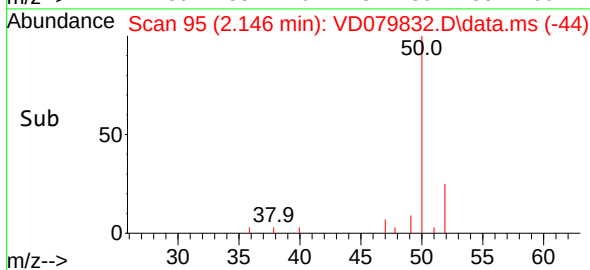
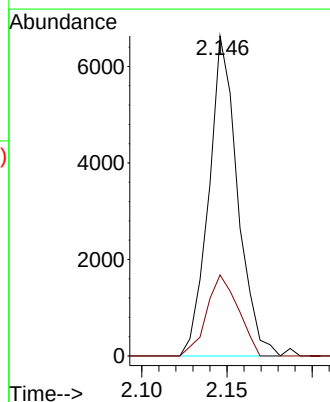
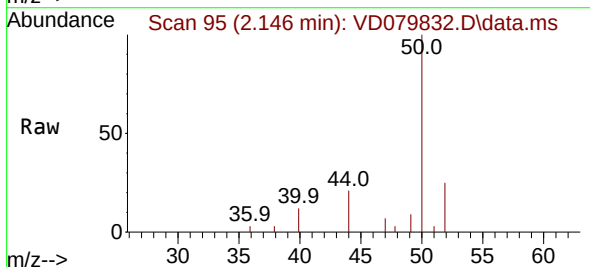
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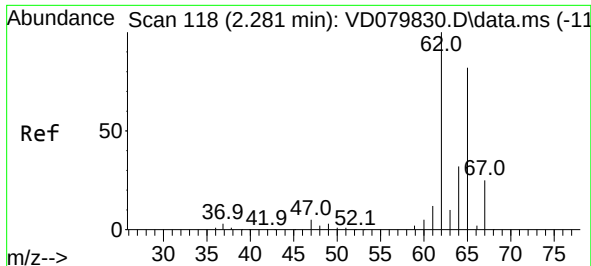
Reviewed By :Mahesh Dadoda 09/16/2024
Supervised By :Semsettin Yesilyurt 09/16/2024



#3
Chloromethane
Concen: 1.441 ug/L
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

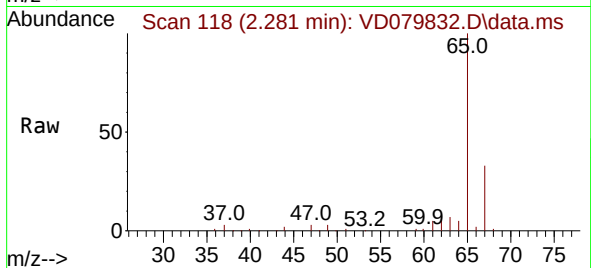
Tgt Ion: 50 Resp: 7800
Ion Ratio Lower Upper
50 100
52 25.3 22.4 41.6





#5
Vinyl chloride
Concen: 1.505 ug/L
RT: 2.281 min Scan# 118
Delta R.T. 0.000 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

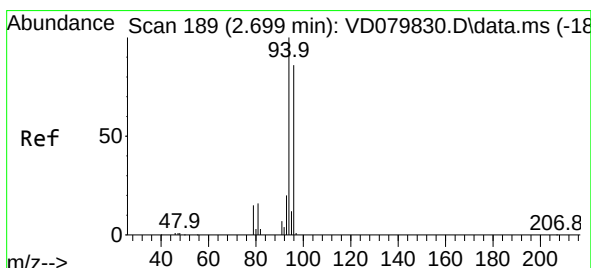
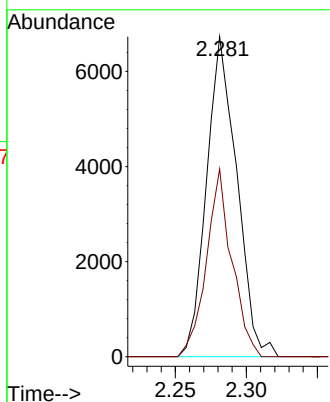
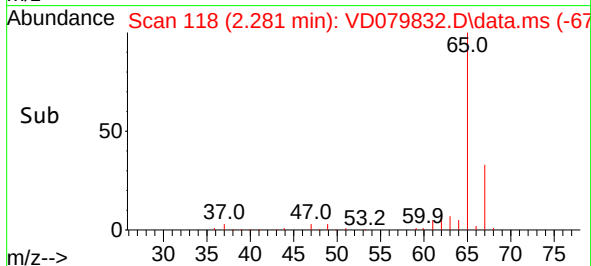
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion: 62 Resp: 9978
Ion Ratio Lower Upper
62 100
64 58.7 22.6 42.0

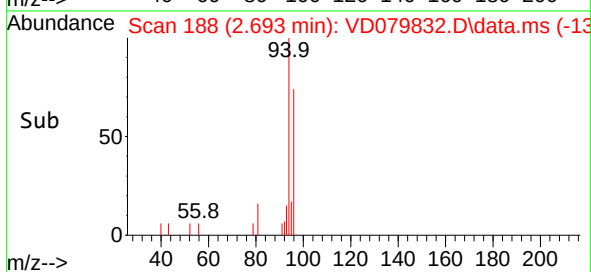
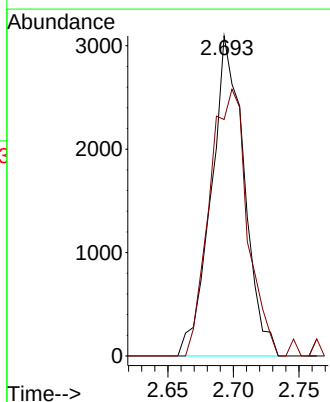
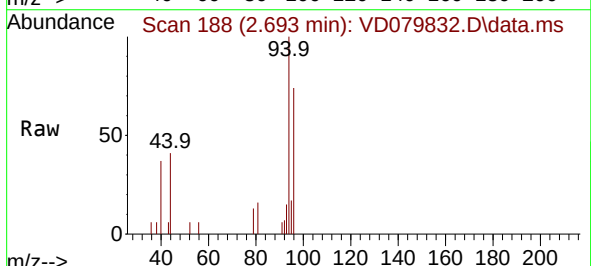
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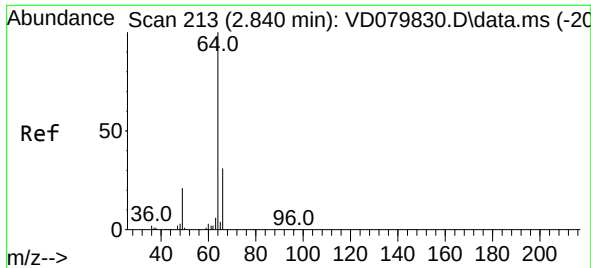
Reviewed By :Mahesh Dadoda 09/16/2024
Supervised By :Semsettin Yesilyurt 09/16/2024



#6
Bromomethane
Concen: 1.616 ug/L
RT: 2.693 min Scan# 188
Delta R.T. -0.006 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

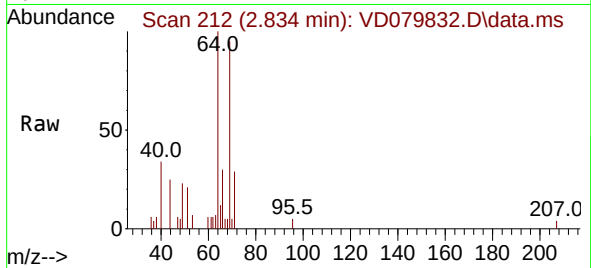
Tgt Ion: 94 Resp: 5395
Ion Ratio Lower Upper
94 100
96 73.9 64.3 119.5





#8
Chloroethane
Concen: 1.416 ug/L
RT: 2.834 min Scan# 213
Delta R.T. -0.006 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

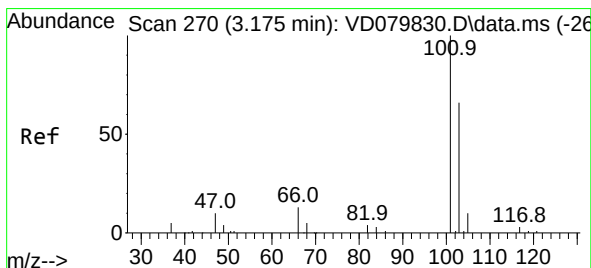
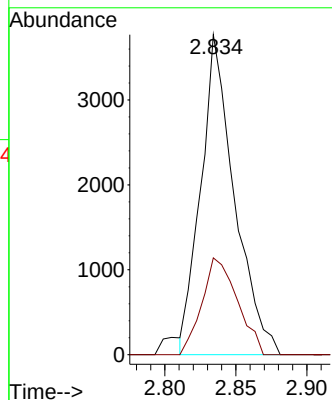
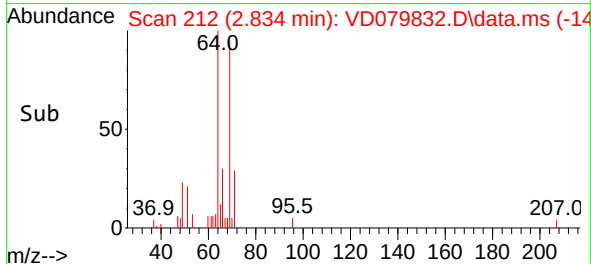
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion: 64 Resp: 620
Ion Ratio Lower Upper
64 100
66 30.2 21.3 39.6

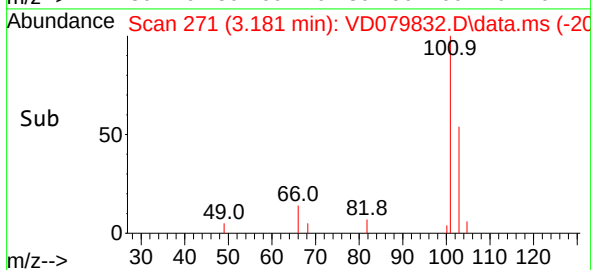
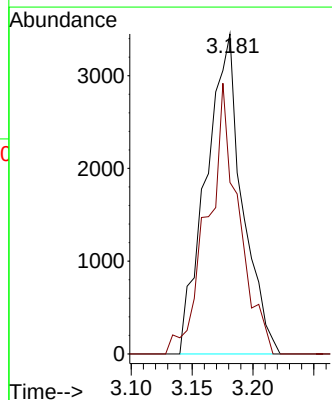
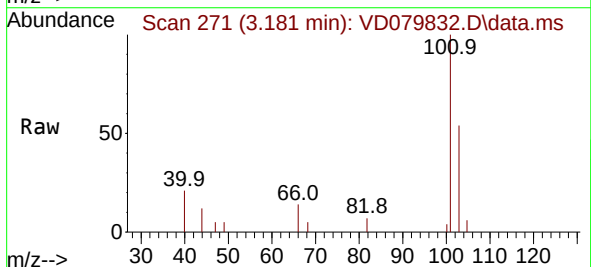
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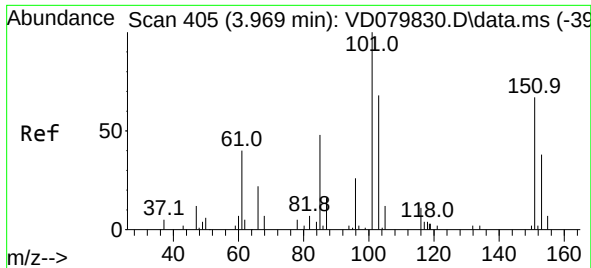
Reviewed By :Mahesh Dadoda 09/16/2024
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#9
Trichlorofluoromethane
Concen: 1.501 ug/L
RT: 3.181 min Scan# 271
Delta R.T. 0.006 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

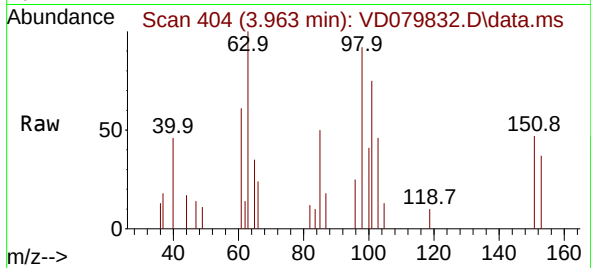
Tgt Ion:101 Resp: 7159
Ion Ratio Lower Upper
101 100
103 51.7 50.5 75.7





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.693 ug/L m
RT: 3.963 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

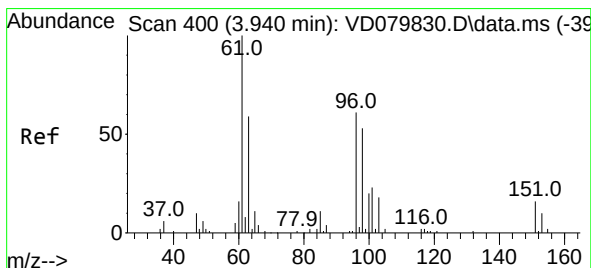
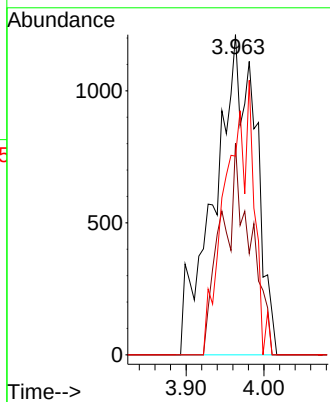
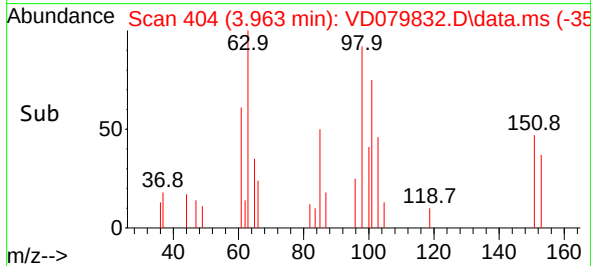
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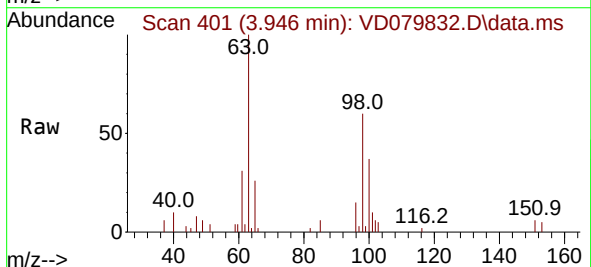
Tgt Ion:101 Resp: 446
Ion Ratio Lower Upper
101 100
85 27.0 37.8 56.8
151 40.6 54.2 81.4

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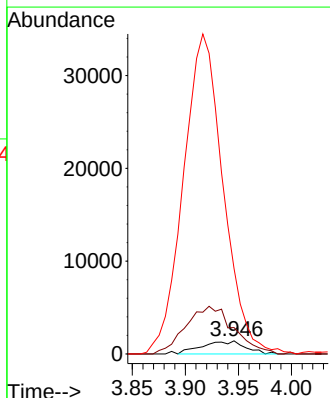
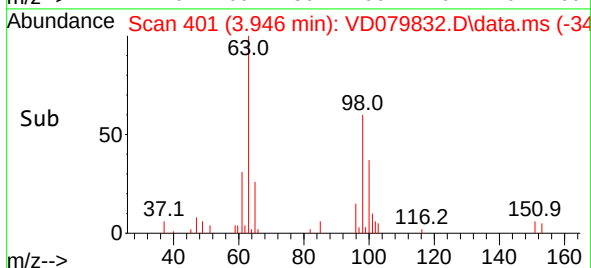
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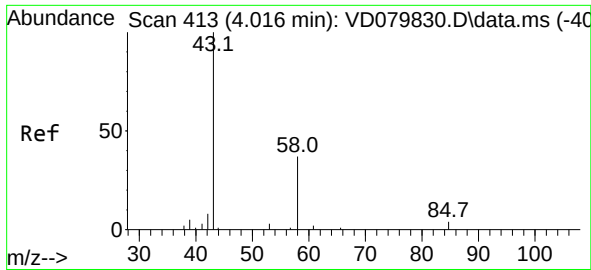


#12
1,1-Dichloroethene
Concen: 1.601 ug/L m
RT: 3.946 min Scan# 401
Delta R.T. 0.006 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07



Tgt Ion: 96 Resp: 3935
Ion Ratio Lower Upper
96 100
61 201.6 119.8 222.4
63 653.2 93.9 174.3





#13

Acetone

Concen: 2.562 ug/L m

RT: 4.022 min Scan# 413

Delta R.T. 0.006 min

Lab File: VD079832.D

Acq: 13 Sep 2024 12:07

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT3-2024-06

Tgt Ion: 43 Resp: 204

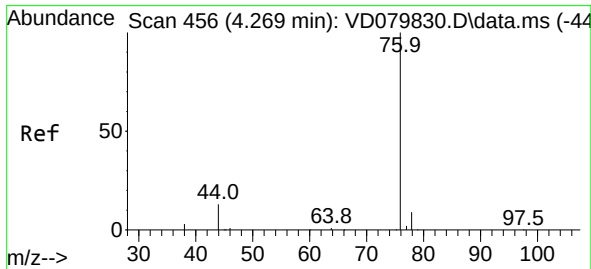
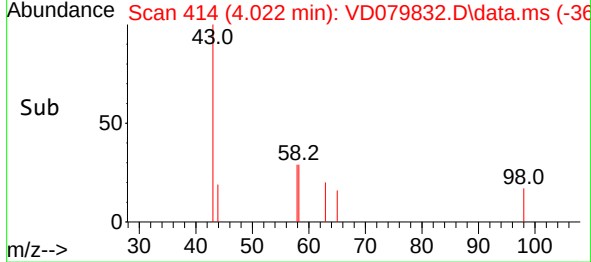
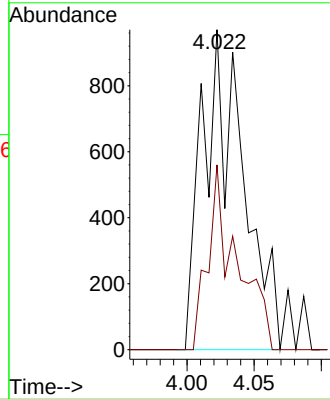
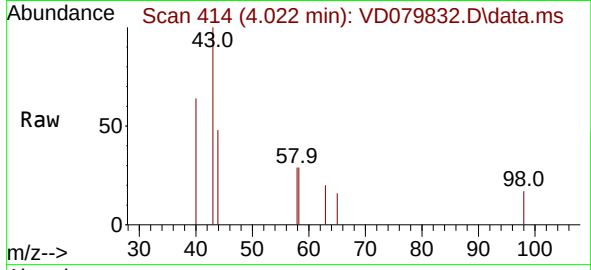
Ion	Ratio	Lower	Upper
43	100		
58	0.0	0.0	75.8

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#14

Carbon disulfide

Concen: 1.407 ug/L

RT: 4.269 min Scan# 456

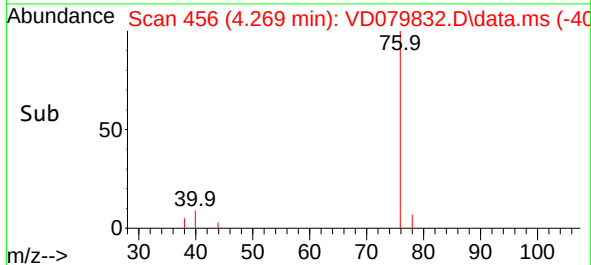
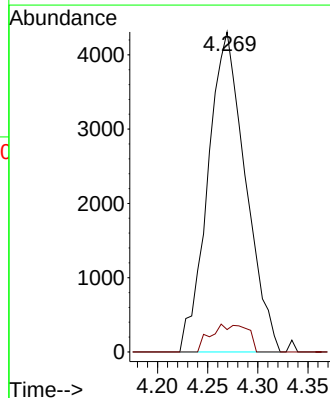
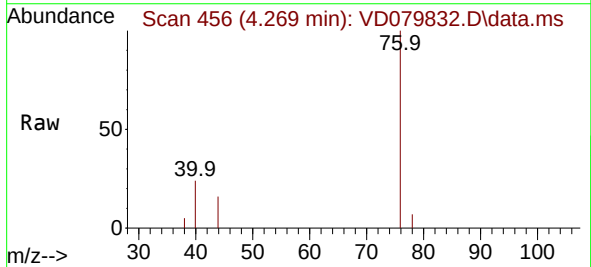
Delta R.T. 0.000 min

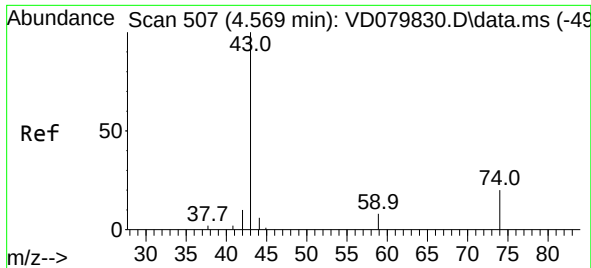
Lab File: VD079832.D

Acq: 13 Sep 2024 12:07

Tgt Ion: 76 Resp: 11247

Ion	Ratio	Lower	Upper
76	100		
78	7.0	7.3	10.9#





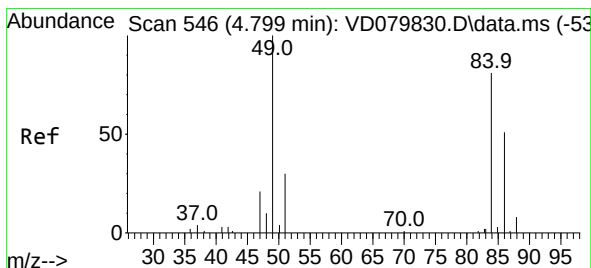
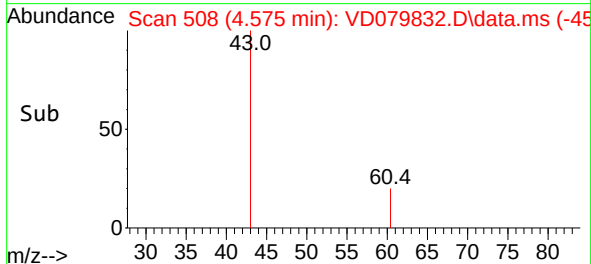
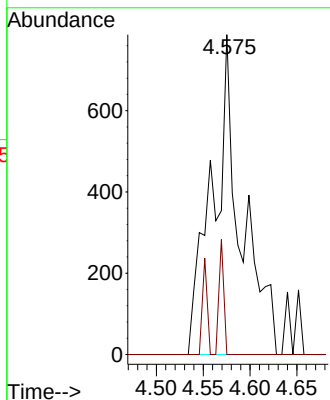
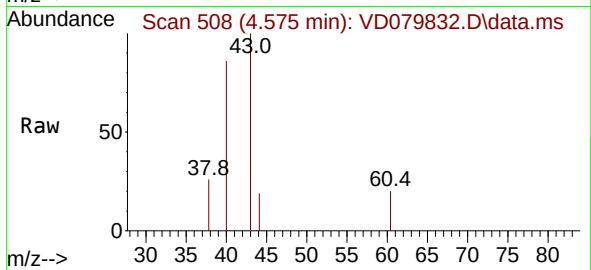
#15
Methyl Acetate
Concen: 1.307 ug/L m
RT: 4.575 min Scan# 507
Delta R.T. 0.006 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2024-06

Tgt Ion: 43 Resp: 1660
Ion Ratio Lower Upper
43 100
74 0.0 11.9 17.9

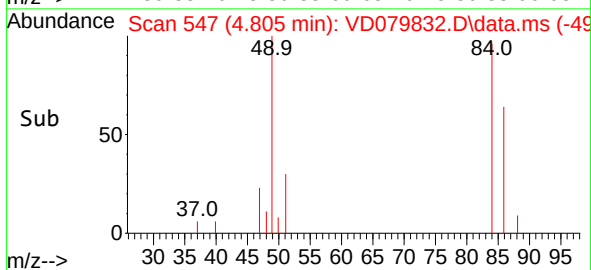
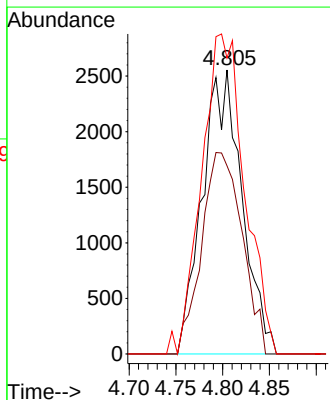
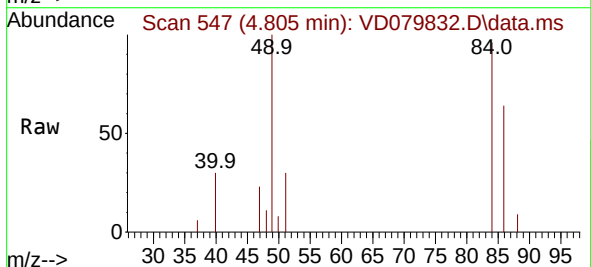
Manual Integrations
APPROVED

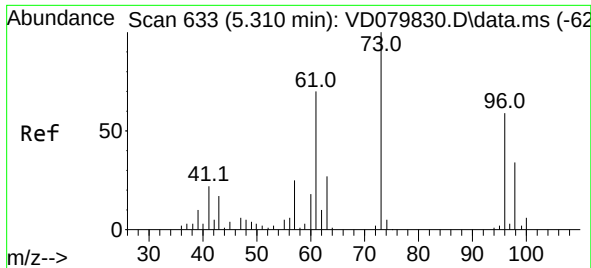
Reviewed By :Mahesh Dadoda 09/16/2024
Supervised By :Semsettin Yesilyurt 09/16/2024



#16
Methylene chloride
Concen: 2.350 ug/L m
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

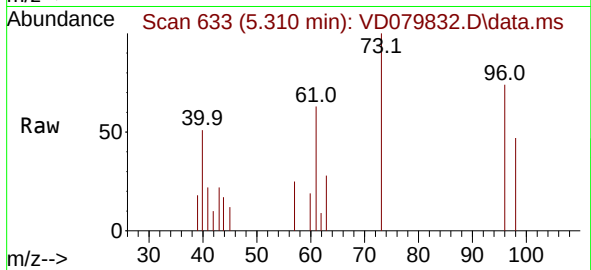
Tgt Ion: 84 Resp: 7519
Ion Ratio Lower Upper
84 100
86 66.3 41.0 76.2
49 104.1 90.0 167.2





#17
trans-1,2-Dichloroethene
Concen: 1.525 ug/L
RT: 5.310 min Scan# 61
Delta R.T. 0.000 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

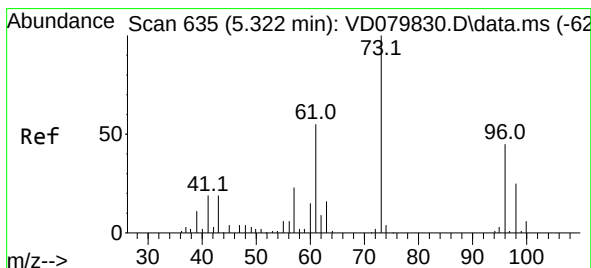
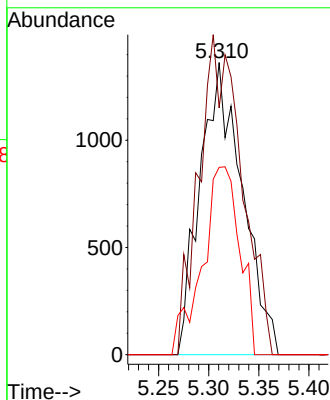
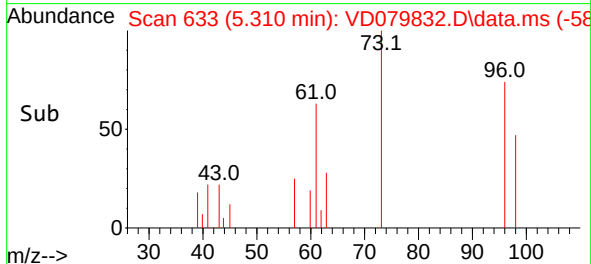
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion: 96 Resp: 3998
Ion Ratio Lower Upper
96 100
61 84.4 88.7 164.7
98 64.1 43.8 81.3

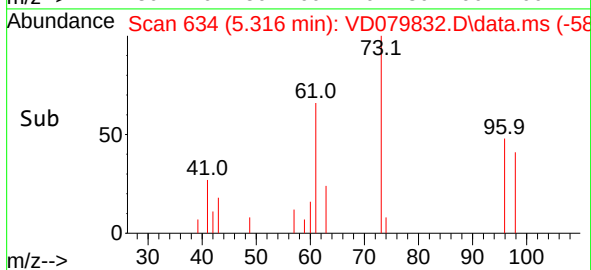
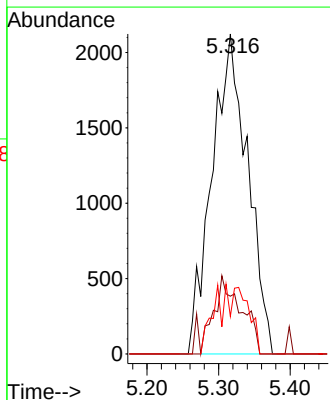
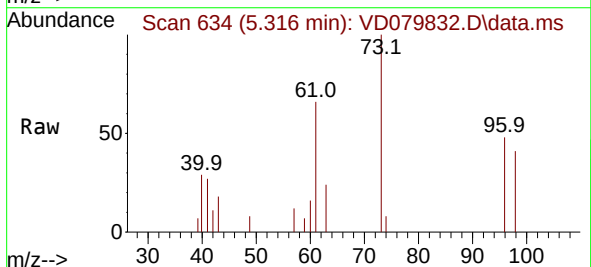
Manual Integrations
APPROVED

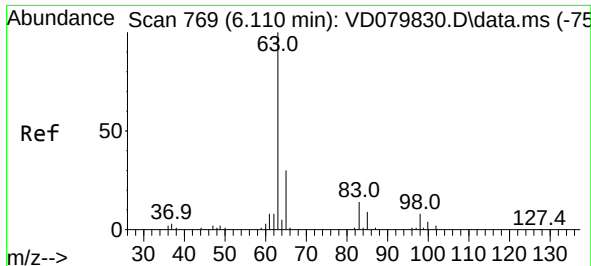
Reviewed By :Mahesh Dadoda 09/16/2024
Supervised By :Semsettin Yesilyurt 09/16/2024



#18
Methyl tert-butyl Ether
Concen: 1.249 ug/L m
RT: 5.316 min Scan# 634
Delta R.T. -0.006 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

Tgt Ion: 73 Resp: 7367
Ion Ratio Lower Upper
73 100
43 0.0 14.5 21.7#
57 3.4 18.8 28.2#





#19

1,1-Dichloroethane

Concen: 1.520 ug/L

RT: 6.110 min Scan# 70

Delta R.T. 0.000 min

Lab File: VD079832.D

Acq: 13 Sep 2024 12:07

Instrument :

MSVOA_D

ClientSampleId :

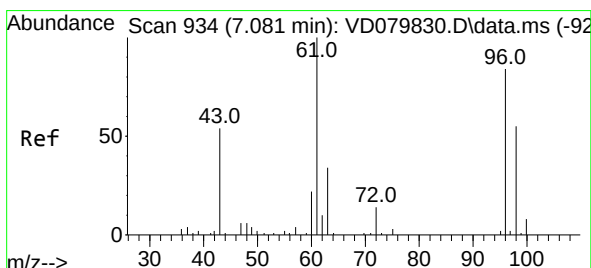
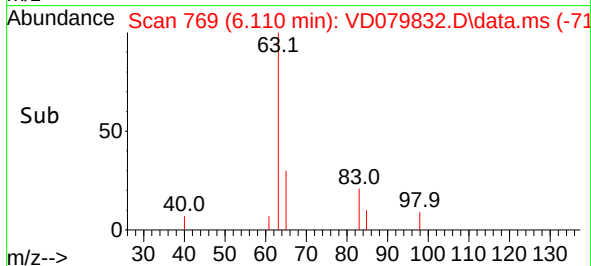
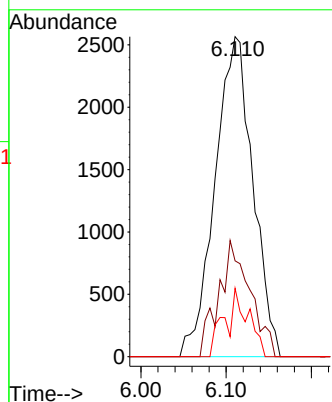
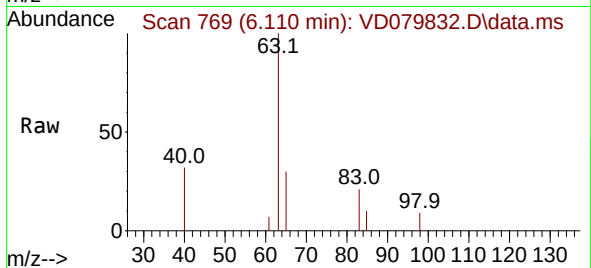
MDL-SOIL-QT3-2024-06

Tgt Ion: 63	Resp: 791
Ion Ratio	Lower Upper
63 100	
65 30.0	22.6 42.0
83 21.4	9.0 16.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/16/2024
Supervised By :Semsettin Yesilyurt 09/16/2024



#20

cis-1,2-Dichloroethene

Concen: 1.296 ug/L m

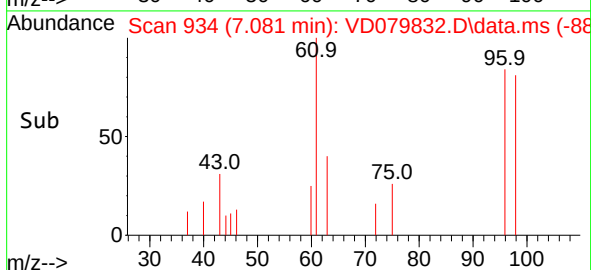
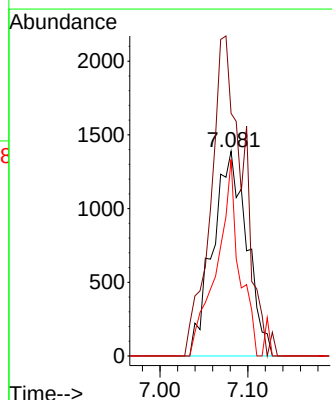
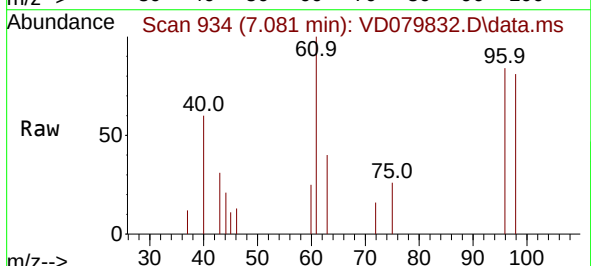
RT: 7.081 min Scan# 934

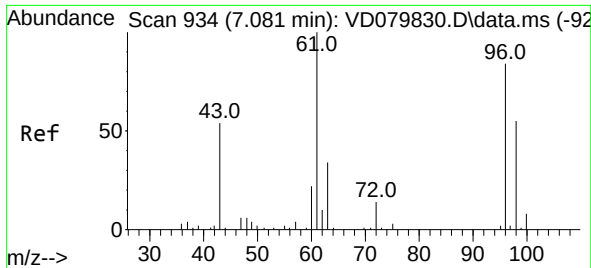
Delta R.T. 0.000 min

Lab File: VD079832.D

Acq: 13 Sep 2024 12:07

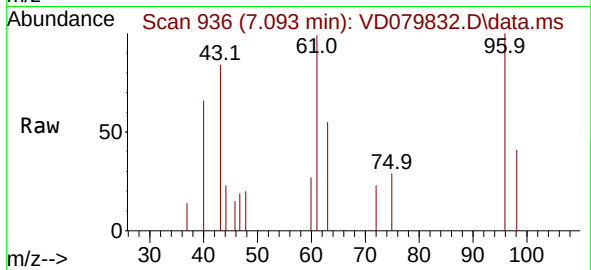
Tgt Ion: 96	Resp: 3741
Ion Ratio	Lower Upper
96 100	
61 118.6	83.8 155.6
98 96.1	45.9 85.3





#22
2-Butanone
Concen: 2.402 ug/L m
RT: 7.093 min Scan# 911
Delta R.T. 0.012 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

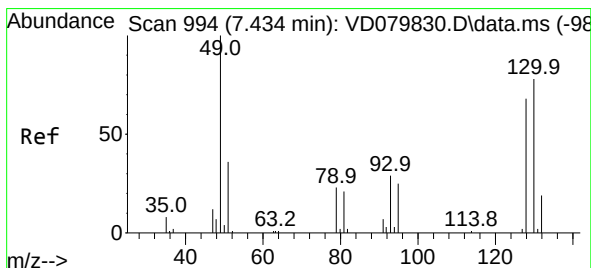
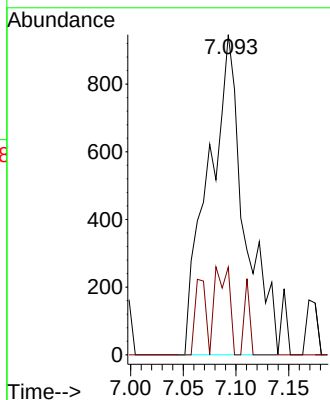
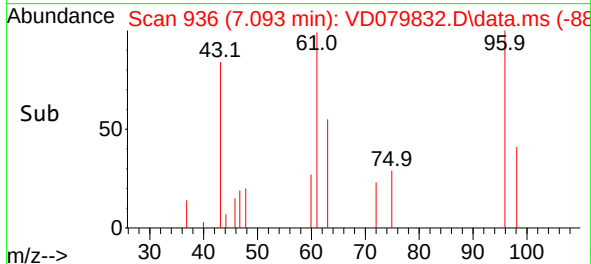
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion: 43 Resp: 224
Ion Ratio Lower Upper
43 100
72 11.3 13.1 39.3

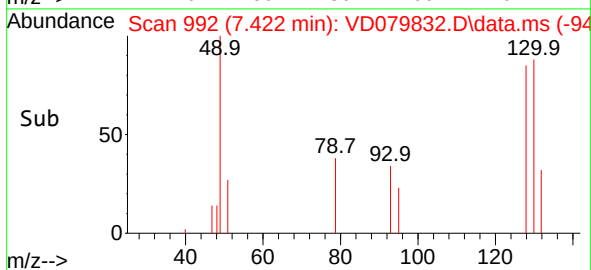
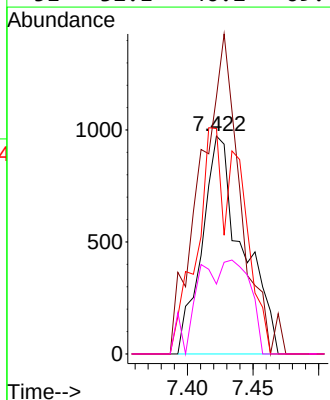
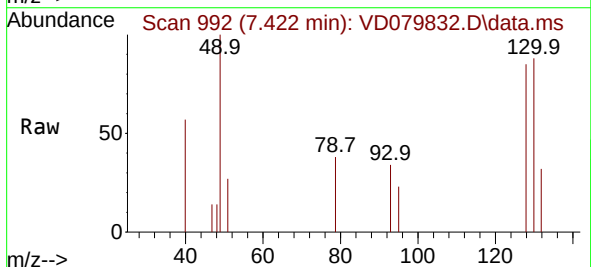
Manual Integrations
APPROVED

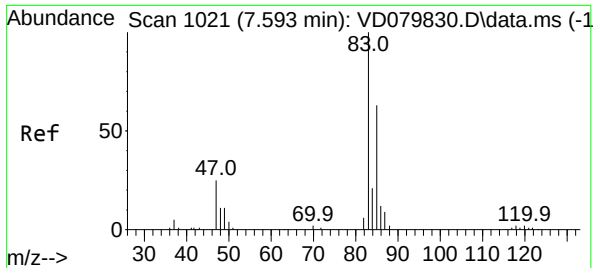
Reviewed By :Mahesh Dadoda 09/16/2024
Supervised By :Semsettin Yesilyurt 09/16/2024



#23
Bromochloromethane
Concen: 1.708 ug/L
RT: 7.422 min Scan# 992
Delta R.T. -0.012 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

Tgt Ion:128 Resp: 2092
Ion Ratio Lower Upper
128 100
49 118.0 132.3 245.7#
130 103.5 89.4 166.0
51 32.1 46.2 69.4#





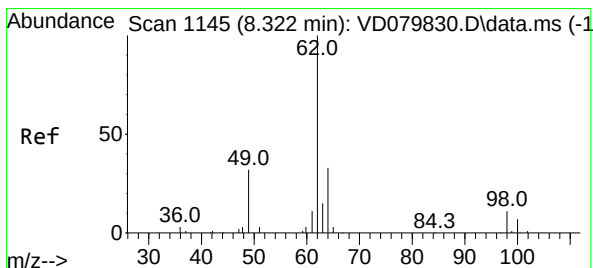
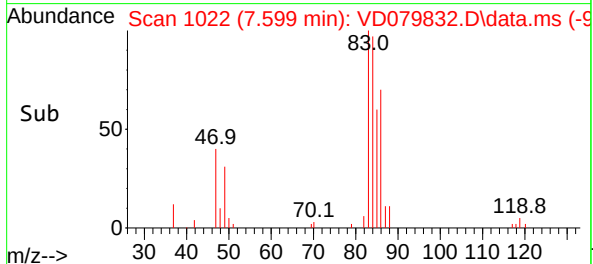
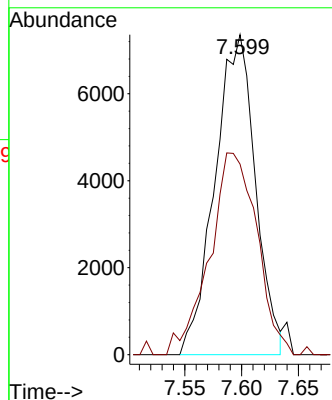
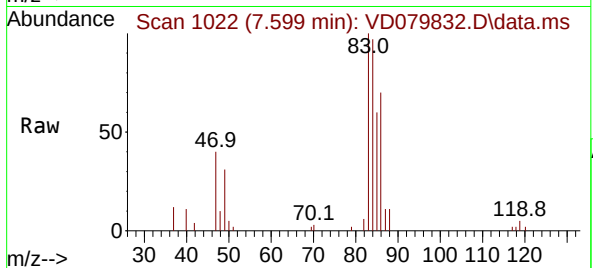
#25
Chloroform
Concen: 3.369 ug/L
RT: 7.599 min Scan# 1021
Delta R.T. 0.006 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2024-06

Tgt Ion: 83 Resp: 18259
Ion Ratio Lower Upper
83 100
85 59.5 47.3 87.9

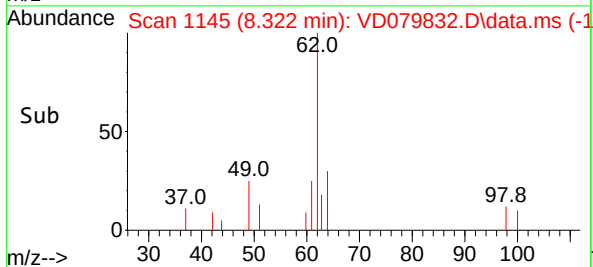
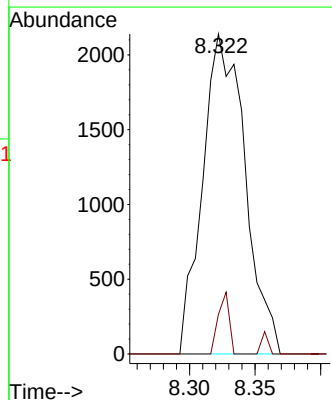
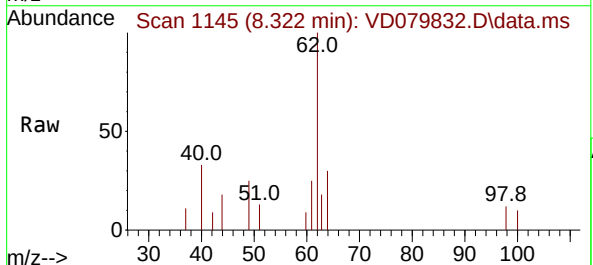
Manual Integrations
APPROVED

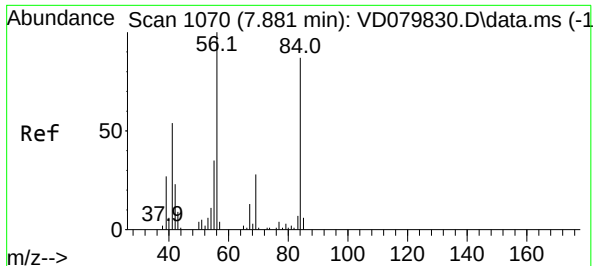
Reviewed By :Mahesh Dadoda 09/16/2024
Supervised By :Semsettin Yesilyurt 09/16/2024



#27
1,2-Dichloroethane
Concen: 1.455 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

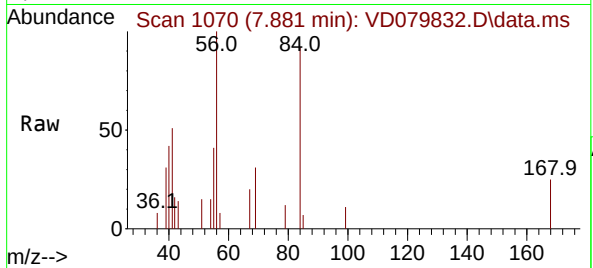
Tgt Ion: 62 Resp: 4819
Ion Ratio Lower Upper
62 100
98 12.4 7.5 11.3#





#29
Cyclohexane
Concen: 1.245 ug/L m
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

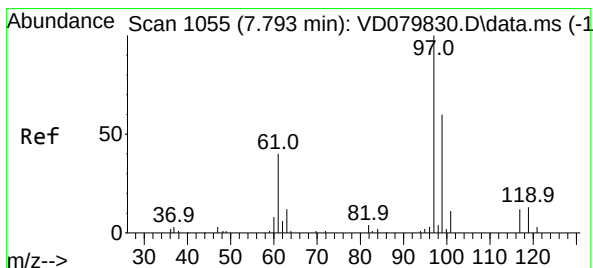
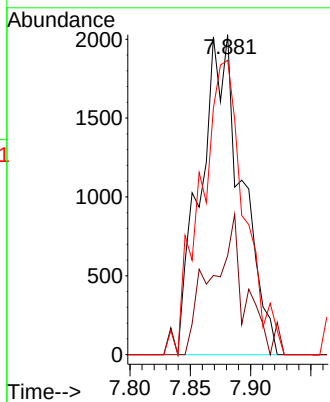
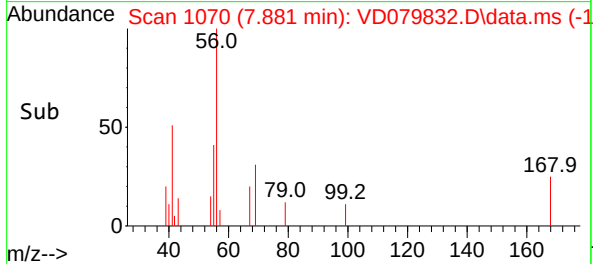
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT3-2024-06



Tgt Ion: 56 Resp: 4860
Ion Ratio Lower Upper
56 100
69 12.4 22.8 34.2
84 92.7 69.1 103.7

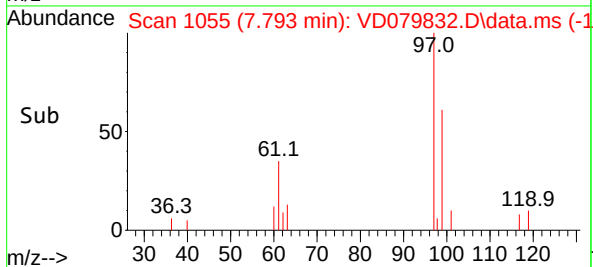
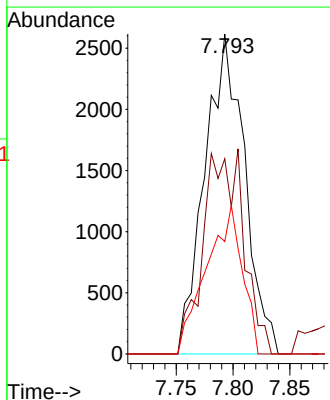
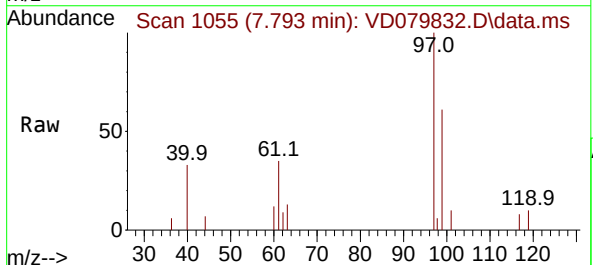
Manual Integrations
APPROVED

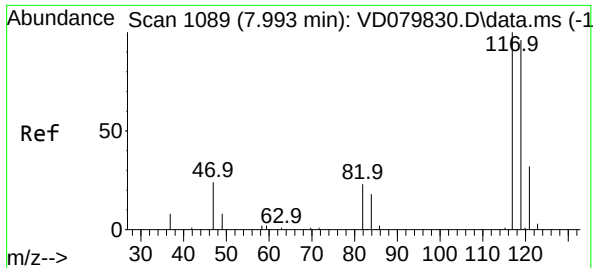
Reviewed By :Mahesh Dadoda 09/16/2024
Supervised By :Semsettin Yesilyurt 09/16/2024



#30
1,1,1-Trichloroethane
Concen: 1.480 ug/L
RT: 7.793 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

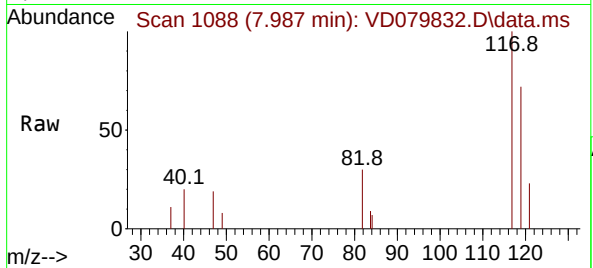
Tgt Ion: 97 Resp: 6364
Ion Ratio Lower Upper
97 100
99 27.6 51.9 77.9
61 41.9 35.4 53.2





#31
Carbon tetrachloride
Concen: 1.412 ug/L
RT: 7.987 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

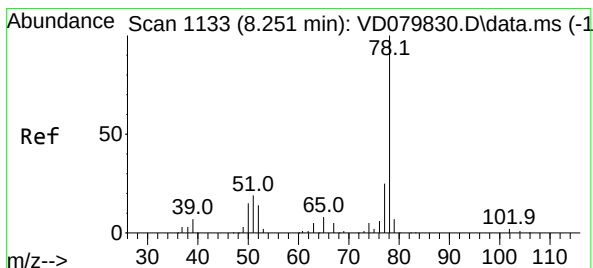
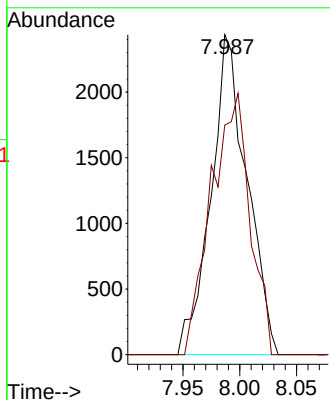
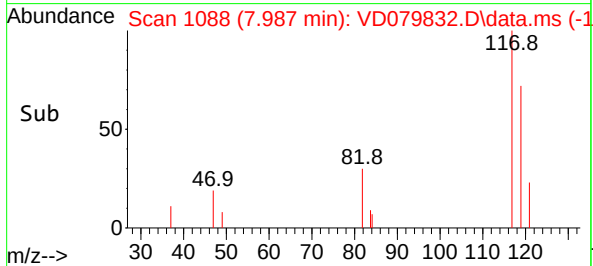
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT3-2024-06



Tgt Ion:117 Resp: 538
Ion Ratio Lower Upper
117 100
119 88.0 76.0 114.0

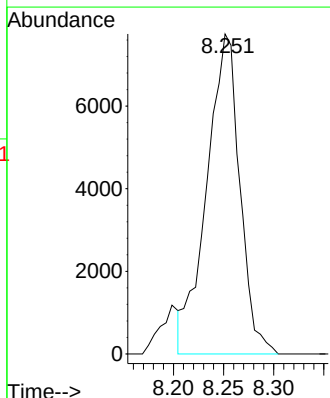
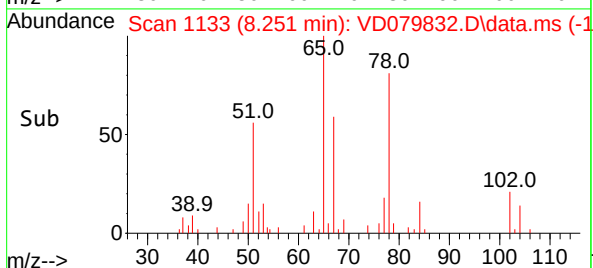
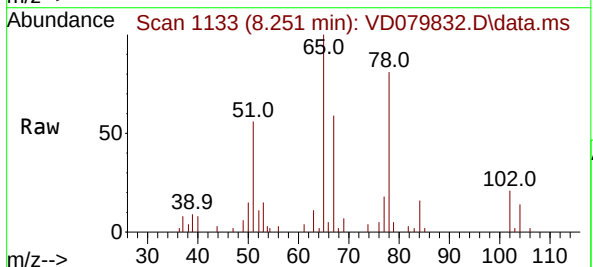
Manual Integrations
APPROVED

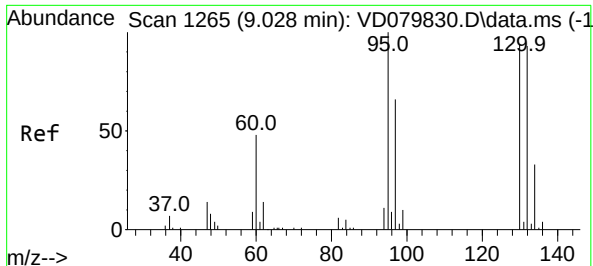
Reviewed By :Mahesh Dadoda 09/16/2024
Supervised By :Semsettin Yesilyurt 09/16/2024



#33
Benzene
Concen: 1.513 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

Tgt Ion: 78 Resp: 17769





#34

Trichloroethene

Concen: 1.412 ug/L

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD079832.D

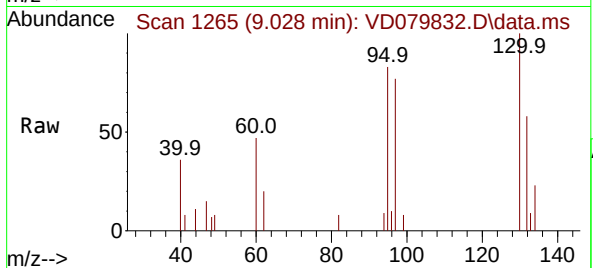
Acq: 13 Sep 2024 12:07

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT3-2024-06

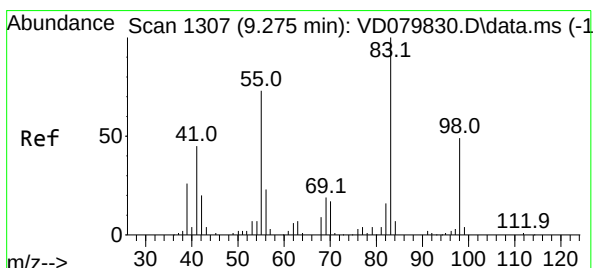
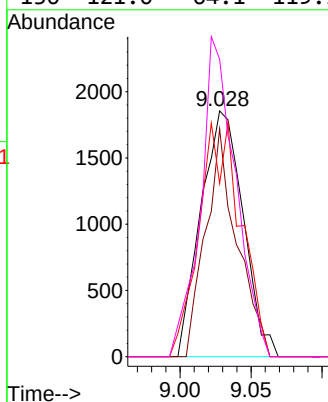
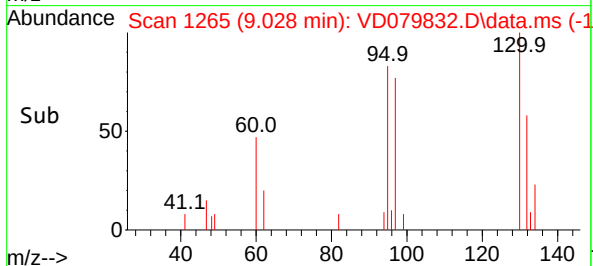


Tgt Ion:	95	Resp:	3834
Ion Ratio	100	Lower	Upper
95	100		
97	92.7	43.5	80.7
132	70.5	64.5	119.7
130	121.0	64.1	119.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/16/2024
Supervised By :Semsettin Yesilyurt 09/16/2024



#35

Methylcyclohexane

Concen: 1.362 ug/L m

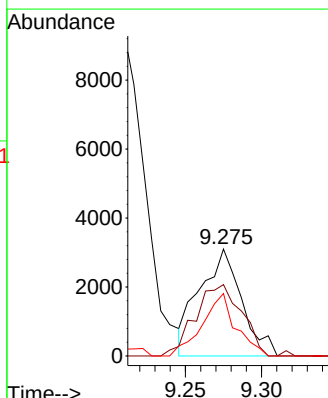
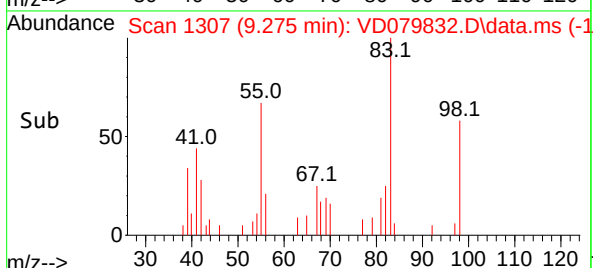
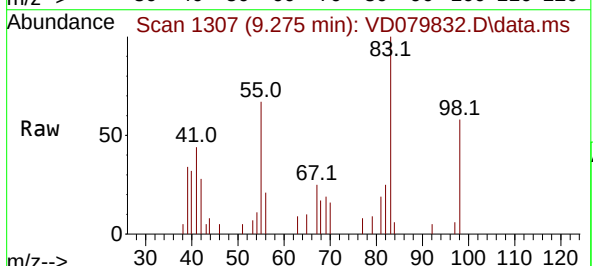
RT: 9.275 min Scan# 1307

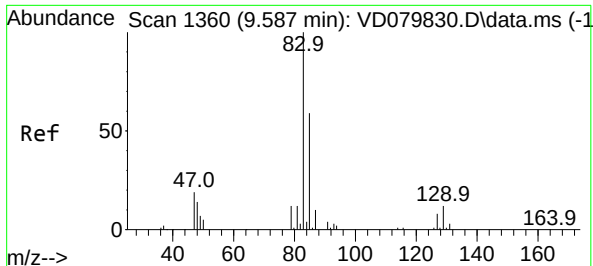
Delta R.T. 0.000 min

Lab File: VD079832.D

Acq: 13 Sep 2024 12:07

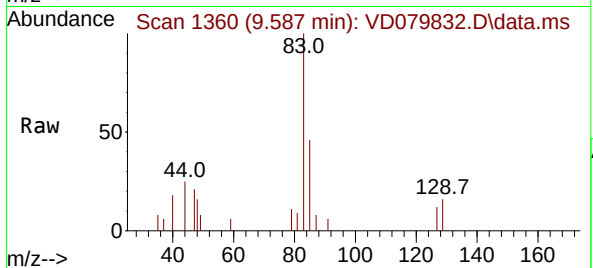
Tgt Ion:	83	Resp:	5968
Ion Ratio	100	Lower	Upper
83	100		
55	73.5	58.9	88.3
98	46.5	38.6	58.0





#38
Bromodichloromethane
Concen: 1.491 ug/L
RT: 9.587 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

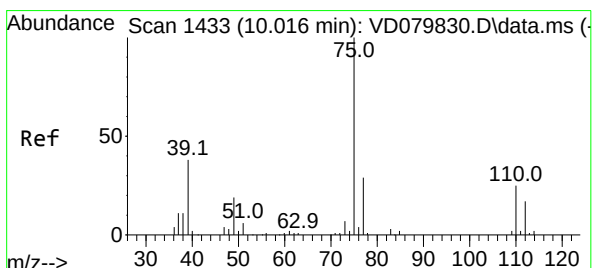
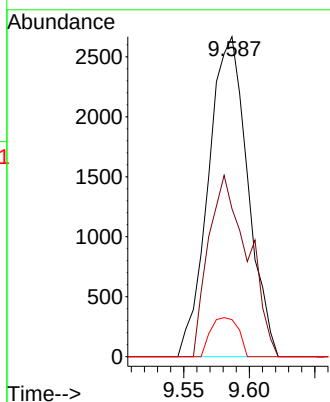
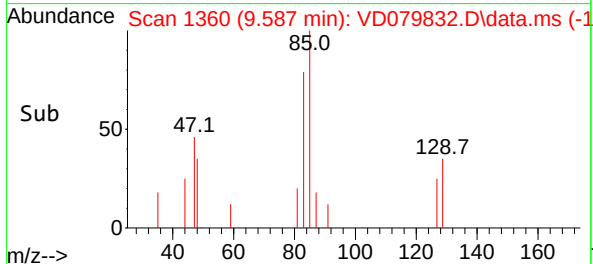
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion: 83 Resp: 556
Ion Ratio Lower Upper
83 100
85 46.3 45.9 85.3
127 11.6 6.7 10.1

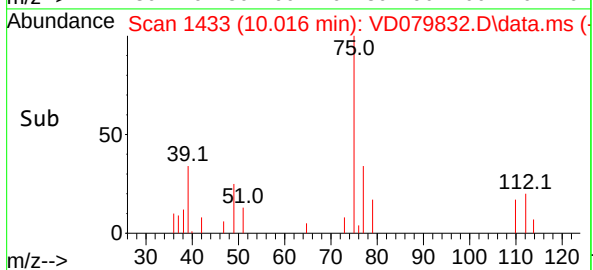
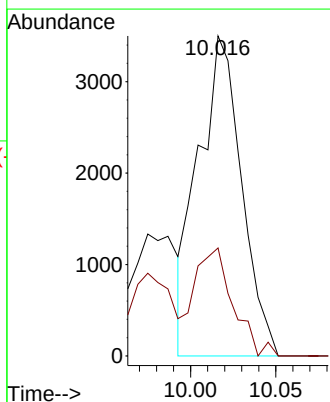
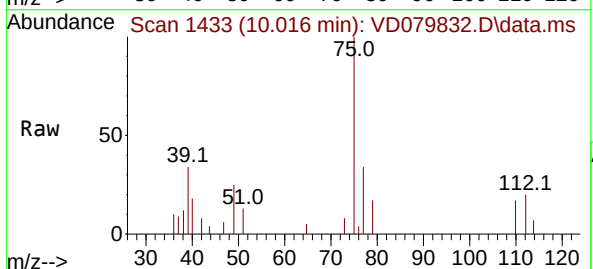
Manual Integrations
APPROVED

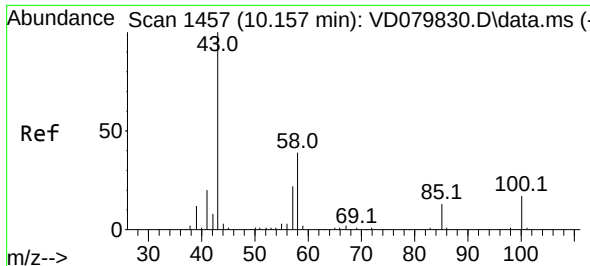
Reviewed By :Mahesh Dadoda 09/16/2024
Supervised By :Semsettin Yesilyurt 09/16/2024



#39
cis-1,3-Dichloropropene
Concen: 1.370 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

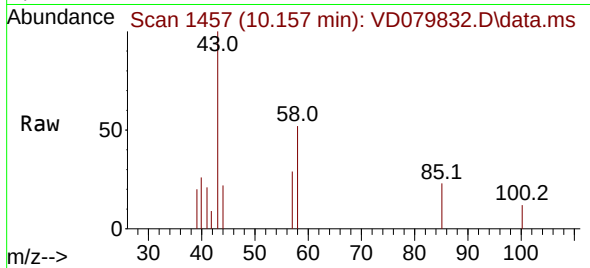
Tgt Ion: 75 Resp: 6162
Ion Ratio Lower Upper
75 100
77 33.8 24.1 44.8





#40
4-Methyl-2-pentanone
Concen: 2.304 ug/L
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

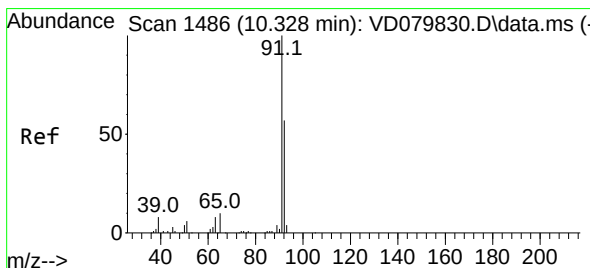
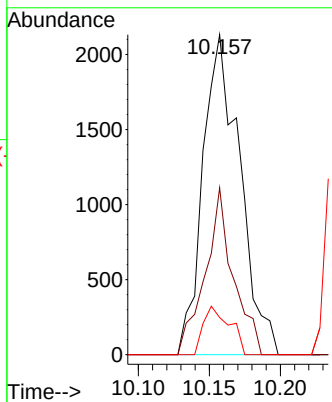
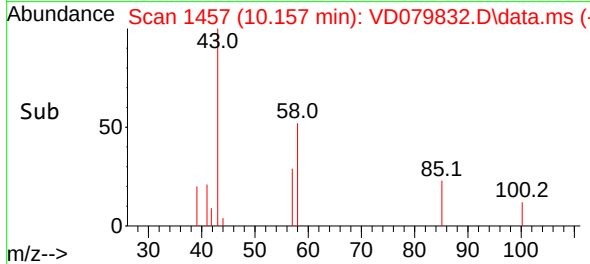
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion: 43 Resp: 3864
Ion Ratio Lower Upper
43 100
58 39.5 31.1 46.7
100 8.9 11.8 17.6

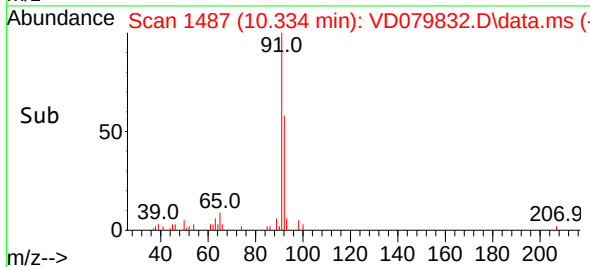
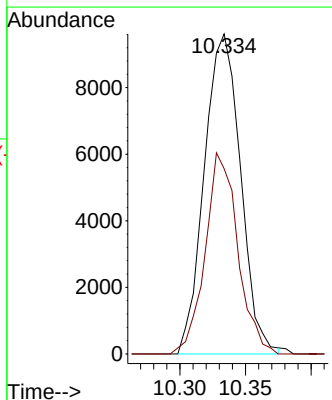
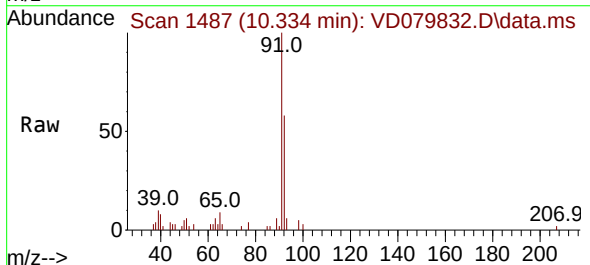
Manual Integrations
APPROVED

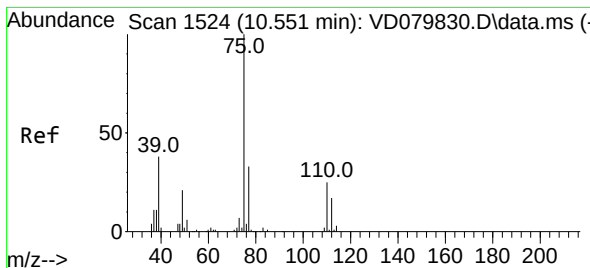
Reviewed By :Mahesh Dadoda 09/16/2024
Supervised By :Semsettin Yesilyurt 09/16/2024



#42
Toluene
Concen: 1.495 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

Tgt Ion: 91 Resp: 18497
Ion Ratio Lower Upper
91 100
92 57.9 38.6 71.8





#44

trans-1,3-Dichloropropene

Concen: 1.352 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD079832.D

Acq: 13 Sep 2024 12:07

Instrument :

MSVOA_D

ClientSampleId :

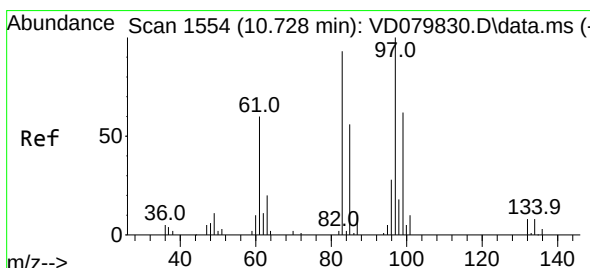
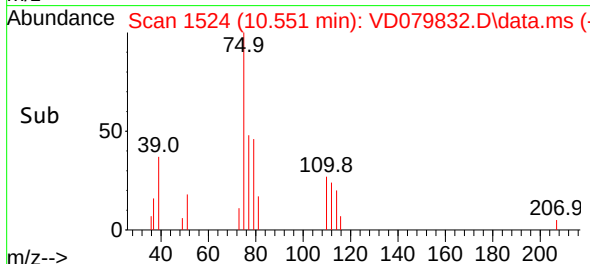
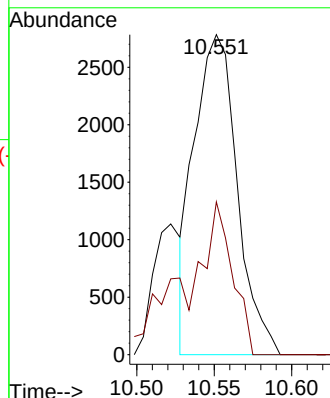
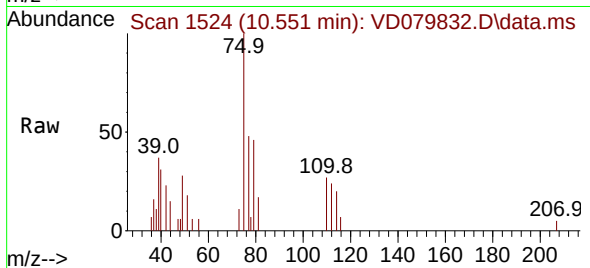
MDL-SOIL-QT3-2024-06

Tgt Ion: 75 Resp: 5362
 Ion Ratio Lower Upper
 75 100
 77 47.7 21.8 40.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/16/2024
 Supervised By :Semsettin Yesilyurt 09/16/2024



#45

1,1,2-Trichloroethane

Concen: 1.445 ug/L

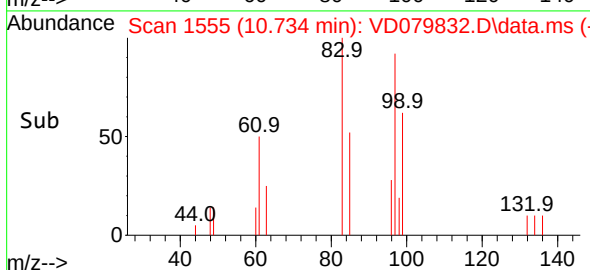
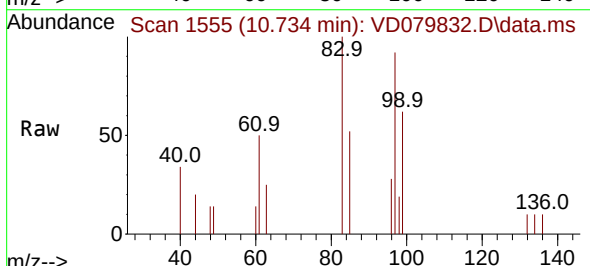
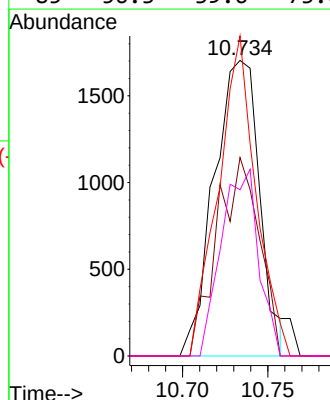
RT: 10.734 min Scan# 1555

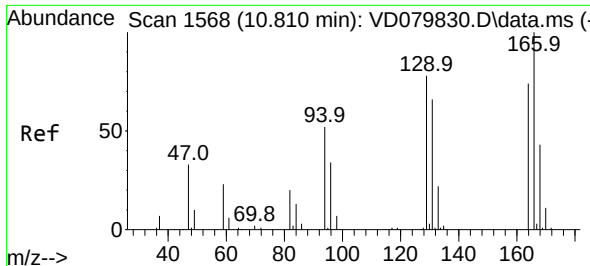
Delta R.T. 0.006 min

Lab File: VD079832.D

Acq: 13 Sep 2024 12:07

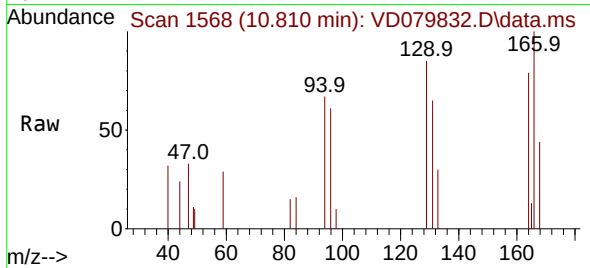
Tgt Ion: 97 Resp: 3163
 Ion Ratio Lower Upper
 97 100
 99 67.1 45.1 83.7
 83 108.3 65.2 121.0
 85 56.3 39.6 73.6





#46
Tetrachloroethene
Concen: 1.505 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

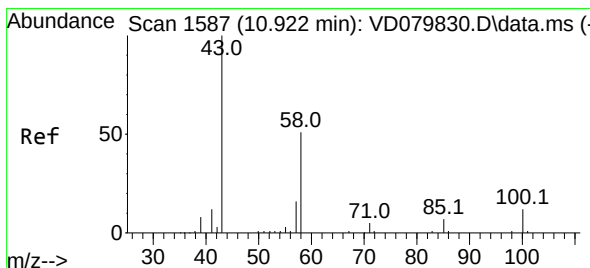
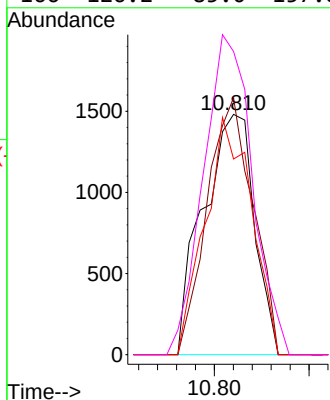
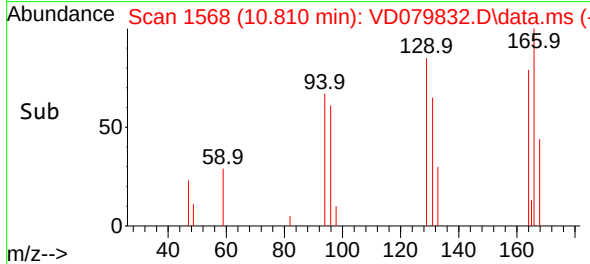
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2024-06



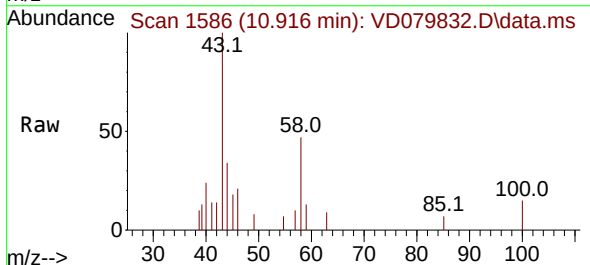
Tgt Ion:164 Resp: 2774
Ion Ratio Lower Upper
164 100
129 107.0 68.7 127.5
131 81.4 62.5 116.1
166 126.2 85.0 157.8

Manual Integrations
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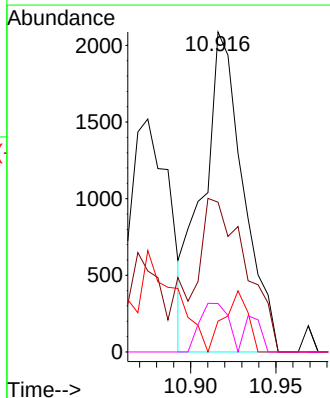
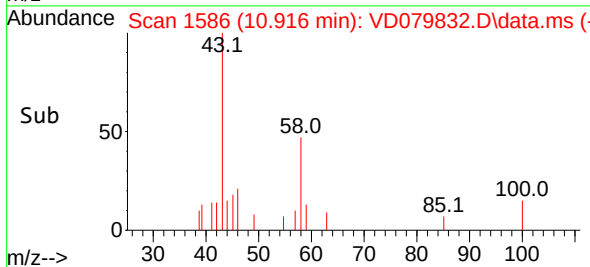
Reviewed By :Mahesh Dadoda 09/16/2024
Supervised By :Semsettin Yesilyurt 09/16/2024

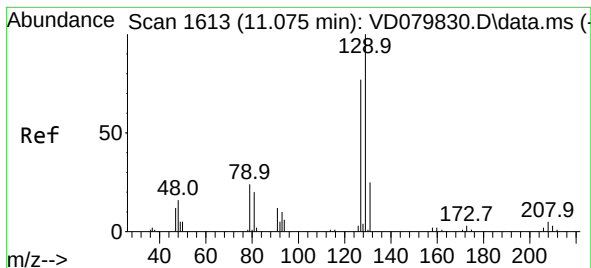


#48
2-Hexanone
Concen: 2.558 ug/L
RT: 10.916 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07



Tgt Ion: 43 Resp: 3490
Ion Ratio Lower Upper
43 100
58 52.9 44.7 67.1
57 0.0 13.6 20.4#
100 10.6 8.9 13.3





#49

Dibromochloromethane

Concen: 1.302 ug/L

RT: 11.069 min Scan# 1612

Delta R.T. -0.006 min

Lab File: VD079832.D

Acq: 13 Sep 2024 12:07

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT3-2024-06

Tgt Ion:129 Resp: 311

Ion Ratio Lower Upper

129 100

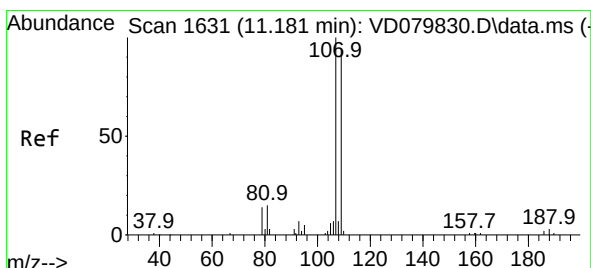
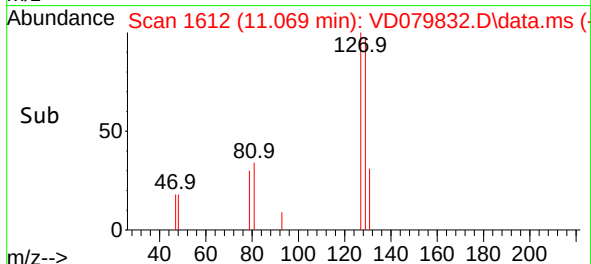
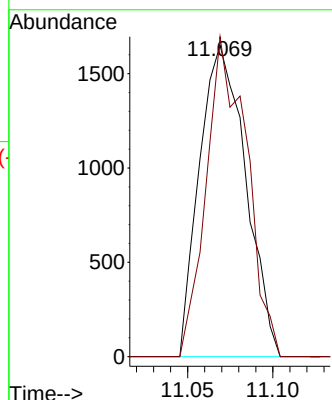
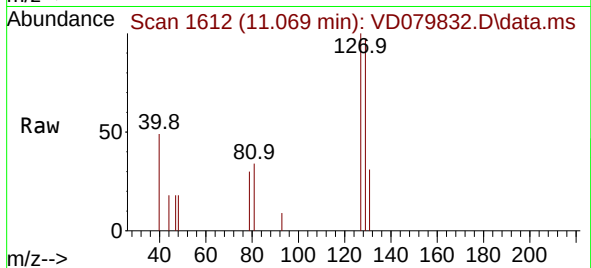
127 102.8 55.2 102.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/16/2024

Supervised By :Semsettin Yesilyurt 09/16/2024



#50

1,2-Dibromoethane

Concen: 1.434 ug/L

RT: 11.175 min Scan# 1630

Delta R.T. -0.006 min

Lab File: VD079832.D

Acq: 13 Sep 2024 12:07

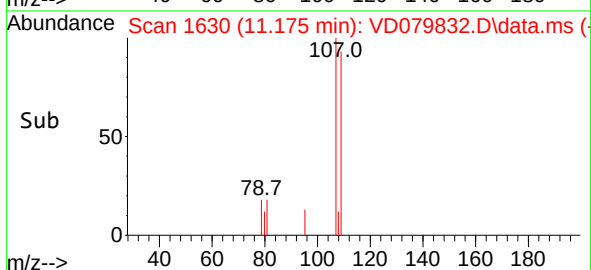
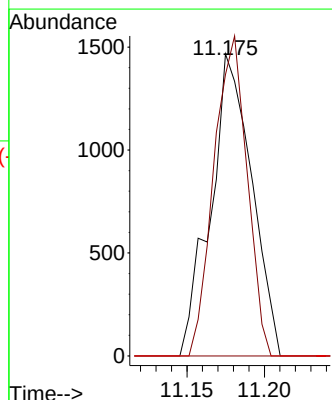
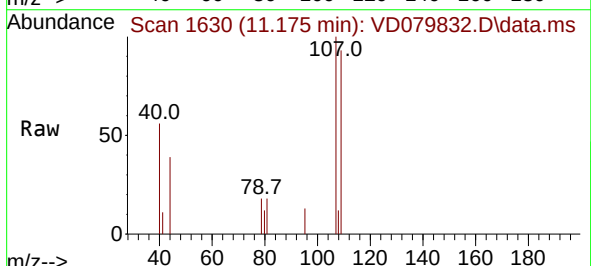
Tgt Ion:107 Resp: 2711

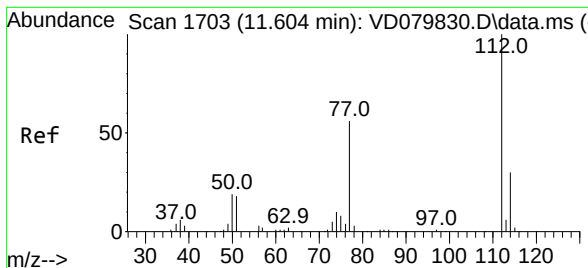
Ion Ratio Lower Upper

107 100

109 93.2 61.5 114.1

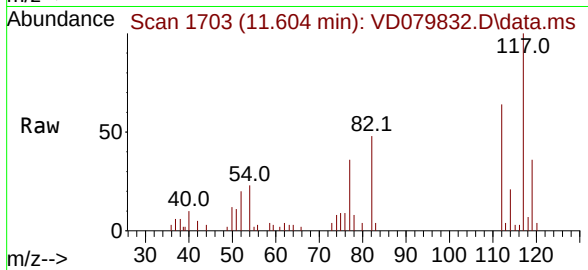
188 0.0 2.3 3.5





#51
Chlorobenzene
Concen: 1.489 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

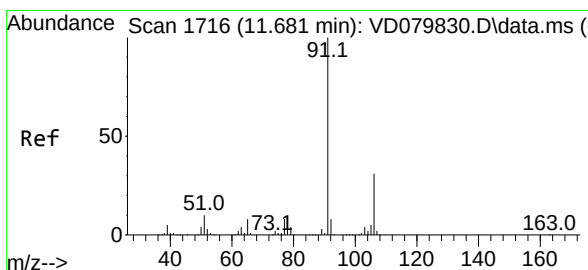
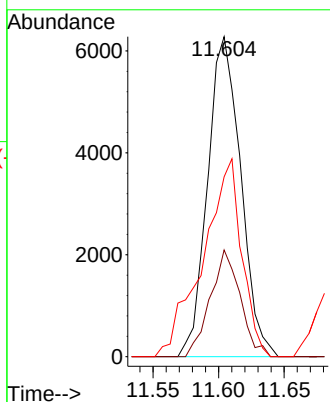
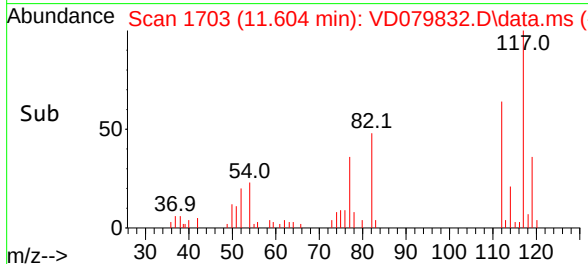
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion:112 Resp: 11050
Ion Ratio Lower Upper
112 100
114 33.3 22.0 41.0
77 56.2 46.7 70.1

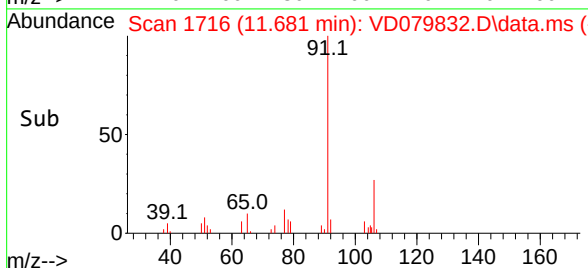
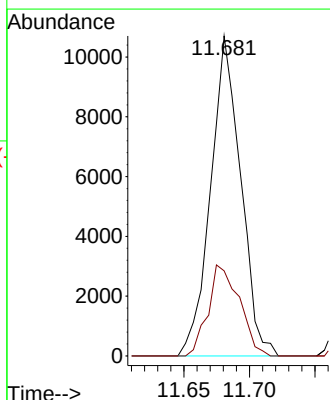
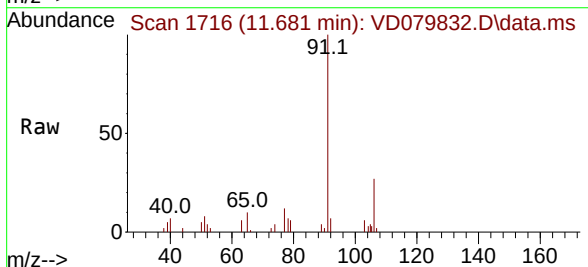
Manual Integrations
APPROVED

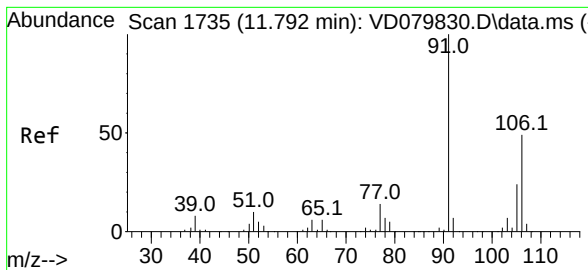
Reviewed By :Mahesh Dadoda 09/16/2024
Supervised By :Semsettin Yesilyurt 09/16/2024



#52
Ethylbenzene
Concen: 1.313 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

Tgt Ion: 91 Resp: 17062
Ion Ratio Lower Upper
91 100
106 26.6 21.3 39.5





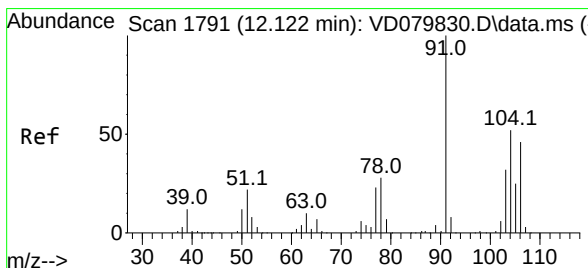
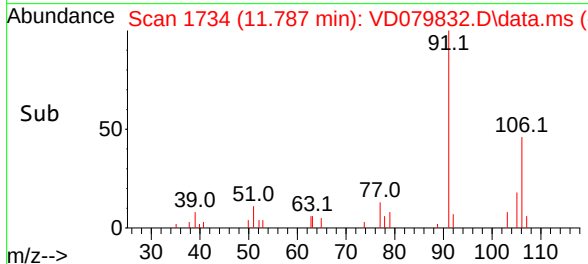
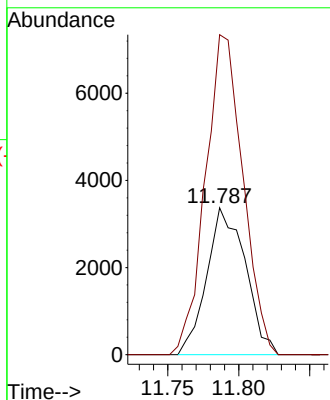
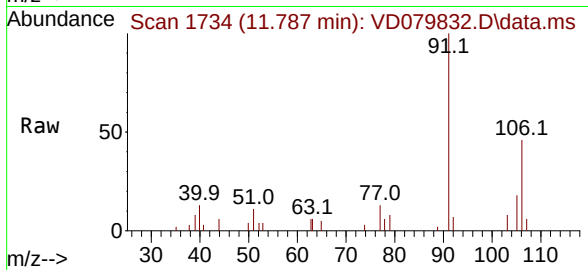
#53
m,p-Xylene
Concen: 1.298 ug/L
RT: 11.787 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2024-06

Tgt Ion:106 Resp: 6389
Ion Ratio Lower Upper
106 100
91 218.0 138.3 256.9

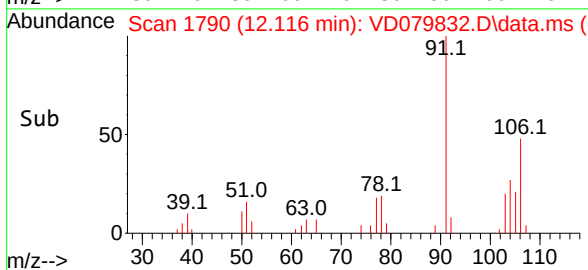
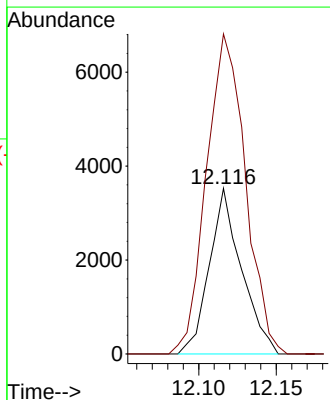
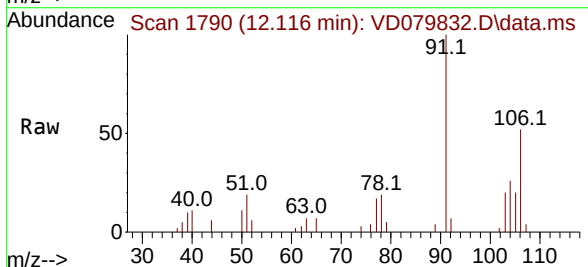
Manual Integrations
APPROVED

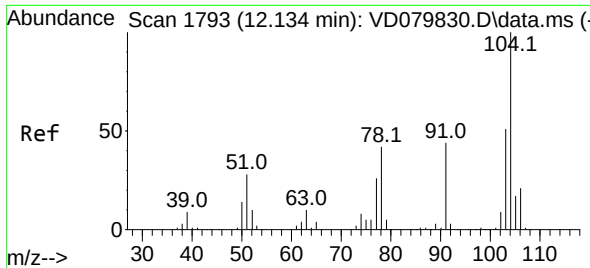
Reviewed By :Mahesh Dadoda 09/16/2024
Supervised By :Semsettin Yesilyurt 09/16/2024



#54
o-Xylene
Concen: 1.054 ug/L
RT: 12.116 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

Tgt Ion:106 Resp: 5090
Ion Ratio Lower Upper
106 100
91 193.3 152.6 283.4





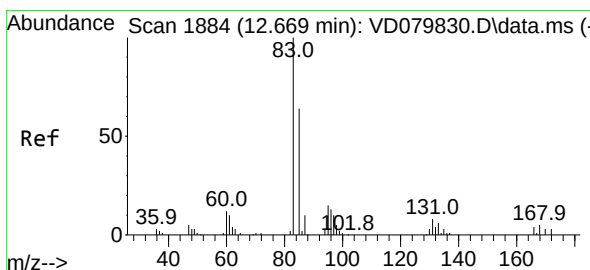
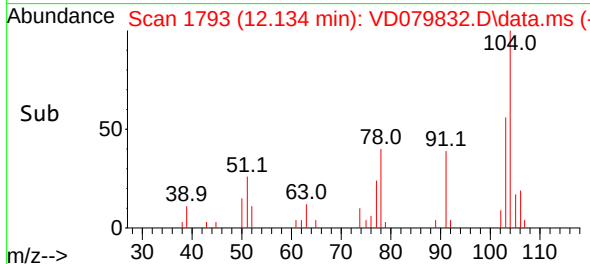
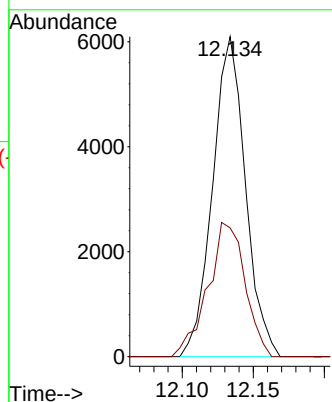
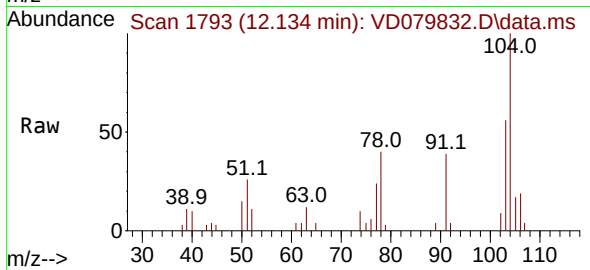
#55
Styrene
Concen: 1.155 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2024-06

Tgt Ion:104 Resp: 980
Ion Ratio Lower Upper
104 100
78 40.2 30.7 57.1

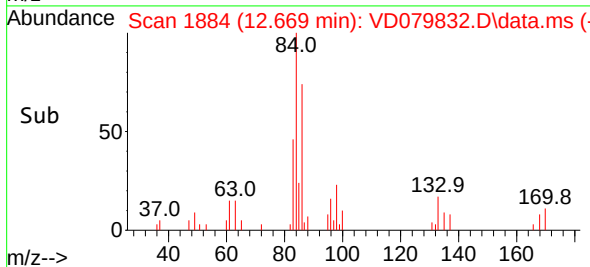
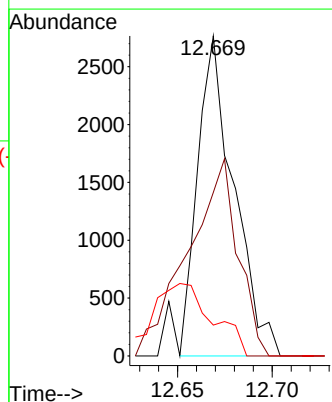
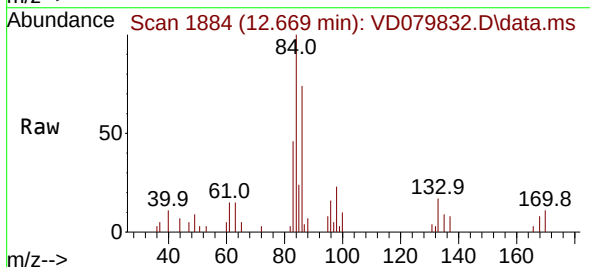
Manual Integrations
APPROVED

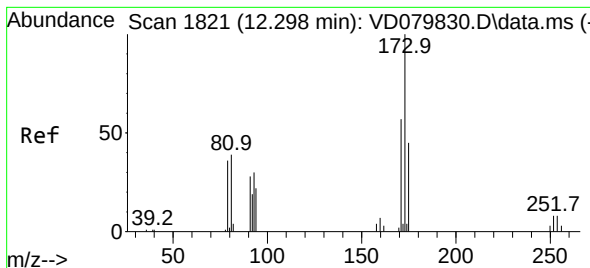
Reviewed By :Mahesh Dadoda 09/16/2024
Supervised By :Semsettin Yesilyurt 09/16/2024



#57
1,1,2,2-Tetrachloroethane
Concen: 1.440 ug/L
RT: 12.669 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

Tgt Ion: 83 Resp: 3695
Ion Ratio Lower Upper
83 100
85 51.1 46.8 87.0
131 9.7 6.5 9.7





#59

Bromoform

Concen: 1.662 ug/L m

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD079832.D

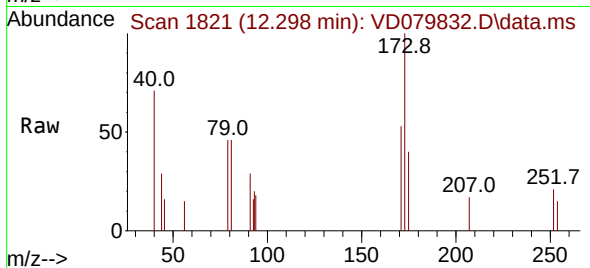
Acq: 13 Sep 2024 12:07

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT3-2024-06

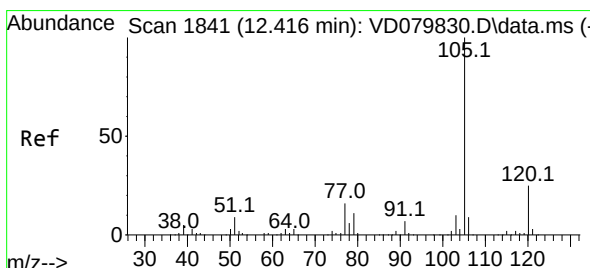
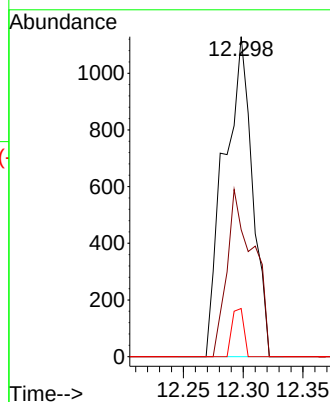
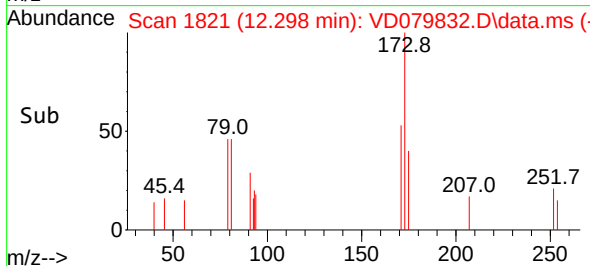


Tgt Ion:	173	Resp:	185
Ion Ratio	Lower	Upper	
173	100		
175	35.3	39.2	58.8
254	6.2	5.5	8.3

Manual Integrations

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Reviewed By :Mahesh Dadoda 09/16/2024
Supervised By :Semsettin Yesilyurt 09/16/2024



#60

Isopropylbenzene

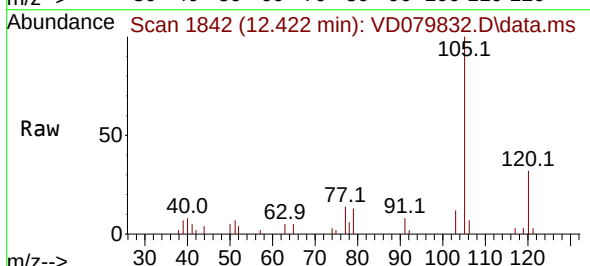
Concen: 1.256 ug/L

RT: 12.422 min Scan# 1842

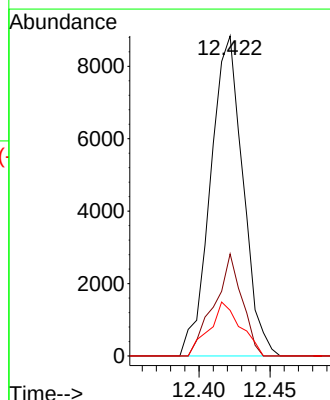
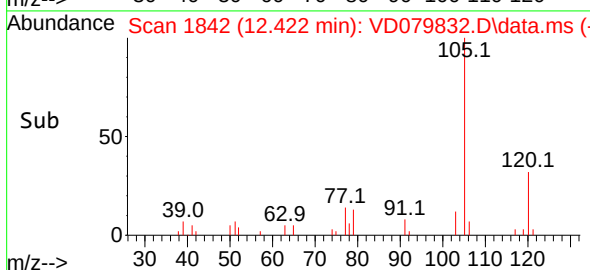
Delta R.T. 0.006 min

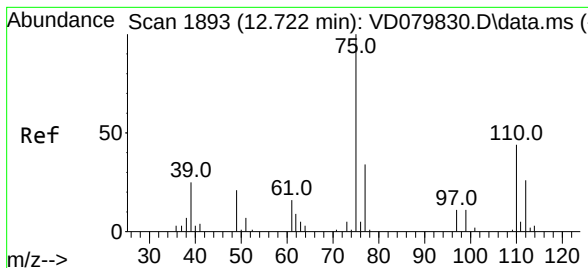
Lab File: VD079832.D

Acq: 13 Sep 2024 12:07



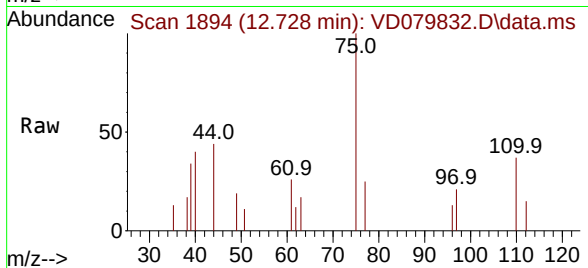
Tgt Ion:	105	Resp:	14049
Ion Ratio	Lower	Upper	
105	100		
120	27.2	20.9	31.3
77	16.4	12.6	19.0





#61
1,2,3-Trichloropropane
Concen: 1.595 ug/L
RT: 12.728 min Scan# 1893
Delta R.T. 0.006 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

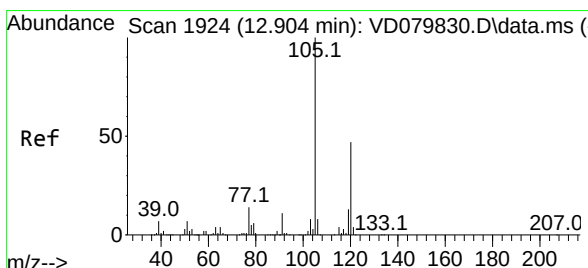
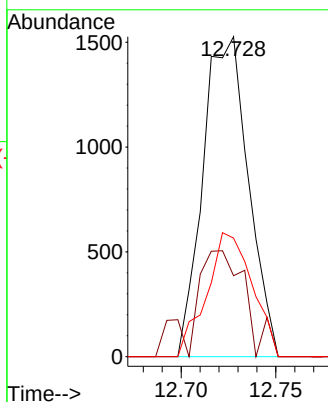
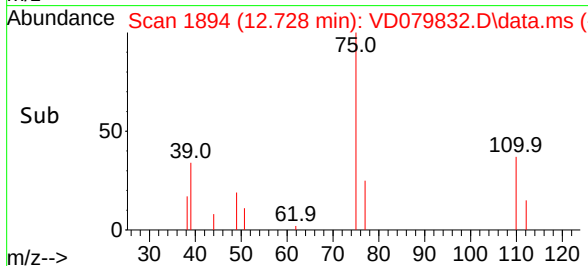
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT3-2024-06



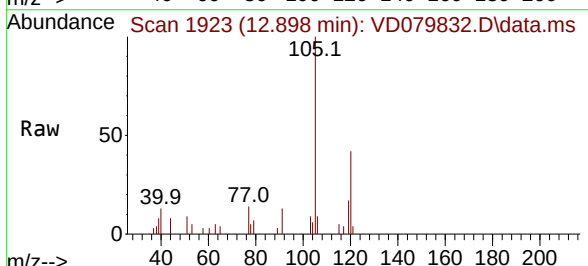
Tgt Ion: 75 Resp: 254
Ion Ratio Lower Upper
75 100
77 30.6 25.1 37.7
110 39.0 30.1 45.1

Manual Integrations
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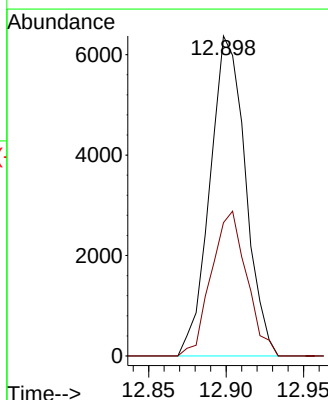
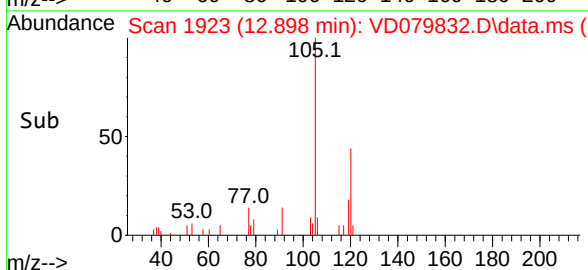
Reviewed By :Mahesh Dadoda 09/16/2024
Supervised By :Semsettin Yesilyurt 09/16/2024

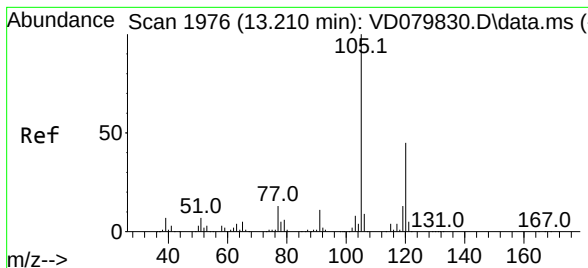


#62
1,3,5-Trimethylbenzene
Concen: 1.240 ug/L
RT: 12.898 min Scan# 1923
Delta R.T. -0.006 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07



Tgt Ion:105 Resp: 10145
Ion Ratio Lower Upper
105 100
120 45.1 38.3 57.5





#63

1,2,4-Trimethylbenzene

Concen: 1.215 ug/L

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD079832.D

Acq: 13 Sep 2024 12:07

Instrument :

MSVOA_D

ClientSampleId :

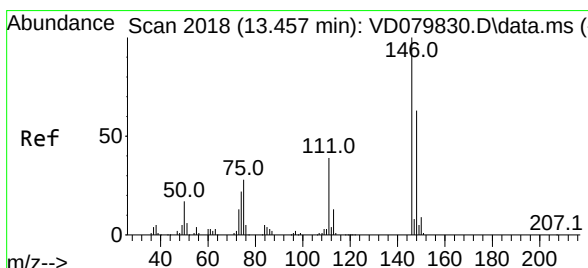
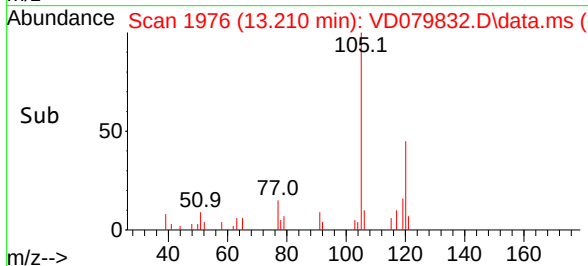
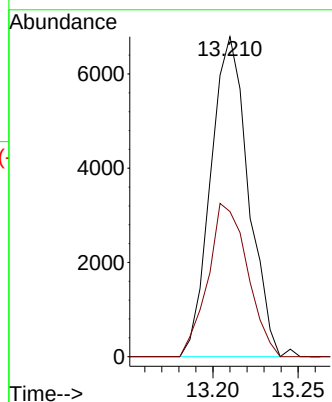
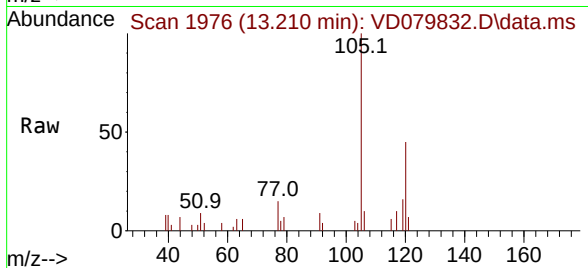
MDL-SOIL-QT3-2024-06

Tgt Ion:105 Resp: 1042
 Ion Ratio Lower Upper
 105 100
 120 50.2 36.3 54.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 09/16/2024
 Supervised By :Semsettin Yesilyurt 09/16/2024



#64

1,3-Dichlorobenzene

Concen: 1.412 ug/L

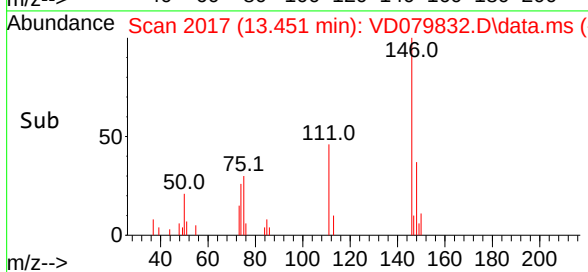
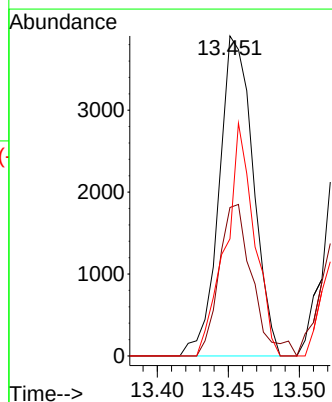
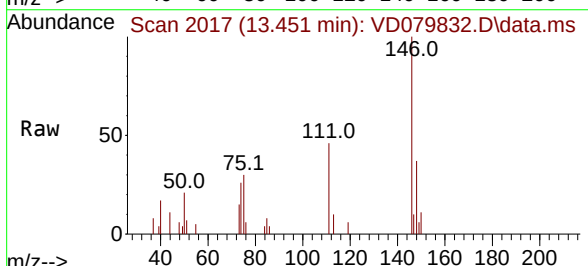
RT: 13.451 min Scan# 2017

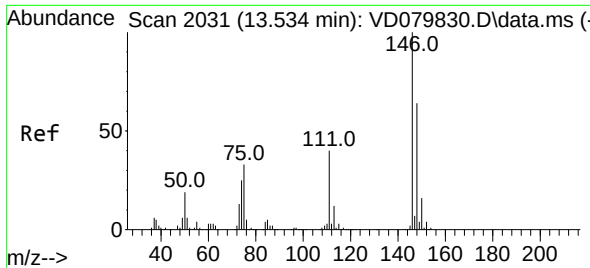
Delta R.T. -0.006 min

Lab File: VD079832.D

Acq: 13 Sep 2024 12:07

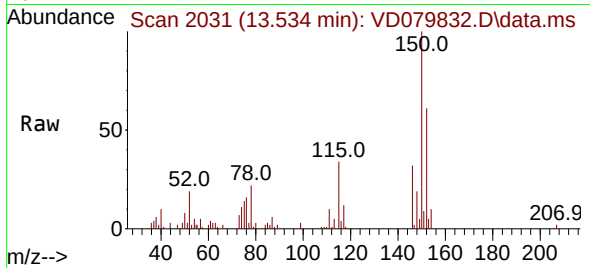
Tgt Ion:146 Resp: 6530
 Ion Ratio Lower Upper
 146 100
 111 46.4 27.4 50.8
 148 36.6 45.6 84.8#





#65
1,4-Dichlorobenzene
Concen: 1.626 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. 0.000 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

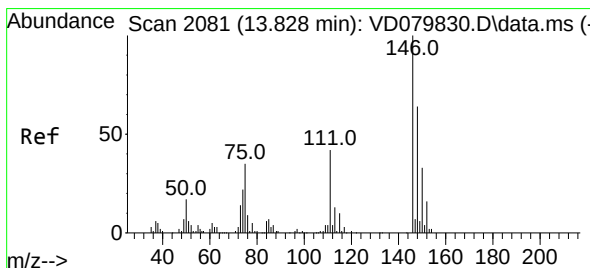
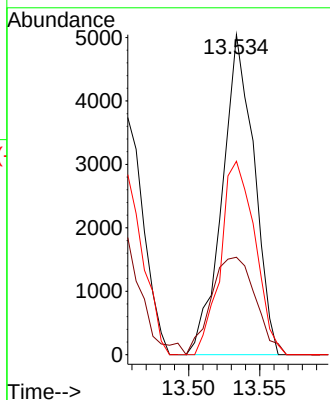
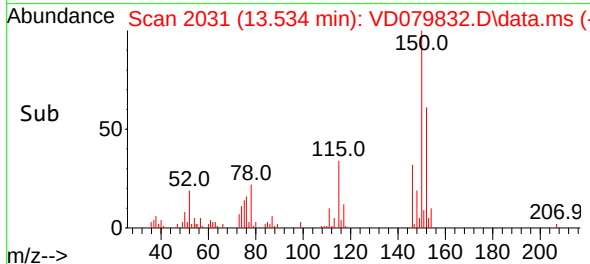
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2024-06



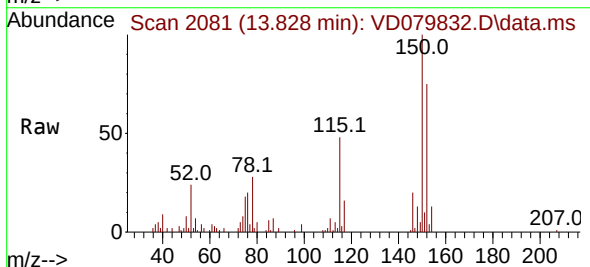
Tgt Ion:146 Resp: 7884
Ion Ratio Lower Upper
146 100
111 30.5 27.6 51.4
148 60.4 46.1 85.7

Manual Integrations
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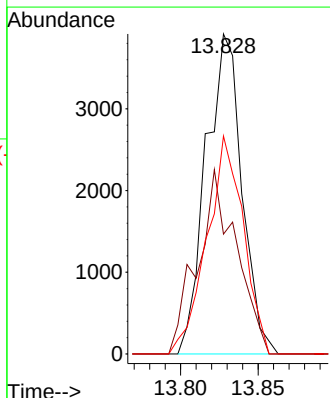
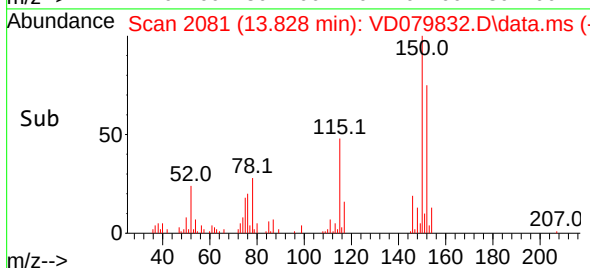
Reviewed By :Mahesh Dadoda 09/16/2024
Supervised By :Semsettin Yesilyurt 09/16/2024

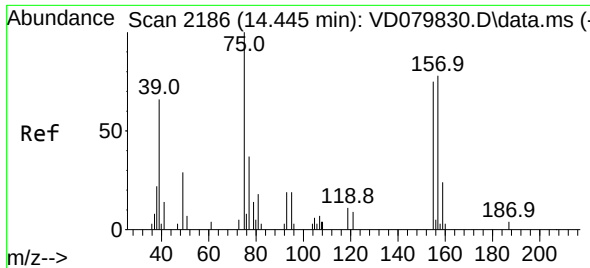


#67
1,2-Dichlorobenzene
Concen: 1.509 ug/L
RT: 13.828 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07



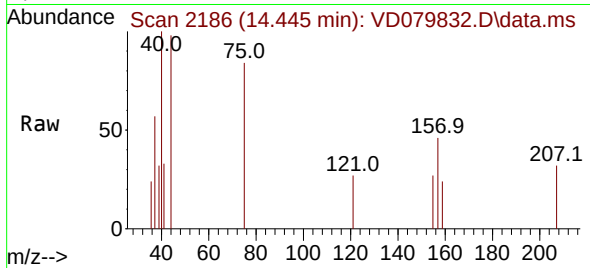
Tgt Ion:146 Resp: 6305
Ion Ratio Lower Upper
146 100
111 37.5 36.9 55.3
148 68.1 51.8 77.8





#68
1,2-Dibromo-3-chloropropane
Concen: 1.215 ug/L m
RT: 14.445 min Scan# 2186
Delta R.T. 0.000 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

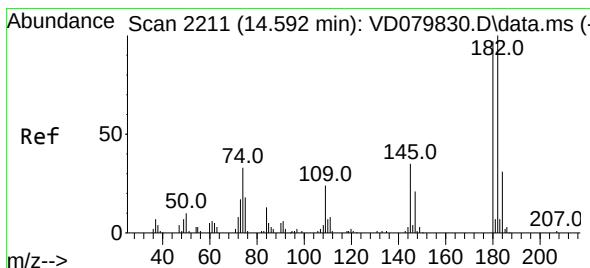
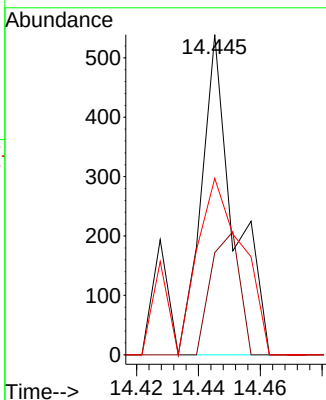
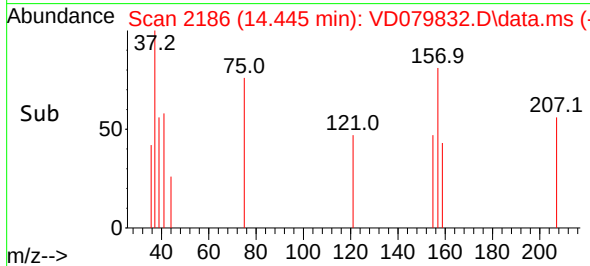
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2024-06



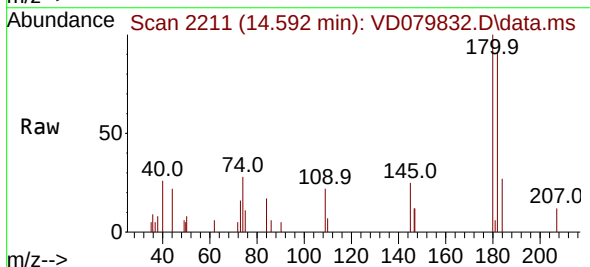
Tgt Ion: 75 Resp: 390
Ion Ratio Lower Upper
75 100
155 31.9 57.2 85.8
157 55.1 59.7 89.5

Manual Integrations
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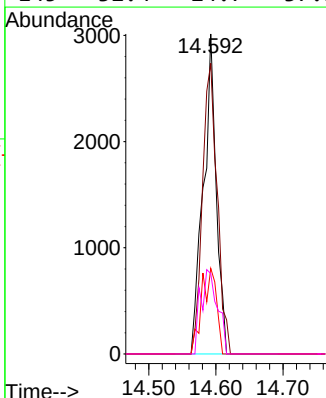
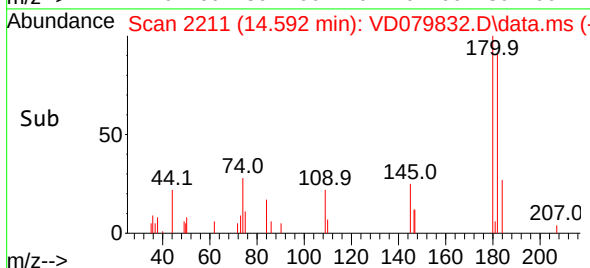
Reviewed By :Mahesh Dadoda 09/16/2024
Supervised By :Semsettin Yesilyurt 09/16/2024

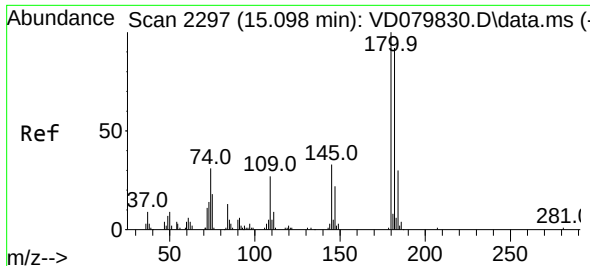


#69
1,3,5-Trichlorobenzene
Concen: 1.427 ug/L m
RT: 14.592 min Scan# 2211
Delta R.T. 0.000 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07



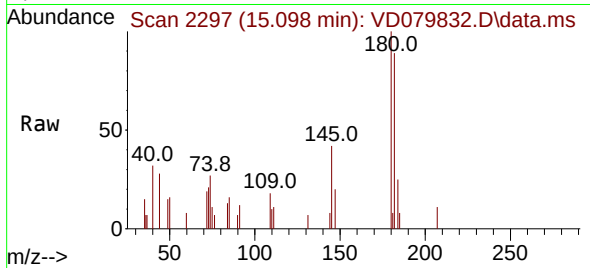
Tgt Ion:180 Resp: 4001
Ion Ratio Lower Upper
180 100
182 84.9 72.6 109.0
184 28.7 24.2 36.2
145 32.4 24.7 37.1





#70
1,2,4-trichlorobenzene
Concen: 1.630 ug/L
RT: 15.098 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

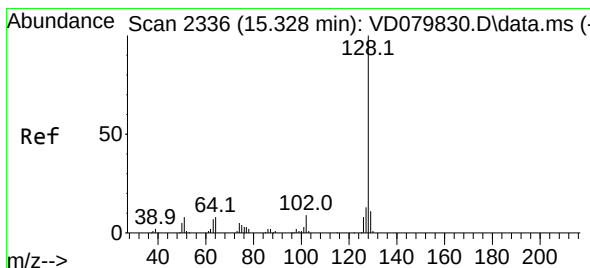
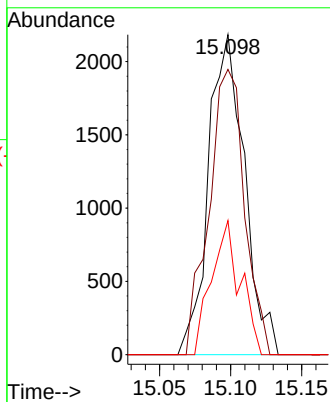
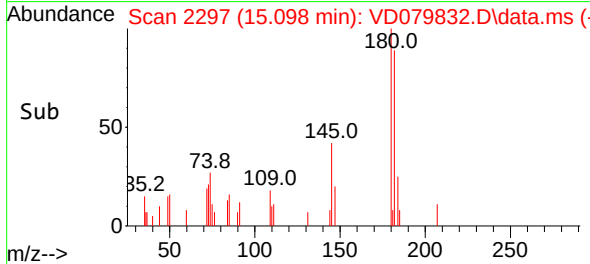
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion:180 Resp: 3840
Ion Ratio Lower Upper
180 100
182 88.3 75.9 113.9
145 33.7 26.6 40.0

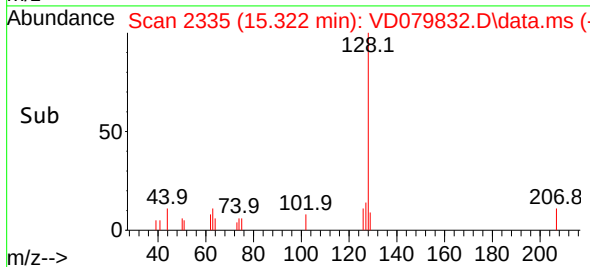
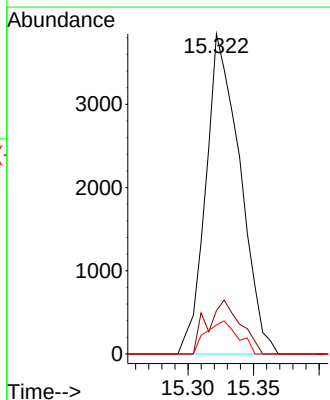
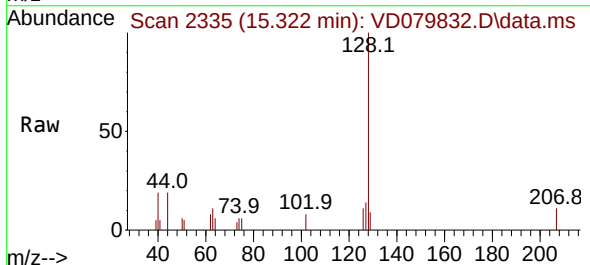
Manual Integrations
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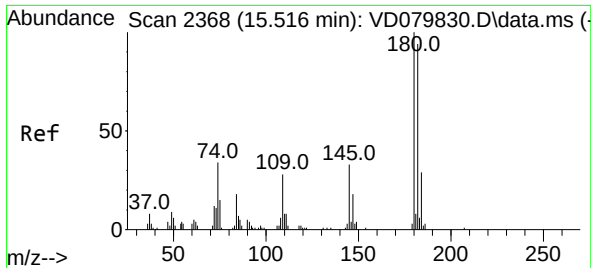
Reviewed By :Mahesh Dadoda 09/16/2024
Supervised By :Semsettin Yesilyurt 09/16/2024



#71
Naphthalene
Concen: 1.323 ug/L
RT: 15.322 min Scan# 2335
Delta R.T. -0.006 min
Lab File: VD079832.D
Acq: 13 Sep 2024 12:07

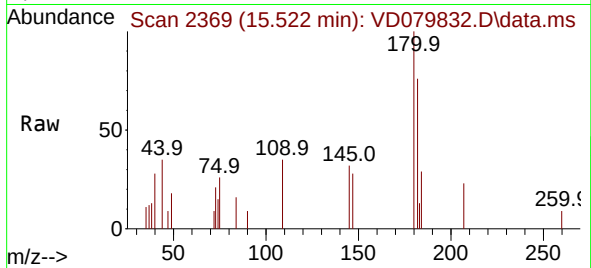
Tgt Ion:128 Resp: 6973
Ion Ratio Lower Upper
128 100
127 12.5 11.2 16.8
129 9.6 8.6 13.0





#72
 1,2,3-Trichlorobenzene
 Concen: 1.386 ug/L
 RT: 15.522 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VD079832.D
 Acq: 13 Sep 2024 12:07

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT3-2024-06



Tgt Ion:	180	Resp:	2920
Ion Ratio	Lower	Upper	
180	100		
182	97.1	74.1	111.1
145	27.2	26.4	39.6

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/16/2024
 Supervised By :Semsettin Yesilyurt 09/16/2024

