

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080724\
 Data File : VW029847.D
 Acq On : 07 Aug 2024 13:22
 Operator : SY/MD
 Sample : P3391-04
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Aug 08 02:09:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM072424SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Aug 08 02:00:49 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/13/2024
 Supervised By :Semsettin Yesilyurt 08/13/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	208079	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	197040	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	85116	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	49719	16.831	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.320%
7) Chloroethane-d5	2.899	69	44711	21.200	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.800%
11) 1,1-Dichloroethene-d2	4.021	65	25281	18.748	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.000%
21) 2-Butanone-d5	7.075	46	24458	30.208	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	60.420%
24) Chloroform-d	7.648	84	130762	24.276	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.120%
26) 1,2-Dichloroethane-d4	8.307	65	69011	22.494	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.960%
32) Benzene-d6	8.276	84	243823	22.902	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.600%
36) 1,2-Dichloropropane-d6	9.276	67	80581	23.704	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.800%
41) Toluene-d8	10.325	98	211291	22.320	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.280%
43) trans-1,3-Dichloroprop...	10.581	79	25793	18.751	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.000%
47) 2-Hexanone-d5	10.922	63	14887	26.558	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	53.120%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	47637	18.872	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.480%
66) 1,2-Dichlorobenzene-d4	13.848	152	62307	23.575	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	3509m	1.251	ug/L	
3) Chloromethane	2.216	50	4621	1.331	ug/L	99
5) Vinyl chloride	2.375	62	5556	1.429	ug/L	100
6) Bromomethane	2.789	94	2967	1.389	ug/L	78
8) Chloroethane	2.936	64	3368	1.522	ug/L	94
9) Trichlorofluoromethane	3.265	101	3614m	1.163	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	4921m	1.591	ug/L	
12) 1,1-Dichloroethene	4.039	96	4220m	1.485	ug/L	
14) Carbon disulfide	4.387	76	11503	1.216	ug/L	100
15) Methyl Acetate	4.685	43	1668m	0.995	ug/L	
16) Methylene chloride	4.917	84	15531	3.570	ug/L	93
17) trans-1,2-Dichloroethene	5.429	96	3848	1.256	ug/L	86
18) Methyl tert-butyl Ether	5.429	73	4765m	0.944	ug/L	
19) 1,1-Dichloroethane	6.216	63	8516	1.318	ug/L	94
20) cis-1,2-Dichloroethene	7.173	96	4177	1.257	ug/L	93
22) 2-Butanone	7.191	43	3413m	2.647	ug/L	
23) Bromochloromethane	7.514	128	1580	1.120	ug/L	81
25) Chloroform	7.673	83	9463	1.555	ug/L	96
27) 1,2-Dichloroethane	8.404	62	5501	1.240	ug/L	98

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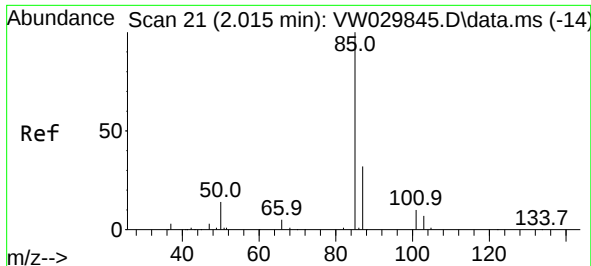
Quant Time: Aug 08 02:09:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM072424SMA.M
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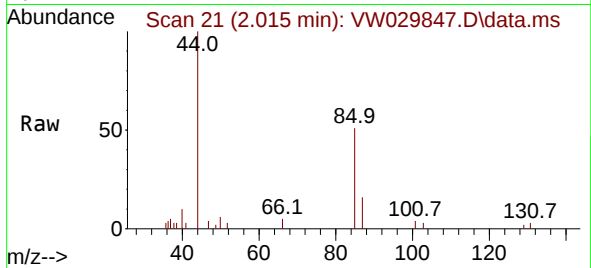
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.953	56	5178	0.925	ug/L	97
30) 1,1,1-Trichloroethane	7.874	97	6773	1.357	ug/L	98
31) Carbon tetrachloride	8.075	117	5551	1.235	ug/L	91
33) Benzene	8.325	78	17497	1.296	ug/L	100
34) Trichloroethene	9.093	95	4425	1.250	ug/L	98
35) Methylcyclohexane	9.337	83	6116	1.037	ug/L	91
37) 1,2-Dichloropropane	9.368	63	4985	1.347	ug/L	99
38) Bromodichloromethane	9.648	83	5471	1.242	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	5601	1.040	ug/L	95
40) 4-Methyl-2-pentanone	10.209	43	3569	1.519	ug/L	98
42) Toluene	10.386	91	17488	1.269	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	4385m	0.980	ug/L	
45) 1,1,2-Trichloroethane	10.788	97	2850	1.147	ug/L	89
46) Tetrachloroethene	10.861	164	3219	1.251	ug/L	88
48) 2-Hexanone	10.971	43	2838m	1.612	ug/L	
49) Dibromochloromethane	11.129	129	2805	1.087	ug/L	97
50) 1,2-Dibromoethane	11.233	107	2383	1.036	ug/L #	90
51) Chlorobenzene	11.660	112	10973	1.280	ug/L	95
52) Ethylbenzene	11.727	91	17871	1.150	ug/L	99
53) m,p-Xylene	11.837	106	6316	1.105	ug/L	89
54) o-Xylene	12.160	106	5510	1.047	ug/L	90
55) Styrene	12.178	104	8456	0.927	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.708	83	3035	0.995	ug/L #	95
59) Bromoform	12.349	173	1368	1.068	ug/L #	84
60) Isopropylbenzene	12.458	105	14482	1.100	ug/L	97
61) 1,2,3-Trichloropropane	12.769	75	2142	1.035	ug/L #	85
62) 1,3,5-Trimethylbenzene	12.940	105	10753	1.098	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	10554	1.008	ug/L	97
64) 1,3-Dichlorobenzene	13.501	146	7494	1.334	ug/L	90
65) 1,4-Dichlorobenzene	13.574	146	7867	1.363	ug/L	85
67) 1,2-Dichlorobenzene	13.867	146	6886	1.346	ug/L	88
68) 1,2-Dibromo-3-chloropr...	14.482	75	448m	0.953	ug/L	
69) 1,3,5-Trichlorobenzene	14.623	180	5251	1.366	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	3752	1.158	ug/L	91
71) Naphthalene	15.354	128	4507	0.729	ug/L	95
72) 1,2,3-Trichlorobenzene	15.549	180	3337	1.138	ug/L	95

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



#2
Dichlorodifluoromethane
Concen: 1.251 ug/L m
RT: 2.015 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

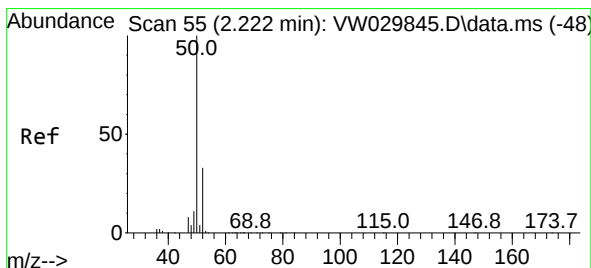
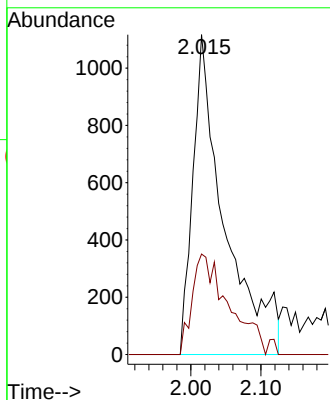
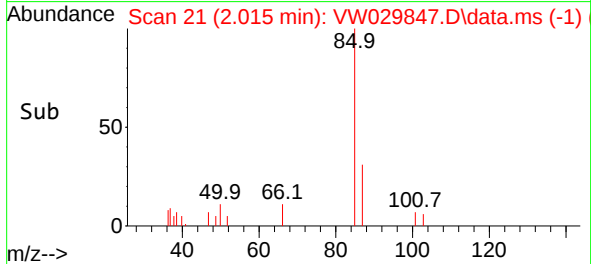
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion: 85 Resp: 3509
Ion Ratio Lower Upper
85 100
87 17.5 25.5 38.3

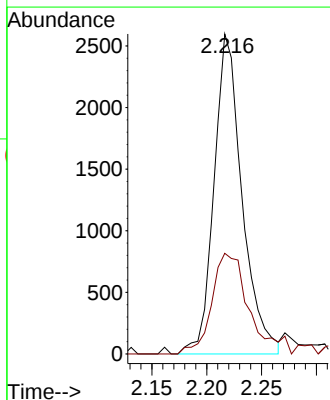
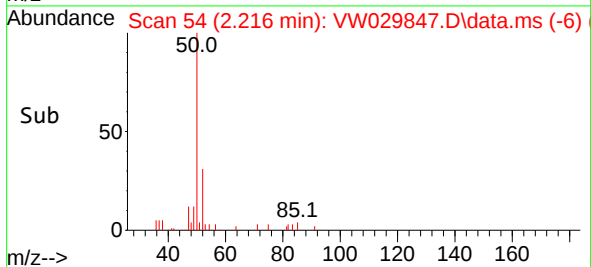
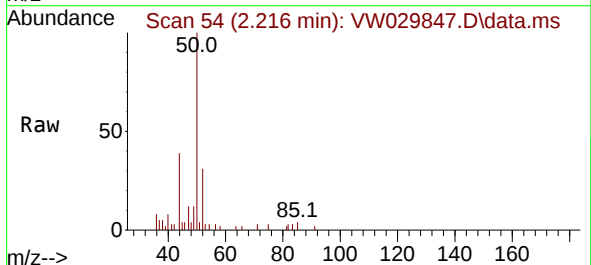
Manual Integrations
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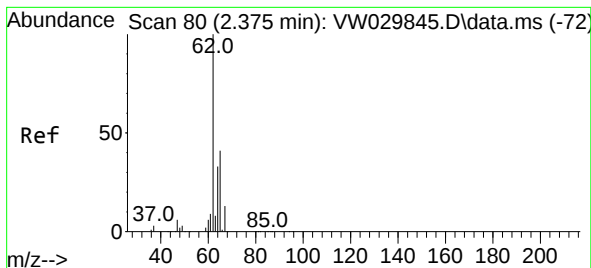
Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024



#3
Chloromethane
Concen: 1.331 ug/L
RT: 2.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

Tgt Ion: 50 Resp: 4621
Ion Ratio Lower Upper
50 100
52 31.4 22.5 41.9





#5

Vinyl chloride

Concen: 1.429 ug/L

RT: 2.375 min Scan# 80

Delta R.T. 0.000 min

Lab File: VW029847.D

Acq: 07 Aug 2024 13:22

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2024-06

Tgt Ion: 62 Resp: 555

Ion Ratio Lower Upper

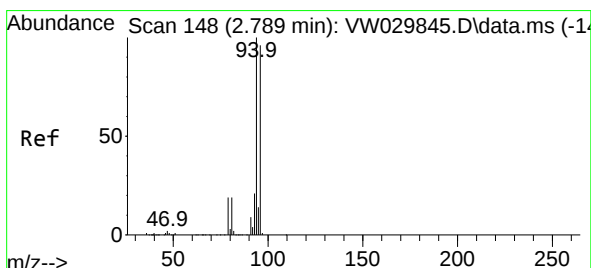
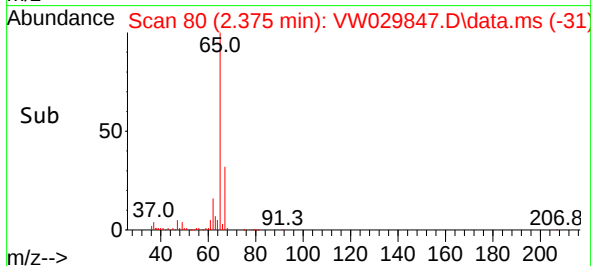
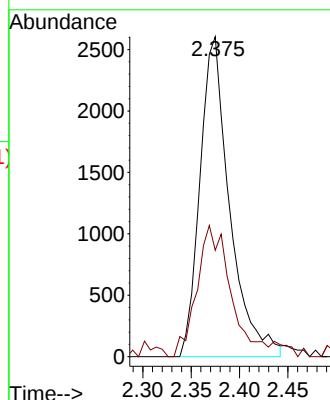
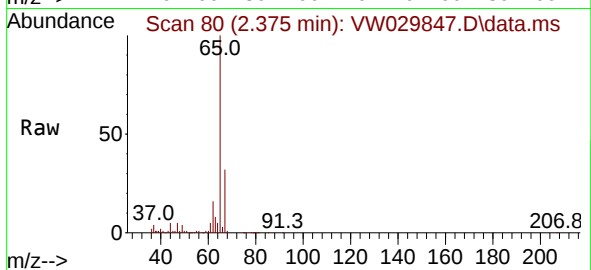
62 100

64 33.2 23.2 43.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024



#6

Bromomethane

Concen: 1.389 ug/L

RT: 2.789 min Scan# 148

Delta R.T. 0.000 min

Lab File: VW029847.D

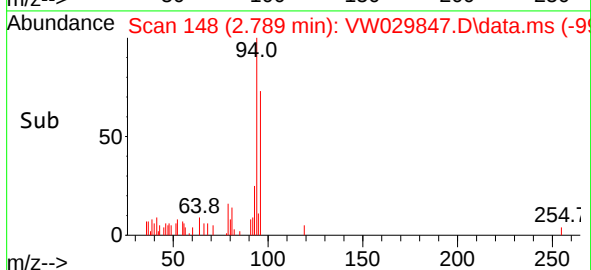
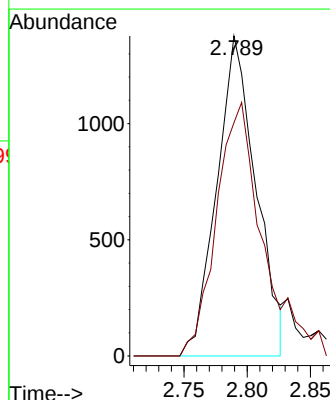
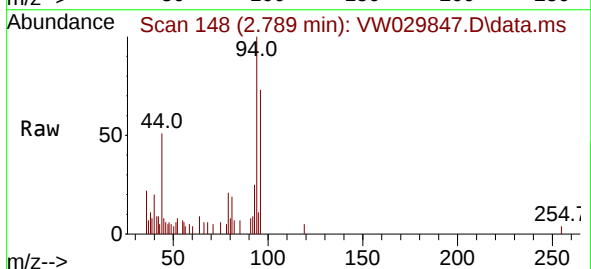
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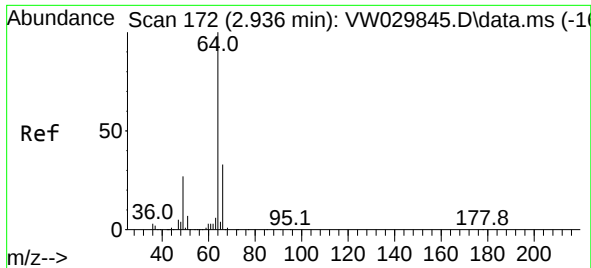
Tgt Ion: 94 Resp: 2967

Ion Ratio Lower Upper

94 100

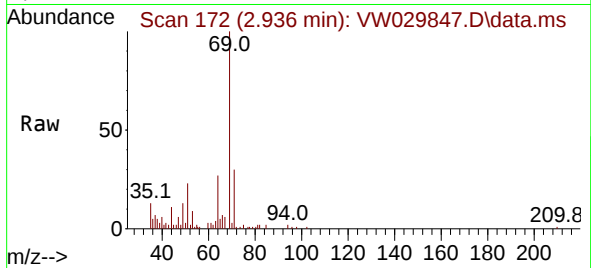
96 72.9 66.2 123.0





#8
Chloroethane
Concen: 1.522 ug/L
RT: 2.936 min Scan# 172
Delta R.T. 0.000 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

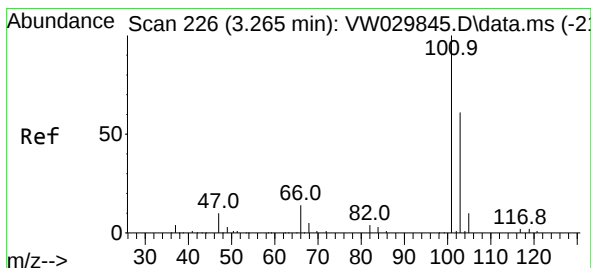
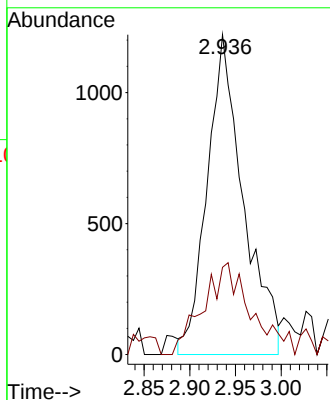
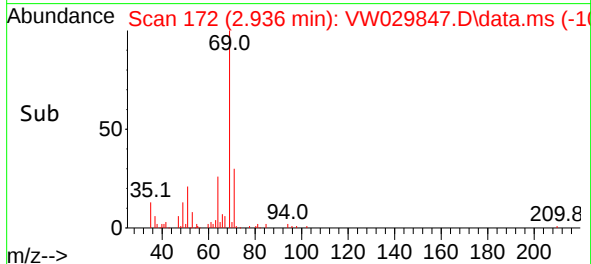
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion: 64 Resp: 336
Ion Ratio Lower Upper
64 100
66 27.3 21.2 39.4

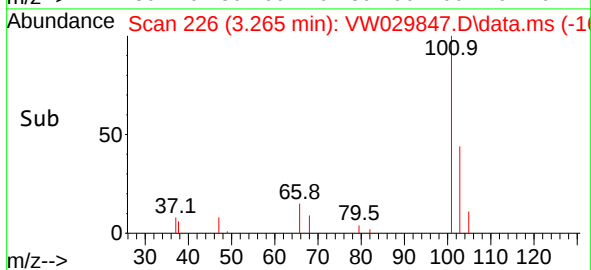
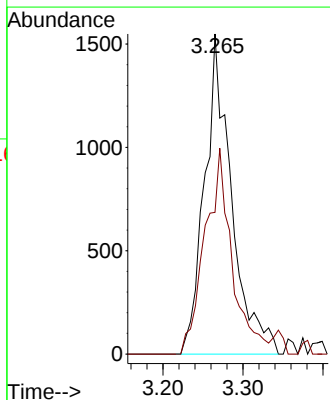
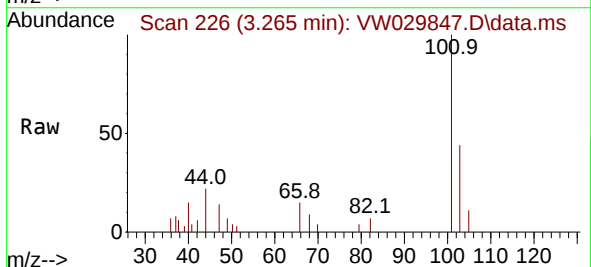
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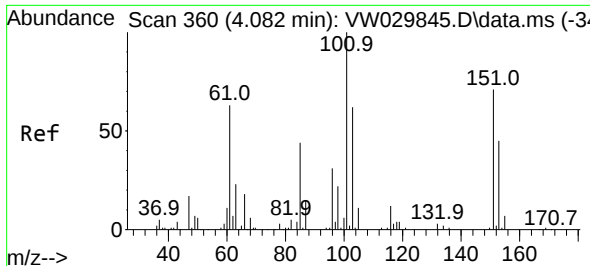
Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024



#9
Trichlorofluoromethane
Concen: 1.163 ug/L m
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

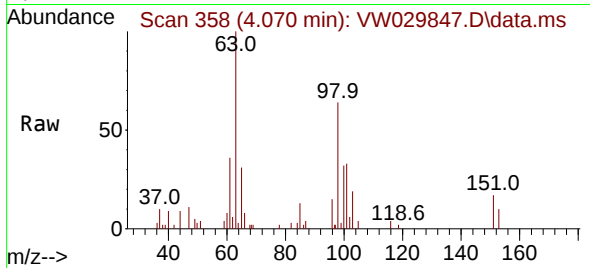
Tgt Ion:101 Resp: 3614
Ion Ratio Lower Upper
101 100
103 35.4 51.0 76.4#





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.591 ug/L m
RT: 4.070 min Scan# 358
Delta R.T. -0.012 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

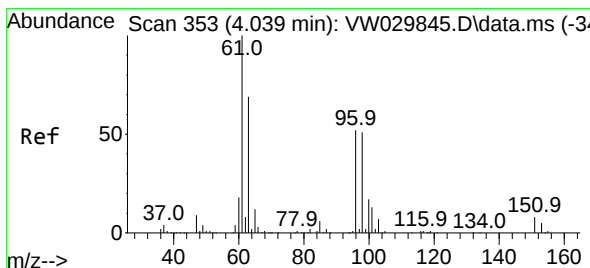
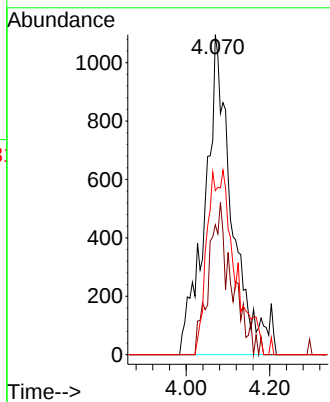
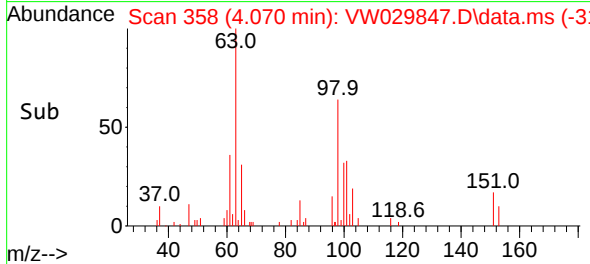
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion: 101 Resp: 492
Ion Ratio Lower Upper
101 100
85 13.5 34.2 51.4
151 20.7 54.2 81.2

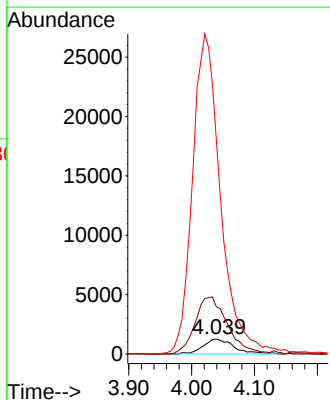
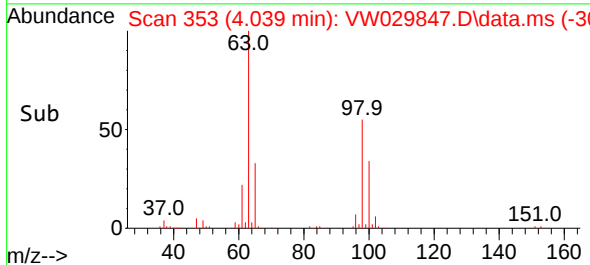
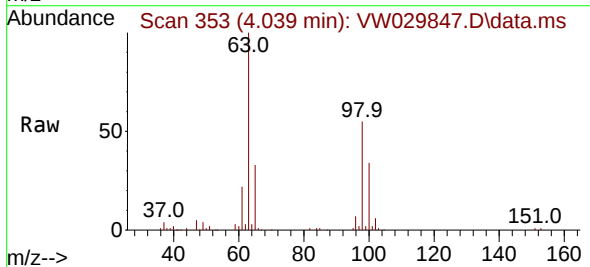
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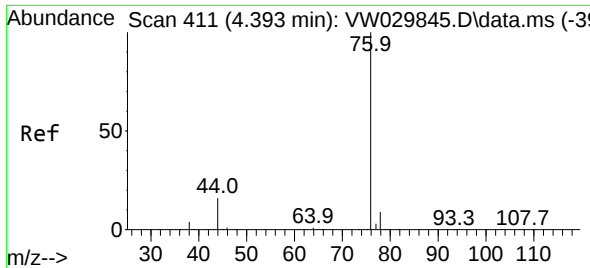
Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024



#12
1,1-Dichloroethene
Concen: 1.485 ug/L m
RT: 4.039 min Scan# 353
Delta R.T. 0.000 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

Tgt Ion: 96 Resp: 4220
Ion Ratio Lower Upper
96 100
61 321.7 138.3 256.9#
63 1458.3 89.0 165.4#





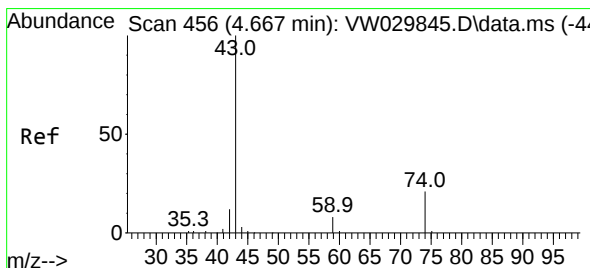
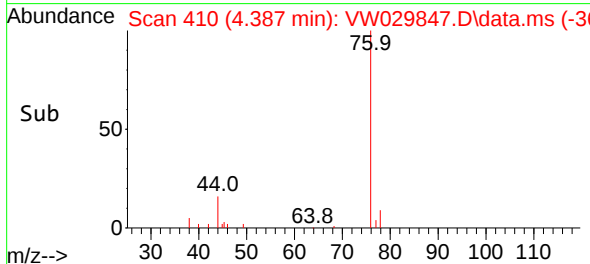
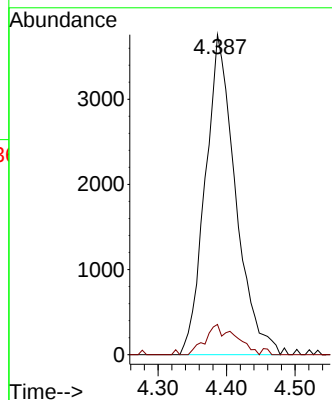
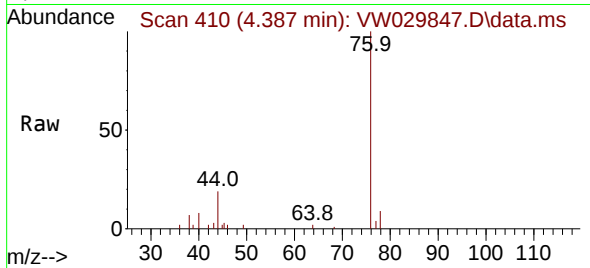
#14
Carbon disulfide
Concen: 1.216 ug/L
RT: 4.387 min Scan# 411
Delta R.T. -0.006 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

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

Tgt Ion: 76 Resp: 1150
Ion Ratio Lower Upper
76 100
78 9.4 7.6 11.4

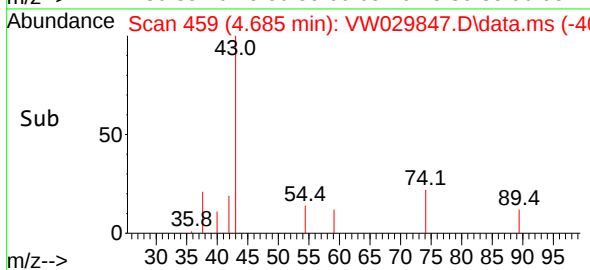
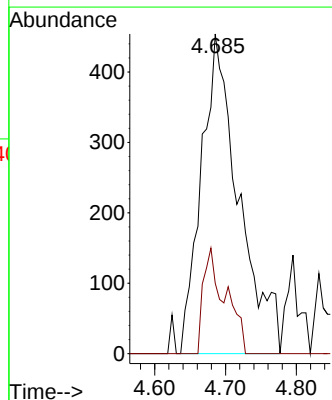
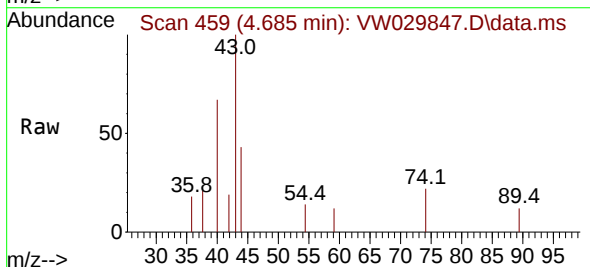
Manual Integrations
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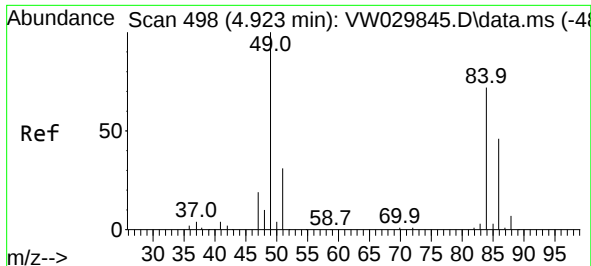
Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024



#15
Methyl Acetate
Concen: 0.995 ug/L m
RT: 4.685 min Scan# 459
Delta R.T. 0.018 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

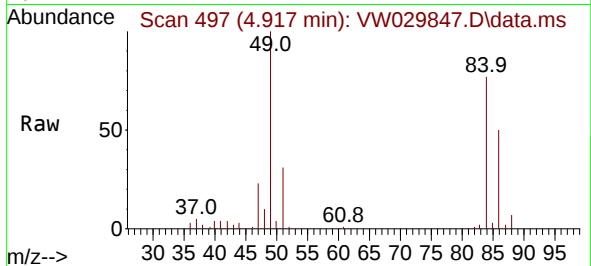
Tgt Ion: 43 Resp: 1668
Ion Ratio Lower Upper
43 100
74 13.6 16.5 24.7#





#16
Methylene chloride
Concen: 3.570 ug/L
RT: 4.917 min Scan# 49
Delta R.T. -0.006 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

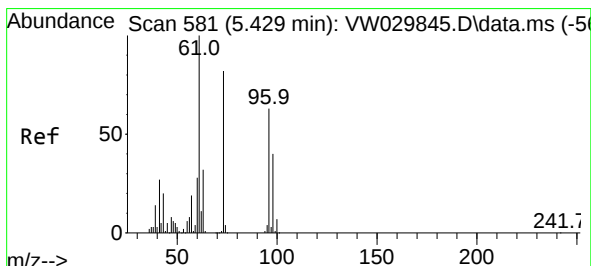
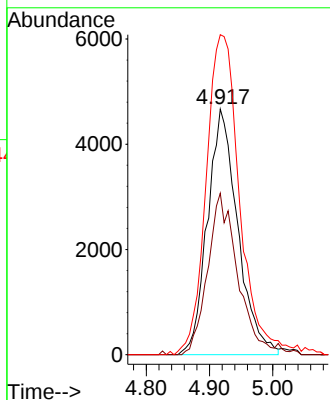
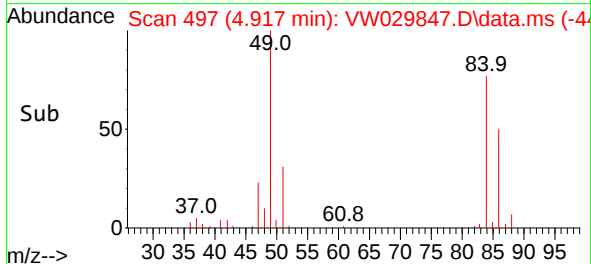
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion: 84 Resp: 1553
Ion Ratio Lower Upper
84 100
86 65.7 44.7 82.9
49 130.3 99.0 184.0

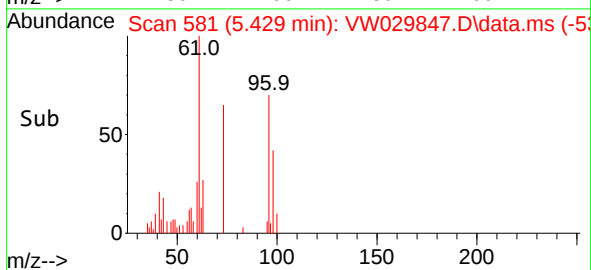
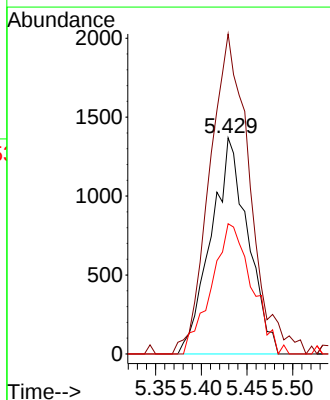
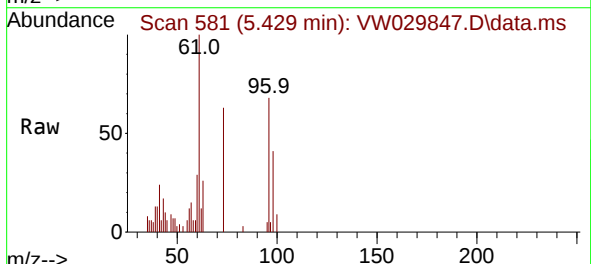
Manual Integrations
APPROVED

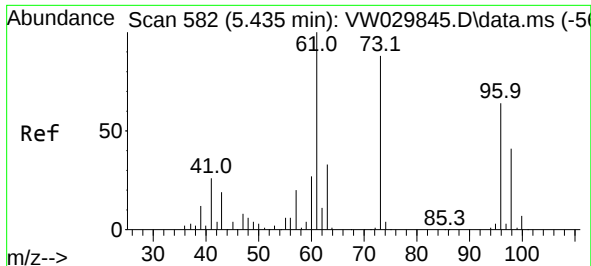
Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024



#17
trans-1,2-Dichloroethene
Concen: 1.256 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

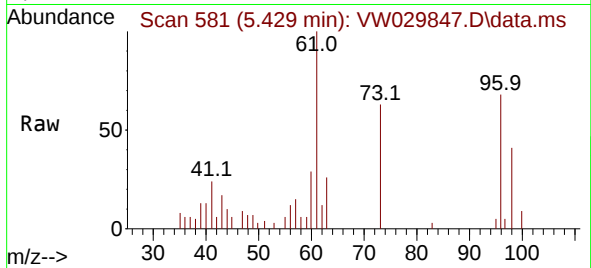
Tgt Ion: 96 Resp: 3848
Ion Ratio Lower Upper
96 100
61 138.7 111.2 206.6
98 56.5 45.0 83.6





#18
Methyl tert-butyl Ether
Concen: 0.944 ug/L m
RT: 5.429 min Scan# 582
Delta R.T. -0.006 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

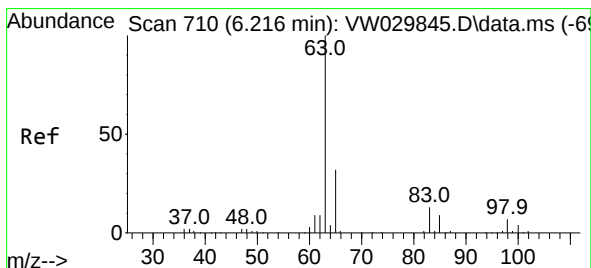
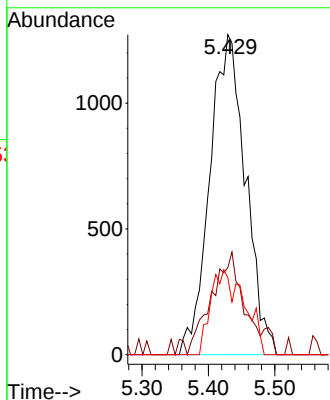
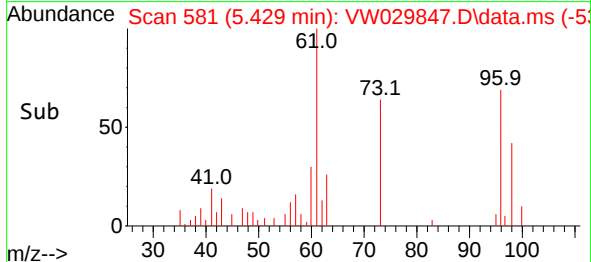
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion: 73 Resp: 476
Ion Ratio Lower Upper
73 100
43 13.5 18.3 27.5
57 14.9 17.9 26.9

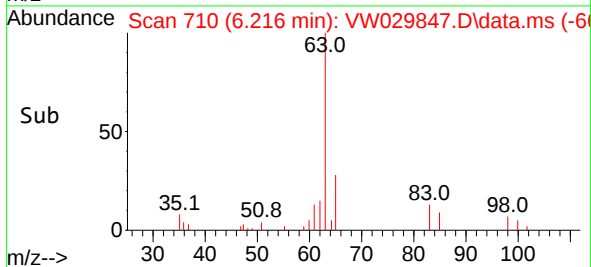
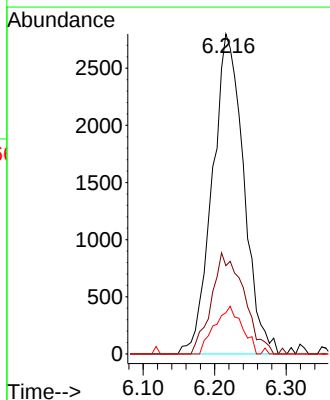
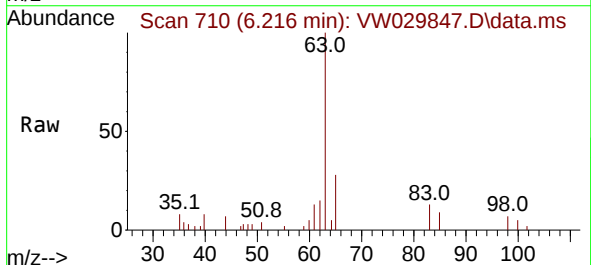
Manual Integrations
APPROVED

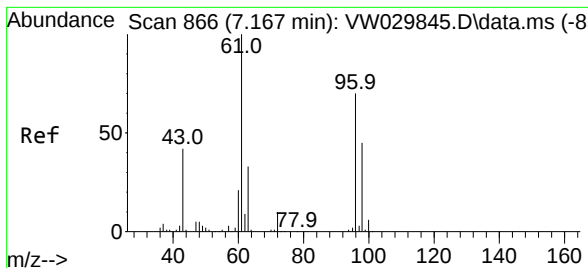
Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024



#19
1,1-Dichloroethane
Concen: 1.318 ug/L
RT: 6.216 min Scan# 710
Delta R.T. 0.000 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

Tgt Ion: 63 Resp: 8516
Ion Ratio Lower Upper
63 100
65 27.6 22.3 41.3
83 12.9 8.5 15.7





#20

cis-1,2-Dichloroethene

Concen: 1.257 ug/L

RT: 7.173 min Scan# 80

Delta R.T. 0.006 min

Lab File: VW029847.D

Acq: 07 Aug 2024 13:22

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2024-06

Tgt Ion: 96 Resp: 417

Ion Ratio Lower Upper

96 100

61 133.7 98.2 182.4

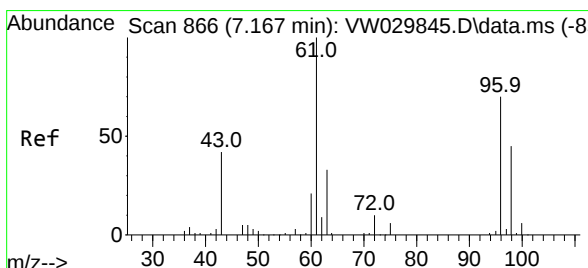
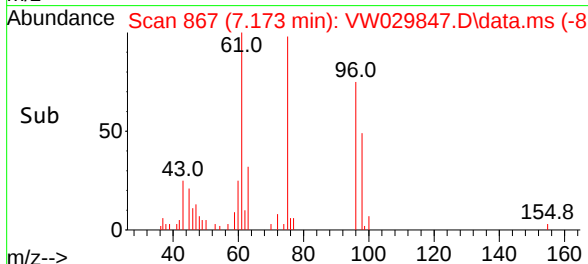
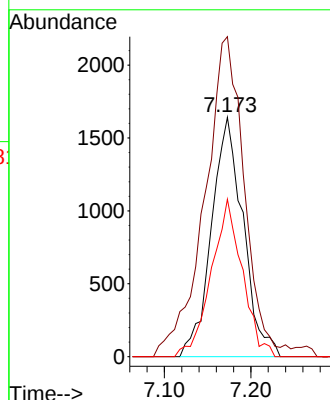
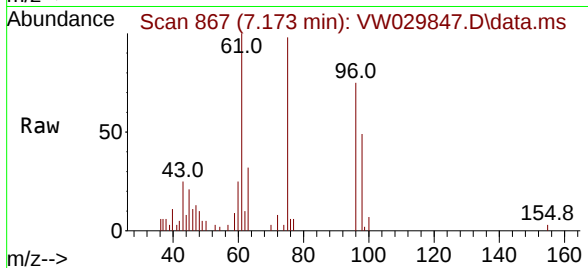
98 68.9 41.9 77.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/13/2024

Supervised By :Semsettin Yesilyurt 08/13/2024



#22

2-Butanone

Concen: 2.647 ug/L m

RT: 7.191 min Scan# 870

Delta R.T. 0.024 min

Lab File: VW029847.D

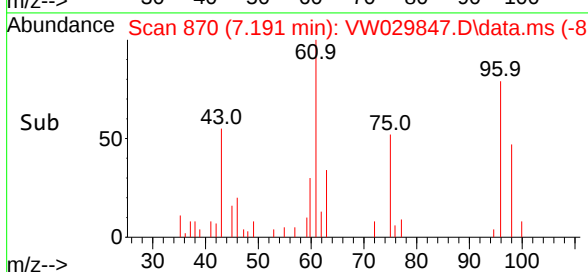
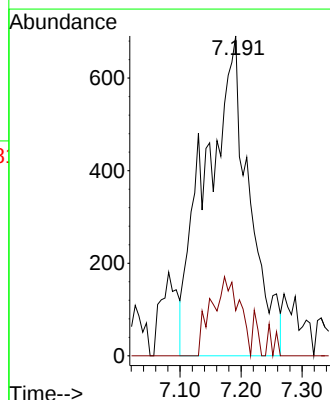
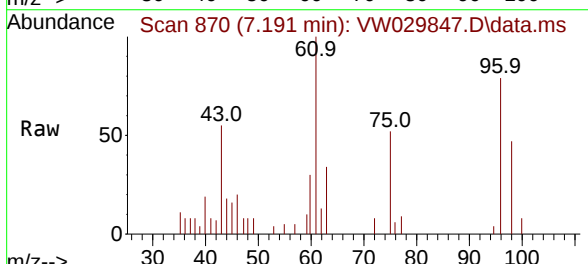
Acq: 07 Aug 2024 13:22

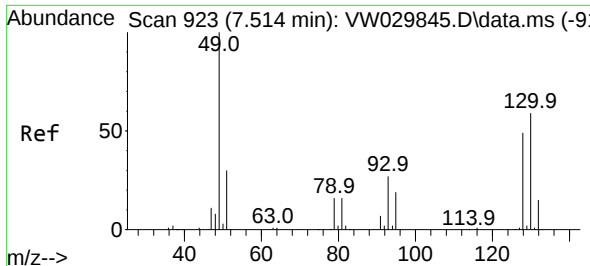
Tgt Ion: 43 Resp: 3413

Ion Ratio Lower Upper

43 100

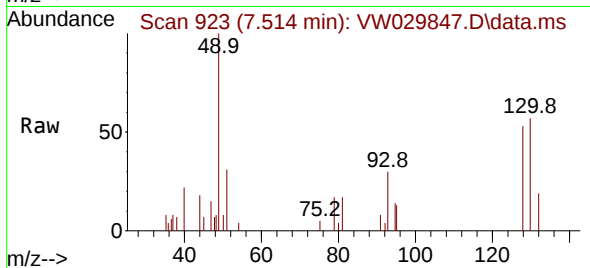
72 7.5 11.7 35.1#





#23
Bromochloromethane
Concen: 1.120 ug/L
RT: 7.514 min Scan# 912
Delta R.T. 0.000 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

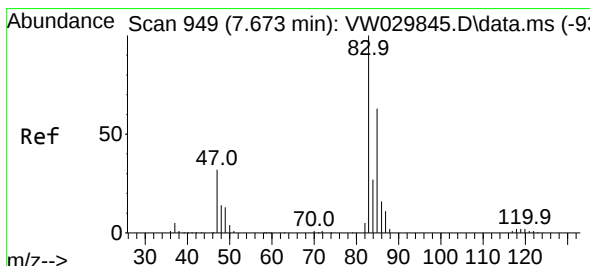
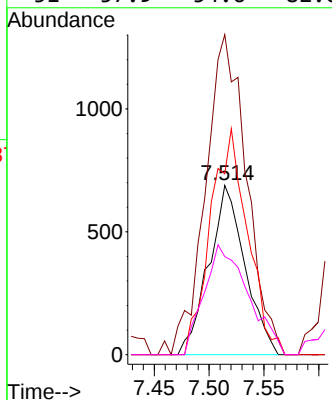
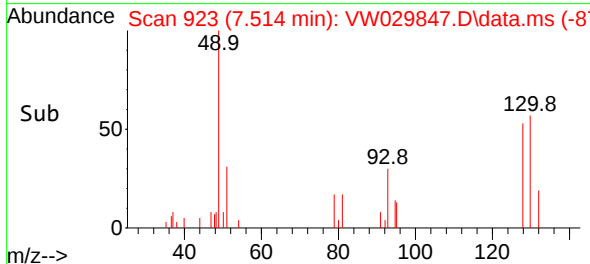
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion:128 Resp: 1580
Ion Ratio Lower Upper
128 100
49 189.0 151.1 280.7
130 106.8 96.8 179.8
51 57.9 54.6 82.0

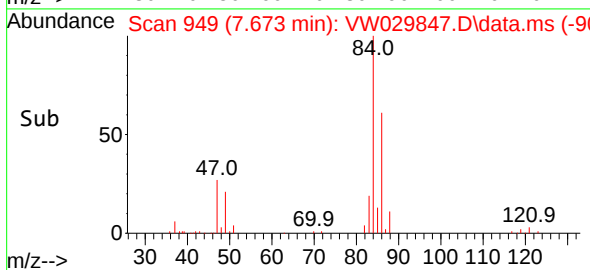
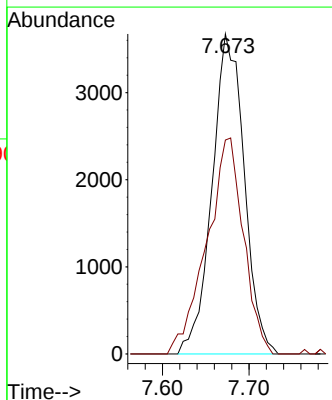
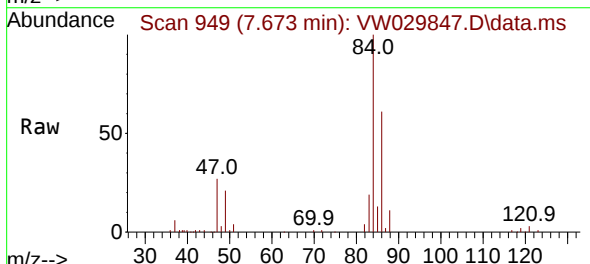
Manual Integrations
APPROVED

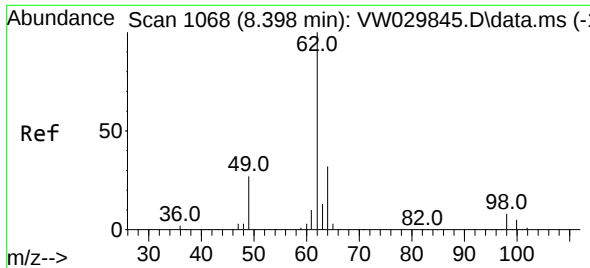
Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024



#25
Chloroform
Concen: 1.555 ug/L
RT: 7.673 min Scan# 949
Delta R.T. 0.000 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

Tgt Ion: 83 Resp: 9463
Ion Ratio Lower Upper
83 100
85 66.8 44.4 82.4





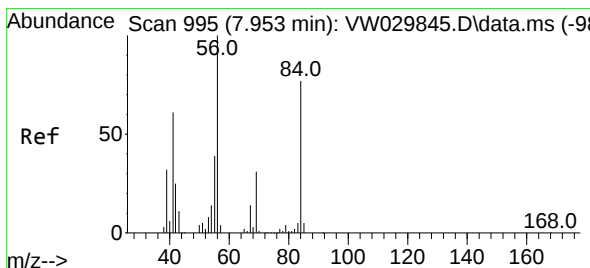
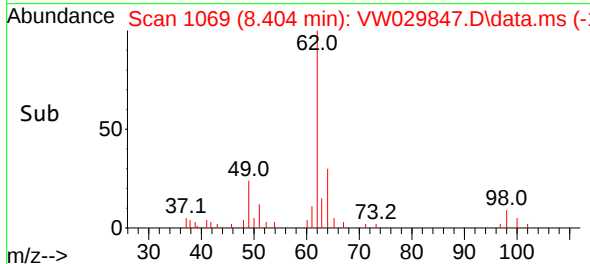
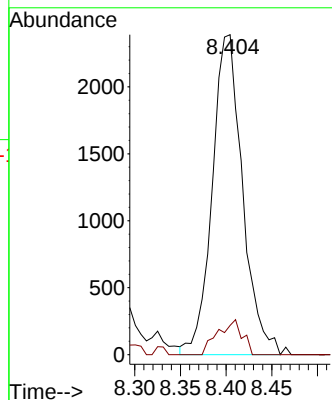
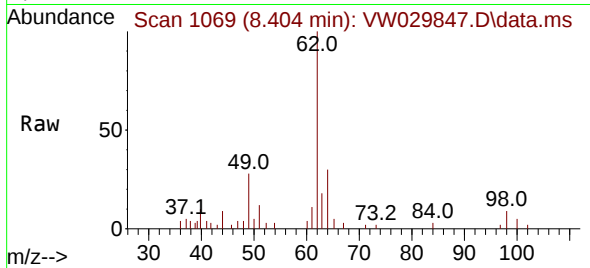
#27
1,2-Dichloroethane
Concen: 1.240 ug/L
RT: 8.404 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

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

Tgt Ion: 62 Resp: 550
Ion Ratio Lower Upper
62 100
98 9.1 6.6 10.0

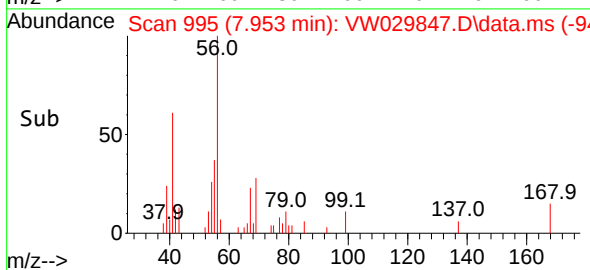
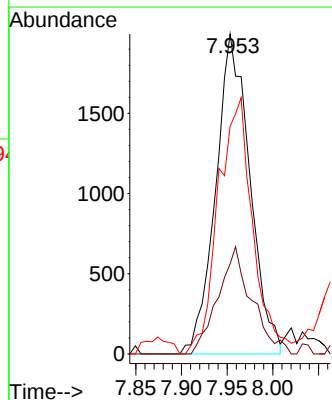
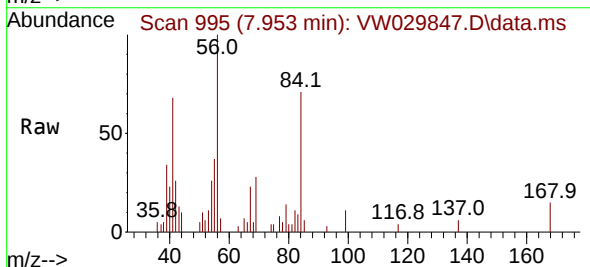
Manual Integrations
APPROVED

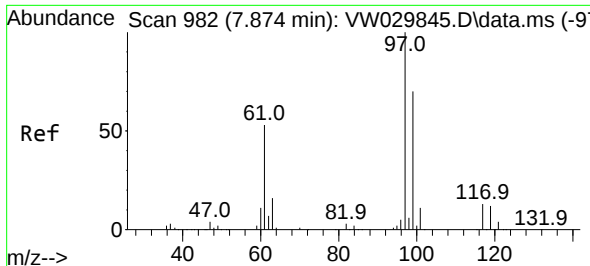
Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024



#29
Cyclohexane
Concen: 0.925 ug/L
RT: 7.953 min Scan# 995
Delta R.T. 0.000 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

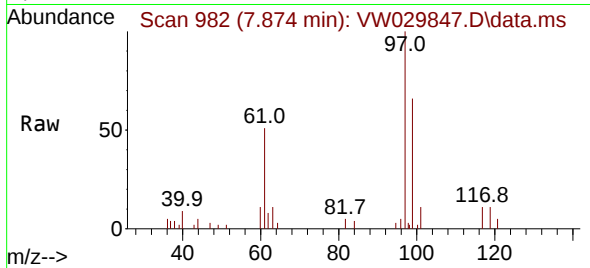
Tgt Ion: 56 Resp: 5178
Ion Ratio Lower Upper
56 100
69 32.2 23.0 34.4
84 81.0 63.5 95.3





#30
1,1,1-Trichloroethane
Concen: 1.357 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

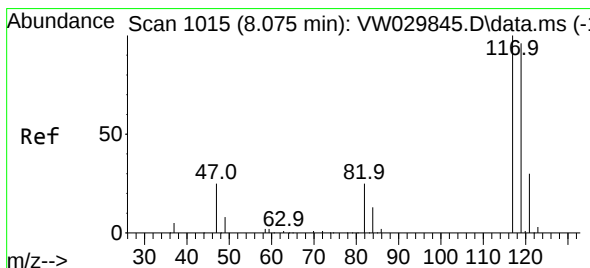
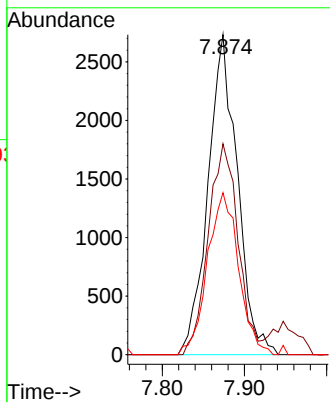
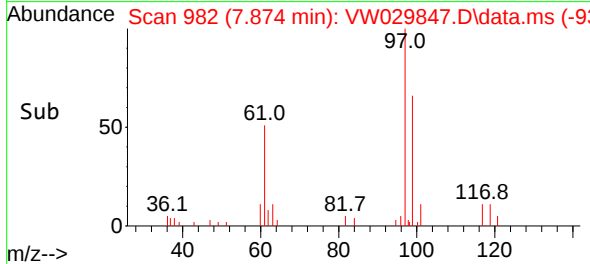
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-06



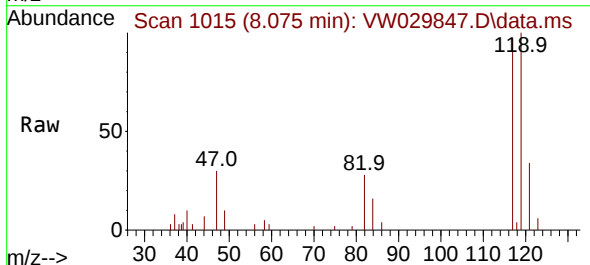
Tgt Ion: 97 Resp: 677
Ion Ratio Lower Upper
97 100
99 66.9 52.1 78.1
61 53.9 42.6 63.8

Manual Integrations
APPROVED

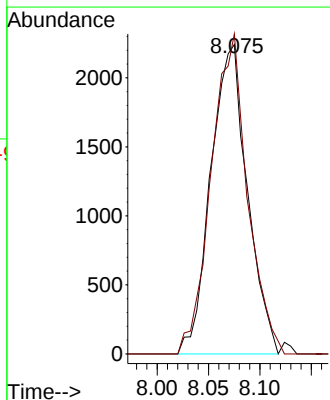
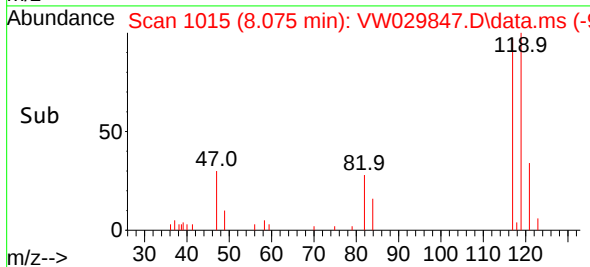
Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024

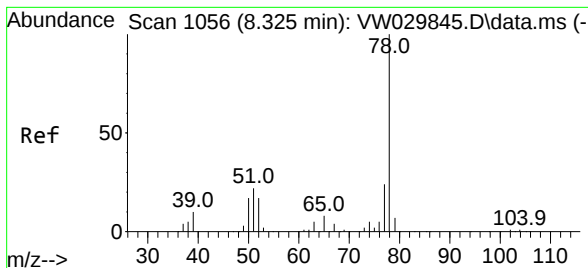


#31
Carbon tetrachloride
Concen: 1.235 ug/L
RT: 8.075 min Scan# 1015
Delta R.T. 0.000 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22



Tgt Ion:117 Resp: 5551
Ion Ratio Lower Upper
117 100
119 102.1 74.8 112.2





#33

Benzene

Concen: 1.296 ug/L

RT: 8.325 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VW029847.D

Acq: 07 Aug 2024 13:22

Instrument :

MSVOA_W

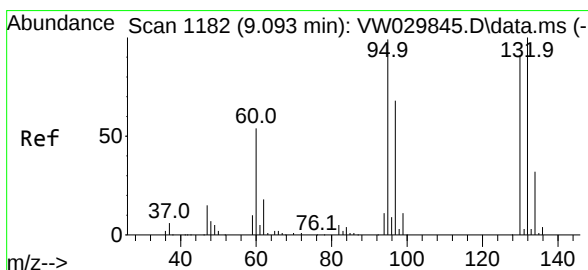
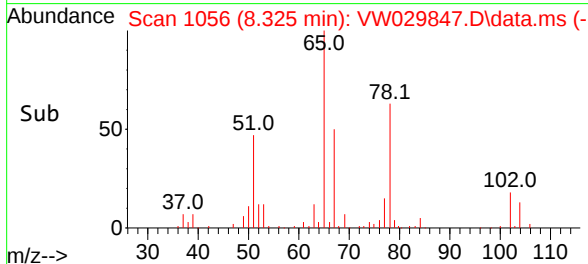
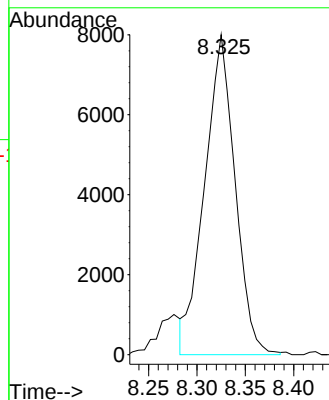
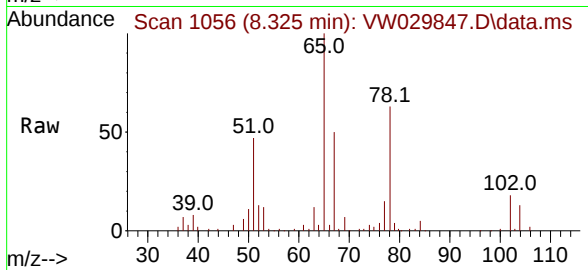
ClientSampleId :

MDL-SOIL-QT3-2024-06

Tgt Ion: 78 Resp: 1749

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024



#34

Trichloroethene

Concen: 1.250 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW029847.D

Acq: 07 Aug 2024 13:22

Tgt Ion: 95 Resp: 4425

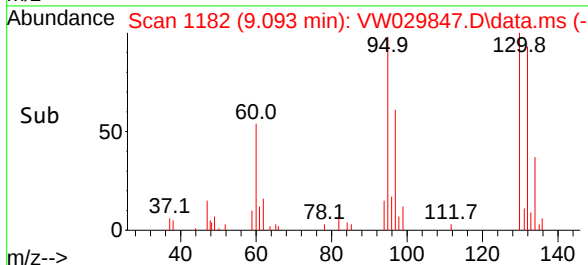
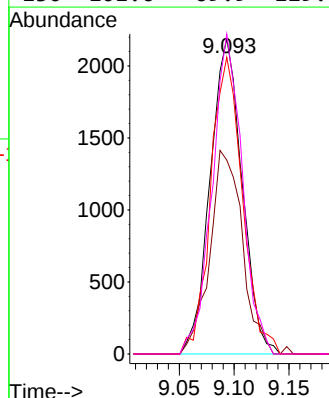
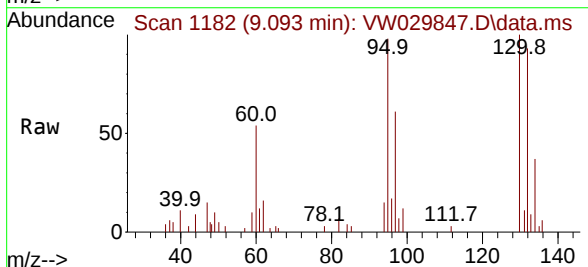
Ion Ratio Lower Upper

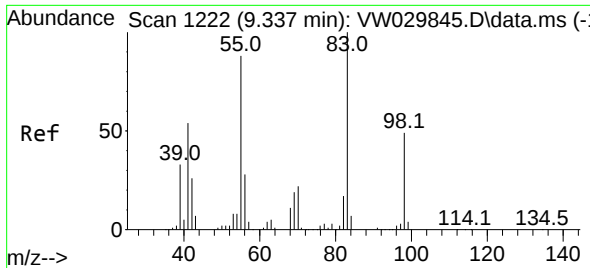
95 100

97 61.5 45.6 84.8

132 94.1 65.2 121.0

130 101.6 69.9 129.7





#35

Methylcyclohexane

Concen: 1.037 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW029847.D

Acq: 07 Aug 2024 13:22

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2024-06

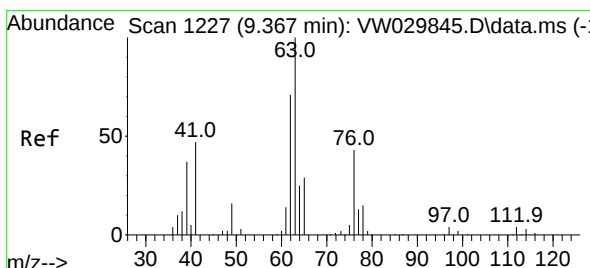
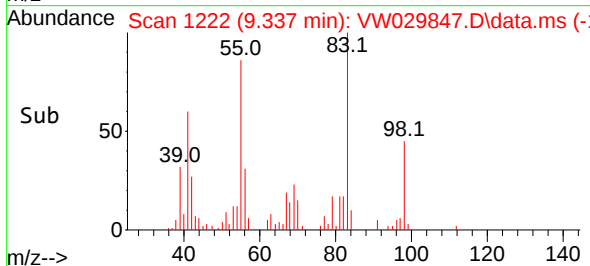
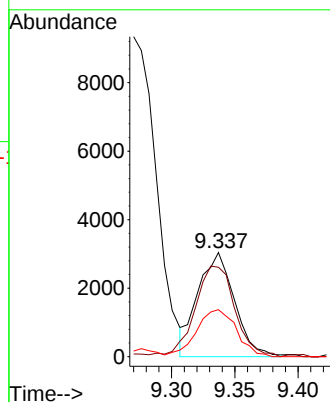
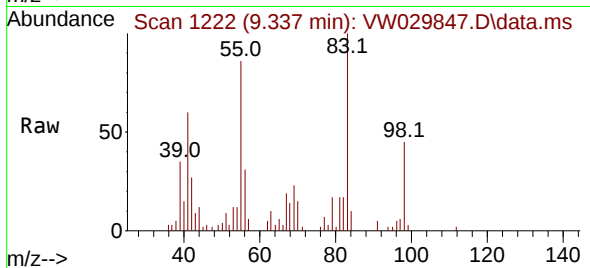
Tgt Ion: 83 Resp: 6110

Ion	Ratio	Lower	Upper
83	100		
55	94.8	67.4	101.2
98	49.4	36.7	55.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024



#37

1,2-Dichloropropane

Concen: 1.347 ug/L

RT: 9.368 min Scan# 1227

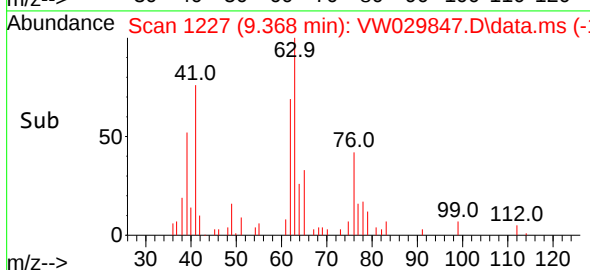
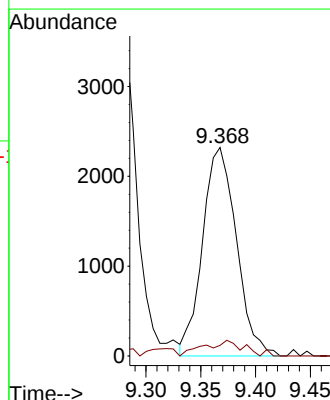
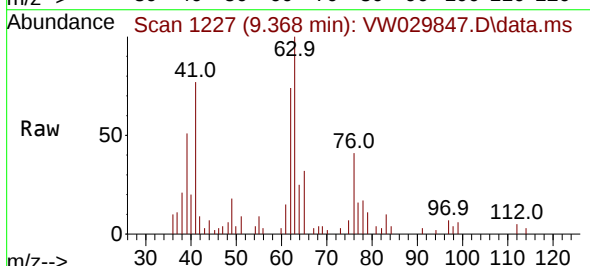
Delta R.T. 0.000 min

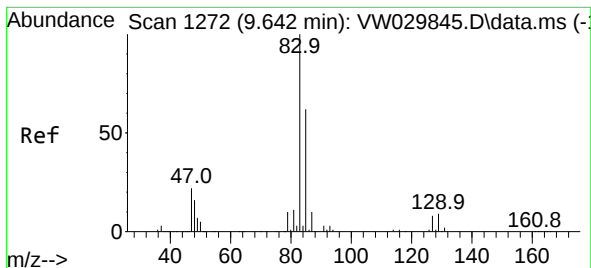
Lab File: VW029847.D

Acq: 07 Aug 2024 13:22

Tgt Ion: 63 Resp: 4985

Ion	Ratio	Lower	Upper
63	100		
112	3.6	3.3	4.9





#38

Bromodichloromethane

Concen: 1.242 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW029847.D

Acq: 07 Aug 2024 13:22

Instrument :

MSVOA_W

ClientSampleId :

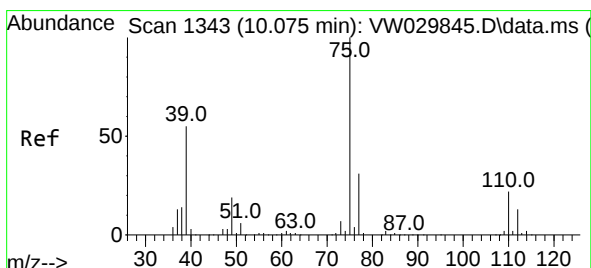
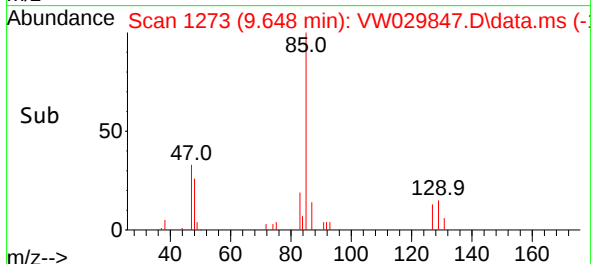
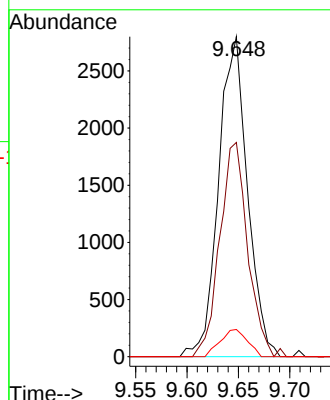
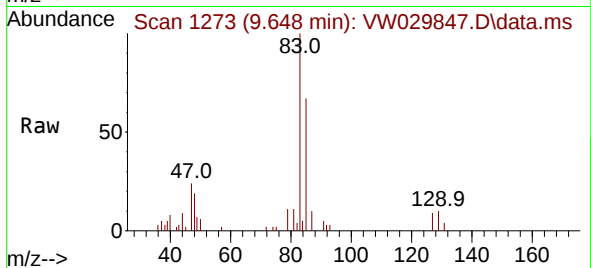
MDL-SOIL-QT3-2024-06

Tgt Ion:	83	Resp:	547
Ion	Ratio	Lower	Upper
83	100		
85	67.0	46.6	86.6
127	8.5	5.9	8.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024



#39

cis-1,3-Dichloropropene

Concen: 1.040 ug/L

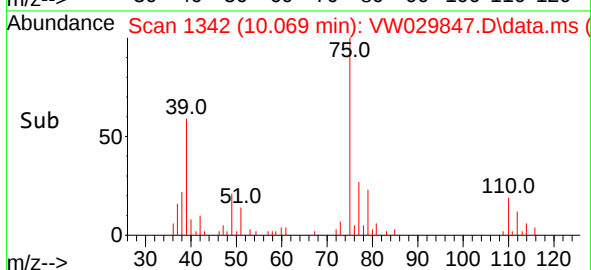
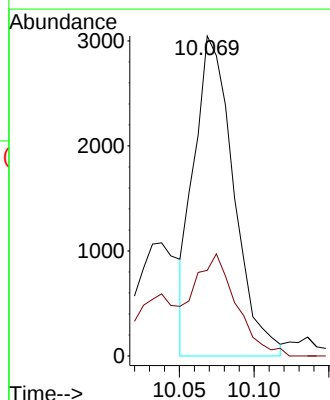
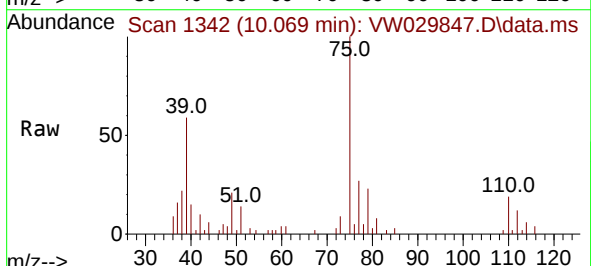
RT: 10.069 min Scan# 1342

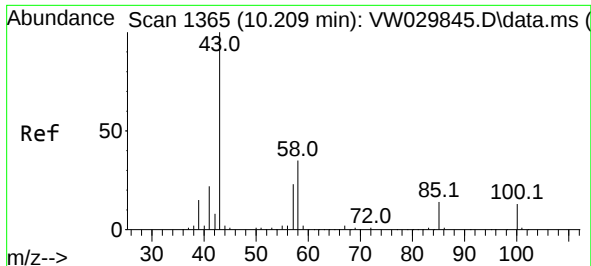
Delta R.T. -0.006 min

Lab File: VW029847.D

Acq: 07 Aug 2024 13:22

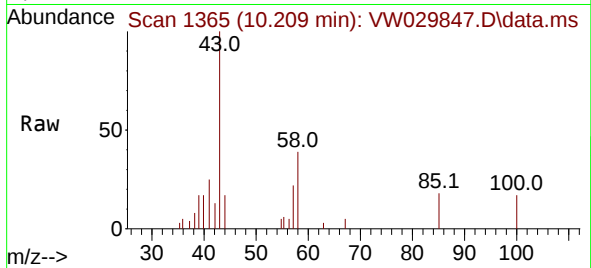
Tgt Ion:	75	Resp:	5601
Ion	Ratio	Lower	Upper
75	100		
77	26.8	20.8	38.6





#40
4-Methyl-2-pentanone
Concen: 1.519 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. 0.000 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

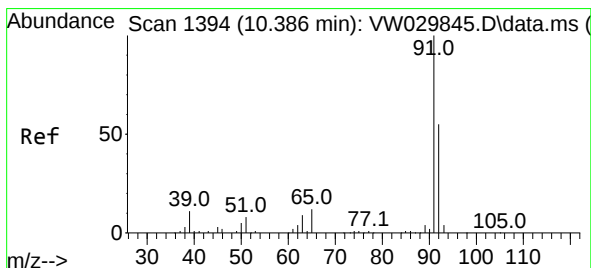
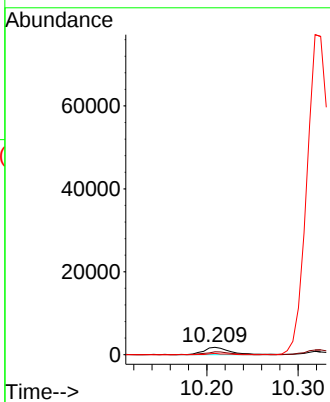
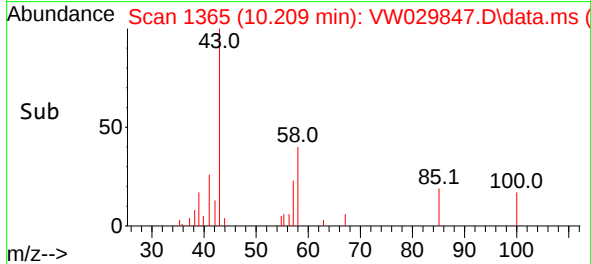
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT3-2024-06



Tgt Ion: 43 Resp: 3569
Ion Ratio Lower Upper
43 100
58 36.9 28.7 43.1
100 11.6 10.0 15.0

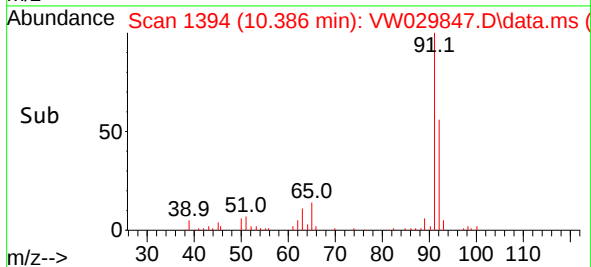
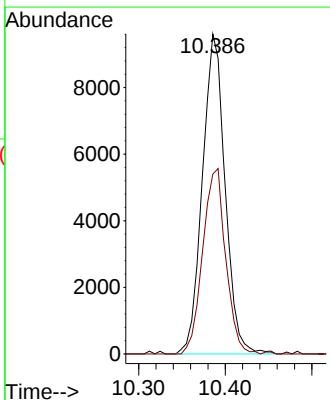
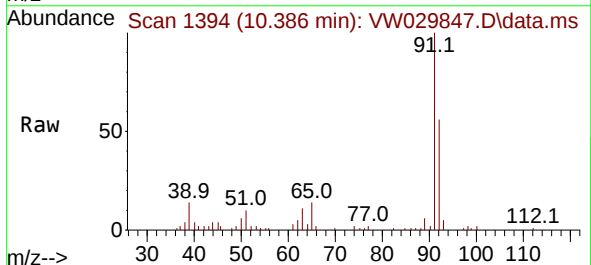
Manual Integrations
APPROVED

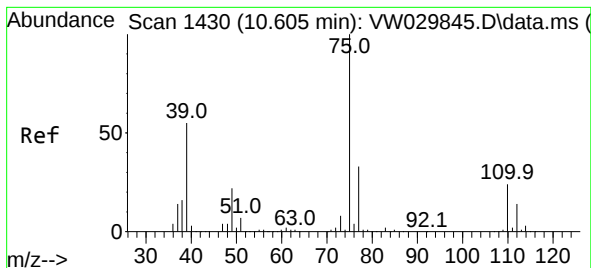
Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024



#42
Toluene
Concen: 1.269 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

Tgt Ion: 91 Resp: 17488
Ion Ratio Lower Upper
91 100
92 56.2 39.5 73.4





#44

trans-1,3-Dichloropropene

Concen: 0.980 ug/L m

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW029847.D

Acq: 07 Aug 2024 13:22

Instrument :

MSVOA_W

ClientSampleId :

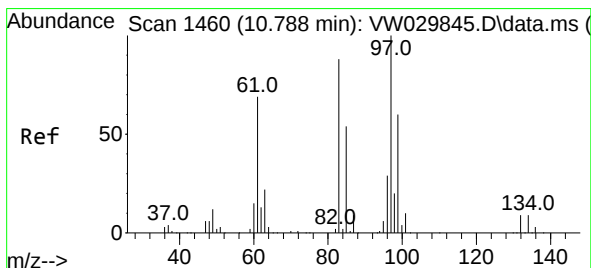
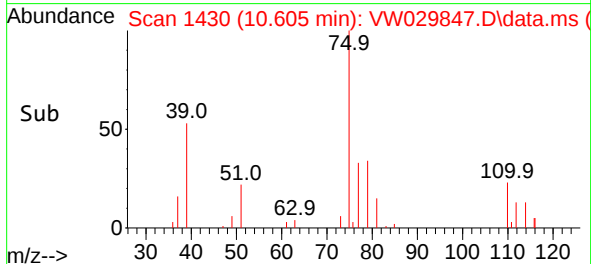
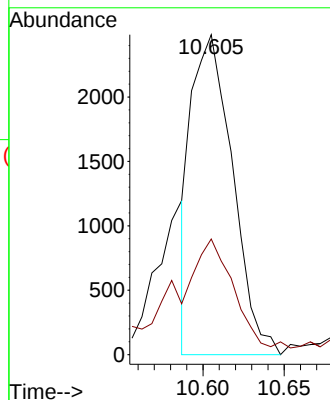
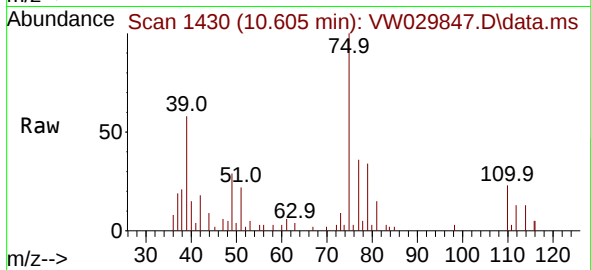
MDL-SOIL-QT3-2024-06

Tgt Ion: 75 Resp: 4385
 Ion Ratio Lower Upper
 75 100
 77 36.2 22.0 41.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/13/2024
 Supervised By :Semsettin Yesilyurt 08/13/2024



#45

1,1,2-Trichloroethane

Concen: 1.147 ug/L

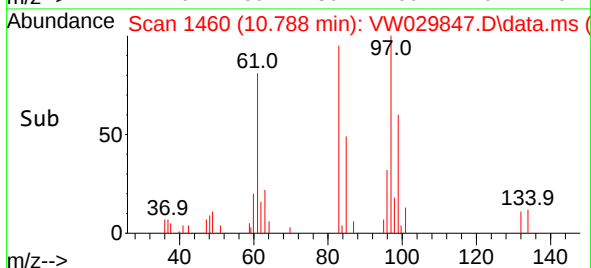
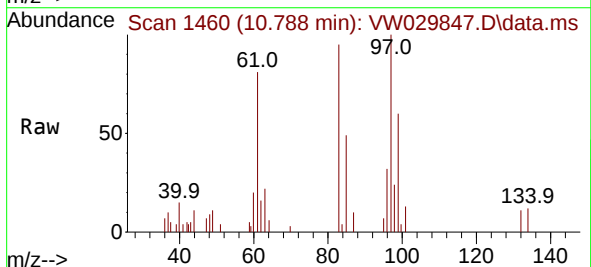
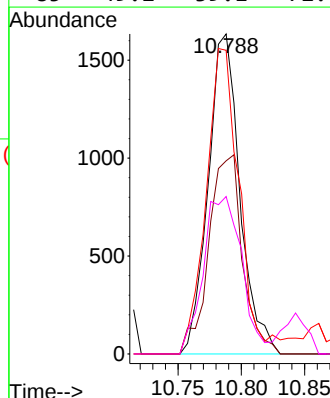
RT: 10.788 min Scan# 1460

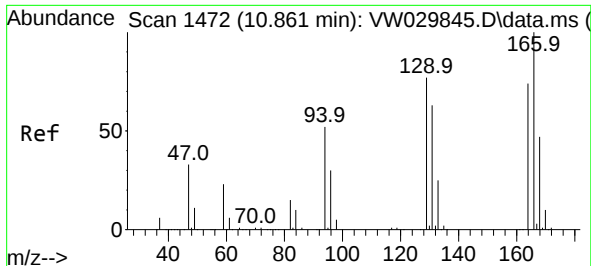
Delta R.T. 0.000 min

Lab File: VW029847.D

Acq: 07 Aug 2024 13:22

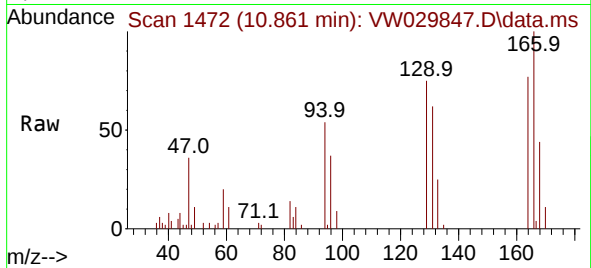
Tgt Ion: 97 Resp: 2850
 Ion Ratio Lower Upper
 97 100
 99 64.0 40.1 74.5
 83 94.9 58.5 108.7
 85 49.2 39.1 72.7





#46
Tetrachloroethene
Concen: 1.251 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

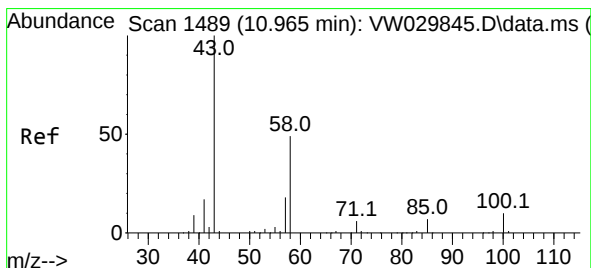
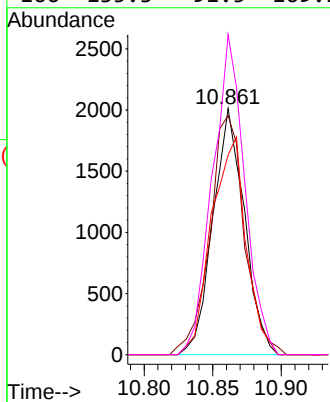
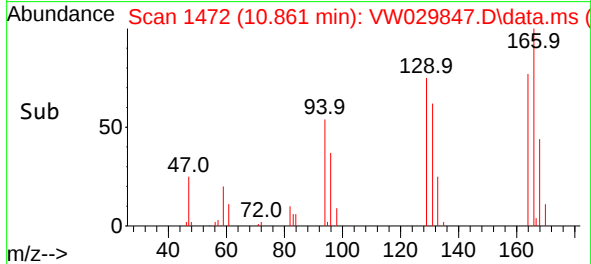
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion:164 Resp: 3219
Ion Ratio Lower Upper
164 100
129 97.1 77.8 144.6
131 81.2 70.9 131.7
166 135.3 91.5 169.9

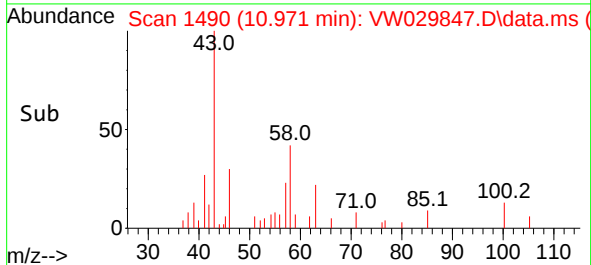
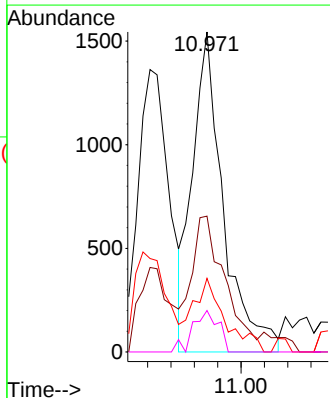
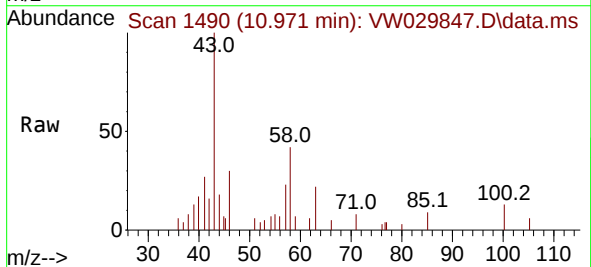
Manual Integrations
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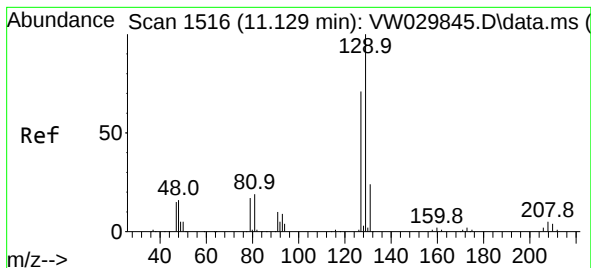
Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024



#48
2-Hexanone
Concen: 1.612 ug/L m
RT: 10.971 min Scan# 1490
Delta R.T. 0.006 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

Tgt Ion: 43 Resp: 2838
Ion Ratio Lower Upper
43 100
58 40.6 41.0 61.4#
57 22.2 14.1 21.1#
100 9.9 8.0 12.0





#49

Dibromochloromethane

Concen: 1.087 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VW029847.D

Acq: 07 Aug 2024 13:22

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2024-06

Tgt Ion:129 Resp: 280

Ion Ratio Lower Upper

129 100

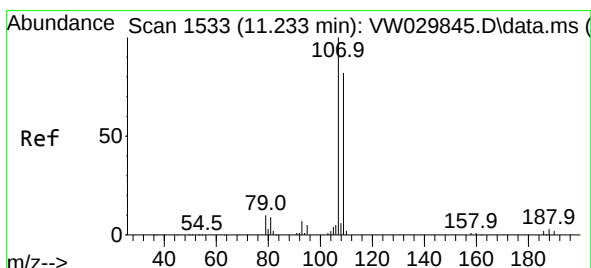
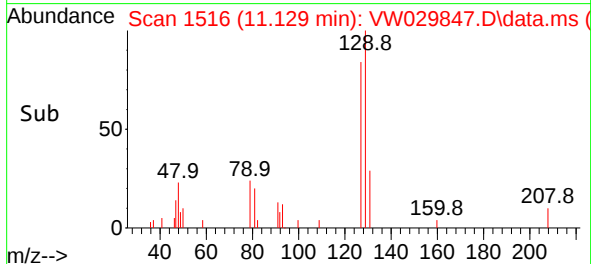
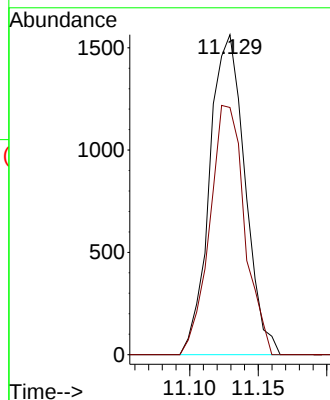
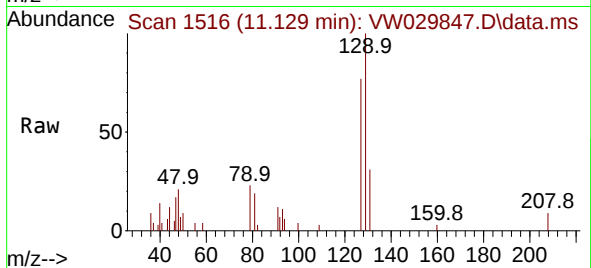
127 77.2 52.4 97.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/13/2024

Supervised By :Semsettin Yesilyurt 08/13/2024



#50

1,2-Dibromoethane

Concen: 1.036 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW029847.D

Acq: 07 Aug 2024 13:22

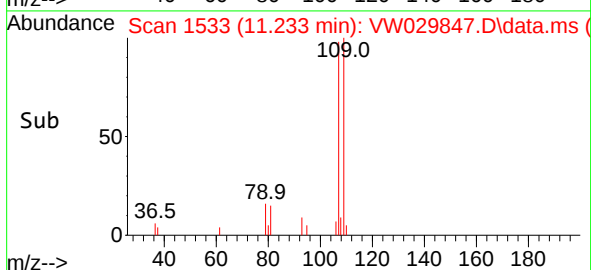
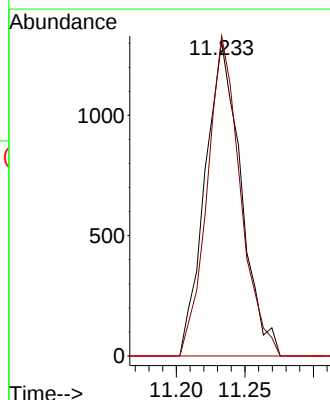
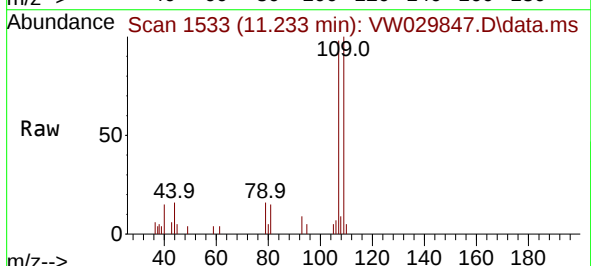
Tgt Ion:107 Resp: 2383

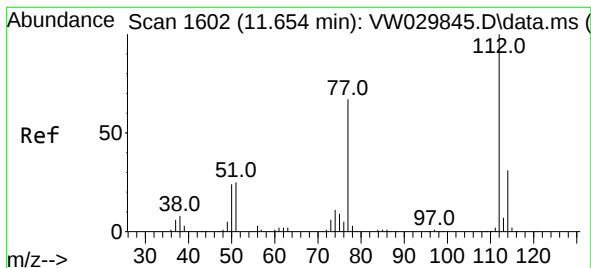
Ion Ratio Lower Upper

107 100

109 101.8 64.8 120.3

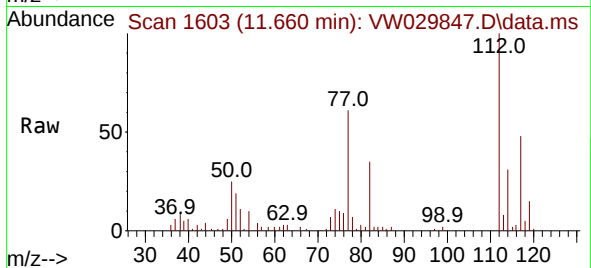
188 0.0 2.7 4.1#





#51
Chlorobenzene
Concen: 1.280 ug/L
RT: 11.660 min Scan# 1160
Delta R.T. 0.006 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

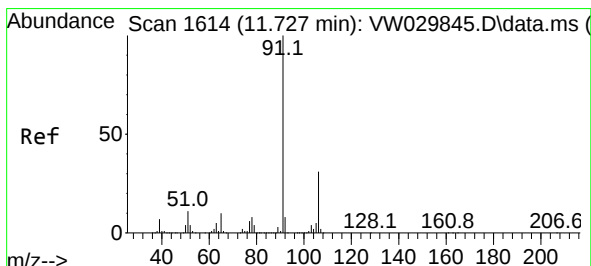
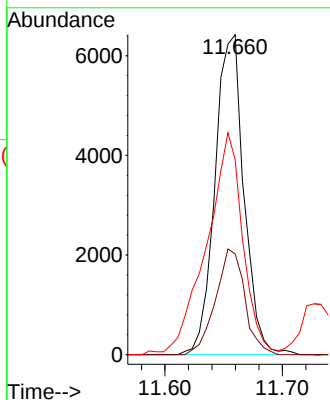
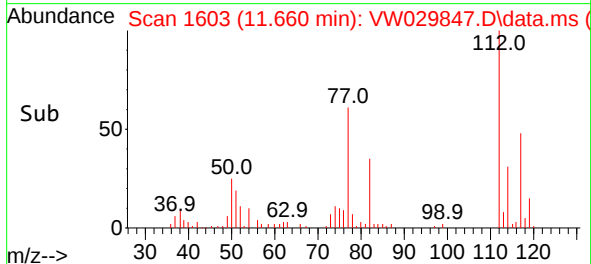
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion: 112 Resp: 1097
Ion Ratio Lower Upper
112 100
114 31.5 22.0 40.8
77 60.9 53.8 80.8

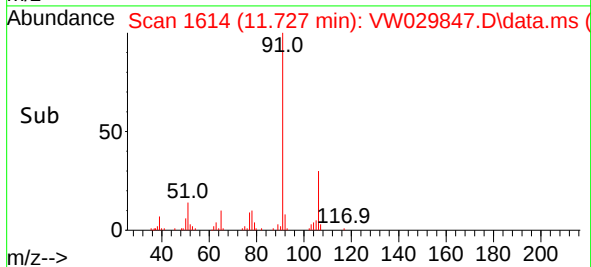
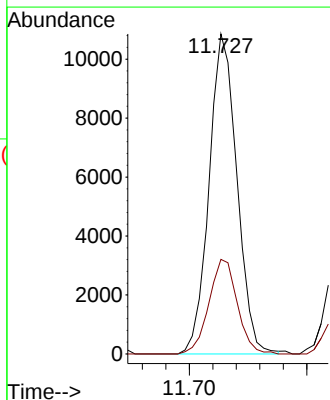
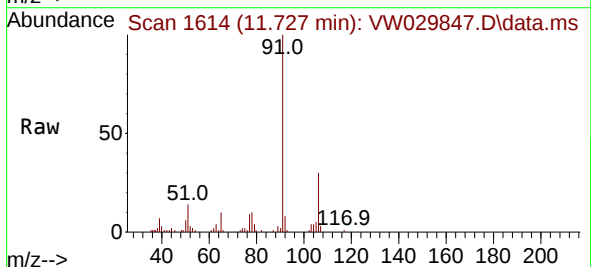
Manual Integrations
APPROVED

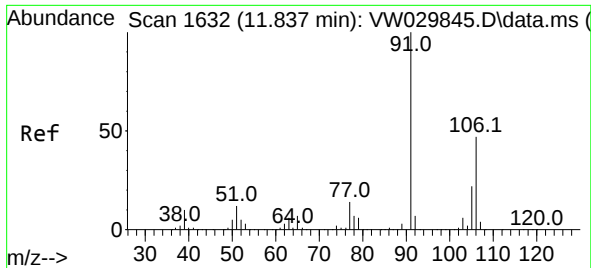
Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024



#52
Ethylbenzene
Concen: 1.150 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

Tgt Ion: 91 Resp: 17871
Ion Ratio Lower Upper
91 100
106 29.6 20.4 38.0





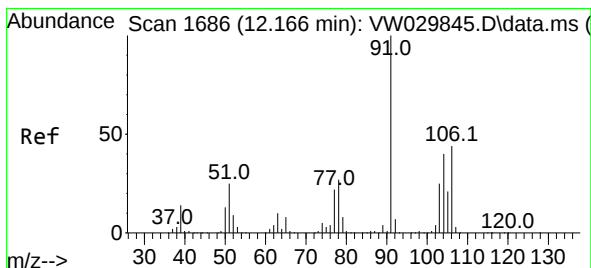
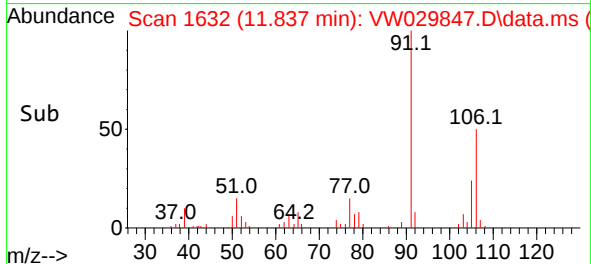
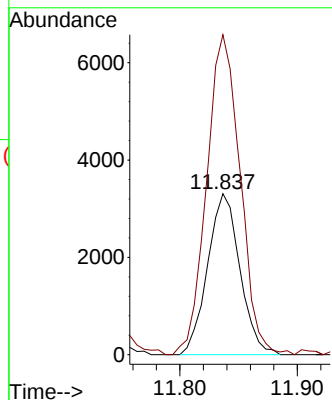
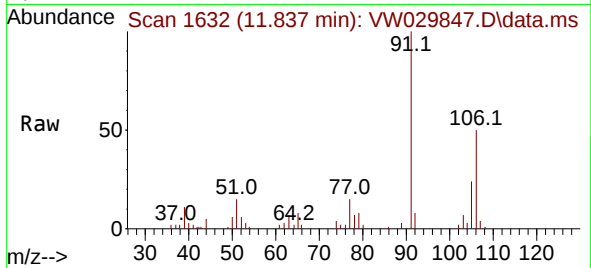
#53
m,p-Xylene
Concen: 1.105 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

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

Tgt Ion:106 Resp: 6310
Ion Ratio Lower Upper
106 100
91 198.8 151.4 281.2

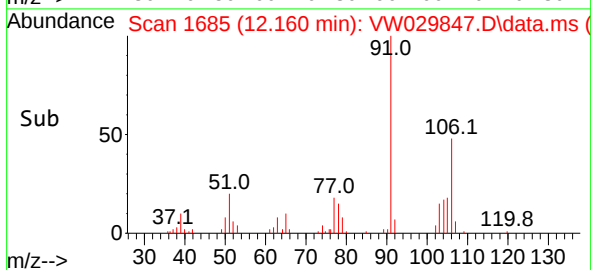
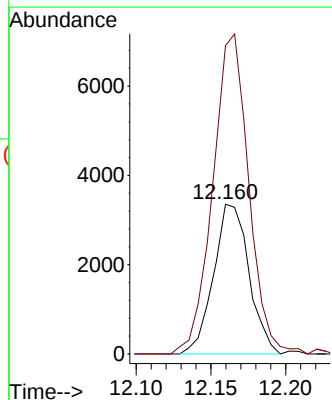
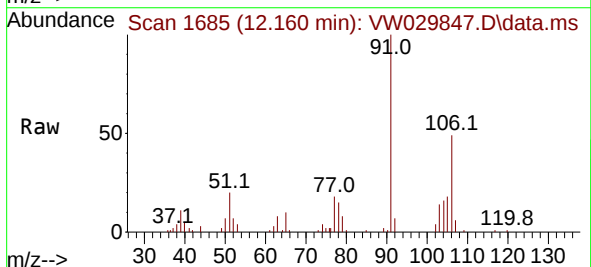
Manual Integrations
APPROVED

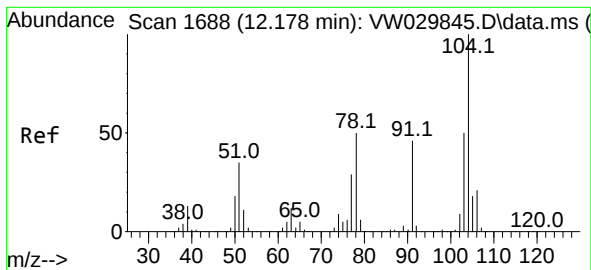
Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024



#54
o-Xylene
Concen: 1.047 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

Tgt Ion:106 Resp: 5510
Ion Ratio Lower Upper
106 100
91 205.8 155.8 289.4





#55

Styrene

Concen: 0.927 ug/L

RT: 12.178 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029847.D

Acq: 07 Aug 2024 13:22

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2024-06

Tgt Ion:104 Resp: 845

Ion Ratio Lower Upper

104 100

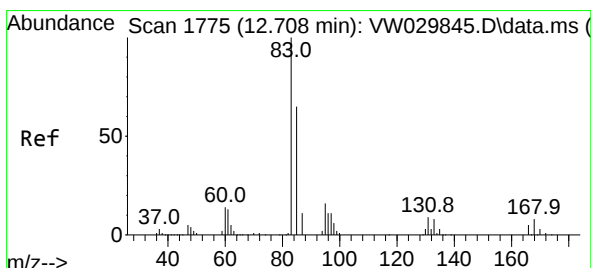
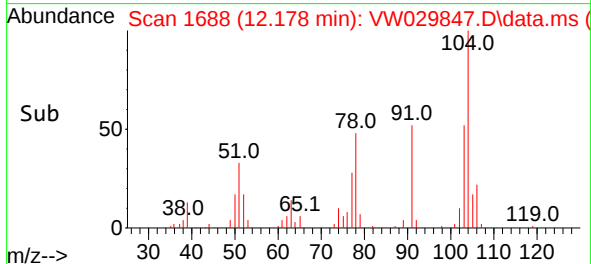
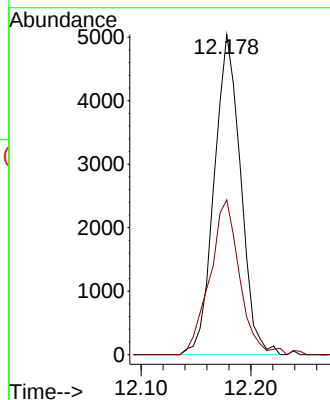
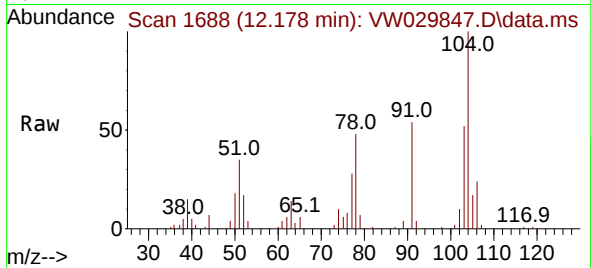
78 48.4 33.3 61.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/13/2024

Supervised By :Semsettin Yesilyurt 08/13/2024



#57

1,1,2,2-Tetrachloroethane

Concen: 0.995 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VW029847.D

Acq: 07 Aug 2024 13:22

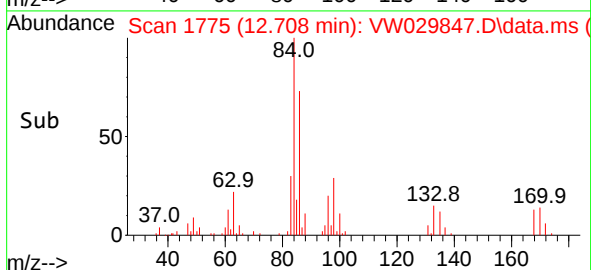
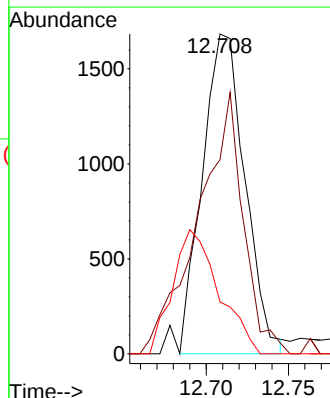
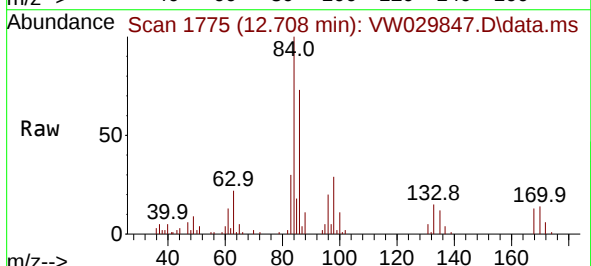
Tgt Ion: 83 Resp: 3035

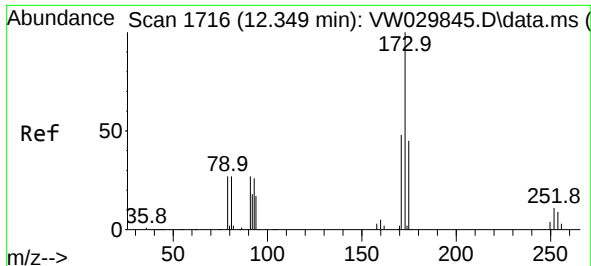
Ion Ratio Lower Upper

83 100

85 60.7 44.2 82.0

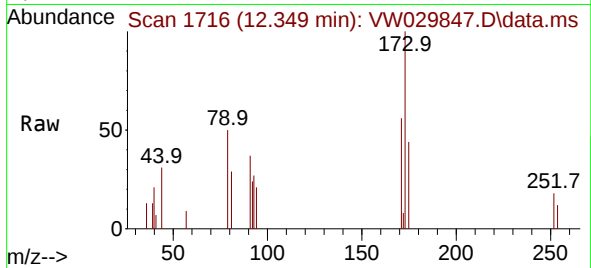
131 16.2 6.2 9.2#





#59
Bromoform
Concen: 1.068 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

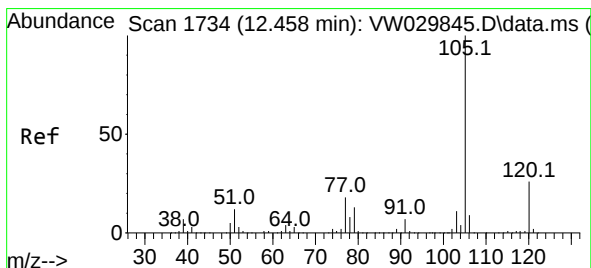
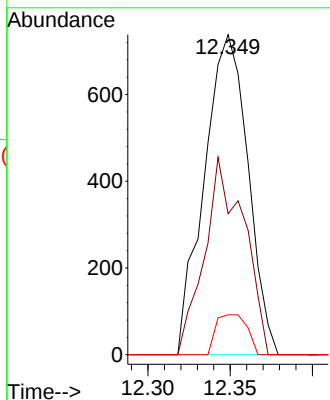
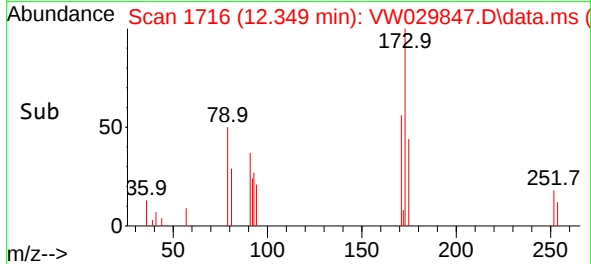
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-06



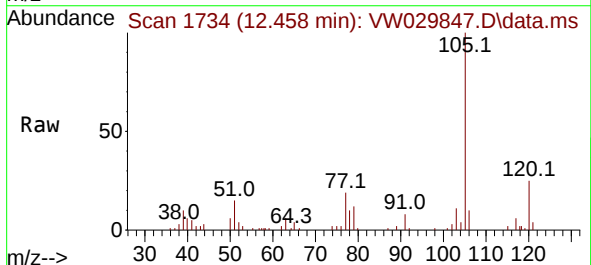
Tgt Ion:173 Resp: 1368
Ion Ratio Lower Upper
173 100
175 34.8 38.1 57.1
254 8.8 7.8 11.6

Manual Integrations
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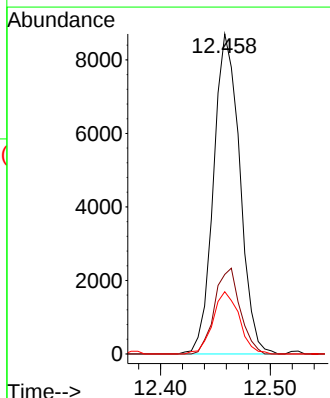
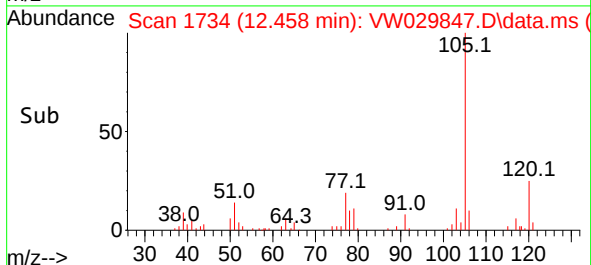
Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024

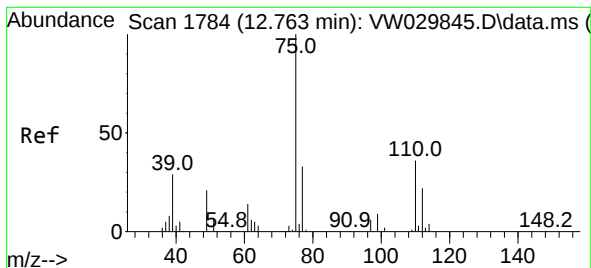


#60
Isopropylbenzene
Concen: 1.100 ug/L
RT: 12.458 min Scan# 1734
Delta R.T. 0.000 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22



Tgt Ion:105 Resp: 14482
Ion Ratio Lower Upper
105 100
120 26.0 20.3 30.5
77 19.6 14.0 21.0





#61

1,2,3-Trichloropropane

Concen: 1.035 ug/L

RT: 12.769 min Scan# 1784

Delta R.T. 0.006 min

Lab File: VW029847.D

Acq: 07 Aug 2024 13:22

Instrument :

MSVOA_W

ClientSampleId :

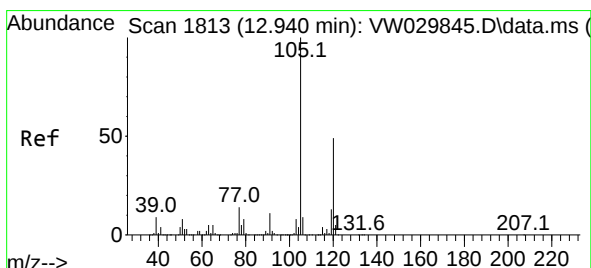
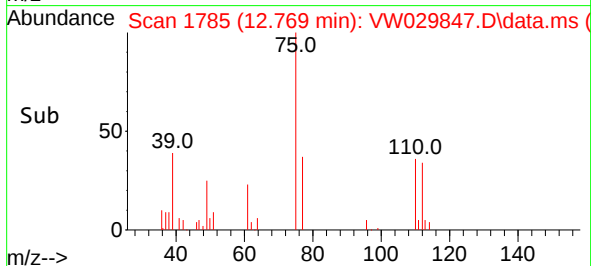
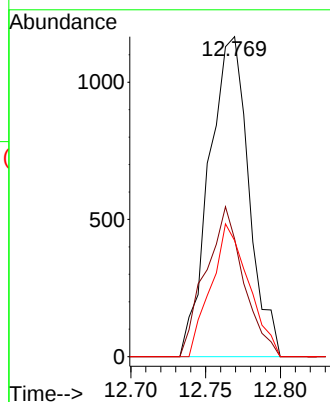
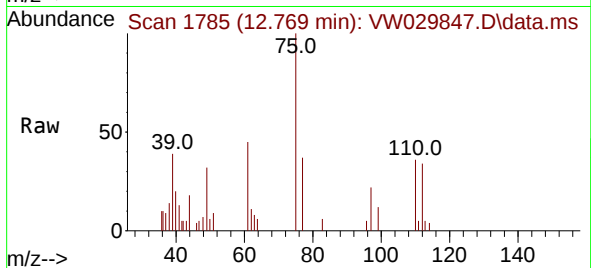
MDL-SOIL-QT3-2024-06

Tgt Ion: 75	Resp: 214
Ion Ratio	Lower Upper
75	100
77	45.1 25.4 38.0
110	39.4 28.6 43.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024



#62

1,3,5-Trimethylbenzene

Concen: 1.098 ug/L

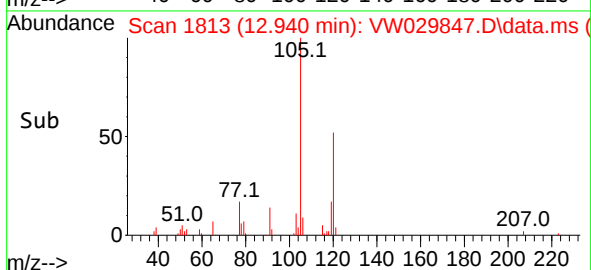
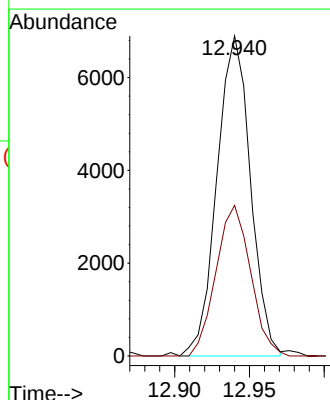
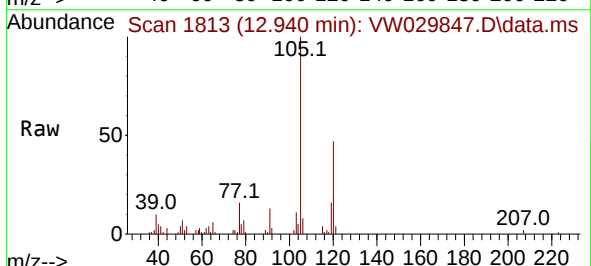
RT: 12.940 min Scan# 1813

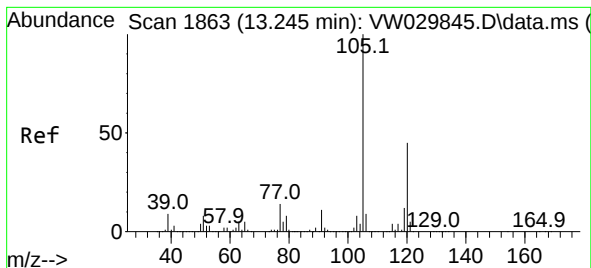
Delta R.T. 0.000 min

Lab File: VW029847.D

Acq: 07 Aug 2024 13:22

Tgt Ion:105	Resp: 10753
Ion Ratio	Lower Upper
105	100
120	48.5 38.2 57.2





#63

1,2,4-Trimethylbenzene

Concen: 1.008 ug/L

RT: 13.245 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW029847.D

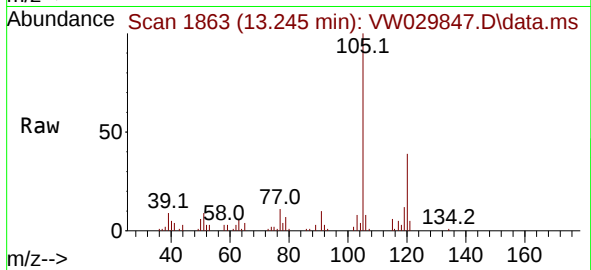
Acq: 07 Aug 2024 13:22

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2024-06



Tgt Ion:105 Resp: 10554

Ion Ratio Lower Upper

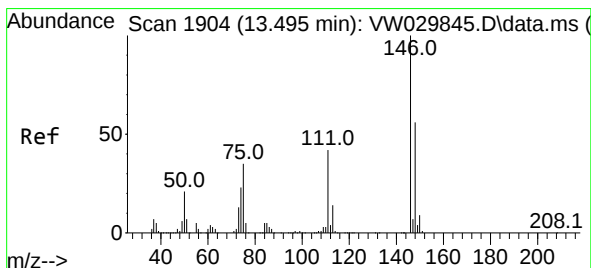
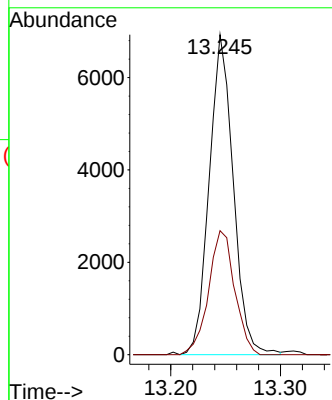
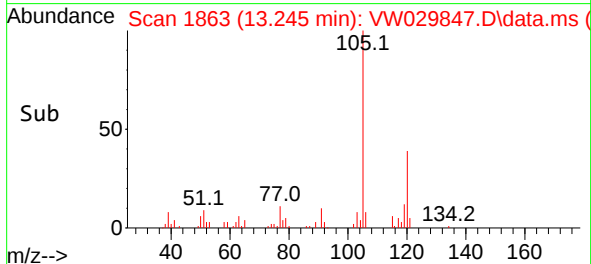
105 100

120 42.0 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024



#64

1,3-Dichlorobenzene

Concen: 1.334 ug/L

RT: 13.501 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VW029847.D

Acq: 07 Aug 2024 13:22

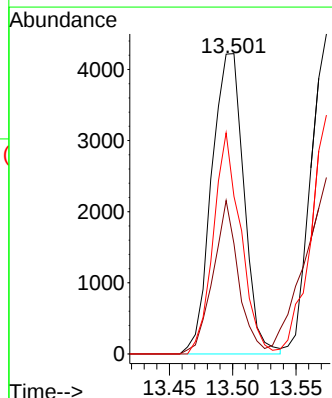
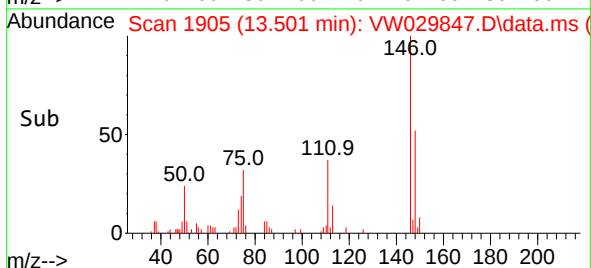
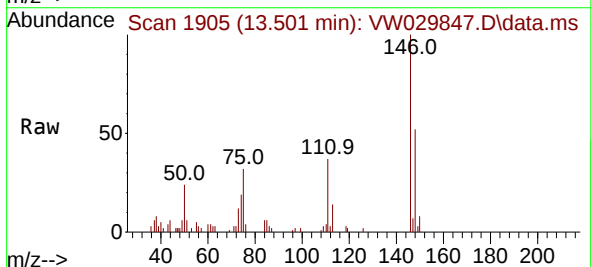
Tgt Ion:146 Resp: 7494

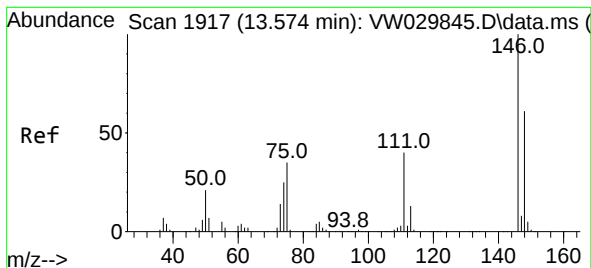
Ion Ratio Lower Upper

146 100

111 36.7 28.7 53.3

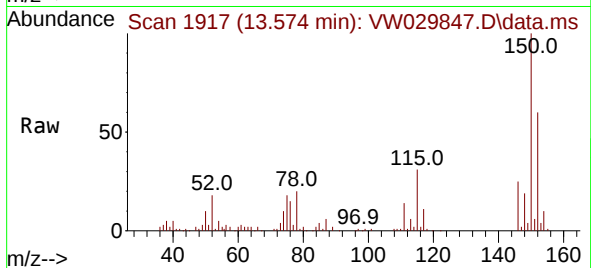
148 52.5 43.4 80.6





#65
1,4-Dichlorobenzene
Concen: 1.363 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

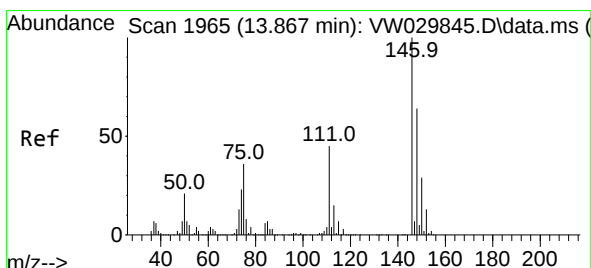
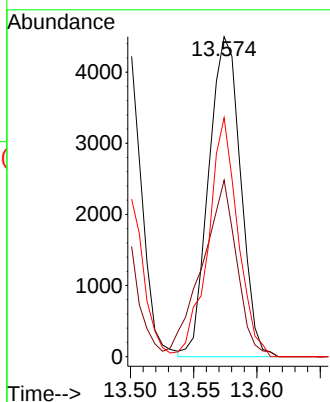
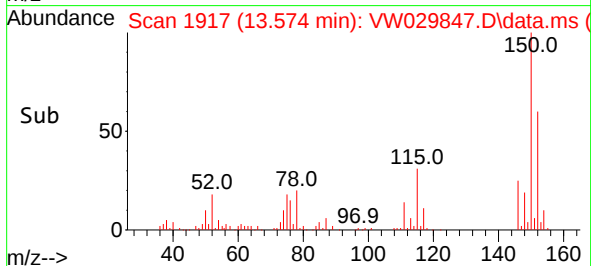
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-06



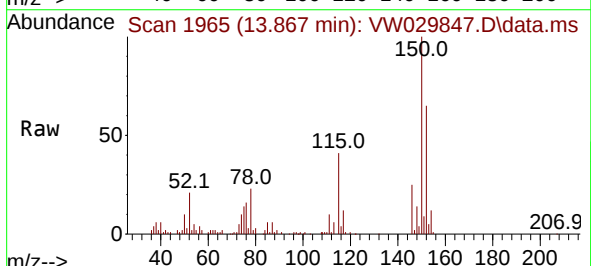
Tgt Ion:146 Resp: 786
Ion Ratio Lower Upper
146 100
111 55.1 30.1 55.9
148 74.6 45.4 84.4

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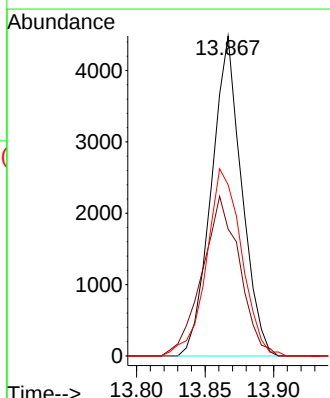
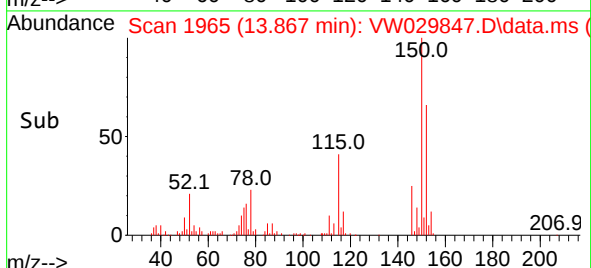
Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024

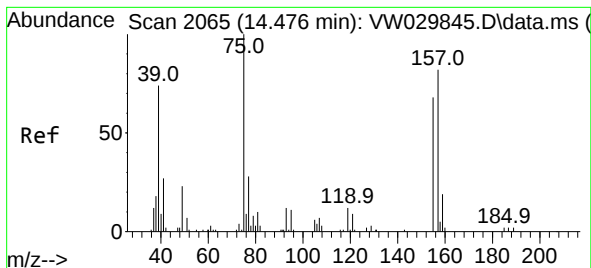


#67
1,2-Dichlorobenzene
Concen: 1.346 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22



Tgt Ion:146 Resp: 6886
Ion Ratio Lower Upper
146 100
111 39.7 35.8 53.8
148 53.5 52.6 78.8





#68

1,2-Dibromo-3-chloropropane

Concen: 0.953 ug/L m

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW029847.D

Acq: 07 Aug 2024 13:22

Instrument :

MSVOA_W

ClientSampleId :

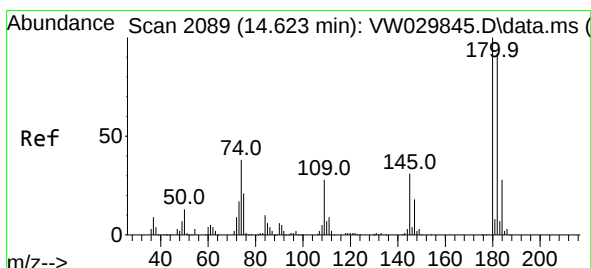
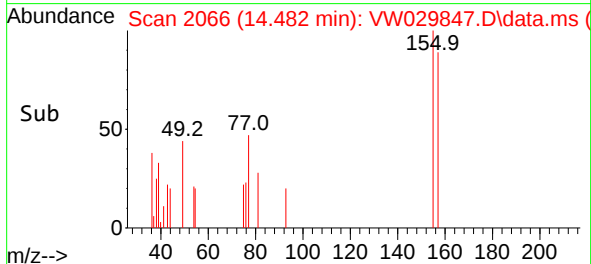
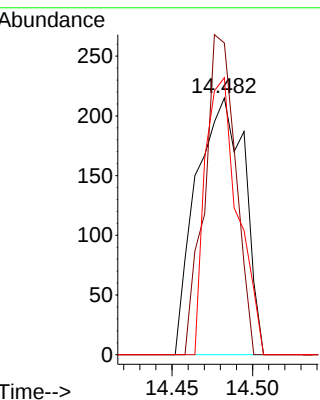
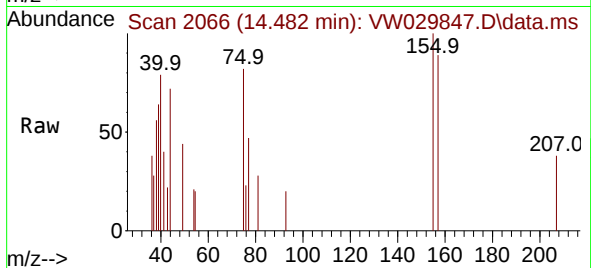
MDL-SOIL-QT3-2024-06

Tgt Ion: 75	Resp: 448
Ion Ratio	Lower Upper
75	100
155	121.4 47.8 71.6
157	107.9 63.7 95.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024



#69

1,3,5-Trichlorobenzene

Concen: 1.366 ug/L

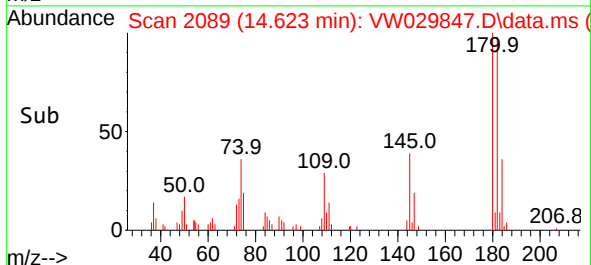
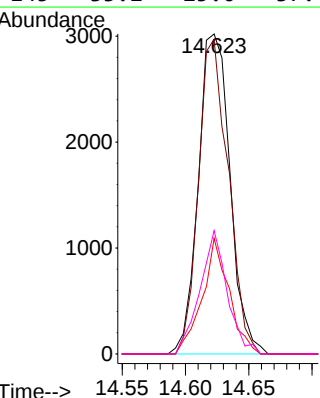
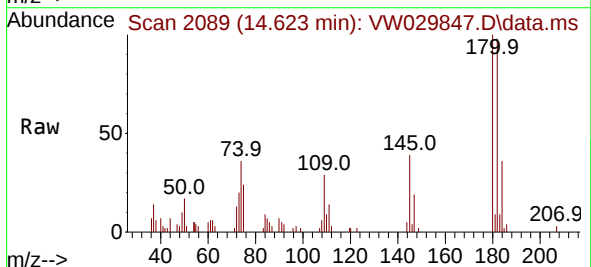
RT: 14.623 min Scan# 2089

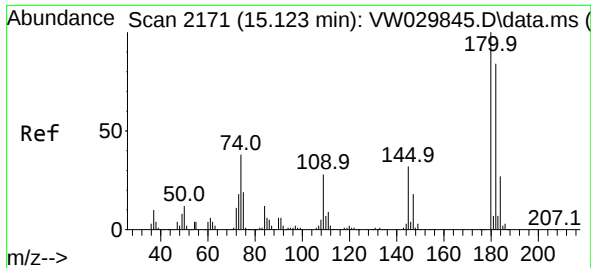
Delta R.T. 0.000 min

Lab File: VW029847.D

Acq: 07 Aug 2024 13:22

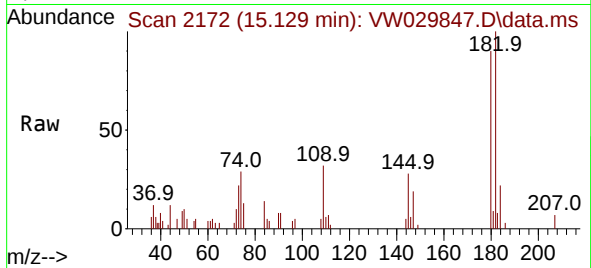
Tgt Ion:180	Resp: 5251
Ion Ratio	Lower Upper
180	100
182	92.4 72.7 109.1
184	30.6 23.3 34.9
145	33.2 25.0 37.4





#70
1,2,4-trichlorobenzene
Concen: 1.158 ug/L
RT: 15.129 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

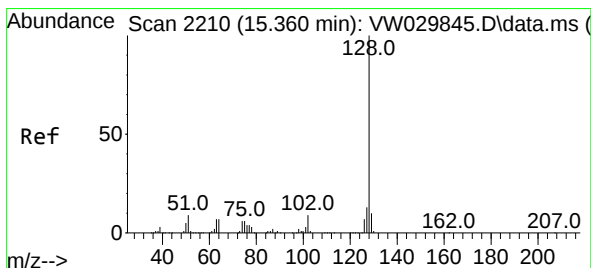
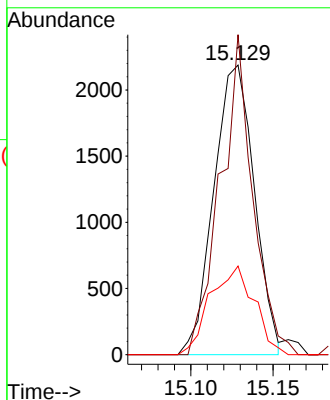
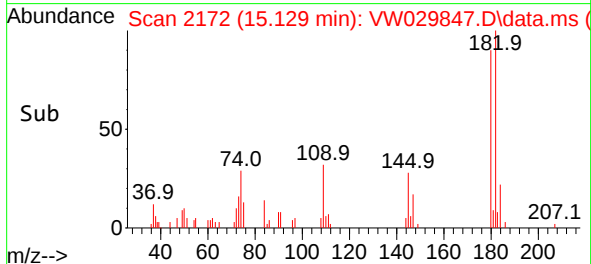
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion:180 Resp: 3752
Ion Ratio Lower Upper
180 100
182 88.3 80.2 120.4
145 33.0 26.3 39.5

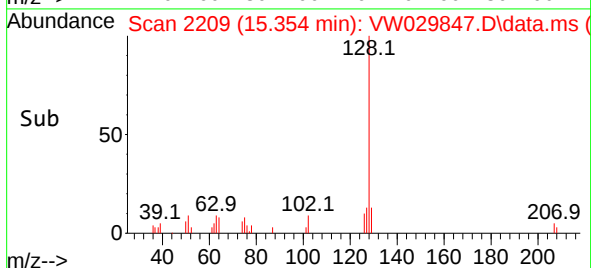
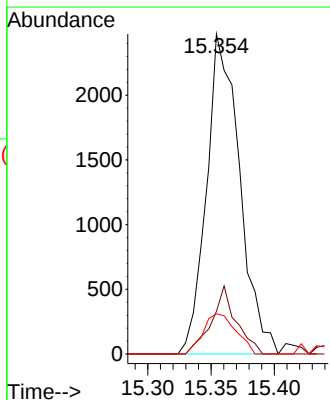
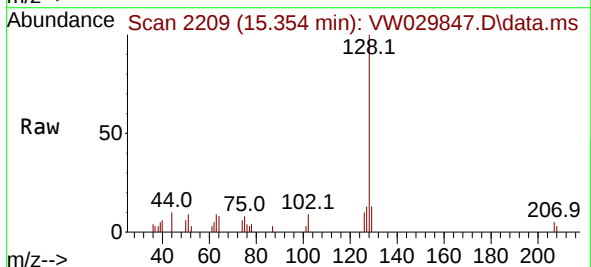
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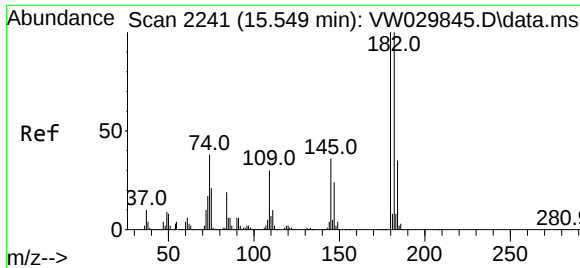
Reviewed By :Mahesh Dadoda 08/13/2024
Supervised By :Semsettin Yesilyurt 08/13/2024



#71
Naphthalene
Concen: 0.729 ug/L
RT: 15.354 min Scan# 2209
Delta R.T. -0.006 min
Lab File: VW029847.D
Acq: 07 Aug 2024 13:22

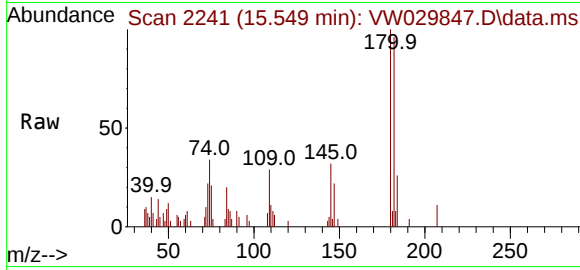
Tgt Ion:128 Resp: 4507
Ion Ratio Lower Upper
128 100
127 15.9 10.7 16.1
129 12.4 8.9 13.3





#72
 1,2,3-Trichlorobenzene
 Concen: 1.138 ug/L
 RT: 15.549 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW029847.D
 Acq: 07 Aug 2024 13:22

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



Tgt Ion:	180	Resp:	333
Ion Ratio	Lower	Upper	
180	100		
182	86.6	74.0	111.0
145	34.8	27.5	41.3

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/13/2024
 Supervised By :Semsettin Yesilyurt 08/13/2024

