

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022824\
 Data File : VW028075.D
 Acq On : 28 Feb 2024 13:03
 Operator : SY/MD
 Sample : P1601-04
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2024-02

Quant Time: Feb 28 23:36:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020524SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Feb 28 23:27:15 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/29/2024
 Supervised By :Mahesh Dadoda 02/29/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	235797	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	216429	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	110721	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	42125	15.253	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.000%
7) Chloroethane-d5	2.899	69	42498	20.288	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.160%
11) 1,1-Dichloroethene-d2	4.021	65	20783	17.587	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.360%
21) 2-Butanone-d5	7.075	46	29423	68.567	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	137.140%#
24) Chloroform-d	7.648	84	124320	22.548	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.200%
26) 1,2-Dichloroethane-d4	8.301	65	63993	25.699	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.800%
32) Benzene-d6	8.270	84	239924	20.720	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.880%
36) 1,2-Dichloropropane-d6	9.270	67	69869	22.254	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.000%
41) Toluene-d8	10.325	98	232493	20.984	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.920%
43) trans-1,3-Dichloroprop...	10.575	79	28819	22.320	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.280%
47) 2-Hexanone-d5	10.922	63	27723	64.917	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.840%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	68737	29.292	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.160%
66) 1,2-Dichlorobenzene-d4	13.848	152	91370	24.279	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	2049m	1.009	ug/L	
3) Chloromethane	2.222	50	2460	1.103	ug/L	89
5) Vinyl chloride	2.375	62	3323	1.099	ug/L	86
6) Bromomethane	2.789	94	2634	1.233	ug/L	92
8) Chloroethane	2.936	64	2065	1.209	ug/L	94
9) Trichlorofluoromethane	3.265	101	1891	0.688	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	3742m	1.352	ug/L	
12) 1,1-Dichloroethene	4.045	96	3506	1.361	ug/L #	1
14) Carbon disulfide	4.399	76	8206	1.076	ug/L	100
15) Methyl Acetate	4.685	43	1098m	1.581	ug/L	
16) Methylene chloride	4.929	84	6388	2.167	ug/L	93
17) trans-1,2-Dichloroethene	5.429	96	3046m	1.101	ug/L	
18) Methyl tert-butyl Ether	5.441	73	4122m	1.256	ug/L	
19) 1,1-Dichloroethane	6.216	63	5282	1.175	ug/L	95
20) cis-1,2-Dichloroethene	7.173	96	3439	1.177	ug/L	97
22) 2-Butanone	7.191	43	1752m	3.637	ug/L	
23) Bromochloromethane	7.520	128	1667	1.284	ug/L	91
25) Chloroform	7.679	83	6594	1.364	ug/L	94
27) 1,2-Dichloroethane	8.398	62	3893	1.447	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.959	56	3866	1.002	ug/L	97
30) 1,1,1-Trichloroethane	7.874	97	4869m	1.165	ug/L	
31) Carbon tetrachloride	8.075	117	4324m	1.119	ug/L	
33) Benzene	8.319	78	13156	1.217	ug/L	100
34) Trichloroethene	9.093	95	3487	1.124	ug/L	96
35) Methylcyclohexane	9.331	83	5325	1.043	ug/L	100
37) 1,2-Dichloropropane	9.367	63	3048	1.200	ug/L #	88
38) Bromodichloromethane	9.642	83	4279	1.262	ug/L	96
39) cis-1,3-Dichloropropene	10.069	75	4425	1.087	ug/L	93
40) 4-Methyl-2-pentanone	10.203	43	2719	2.836	ug/L	98
42) Toluene	10.386	91	13873	1.145	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	3517m	1.088	ug/L	
45) 1,1,2-Trichloroethane	10.782	97	2707	1.346	ug/L	93
46) Tetrachloroethene	10.861	164	2971	1.138	ug/L	93
48) 2-Hexanone	10.965	43	2221	3.058	ug/L	96
49) Dibromochloromethane	11.129	129	3097	1.351	ug/L	95
50) 1,2-Dibromoethane	11.233	107	2521	1.343	ug/L #	96
51) Chlorobenzene	11.654	112	9485	1.177	ug/L	97
52) Ethylbenzene	11.727	91	15090	1.104	ug/L	99
53) m,p-Xylene	11.837	106	5907	1.102	ug/L	79
54) o-Xylene	12.166	106	5002	0.995	ug/L	89
55) Styrene	12.178	104	8941	1.068	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.708	83	3247	1.508	ug/L #	83
59) Bromoform	12.349	173	1625	1.243	ug/L #	94
60) Isopropylbenzene	12.458	105	13572	0.982	ug/L	98
61) 1,2,3-Trichloropropane	12.769	75	2306	1.561	ug/L	91
62) 1,3,5-Trimethylbenzene	12.934	105	10675	0.965	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	10296	0.951	ug/L	94
64) 1,3-Dichlorobenzene	13.495	146	7575	1.193	ug/L	94
65) 1,4-Dichlorobenzene	13.574	146	7950	1.231	ug/L	88
67) 1,2-Dichlorobenzene	13.861	146	6983	1.245	ug/L #	82
68) 1,2-Dibromo-3-chloropr...	14.482	75	463m	1.578	ug/L	
69) 1,3,5-Trichlorobenzene	14.623	180	5353	1.174	ug/L	99
70) 1,2,4-trichlorobenzene	15.123	180	4335	1.177	ug/L	91
71) Naphthalene	15.360	128	7404	1.294	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	3757	1.223	ug/L	97

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

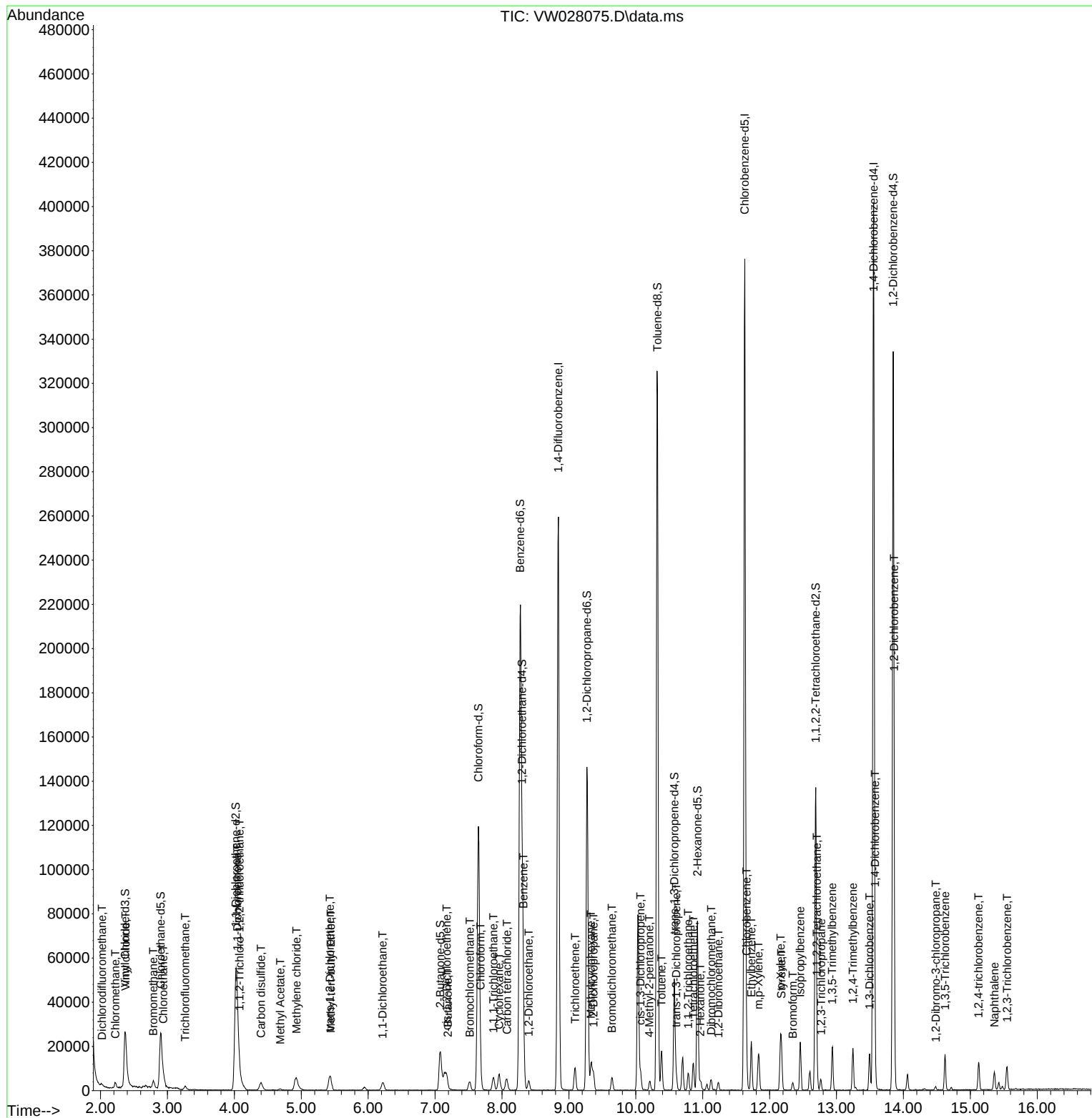
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022824\
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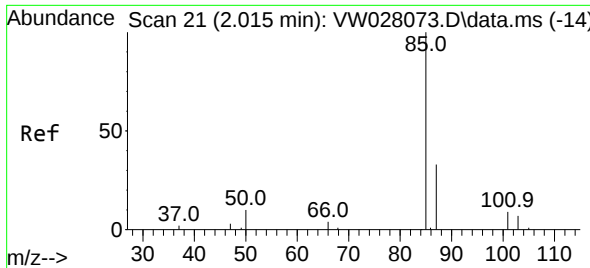
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ClientSampleId :
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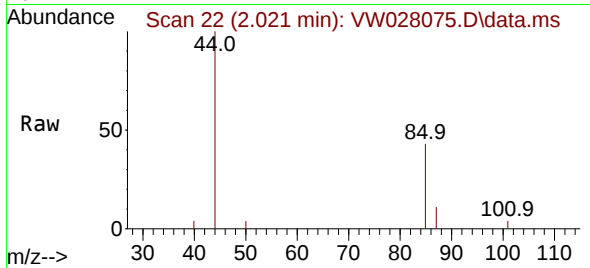
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024





#2
Dichlorodifluoromethane
Concen: 1.009 ug/L m
RT: 2.021 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

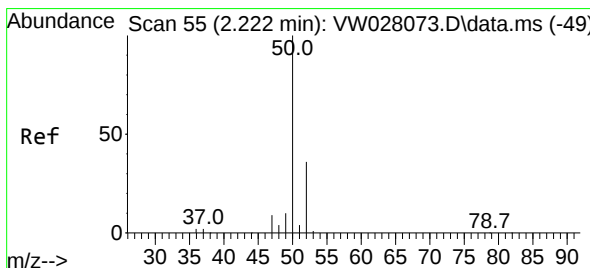
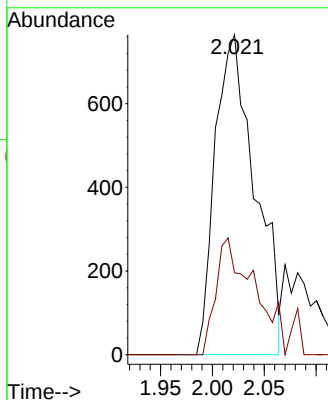
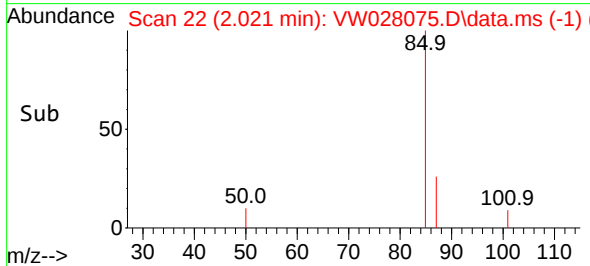
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-02



Tgt Ion: 85 Resp: 2049
Ion Ratio Lower Upper
85 100
87 2.2 25.3 37.9

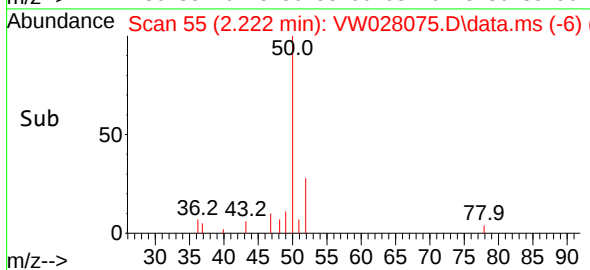
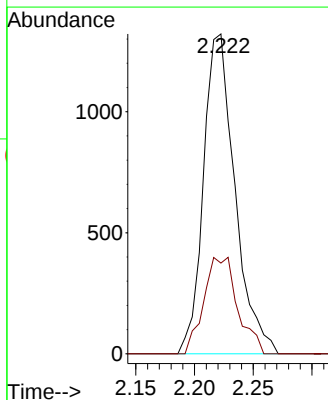
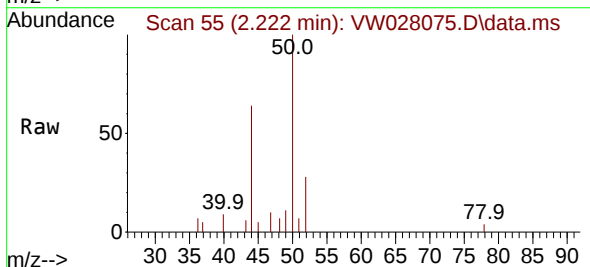
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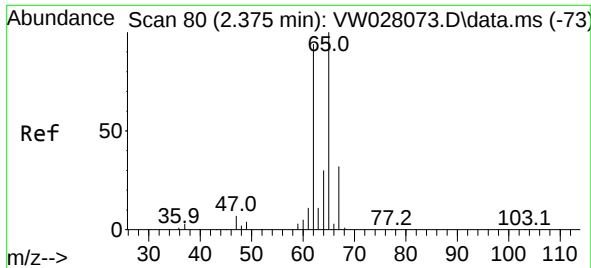
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#3
Chloromethane
Concen: 1.103 ug/L
RT: 2.222 min Scan# 55
Delta R.T. -0.000 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

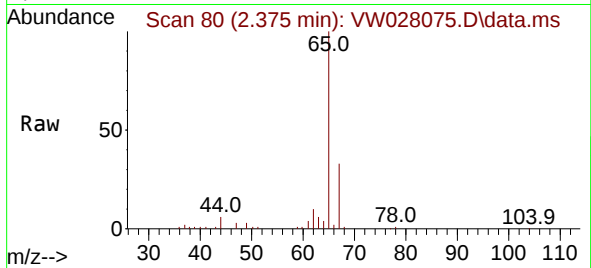
Tgt Ion: 50 Resp: 2460
Ion Ratio Lower Upper
50 100
52 28.4 24.3 45.1





#5
 Vinyl chloride
 Concen: 1.099 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW028075.D
 Acq: 28 Feb 2024 13:03

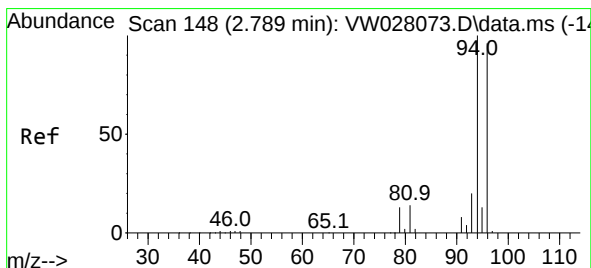
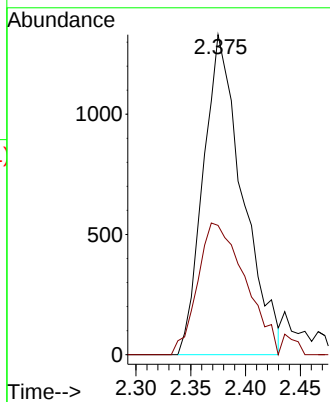
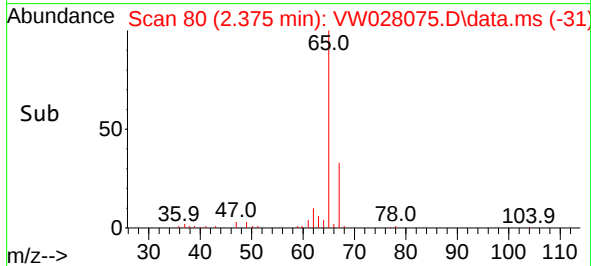
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2024-02



Tgt Ion: 62 Resp: 332
 Ion Ratio Lower Upper
 62 100
 64 40.4 23.0 42.6

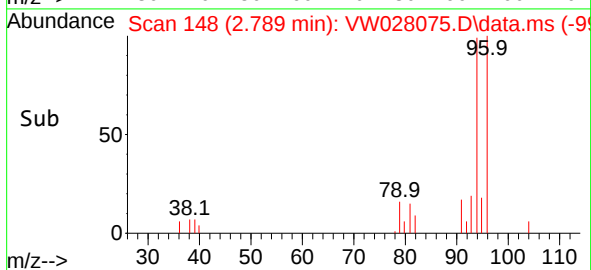
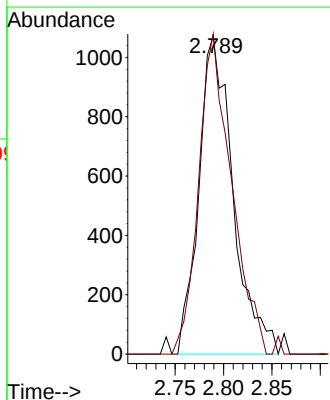
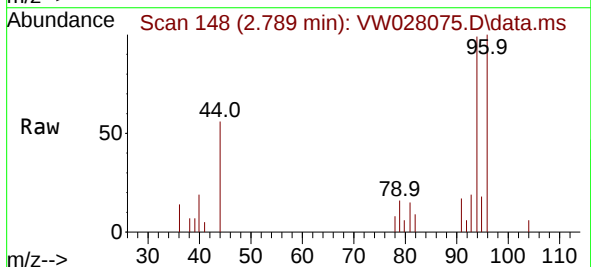
Manual Integrations
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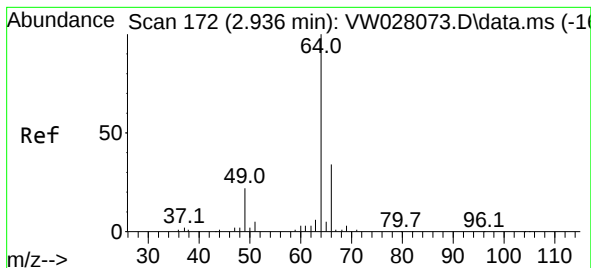
Reviewed By :Semsettin Yesilyurt 02/29/2024
 Supervised By :Mahesh Dadoda 02/29/2024



#6
 Bromomethane
 Concen: 1.233 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VW028075.D
 Acq: 28 Feb 2024 13:03

Tgt Ion: 94 Resp: 2634
 Ion Ratio Lower Upper
 94 100
 96 100.7 65.3 121.3





#8

Chloroethane

Concen: 1.209 ug/L

RT: 2.936 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW028075.D

Acq: 28 Feb 2024 13:03

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2024-02

Tgt Ion: 64 Resp: 206

Ion Ratio Lower Upper

64 100

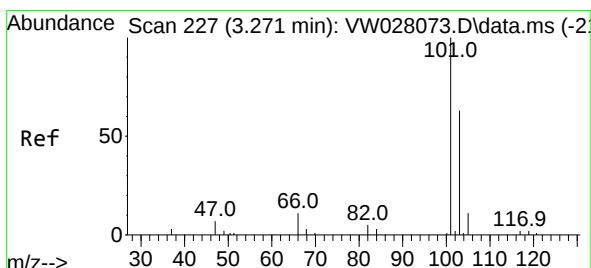
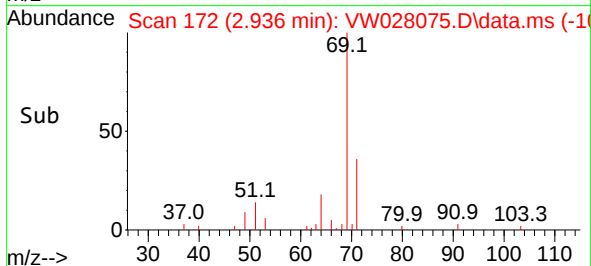
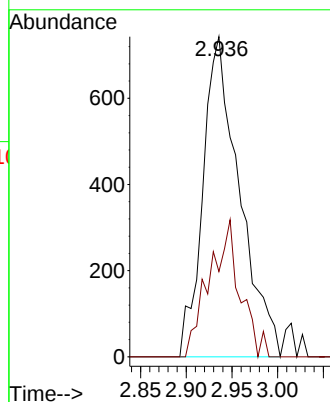
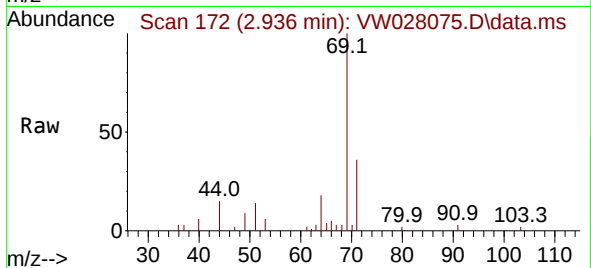
66 26.6 20.9 38.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/29/2024

Supervised By :Mahesh Dadoda 02/29/2024



#9

Trichlorofluoromethane

Concen: 0.688 ug/L

RT: 3.265 min Scan# 226

Delta R.T. -0.006 min

Lab File: VW028075.D

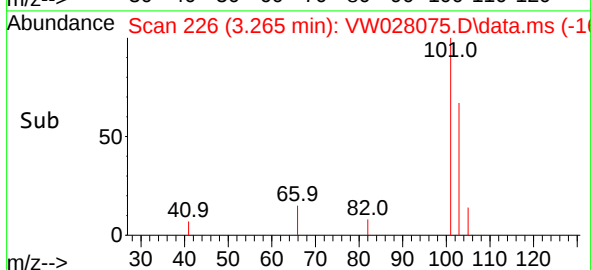
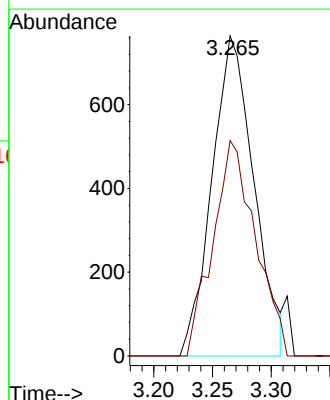
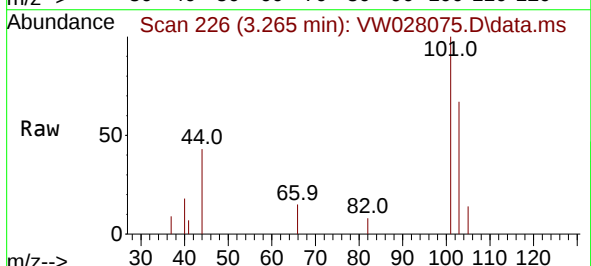
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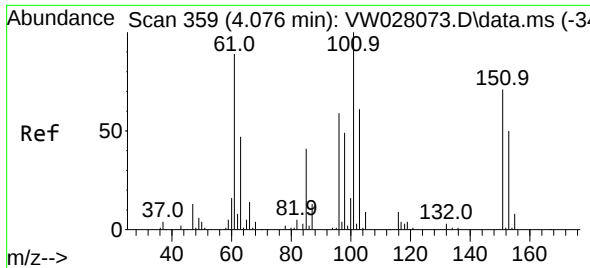
Tgt Ion:101 Resp: 1891

Ion Ratio Lower Upper

101 100

103 68.6 51.6 77.4





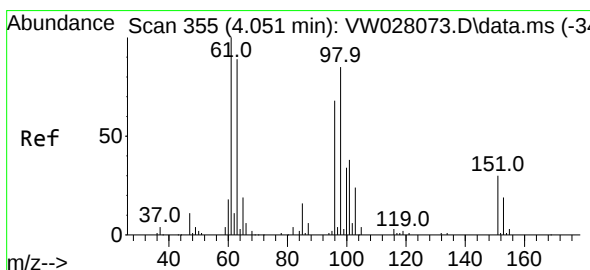
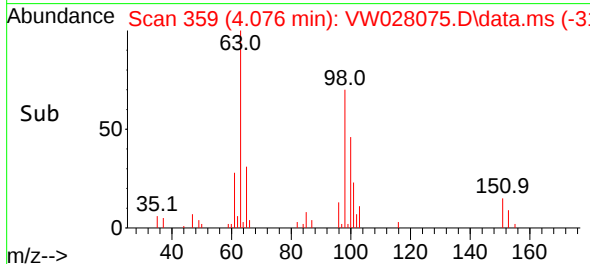
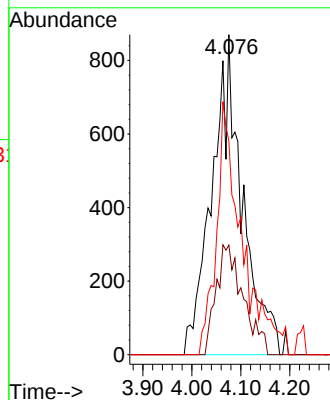
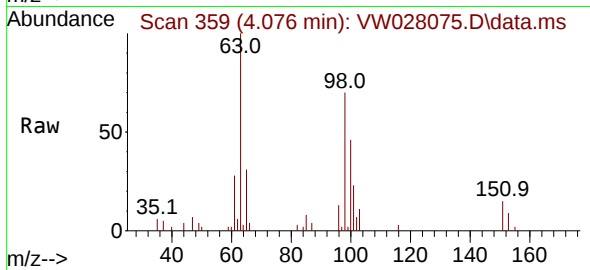
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.352 ug/L m
RT: 4.076 min Scan# 3
Delta R.T. -0.000 min
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Tgt Ion:101 Resp: 374
Ion Ratio Lower Upper
101 100
85 28.1 33.8 50.6
151 47.6 62.6 93.8

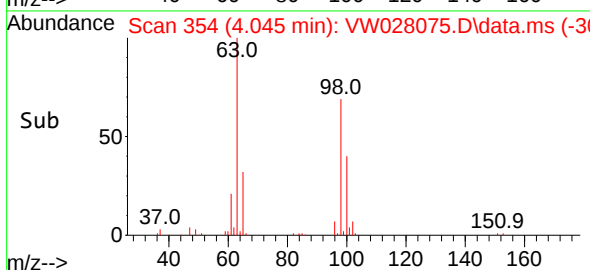
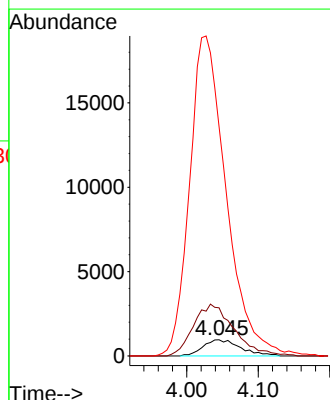
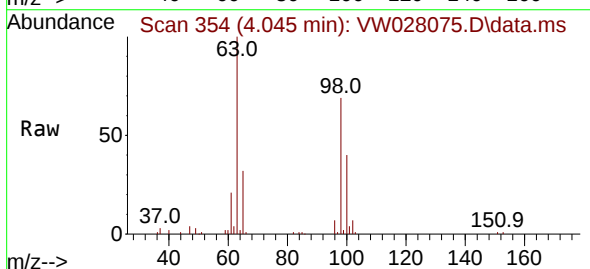
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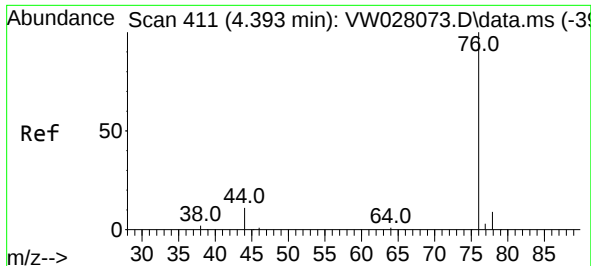
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#12
1,1-Dichloroethene
Concen: 1.361 ug/L
RT: 4.045 min Scan# 354
Delta R.T. -0.006 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

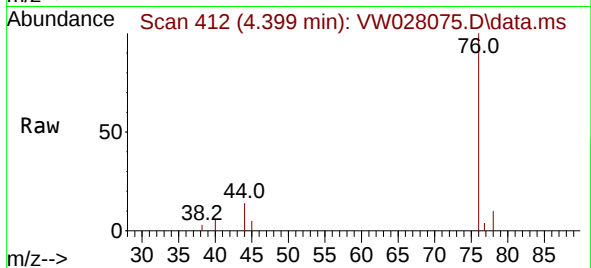
Tgt Ion: 96 Resp: 3506
Ion Ratio Lower Upper
96 100
61 297.7 107.4 199.4#
63 1415.8 86.0 159.6#





#14
Carbon disulfide
Concen: 1.076 ug/L
RT: 4.399 min Scan# 411
Delta R.T. 0.006 min
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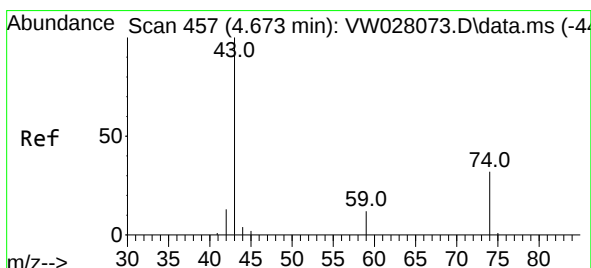
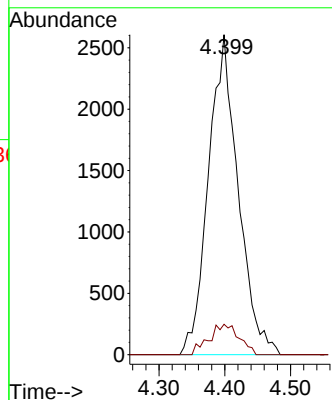
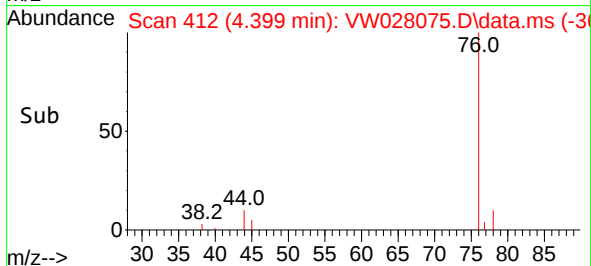
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Tgt Ion: 76 Resp: 8200
Ion Ratio Lower Upper
76 100
78 9.5 7.5 11.3

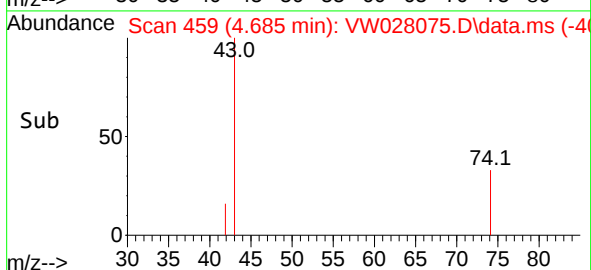
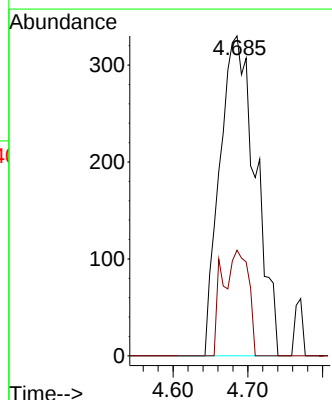
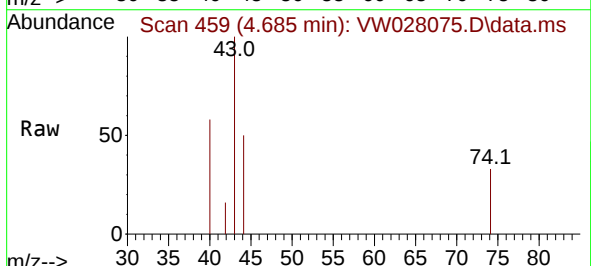
Manual Integrations
APPROVED

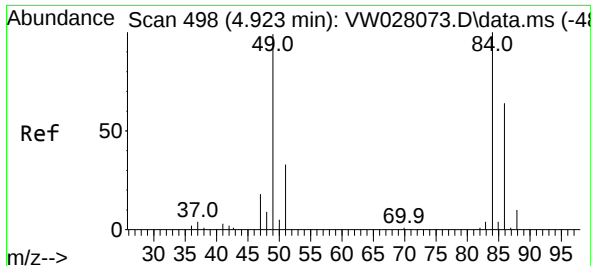
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#15
Methyl Acetate
Concen: 1.581 ug/L m
RT: 4.685 min Scan# 459
Delta R.T. 0.012 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

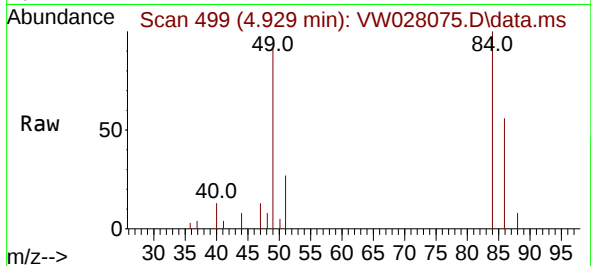
Tgt Ion: 43 Resp: 1098
Ion Ratio Lower Upper
43 100
74 15.8 24.2 36.2#





#16
Methylene chloride
Concen: 2.167 ug/L
RT: 4.929 min Scan# 498
Delta R.T. 0.006 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

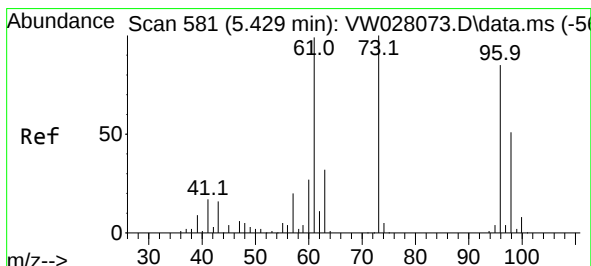
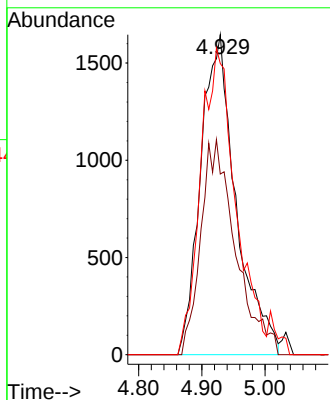
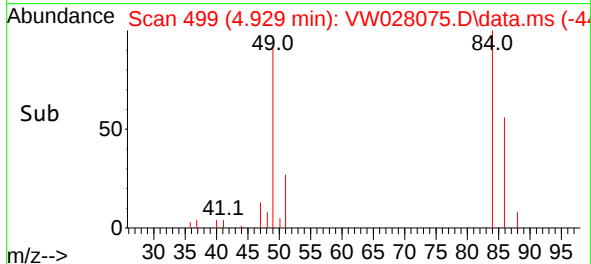
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-02



Tgt Ion: 84 Resp: 6388
Ion Ratio Lower Upper
84 100
86 56.4 45.4 84.4
49 91.0 66.3 123.1

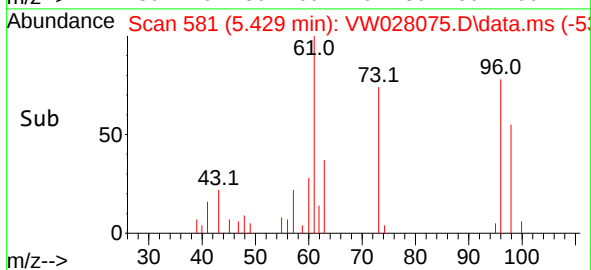
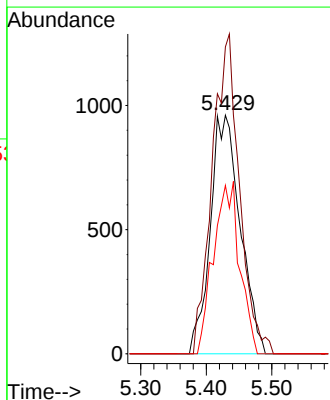
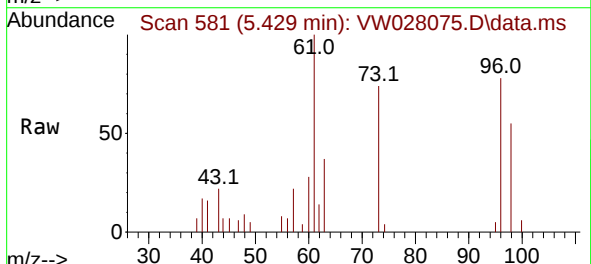
Manual Integrations
APPROVED

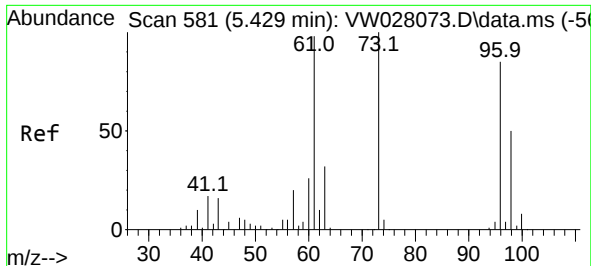
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#17
trans-1,2-Dichloroethene
Concen: 1.101 ug/L m
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

Tgt Ion: 96 Resp: 3046
Ion Ratio Lower Upper
96 100
61 128.6 80.1 148.7
98 70.6 43.8 81.4





#18

Methyl tert-butyl Ether

Concen: 1.256 ug/L m

RT: 5.441 min Scan# 581

Delta R.T. 0.012 min

Lab File: VW028075.D

Acq: 28 Feb 2024 13:03

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2024-02

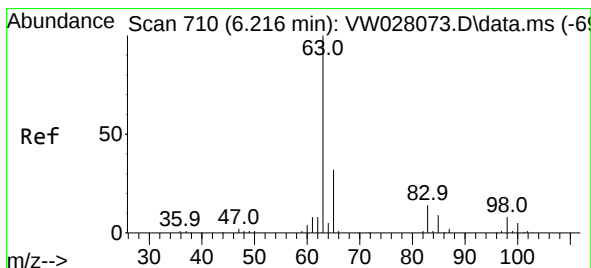
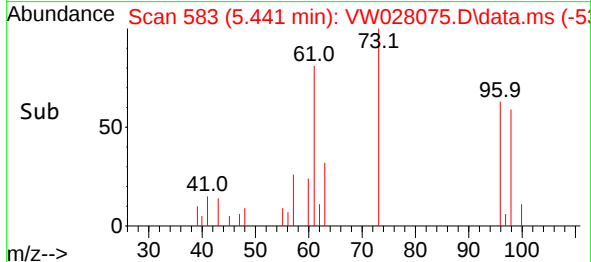
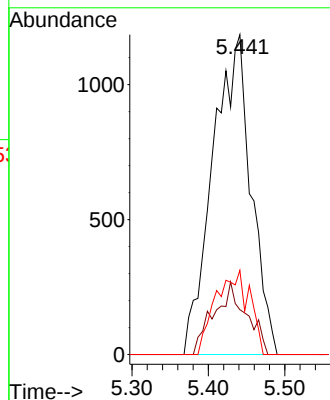
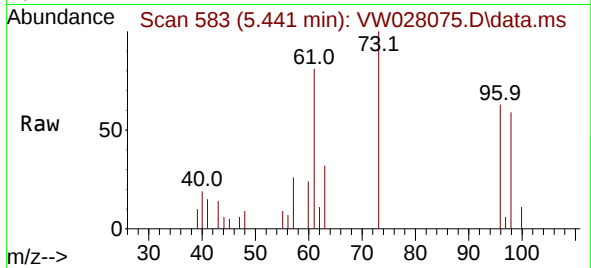
Tgt Ion: 73 Resp: 412

Ion	Ratio	Lower	Upper
73	100		
43	10.6	13.4	20.0
57	14.5	16.3	24.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#19

1,1-Dichloroethane

Concen: 1.175 ug/L

RT: 6.216 min Scan# 710

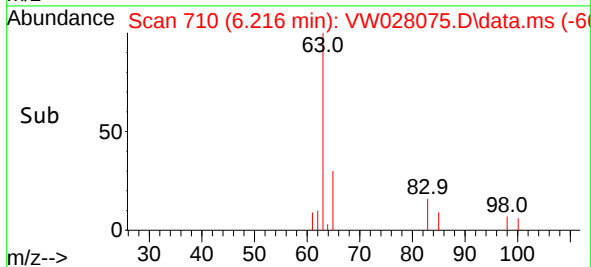
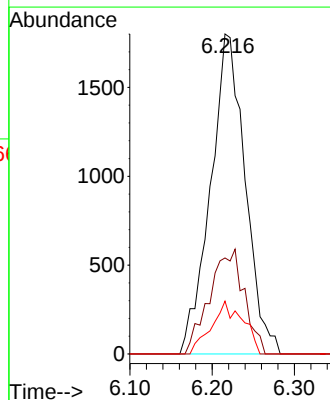
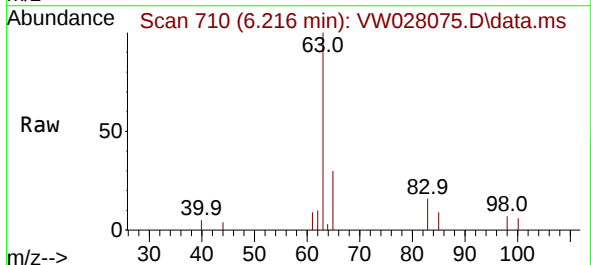
Delta R.T. -0.000 min

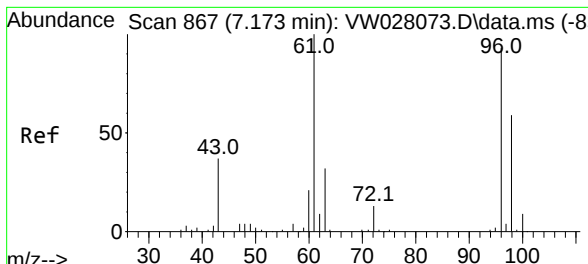
Lab File: VW028075.D

Acq: 28 Feb 2024 13:03

Tgt Ion: 63 Resp: 5282

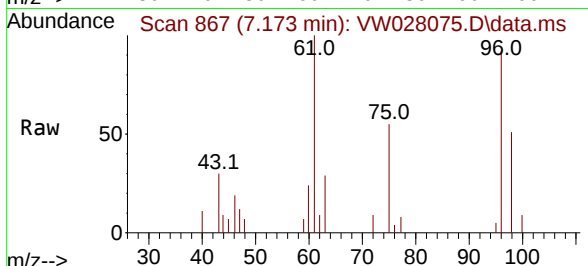
Ion	Ratio	Lower	Upper
63	100		
65	30.0	23.1	42.9
83	16.5	9.9	18.3





#20
 cis-1,2-Dichloroethene
 Concen: 1.177 ug/L
 RT: 7.173 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW028075.D
 Acq: 28 Feb 2024 13:03

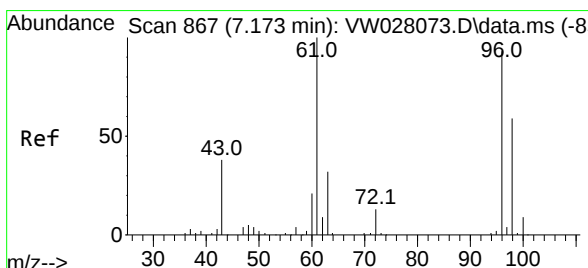
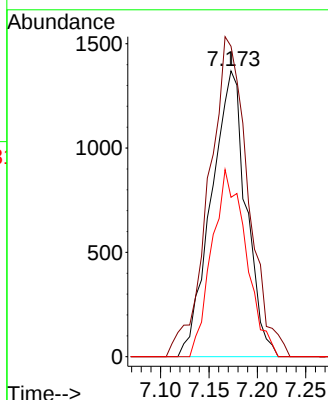
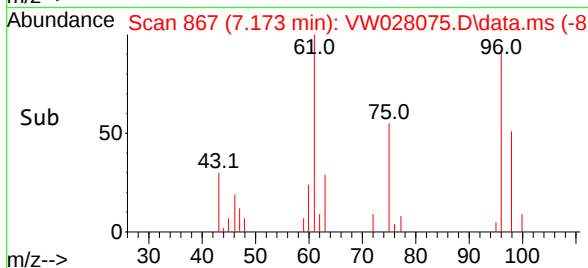
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2024-02



Tgt Ion: 96 Resp: 3439
 Ion Ratio Lower Upper
 96 100
 61 108.6 76.3 141.7
 98 55.8 42.9 79.7

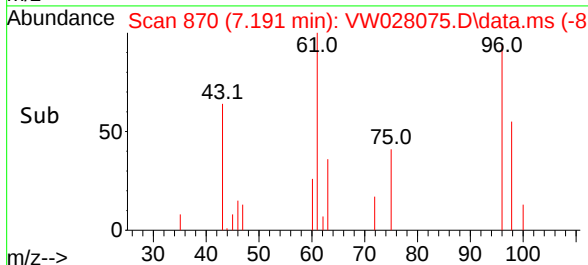
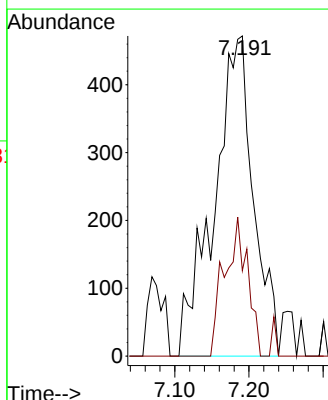
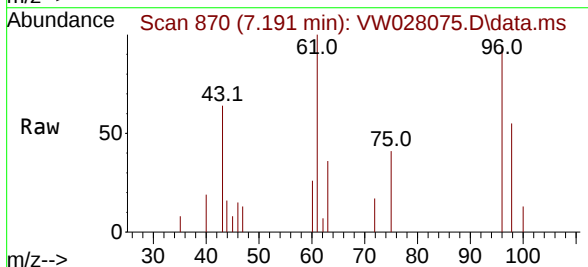
Manual Integrations
 APPROVED

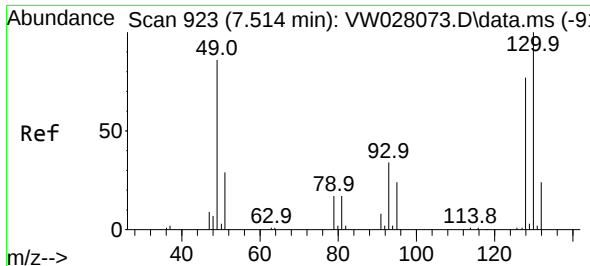
Reviewed By :Semsettin Yesilyurt 02/29/2024
 Supervised By :Mahesh Dadoda 02/29/2024



#22
 2-Butanone
 Concen: 3.637 ug/L m
 RT: 7.191 min Scan# 870
 Delta R.T. 0.018 min
 Lab File: VW028075.D
 Acq: 28 Feb 2024 13:03

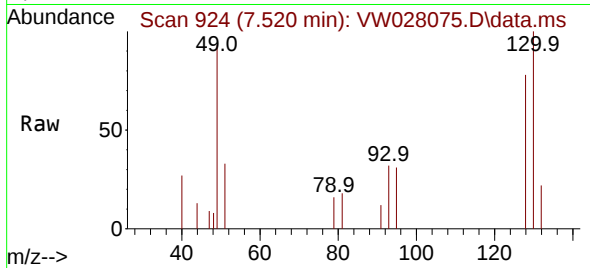
Tgt Ion: 43 Resp: 1752
 Ion Ratio Lower Upper
 43 100
 72 15.9 17.0 50.9





#23
Bromochloromethane
Concen: 1.284 ug/L
RT: 7.520 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

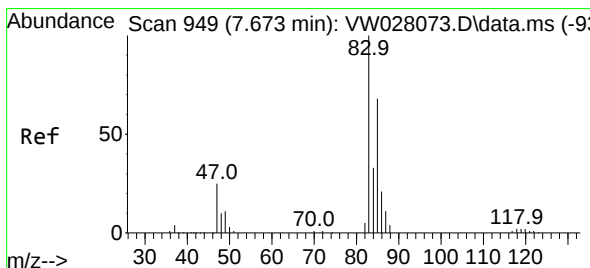
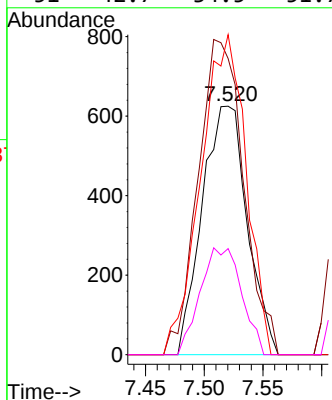
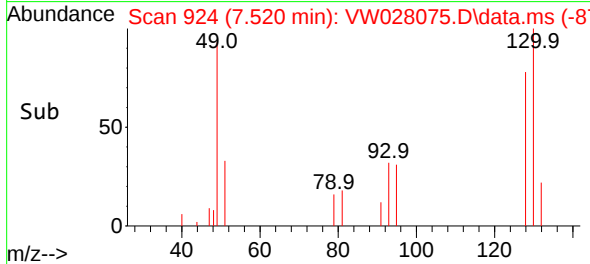
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-02



Tgt Ion:128 Resp: 166
Ion Ratio Lower Upper
128 100
49 119.2 93.2 173.2
130 128.8 97.4 180.8
51 42.7 34.5 51.7

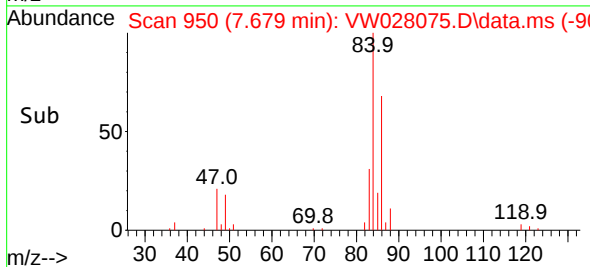
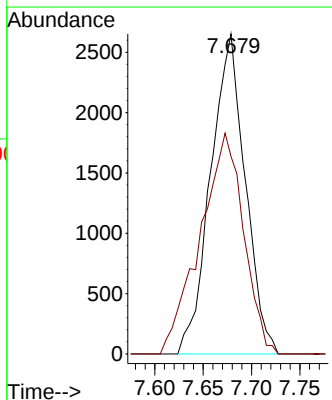
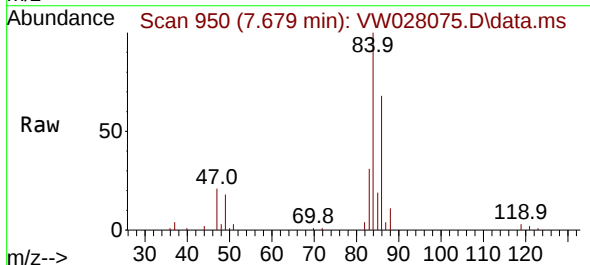
Manual Integrations
APPROVED

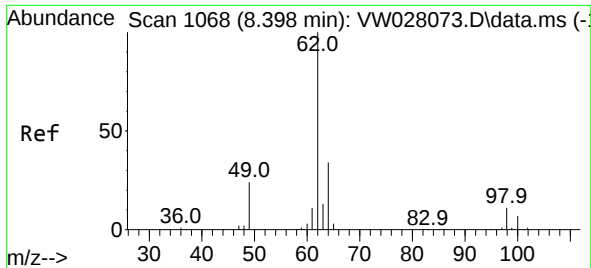
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#25
Chloroform
Concen: 1.364 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.006 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

Tgt Ion: 83 Resp: 6594
Ion Ratio Lower Upper
83 100
85 61.8 46.6 86.6





#27

1,2-Dichloroethane

Concen: 1.447 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW028075.D

Acq: 28 Feb 2024 13:03

Instrument :

MSVOA_W

ClientSampleId :

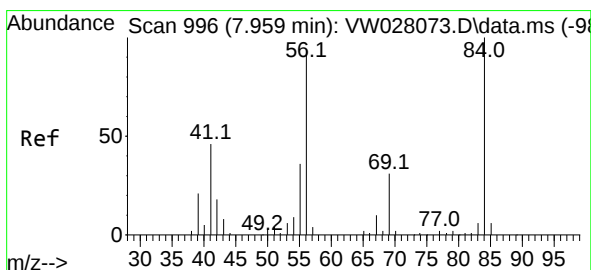
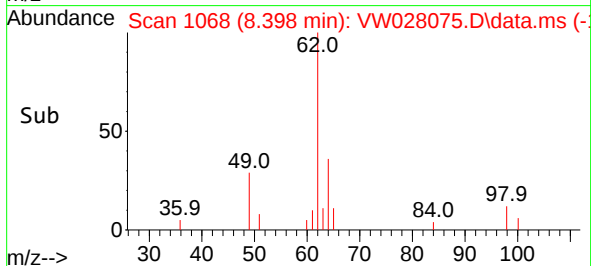
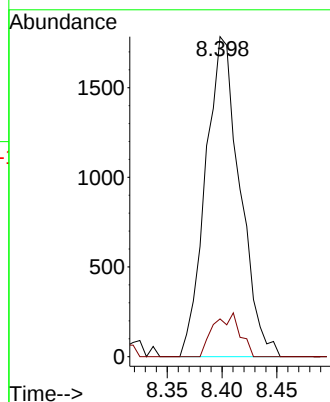
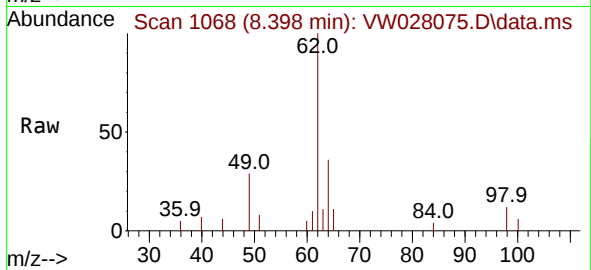
MDL-SOIL-QT1-2024-02

Tgt Ion: 62 Resp: 389
 Ion Ratio Lower Upper
 62 100
 98 11.8 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/29/2024
 Supervised By :Mahesh Dadoda 02/29/2024



#29

Cyclohexane

Concen: 1.002 ug/L

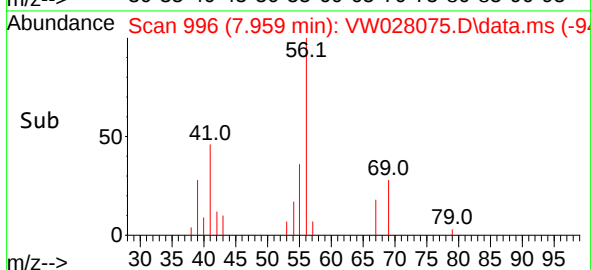
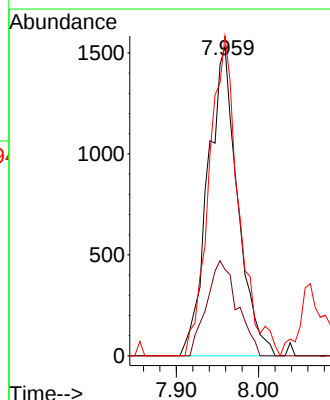
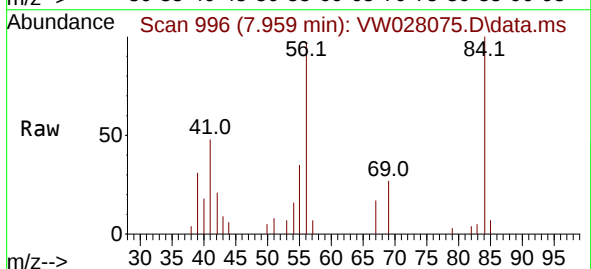
RT: 7.959 min Scan# 996

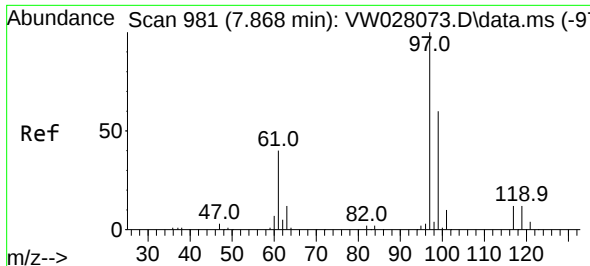
Delta R.T. -0.000 min

Lab File: VW028075.D

Acq: 28 Feb 2024 13:03

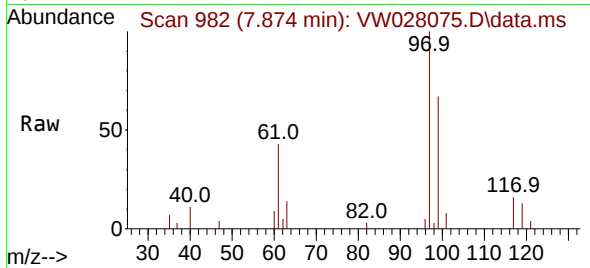
Tgt Ion: 56 Resp: 3866
 Ion Ratio Lower Upper
 56 100
 69 31.7 26.3 39.5
 84 99.0 81.6 122.4





#30
1,1,1-Trichloroethane
Concen: 1.165 ug/L m
RT: 7.874 min Scan# 981
Delta R.T. 0.006 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

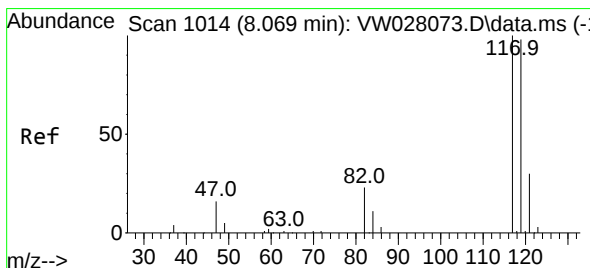
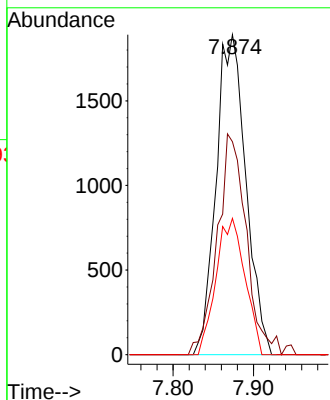
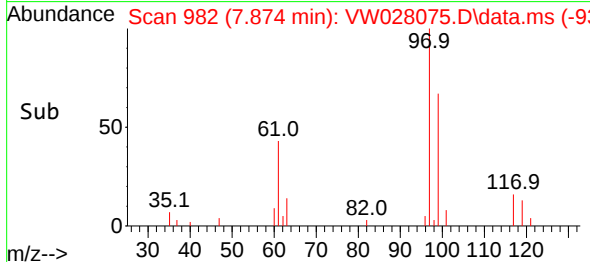
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-02



Tgt Ion: 97 Resp: 4869
Ion Ratio Lower Upper
97 100
99 66.5 51.4 77.0
61 41.3 32.9 49.3

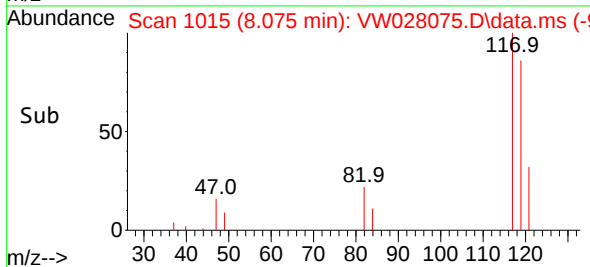
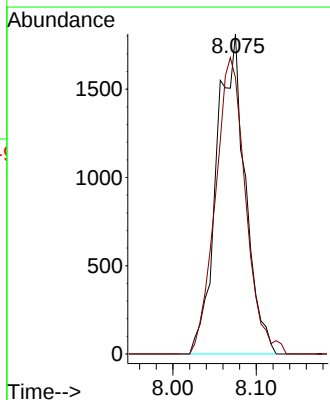
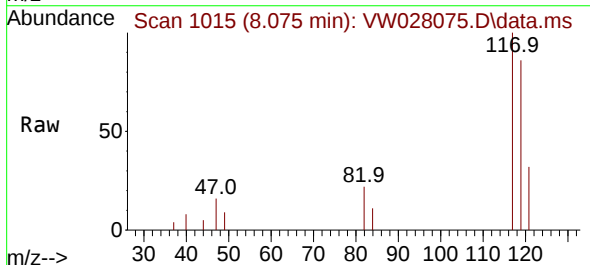
Manual Integrations
APPROVED

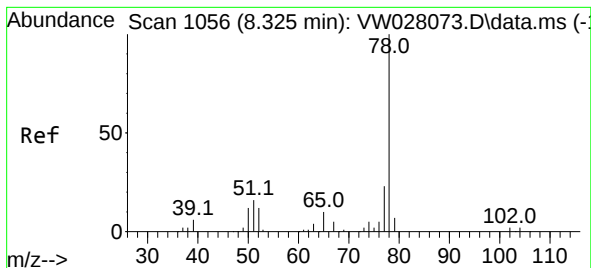
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#31
Carbon tetrachloride
Concen: 1.119 ug/L m
RT: 8.075 min Scan# 1015
Delta R.T. 0.006 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

Tgt Ion:117 Resp: 4324
Ion Ratio Lower Upper
117 100
119 14.5 76.5 114.7#





#33

Benzene

Concen: 1.217 ug/L

RT: 8.319 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VW028075.D

Acq: 28 Feb 2024 13:03

Instrument :

MSVOA_W

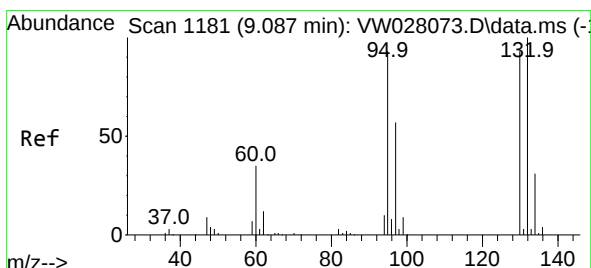
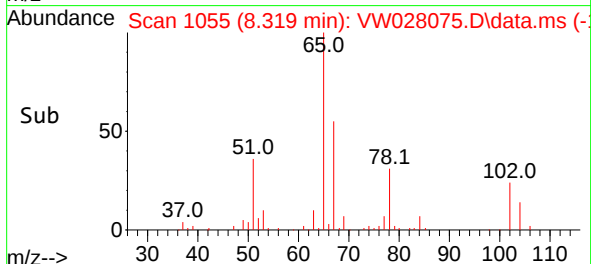
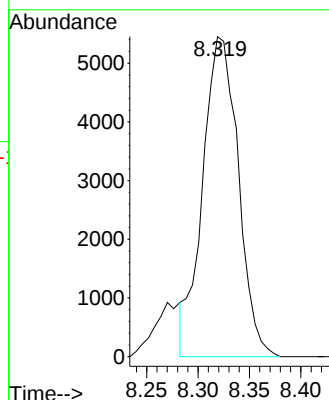
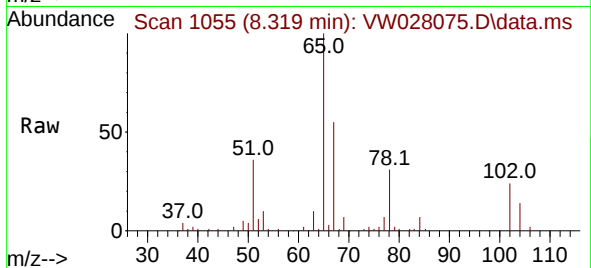
ClientSampleId :

MDL-SOIL-QT1-2024-02

Tgt Ion: 78 Resp: 1315

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#34

Trichloroethene

Concen: 1.124 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.006 min

Lab File: VW028075.D

Acq: 28 Feb 2024 13:03

Tgt Ion: 95 Resp: 3487

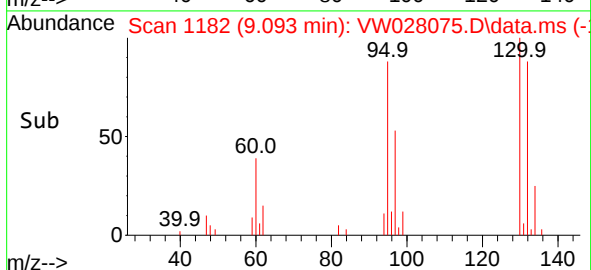
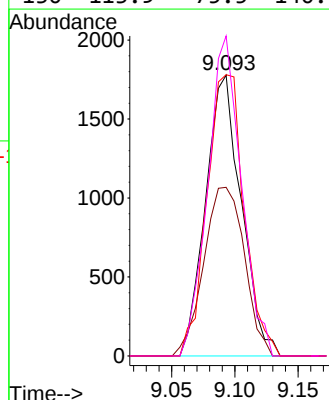
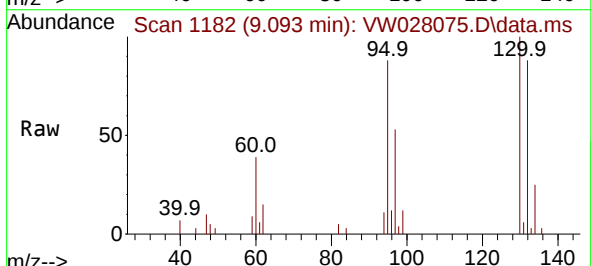
Ion Ratio Lower Upper

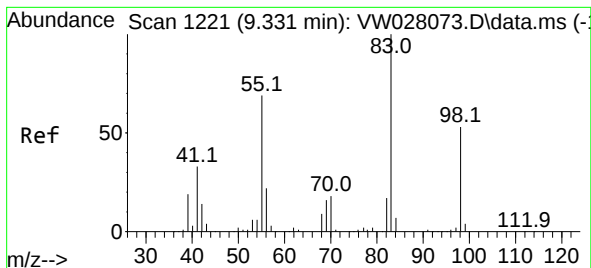
95 100

97 60.1 44.3 82.3

132 100.2 68.0 126.2

130 113.9 75.5 140.3





#35

Methylcyclohexane

Concen: 1.043 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.000 min

Lab File: VW028075.D

Acq: 28 Feb 2024 13:03

Instrument :

MSVOA_W

ClientSampleId :

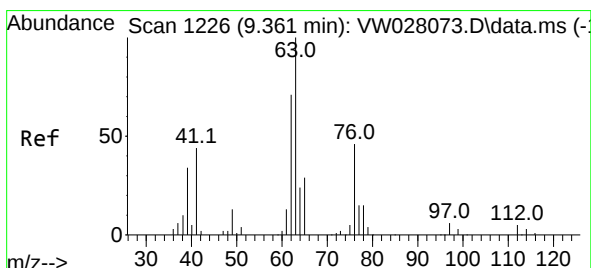
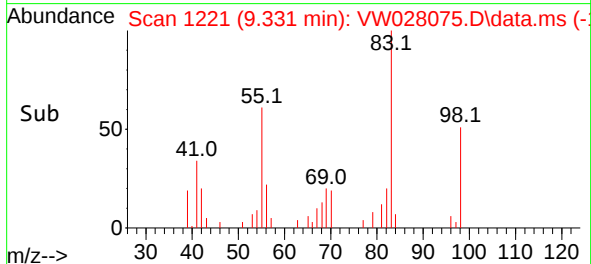
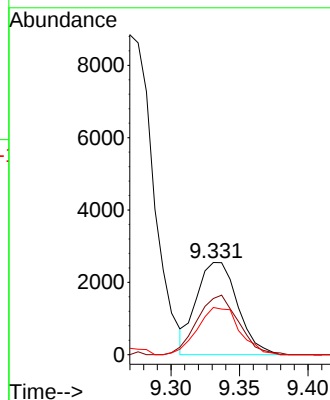
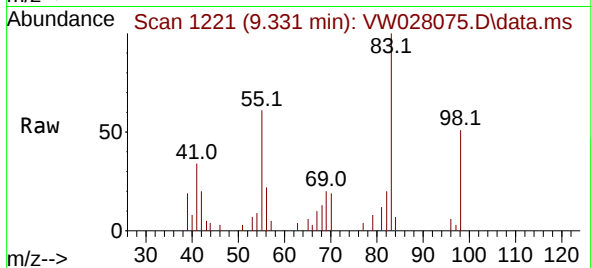
MDL-SOIL-QT1-2024-02

Tgt Ion: 83	Resp: 532
Ion Ratio	Lower Upper
83	100
55	64.8 52.3 78.5
98	52.3 41.9 62.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#37

1,2-Dichloropropane

Concen: 1.200 ug/L

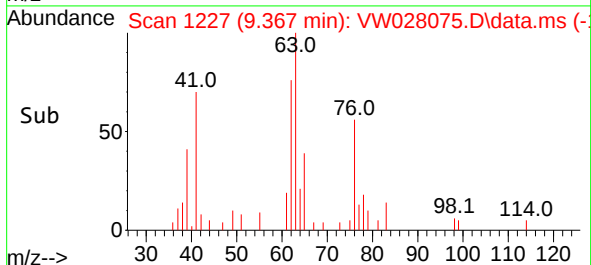
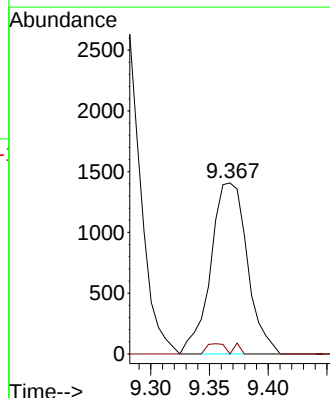
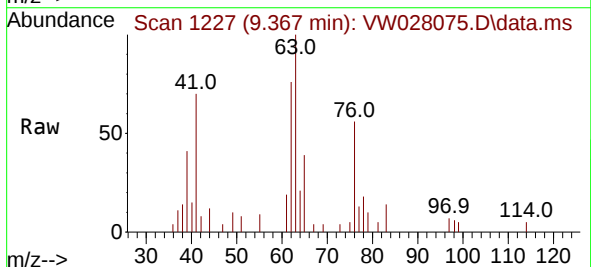
RT: 9.367 min Scan# 1227

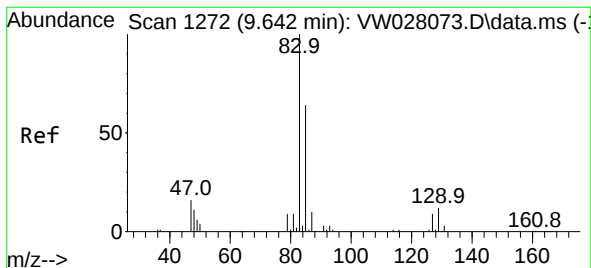
Delta R.T. 0.006 min

Lab File: VW028075.D

Acq: 28 Feb 2024 13:03

Tgt Ion: 63	Resp: 3048
Ion Ratio	Lower Upper
63	100
112	1.1 4.2 6.2#





#38

Bromodichloromethane

Concen: 1.262 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW028075.D

Acq: 28 Feb 2024 13:03

Instrument :

MSVOA_W

ClientSampleId :

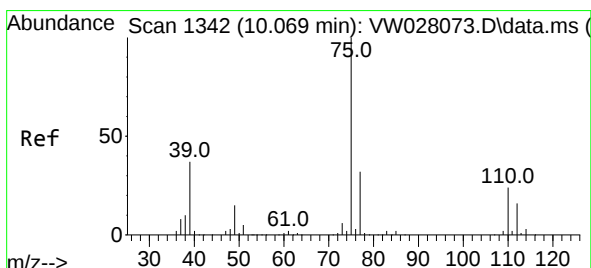
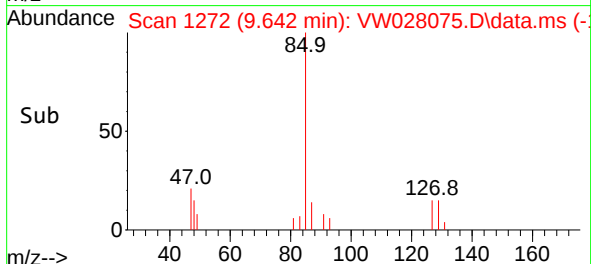
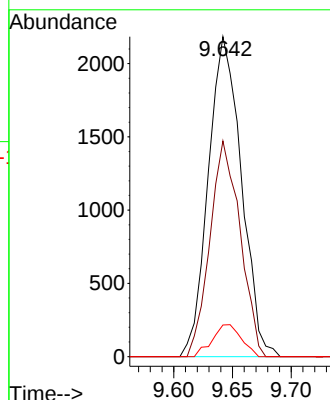
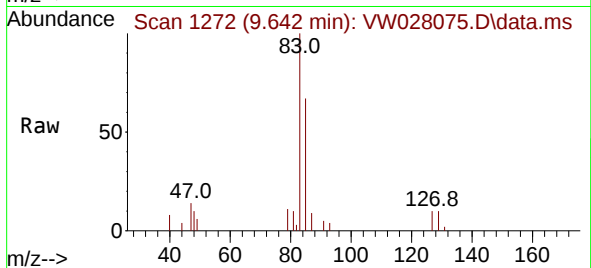
MDL-SOIL-QT1-2024-02

Tgt Ion:	83	Resp:	4279
Ion	Ratio	Lower	Upper
83	100		
85	67.4	44.7	83.1
127	9.9	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#39

cis-1,3-Dichloropropene

Concen: 1.087 ug/L

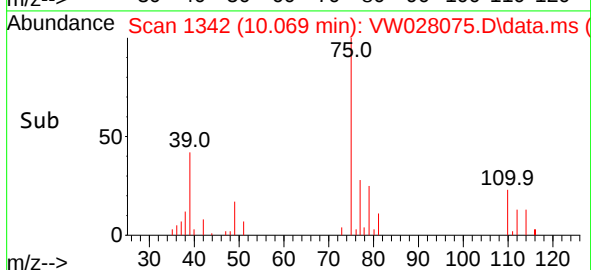
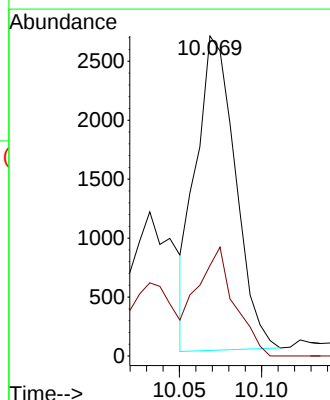
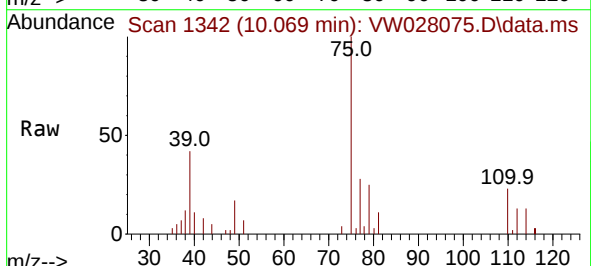
RT: 10.069 min Scan# 1342

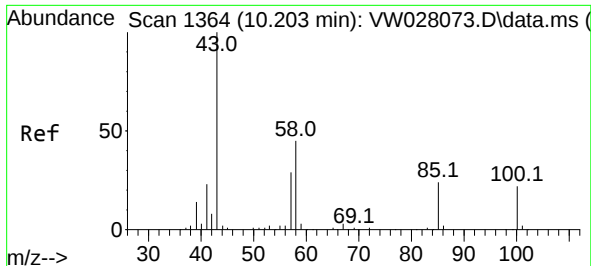
Delta R.T. -0.000 min

Lab File: VW028075.D

Acq: 28 Feb 2024 13:03

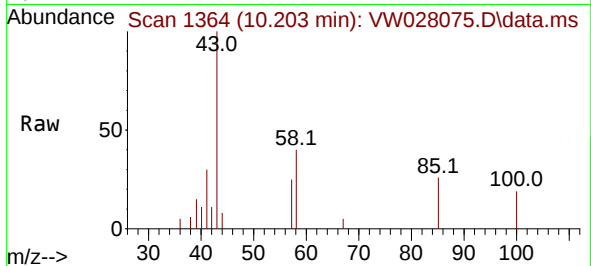
Tgt Ion:	75	Resp:	4425
Ion	Ratio	Lower	Upper
75	100		
77	28.3	22.4	41.6





#40
4-Methyl-2-pentanone
Concen: 2.836 ug/L
RT: 10.203 min Scan# 1364
Delta R.T. -0.000 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

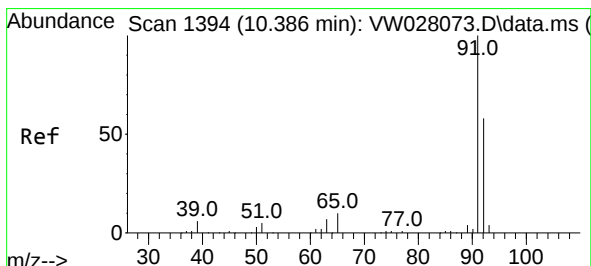
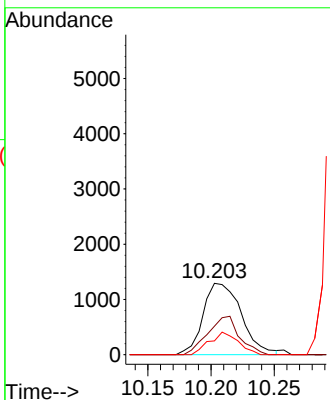
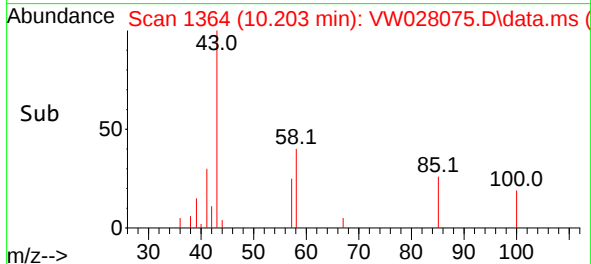
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-02



Tgt Ion: 43 Resp: 2719
Ion Ratio Lower Upper
43 100
58 44.3 36.7 55.1
100 23.8 18.4 27.6

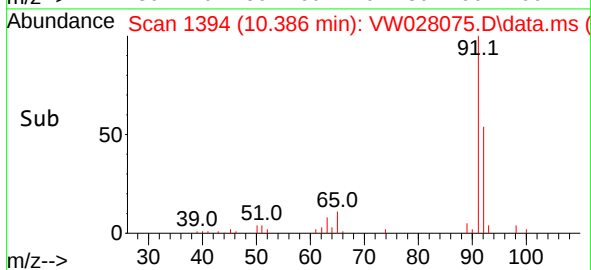
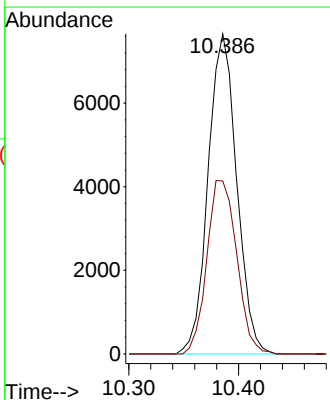
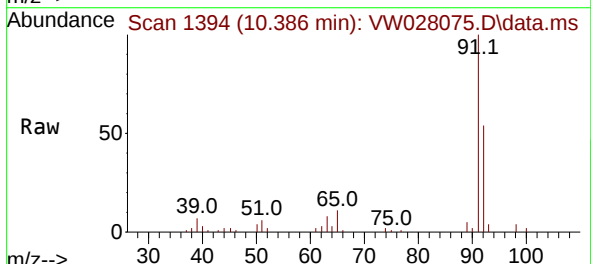
Manual Integrations
APPROVED

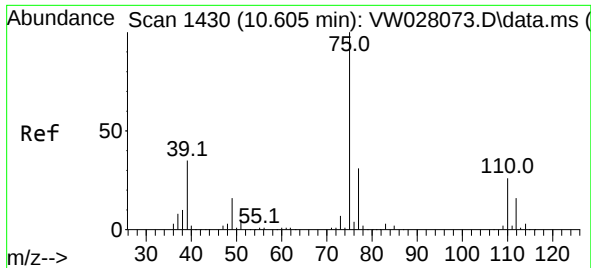
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#42
Toluene
Concen: 1.145 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

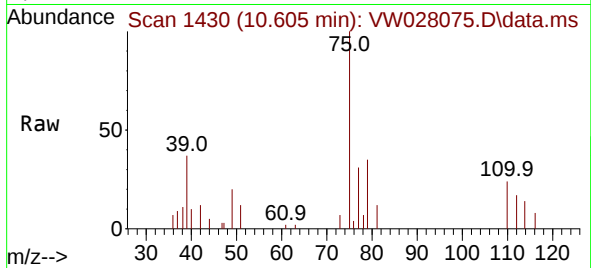
Tgt Ion: 91 Resp: 13873
Ion Ratio Lower Upper
91 100
92 54.0 38.8 72.0





#44
trans-1,3-Dichloropropene
Concen: 1.088 ug/L m
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

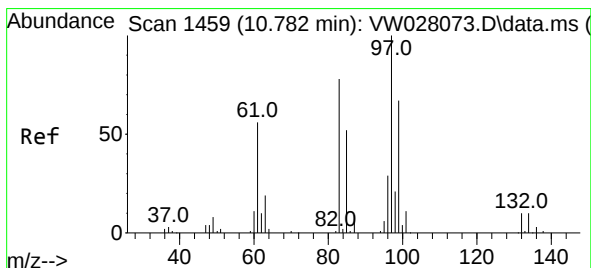
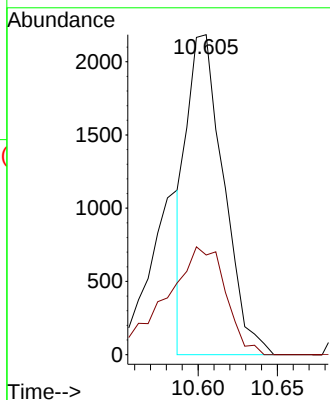
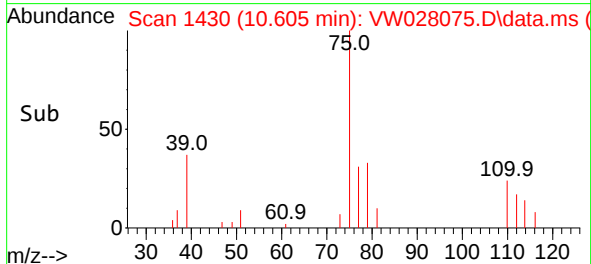
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-02



Tgt Ion: 75 Resp: 351
Ion Ratio Lower Upper
75 100
77 31.1 21.5 39.9

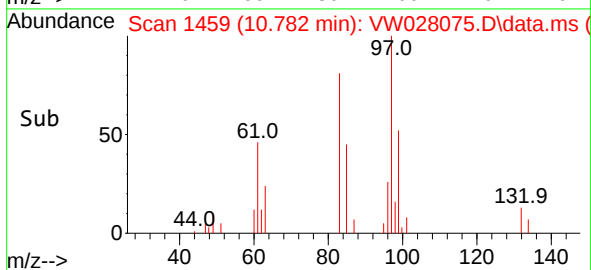
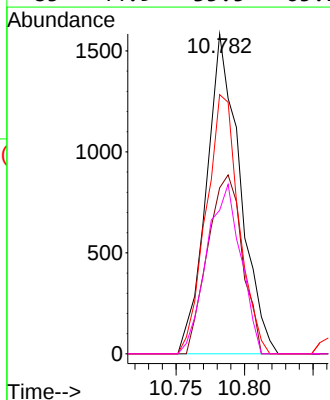
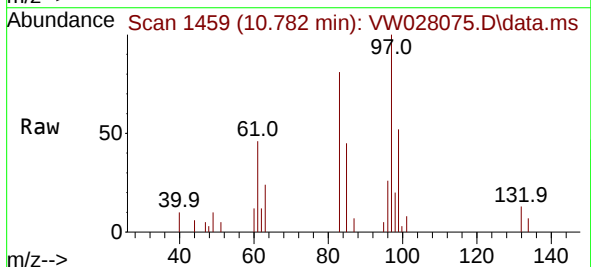
Manual Integrations
APPROVED

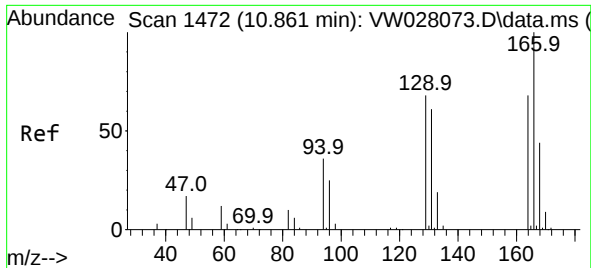
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#45
1,1,2-Trichloroethane
Concen: 1.346 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

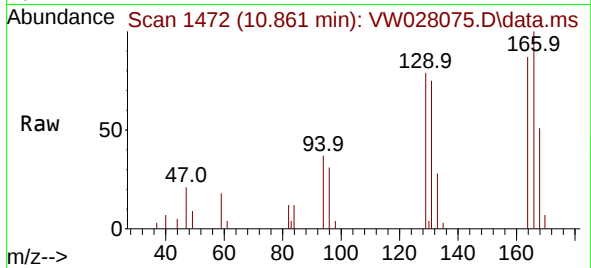
Tgt Ion: 97 Resp: 2707
Ion Ratio Lower Upper
97 100
99 51.9 43.3 80.5
83 81.1 57.2 106.2
85 44.9 35.5 65.9





#46
Tetrachloroethene
Concen: 1.138 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

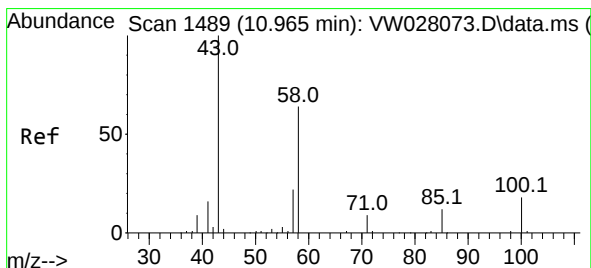
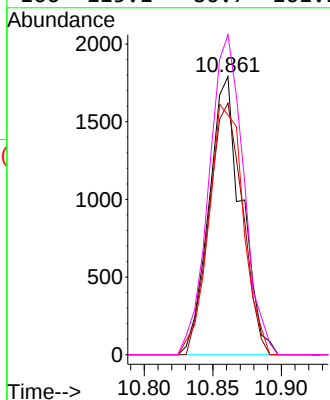
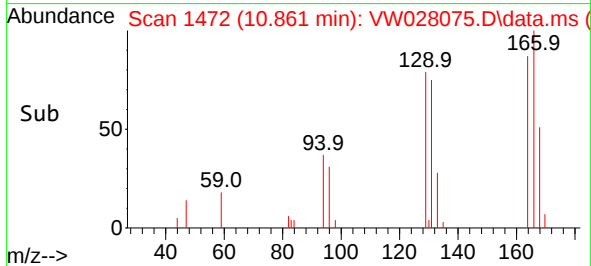
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-02



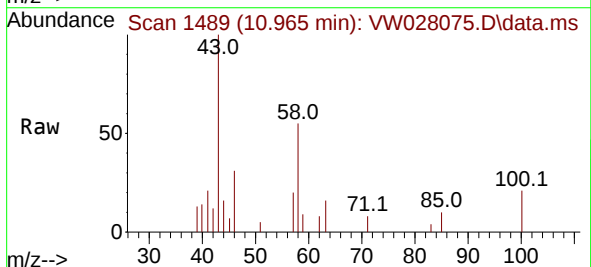
Tgt Ion	Ratio	Lower	Upper
164	100		
129	90.5	59.4	110.2
131	86.2	65.0	120.6
166	115.1	86.7	161.1

Manual Integrations
APPROVED

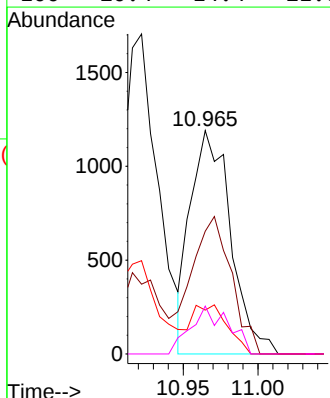
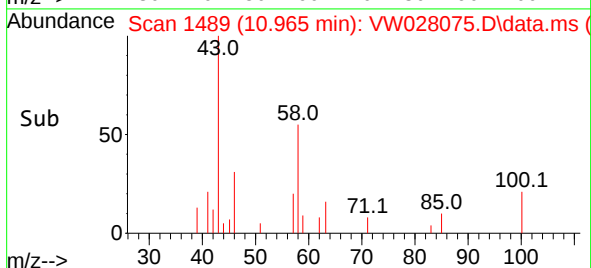
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024

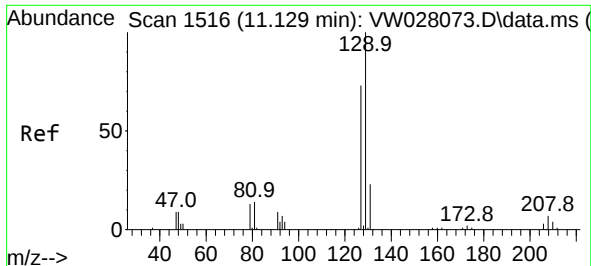


#48
2-Hexanone
Concen: 3.058 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03



Tgt Ion	Ratio	Lower	Upper
43	100		
58	62.0	51.4	77.2
57	18.2	17.4	26.2
100	20.4	14.4	21.6





#49

Dibromochloromethane

Concen: 1.351 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW028075.D

Acq: 28 Feb 2024 13:03

Instrument :

MSVOA_W

ClientSampleId :

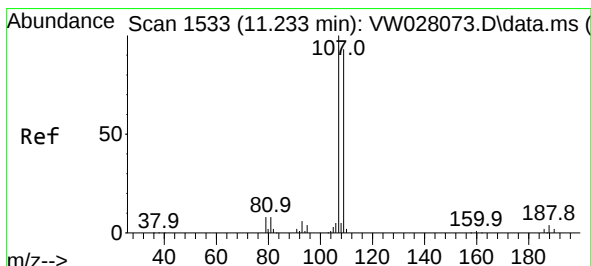
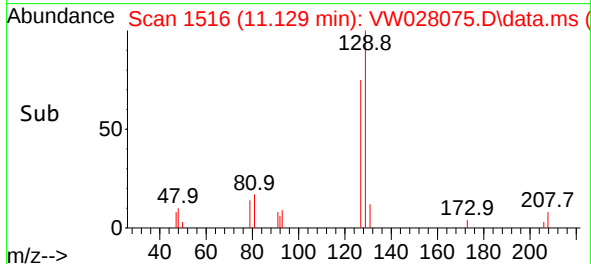
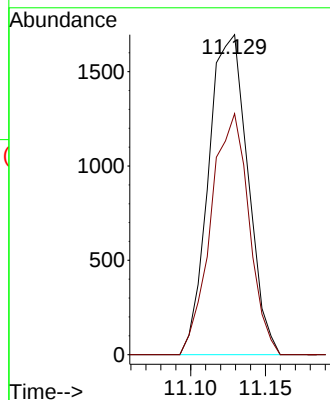
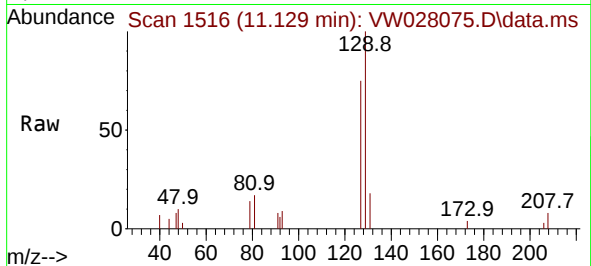
MDL-SOIL-QT1-2024-02

Tgt Ion:129 Resp: 309
 Ion Ratio Lower Upper
 129 100
 127 75.3 49.6 92.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/29/2024
 Supervised By :Mahesh Dadoda 02/29/2024



#50

1,2-Dibromoethane

Concen: 1.343 ug/L

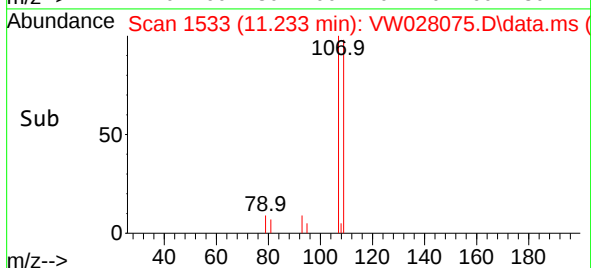
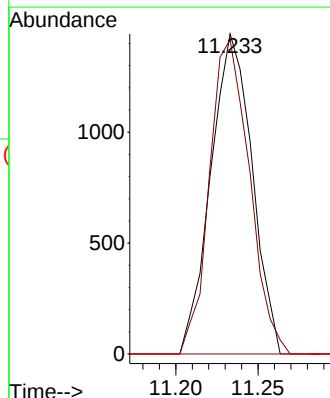
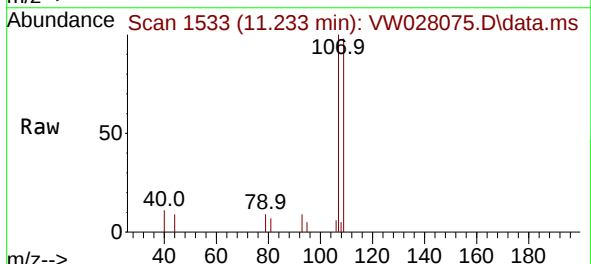
RT: 11.233 min Scan# 1533

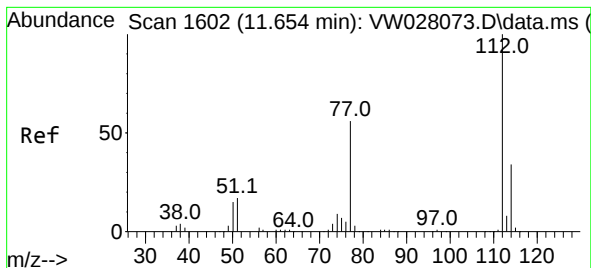
Delta R.T. -0.000 min

Lab File: VW028075.D

Acq: 28 Feb 2024 13:03

Tgt Ion:107 Resp: 2521
 Ion Ratio Lower Upper
 107 100
 109 98.3 71.2 132.2
 188 0.0 3.1 4.7#





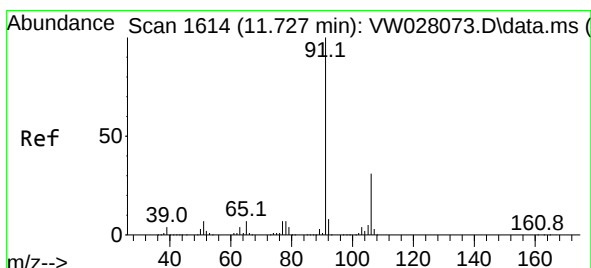
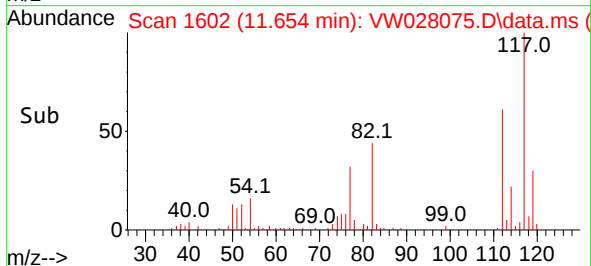
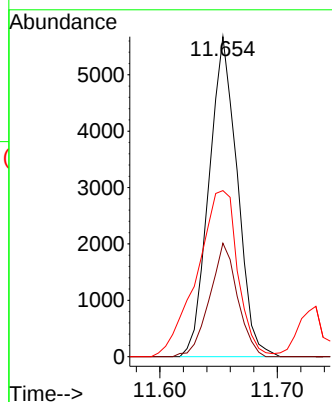
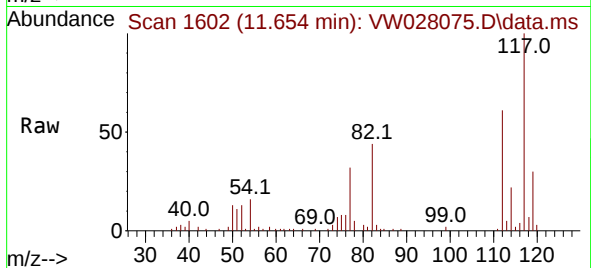
#51
Chlorobenzene
Concen: 1.177 ug/L
RT: 11.654 min Scan# 1162
Delta R.T. -0.000 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-02

Tgt Ion:112 Resp: 948
Ion Ratio Lower Upper
112 100
114 35.5 22.7 42.3
77 51.9 42.6 64.0

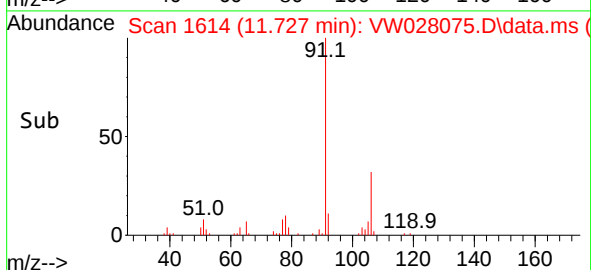
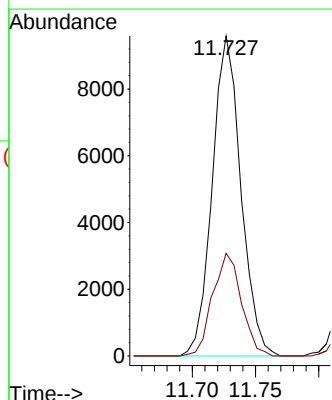
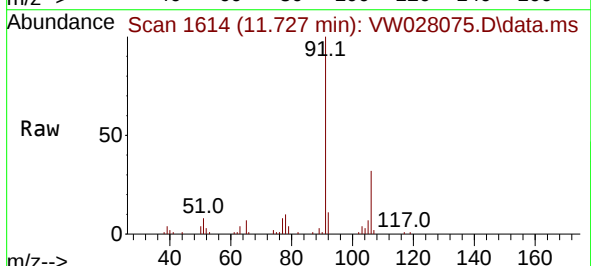
Manual Integrations
APPROVED

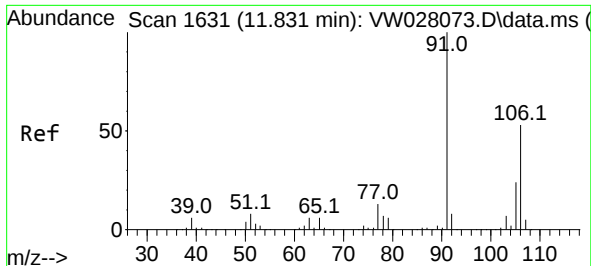
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#52
Ethylbenzene
Concen: 1.104 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

Tgt Ion: 91 Resp: 15090
Ion Ratio Lower Upper
91 100
106 32.1 22.8 42.4





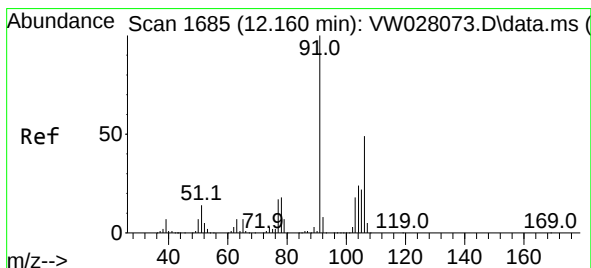
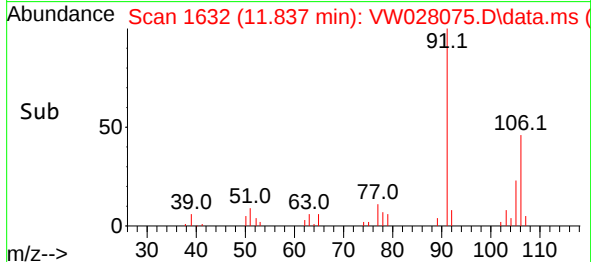
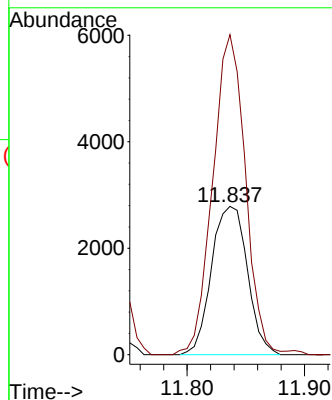
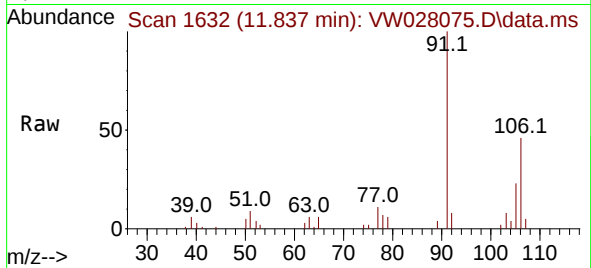
#53
m,p-Xylene
Concen: 1.102 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.006 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-02

Tgt Ion:106 Resp: 590
Ion Ratio Lower Upper
106 100
91 215.8 130.0 241.4

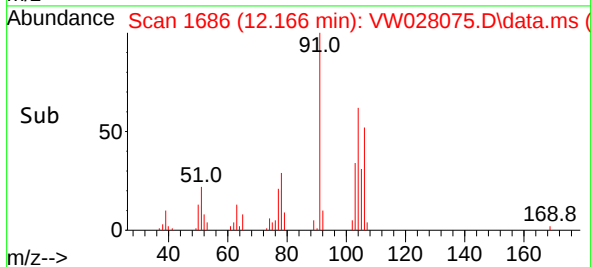
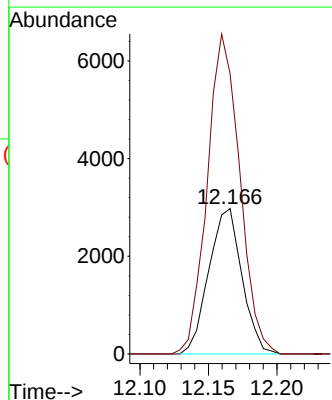
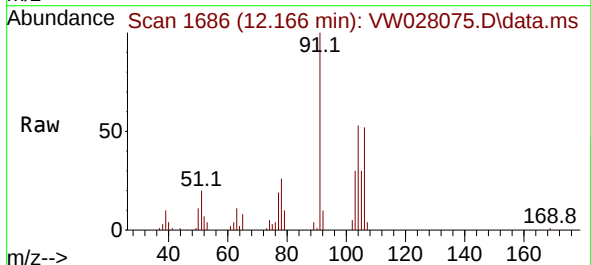
Manual Integrations
APPROVED

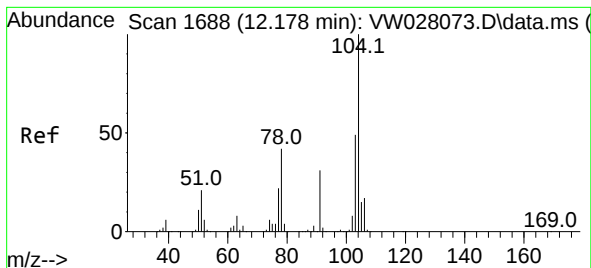
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#54
o-Xylene
Concen: 0.995 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

Tgt Ion:106 Resp: 5002
Ion Ratio Lower Upper
106 100
91 192.6 146.4 272.0





#55

Styrene

Concen: 1.068 ug/L

RT: 12.178 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028075.D

Acq: 28 Feb 2024 13:03

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2024-02

Tgt Ion:104 Resp: 894

Ion Ratio Lower Upper

104 100

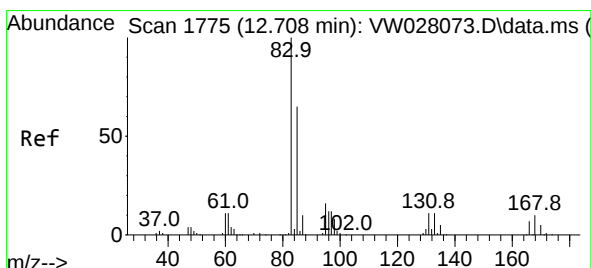
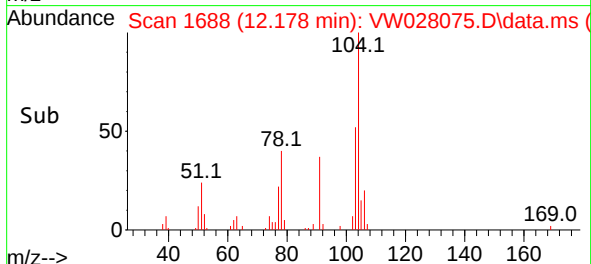
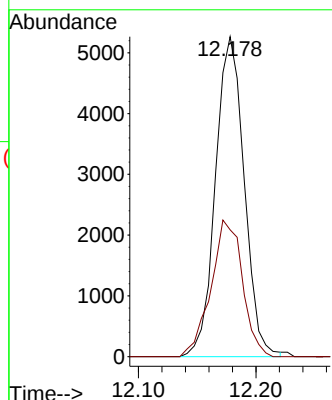
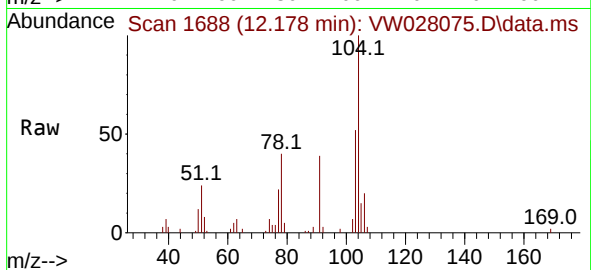
78 39.7 28.3 52.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/29/2024

Supervised By :Mahesh Dadoda 02/29/2024



#57

1,1,2,2-Tetrachloroethane

Concen: 1.508 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VW028075.D

Acq: 28 Feb 2024 13:03

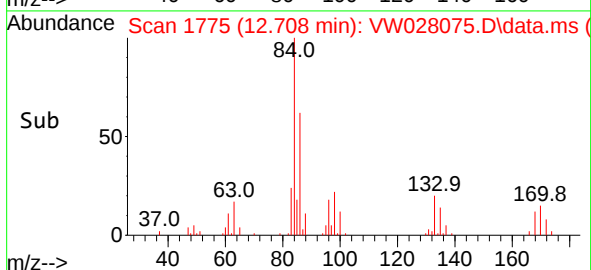
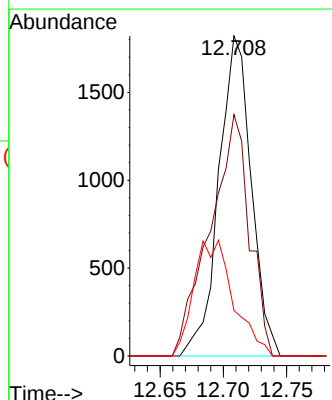
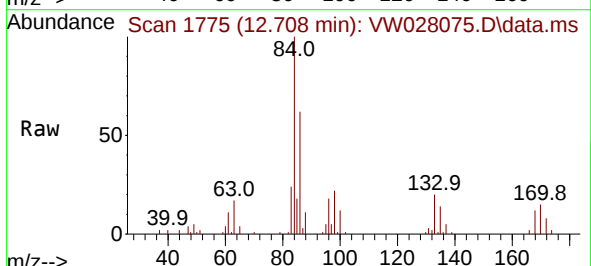
Tgt Ion: 83 Resp: 3247

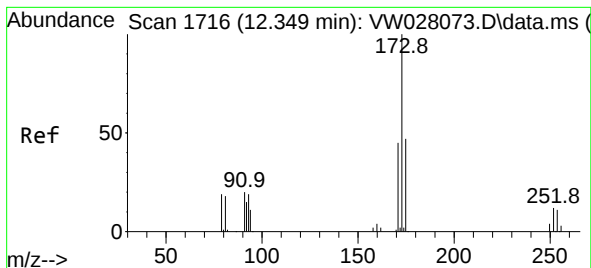
Ion Ratio Lower Upper

83 100

85 75.4 42.9 79.7

131 14.2 8.7 13.1#





#59

Bromoform

Concen: 1.243 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW028075.D

Acq: 28 Feb 2024 13:03

Instrument :

MSVOA_W

ClientSampleId :

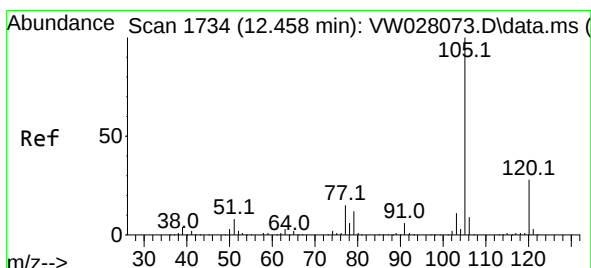
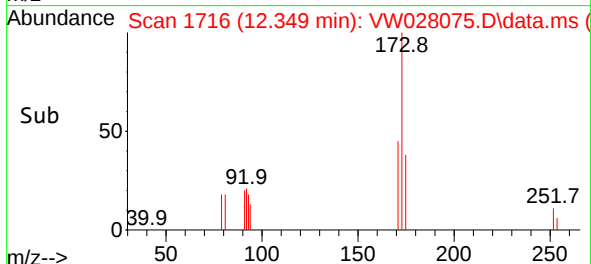
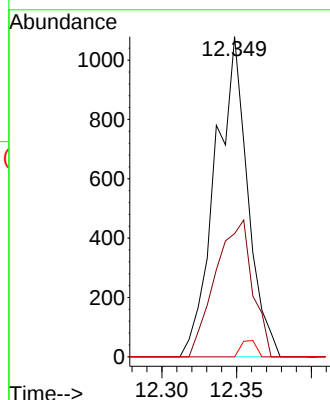
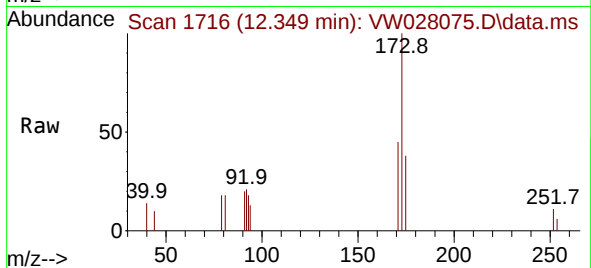
MDL-SOIL-QT1-2024-02

Tgt Ion:	173	Resp:	162
Ion Ratio	Lower	Upper	
173	100		
175	48.9	37.8	56.8
254	2.4	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#60

Isopropylbenzene

Concen: 0.982 ug/L

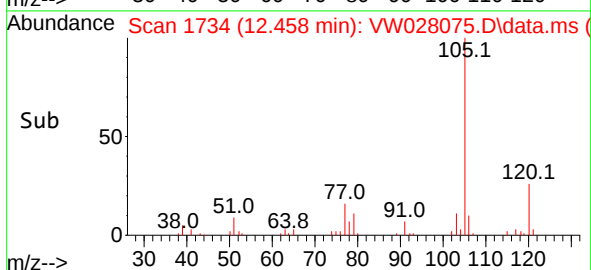
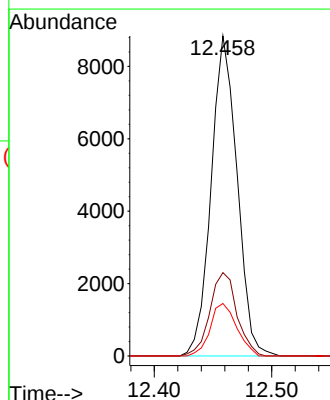
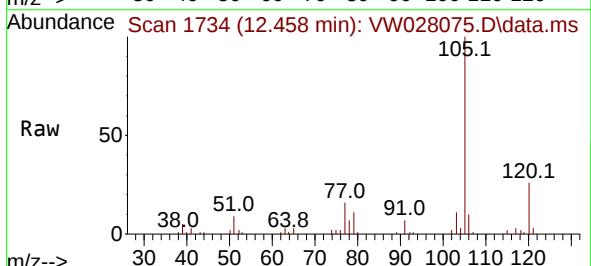
RT: 12.458 min Scan# 1734

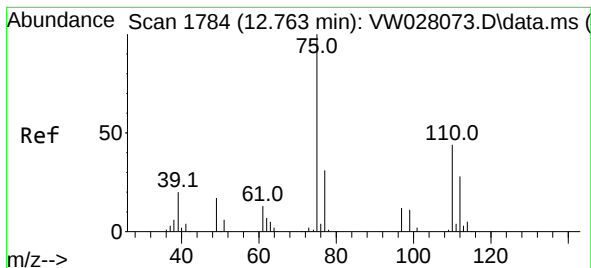
Delta R.T. -0.000 min

Lab File: VW028075.D

Acq: 28 Feb 2024 13:03

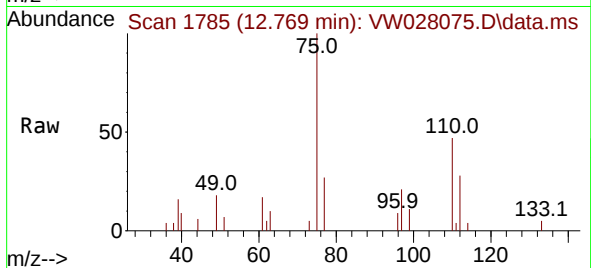
Tgt Ion:	105	Resp:	13572
Ion Ratio	Lower	Upper	
105	100		
120	27.1	22.2	33.2
77	16.8	11.8	17.6





#61
1,2,3-Trichloropropane
Concen: 1.561 ug/L
RT: 12.769 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

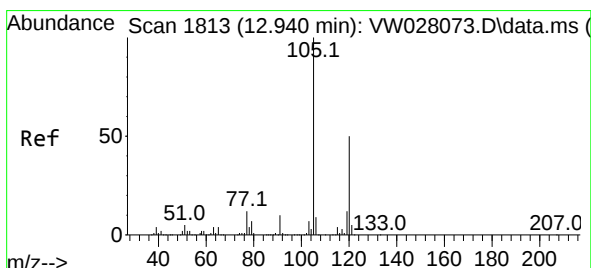
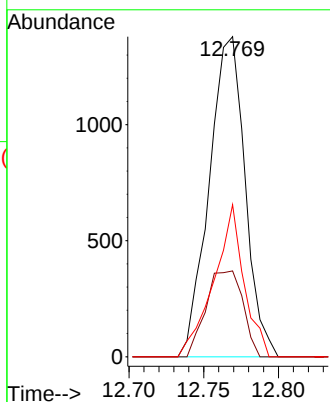
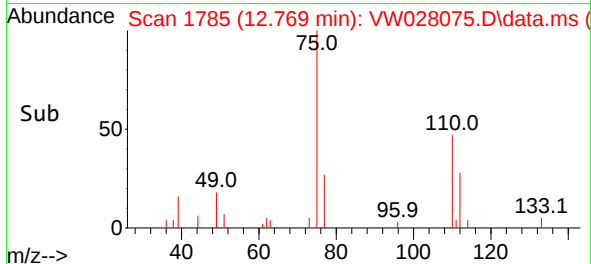
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-02



Tgt Ion: 75 Resp: 2300
Ion Ratio Lower Upper
75 100
77 27.5 26.5 39.7
110 39.8 35.8 53.8

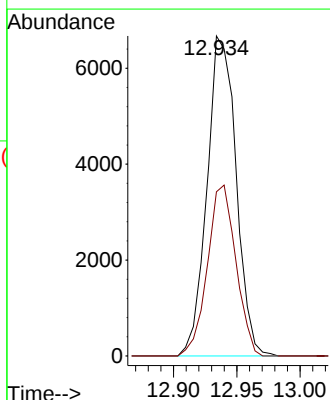
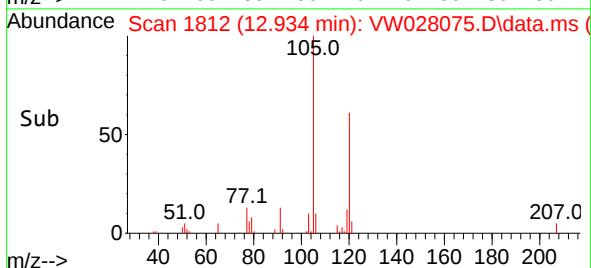
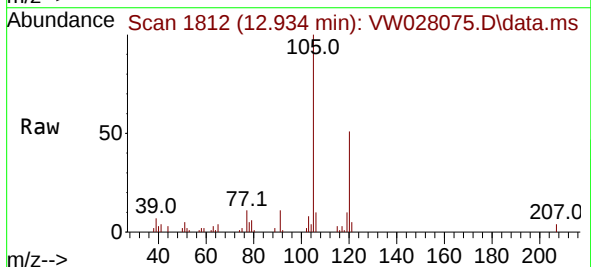
Manual Integrations
APPROVED

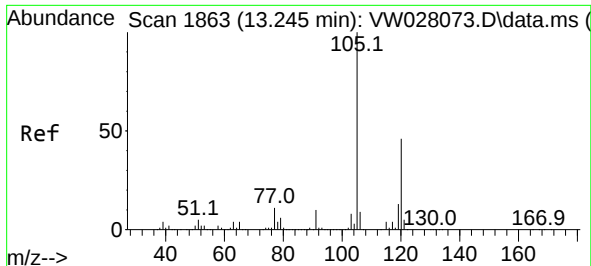
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#62
1,3,5-Trimethylbenzene
Concen: 0.965 ug/L
RT: 12.934 min Scan# 1812
Delta R.T. -0.006 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

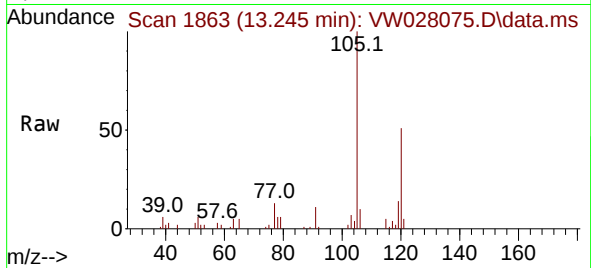
Tgt Ion:105 Resp: 10675
Ion Ratio Lower Upper
105 100
120 52.3 40.3 60.5





#63
1,2,4-Trimethylbenzene
Concen: 0.951 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

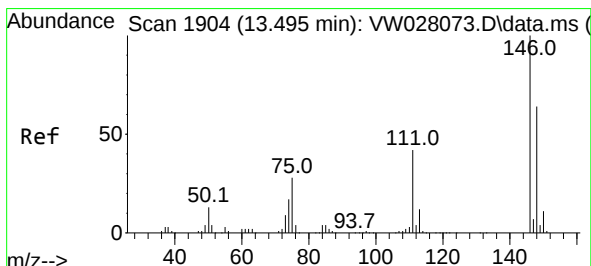
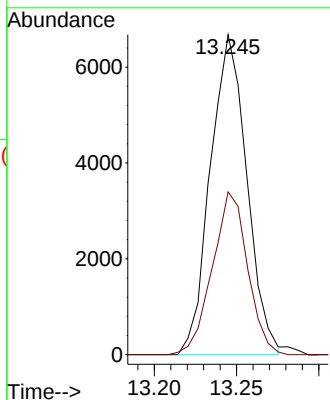
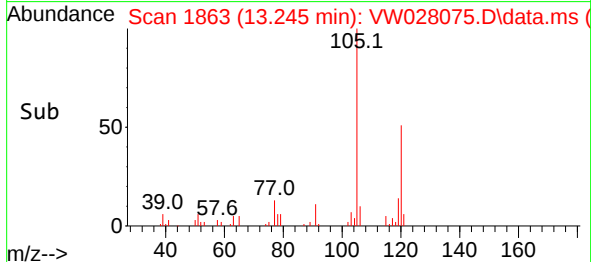
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT1-2024-02



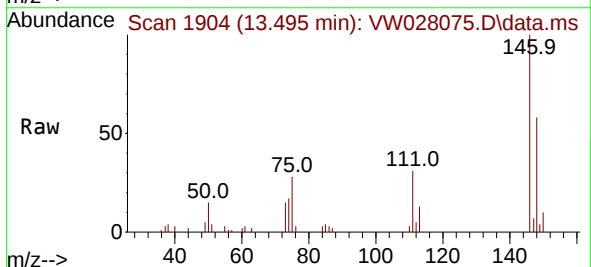
Tgt Ion:105 Resp: 10290
Ion Ratio Lower Upper
105 100
120 49.1 36.4 54.6

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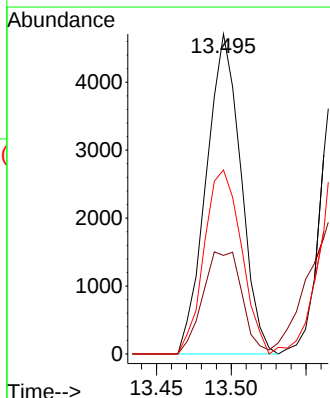
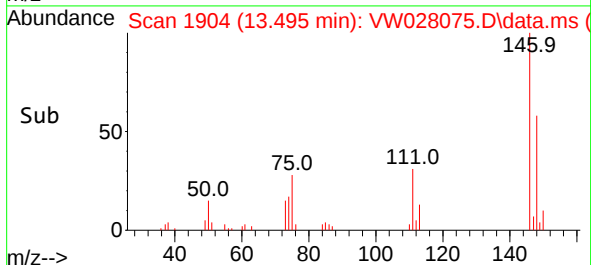
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024

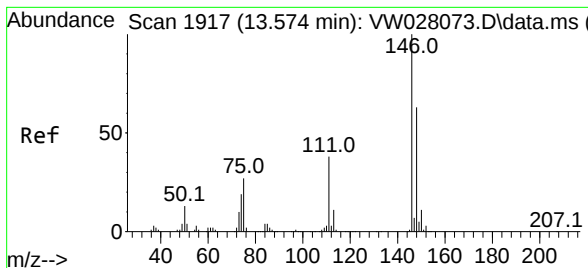


#64
1,3-Dichlorobenzene
Concen: 1.193 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03



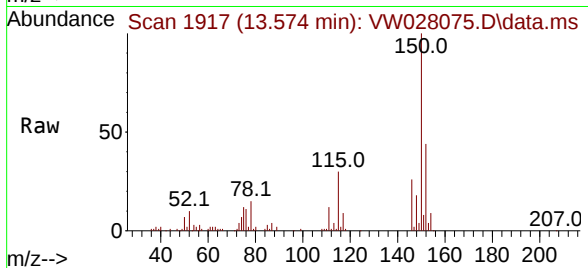
Tgt Ion:146 Resp: 7575
Ion Ratio Lower Upper
146 100
111 30.8 26.9 49.9
148 57.5 41.2 76.6





#65
1,4-Dichlorobenzene
Concen: 1.231 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

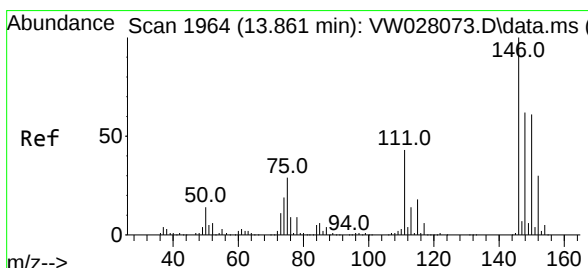
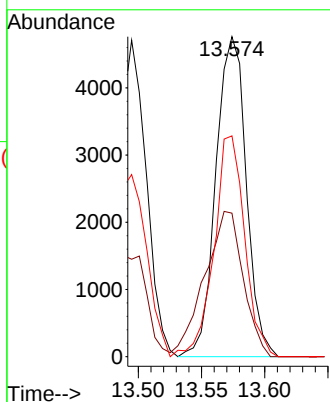
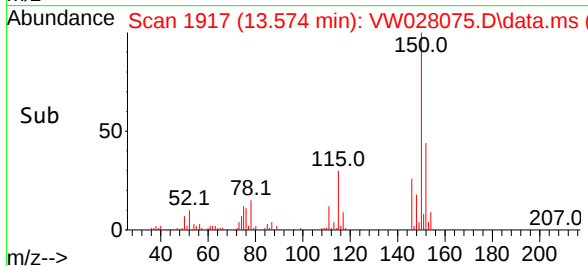
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-02



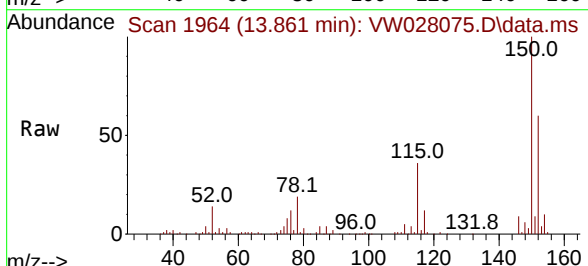
Tgt Ion:146 Resp: 7950
Ion Ratio Lower Upper
146 100
111 44.8 24.1 44.8
148 69.0 43.6 81.0

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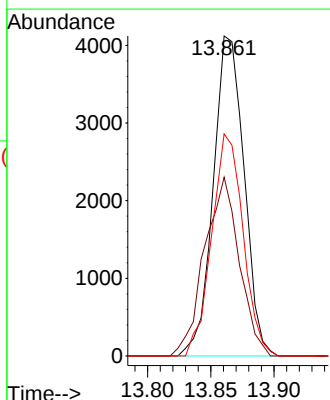
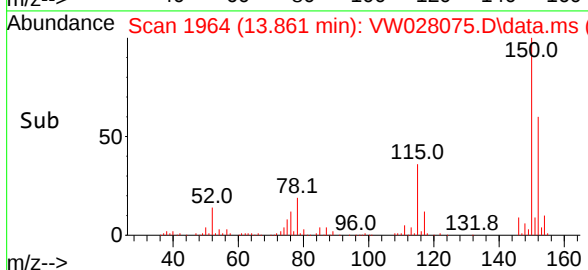
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024

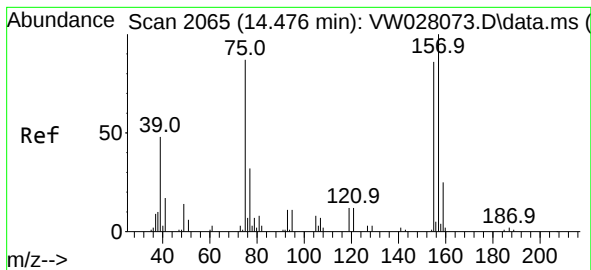


#67
1,2-Dichlorobenzene
Concen: 1.245 ug/L
RT: 13.861 min Scan# 1964
Delta R.T. -0.000 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03



Tgt Ion:146 Resp: 6983
Ion Ratio Lower Upper
146 100
111 55.8 30.6 46.0#
148 69.4 48.6 72.8





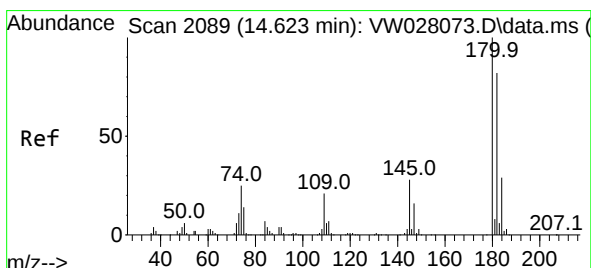
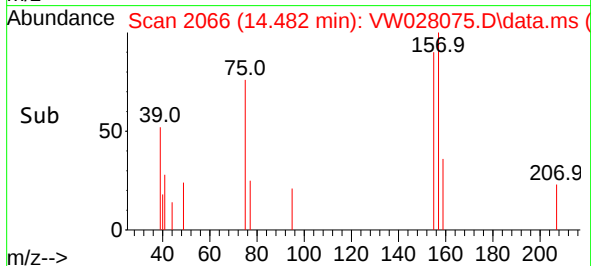
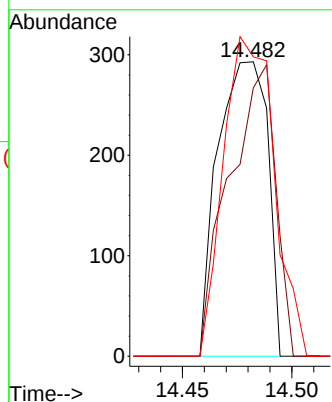
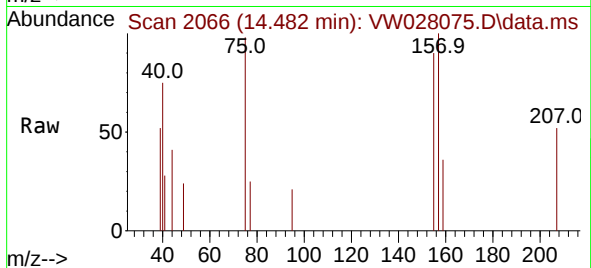
#68
1,2-Dibromo-3-chloropropane
Concen: 1.578 ug/L m
RT: 14.482 min Scan# 2065
Delta R.T. 0.006 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-02

Tgt Ion: 75 Resp: 46
Ion Ratio Lower Upper
75 100
155 91.1 68.7 103.1
157 101.7 96.7 145.1

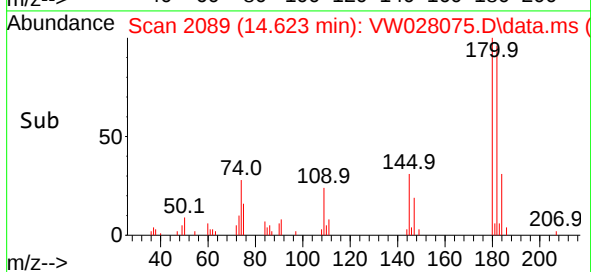
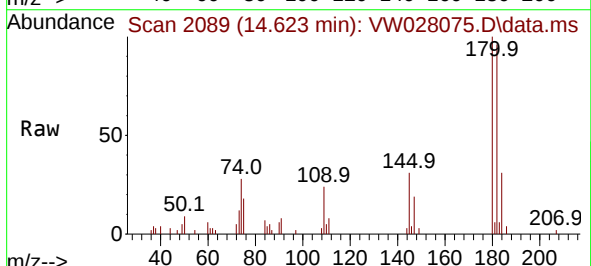
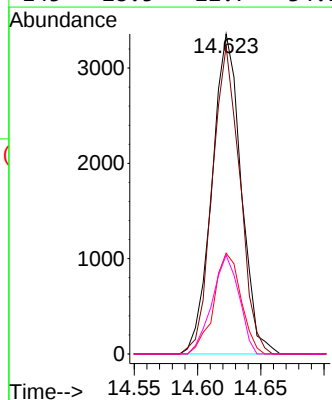
Manual Integrations
APPROVED

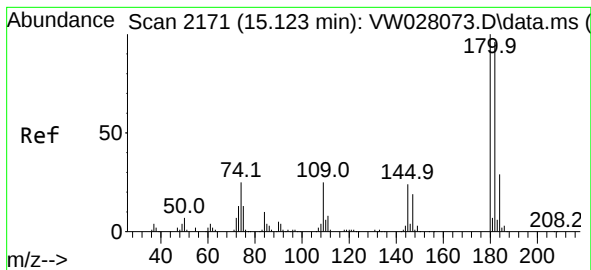
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#69
1,3,5-Trichlorobenzene
Concen: 1.174 ug/L
RT: 14.623 min Scan# 2089
Delta R.T. -0.000 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

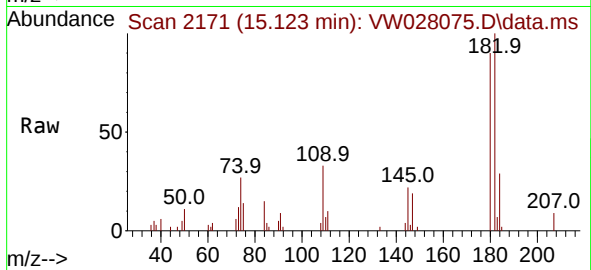
Tgt Ion:180 Resp: 5353
Ion Ratio Lower Upper
180 100
182 91.2 72.1 108.1
184 29.5 24.4 36.6
145 28.5 22.7 34.1





#70
1,2,4-trichlorobenzene
Concen: 1.177 ug/L
RT: 15.123 min Scan# 2171
Delta R.T. -0.000 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

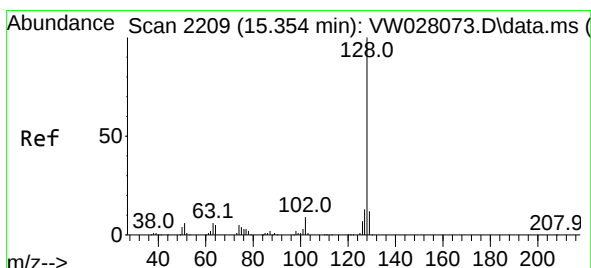
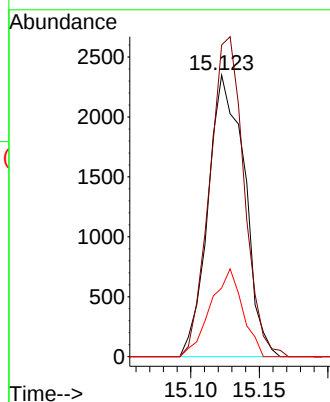
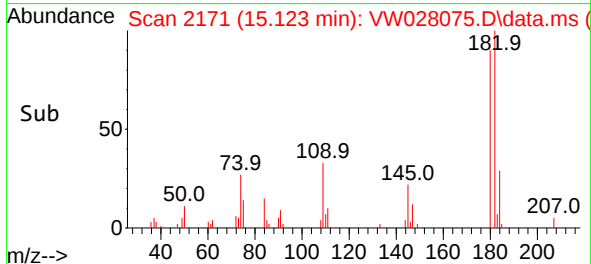
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT1-2024-02



Tgt Ion:180 Resp: 433
Ion Ratio Lower Upper
180 100
182 107.1 77.0 115.6
145 27.5 23.4 35.0

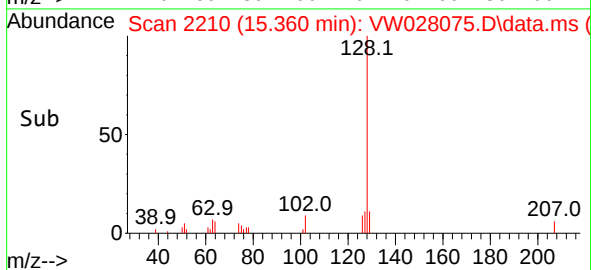
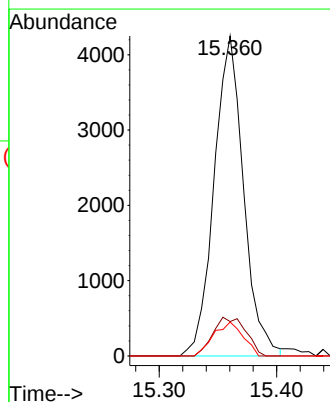
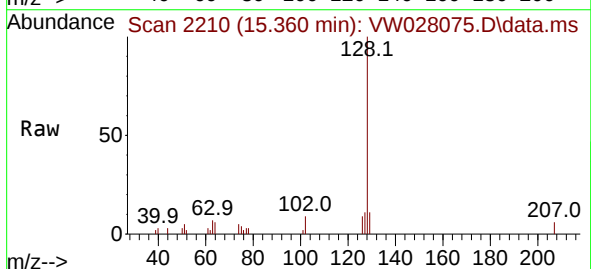
Manual Integrations
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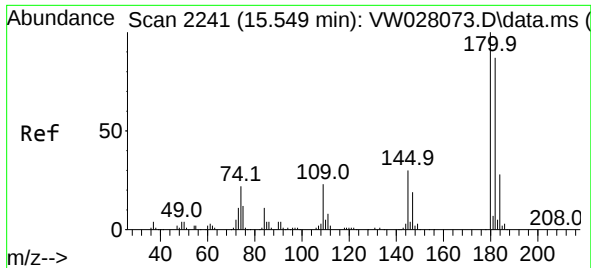
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#71
Naphthalene
Concen: 1.294 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

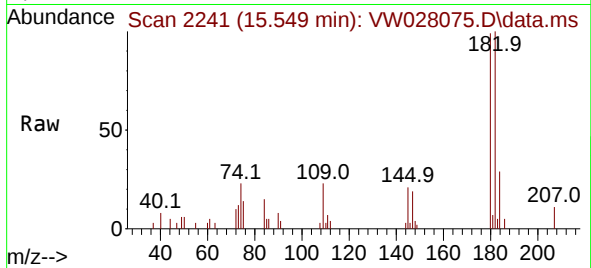
Tgt Ion:128 Resp: 7404
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.4
129 10.6 8.4 12.6





#72
1,2,3-Trichlorobenzene
Concen: 1.223 ug/L
RT: 15.549 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW028075.D
Acq: 28 Feb 2024 13:03

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-02



Tgt Ion:180 Resp: 375
Ion Ratio Lower Upper
180 100
182 99.0 76.5 114.7
145 33.4 25.8 38.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024

