

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012524\
 Data File : VW033869.D
 Acq On : 25 Jan 2024 15:37
 Operator : SY/MD
 Sample : 04696-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2023-07

Quant Time: Jan 26 15:29:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 25 21:12:54 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/26/2024
 Supervised By :Semsettin Yesilyurt 01/26/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	83361	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	80099	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	41300	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	33672	5.216	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.400%
7) Chloroethane-d5	1.532	69	29050	5.137	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.800%
11) 1,1-Dichloroethene-d2	2.060	65	15467	4.968	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.400%
20) 2-Butanone-d5	3.790	46	65140	60.076	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.160%
24) Chloroform-d	4.253	84	59995	5.114	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.200%
26) 1,2-Dichloroethane-d4	4.947	65	31479	5.742	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.800%
32) Benzene-d6	4.963	84	119246	4.962	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
36) 1,2-Dichloropropane-d6	5.992	67	35937	5.350	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.000%
41) Toluene-d8	7.246	98	108760	4.924	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
43) trans-1,3-Dichloroprop...	7.561	79	10587	4.174	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.400%
46) 2-Hexanone-d5	8.024	63	54330	60.000	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.000%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	23475	5.764	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.200%
66) 1,2-Dichlorobenzene-d4	11.561	152	39855	5.306	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	1739	0.228	ug/L #	88
3) Chloromethane	1.217	50	2654	0.318	ug/L	93
5) Vinyl chloride	1.285	62	2255	0.283	ug/L #	1
6) Bromomethane	1.487	94	951	0.227	ug/L	87
9) Trichlorofluoromethane	1.716	101	2657	0.232	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	1934	0.322	ug/L #	75
12) 1,1-Dichloroethene	2.069	96	1626	0.279	ug/L #	1
13) Acetone	2.114	43	3367	4.093	ug/L #	46
14) Carbon disulfide	2.246	76	5714	0.303	ug/L	100
15) Methyl Acetate	2.384	43	565m	0.290	ug/L	
16) Methylene chloride	2.452	84	1265	0.226	ug/L	98
17) Methyl tert-butyl Ether	2.703	73	2943	0.246	ug/L #	91
18) trans-1,2-Dichloroethene	2.700	96	1326	0.224	ug/L	97
19) 1,1-Dichloroethane	3.114	63	2346	0.215	ug/L #	85
21) 2-Butanone	3.934	43	3344m	3.076	ug/L	
22) cis-1,2-Dichloroethene	3.818	96	2298	0.341	ug/L	93
23) Bromochloromethane	4.166	128	445	0.190	ug/L #	76
27) 1,2-Dichloroethane	5.066	62	1371	0.217	ug/L #	76
29) 1,1,1-Trichloroethane	4.519	97	2054	0.191	ug/L #	84

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Reviewed By :Mahesh Dadoda 01/26/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Cyclohexane	4.584	56	2498	0.239	ug/L #	60
31) Carbon tetrachloride	4.741	117	1976	0.210	ug/L	93
33) Benzene	5.021	78	5131	0.214	ug/L	100
34) Trichloroethene	5.844	95	1823	0.262	ug/L	86
35) Methylcyclohexane	6.053	83	2151	0.197	ug/L	87
37) 1,2-Dichloropropane	6.108	63	1293	0.222	ug/L #	87
38) Bromodichloromethane	6.449	83	1477	0.193	ug/L #	86
39) cis-1,3-Dichloropropene	6.982	75	1581	0.179	ug/L	99
40) 4-Methyl-2-pentanone	7.172	43	5857	2.102	ug/L #	89
42) Toluene	7.326	91	5656	0.220	ug/L	94
44) trans-1,3-Dichloropropene	7.603	75	1386	0.204	ug/L	92
45) 1,1,2-Trichloroethane	7.789	97	767	0.213	ug/L #	66
47) Tetrachloroethene	7.915	164	1974	0.349	ug/L	89
48) 2-Hexanone	8.088	43	7257	3.694	ug/L #	84
49) Dibromochloromethane	8.185	129	833	0.195	ug/L	89
50) 1,2-Dibromoethane	8.301	107	725	0.225	ug/L #	78
51) Chlorobenzene	8.822	112	3703	0.228	ug/L	93
52) Ethylbenzene	8.953	91	6650	0.225	ug/L	97
53) m,p-Xylene	9.082	106	2403	0.215	ug/L	85
54) o-Xylene	9.484	106	2102	0.195	ug/L	98
55) Styrene	9.510	104	3004	0.174	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.185	83	1138	0.300	ug/L #	93
60) Isopropylbenzene	9.870	105	6848	0.224	ug/L	93
61) 1,2,3-Trichloropropane	10.217	75	645	0.227	ug/L #	79
62) 1,3,5-Trimethylbenzene	10.481	105	5515	0.213	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	5396	0.215	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	3016	0.226	ug/L	94
65) 1,4-Dichlorobenzene	11.214	146	3299	0.250	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	2715	0.237	ug/L #	85
69) 1,3,5-Trichlorobenzene	12.587	180	2269	0.220	ug/L	97
70) 1,2,4-trichlorobenzene	13.204	180	1840	0.229	ug/L	96
71) Naphthalene	13.448	128	3010	0.285	ug/L #	94
72) 1,2,3-Trichlorobenzene	13.686	180	1449	0.225	ug/L	89

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

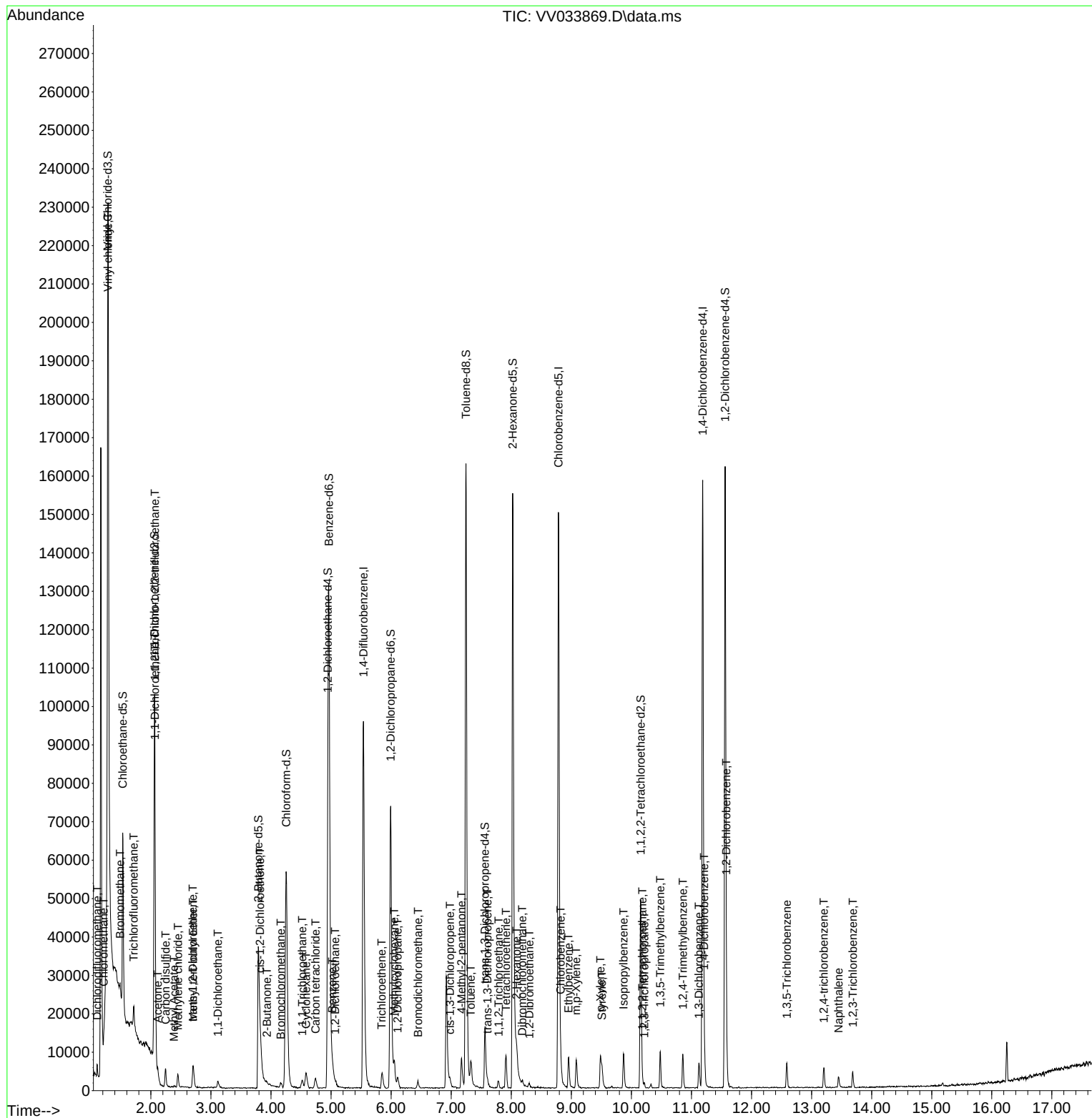
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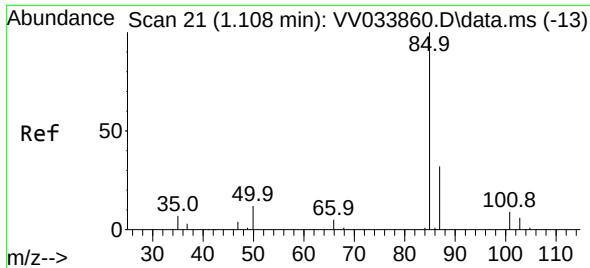
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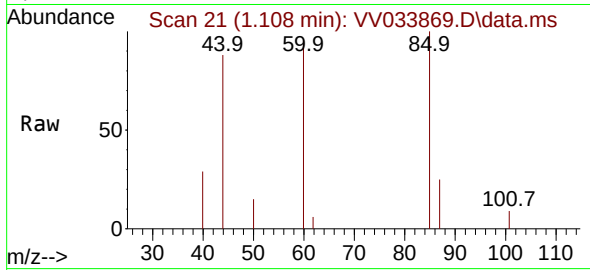
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024





#2
Dichlorodifluoromethane
Concen: 0.228 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37

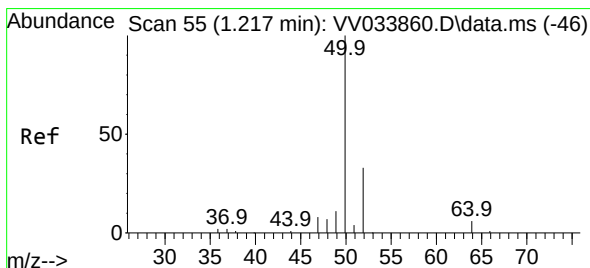
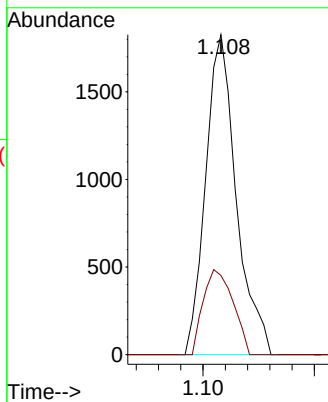
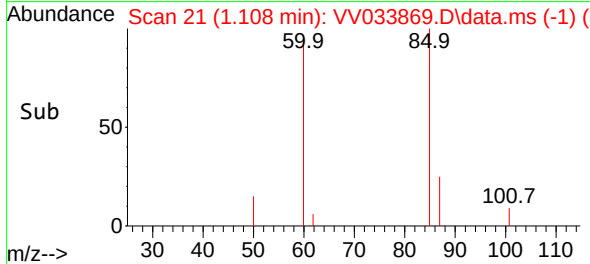
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion: 85 Resp: 1739
Ion Ratio Lower Upper
85 100
87 25.9 26.2 39.4

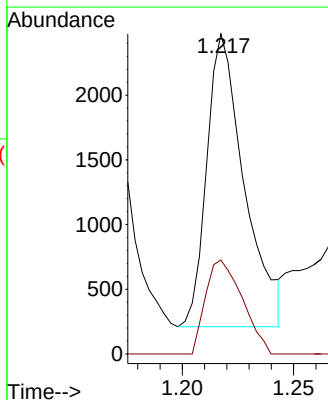
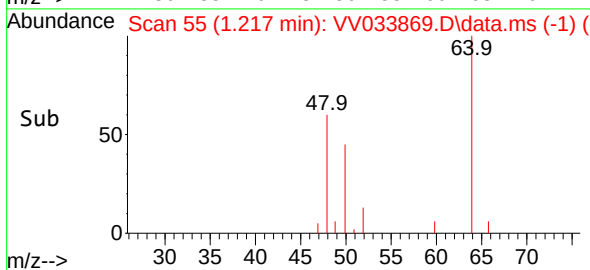
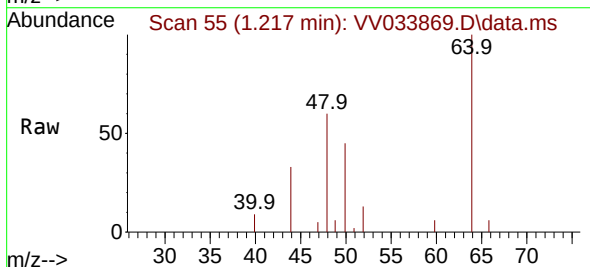
Manual Integrations
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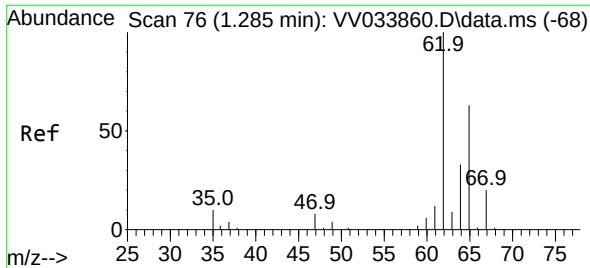
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024



#3
Chloromethane
Concen: 0.318 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37

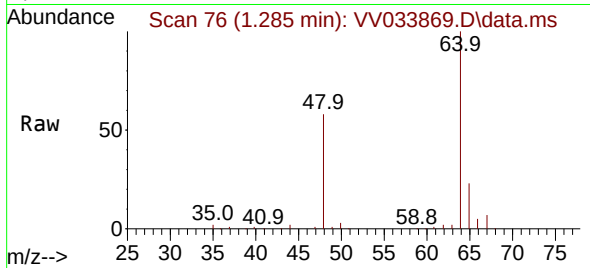
Tgt Ion: 50 Resp: 2654
Ion Ratio Lower Upper
50 100
52 29.4 23.4 43.4





#5
 Vinyl chloride
 Concen: 0.283 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV033869.D
 Acq: 25 Jan 2024 15:37

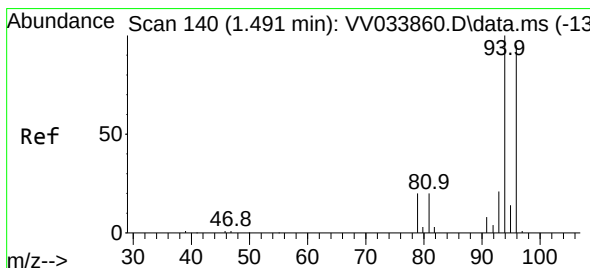
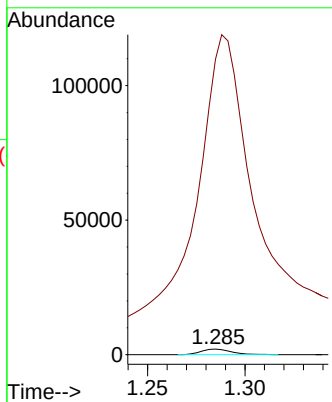
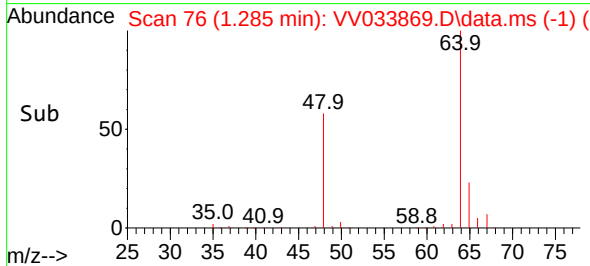
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2023-07



Tgt Ion: 62 Resp: 225
 Ion Ratio Lower Upper
 62 100
 64 5190.7 27.2 50.4

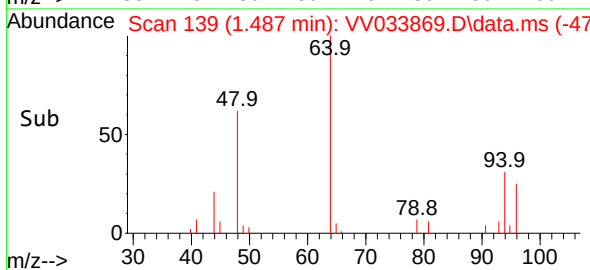
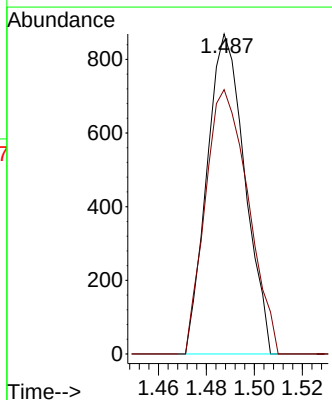
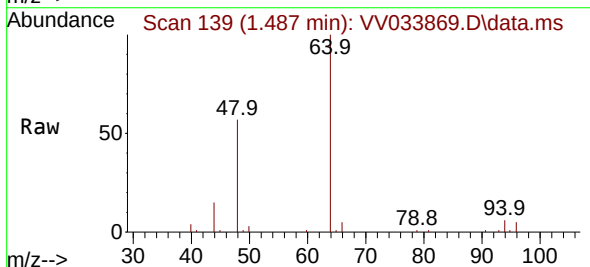
Manual Integrations
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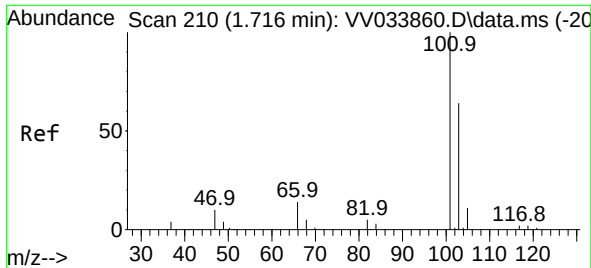
Reviewed By :Mahesh Dadoda 01/26/2024
 Supervised By :Semsettin Yesilyurt 01/26/2024



#6
 Bromomethane
 Concen: 0.227 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.003 min
 Lab File: VV033869.D
 Acq: 25 Jan 2024 15:37

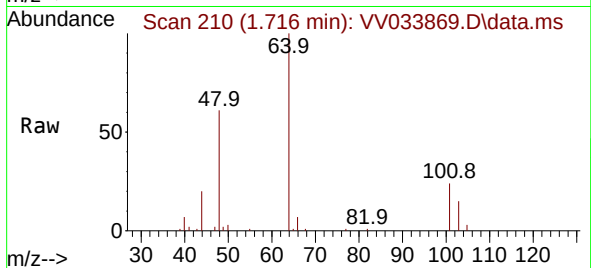
Tgt Ion: 94 Resp: 951
 Ion Ratio Lower Upper
 94 100
 96 82.6 66.6 123.8





#9
Trichlorofluoromethane
Concen: 0.232 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37

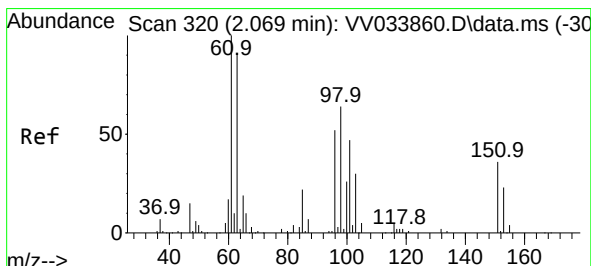
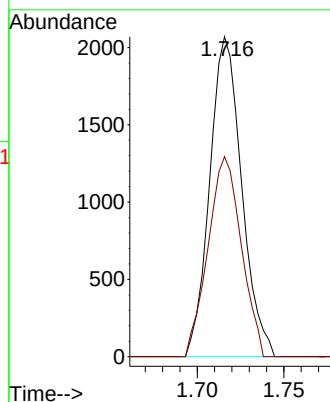
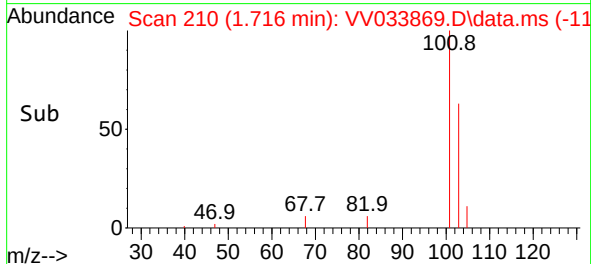
Instrument :
MSVOA_V
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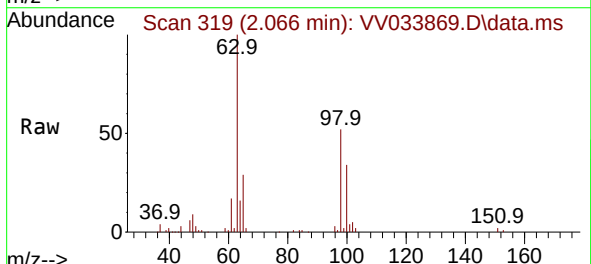
Tgt Ion:101 Resp: 265
Ion Ratio Lower Upper
101 100
103 64.9 51.0 76.4

Manual Integrations
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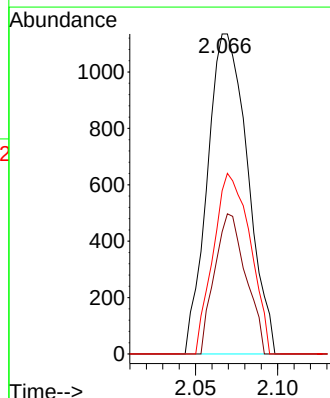
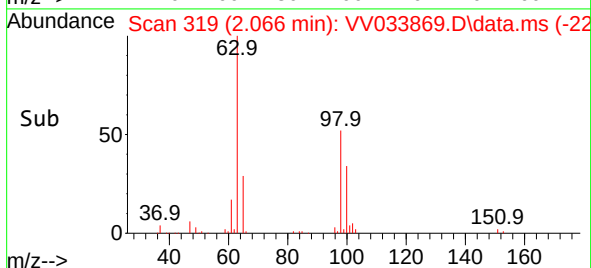
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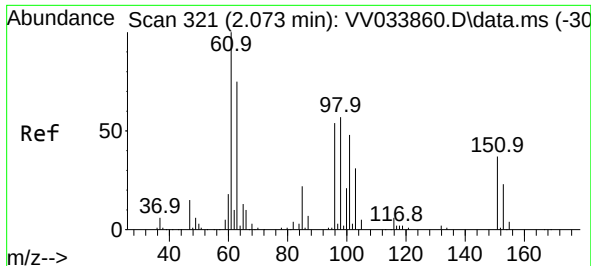


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.322 ug/L
RT: 2.066 min Scan# 319
Delta R.T. -0.003 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37



Tgt Ion:101 Resp: 1934
Ion Ratio Lower Upper
101 100
85 34.0 37.1 55.7#
151 51.8 61.7 92.5#





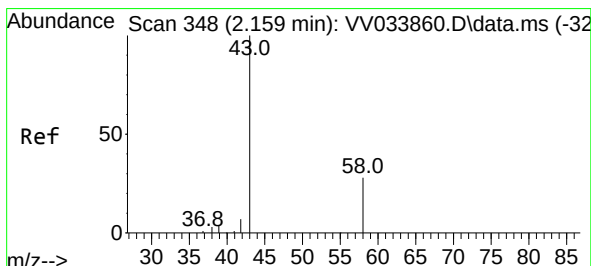
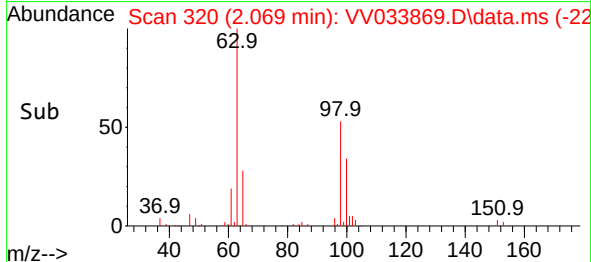
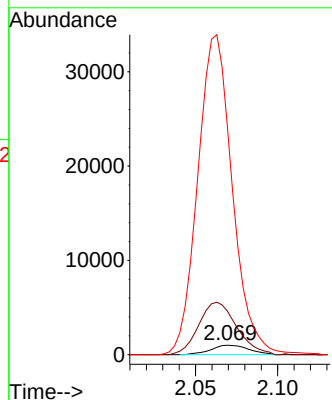
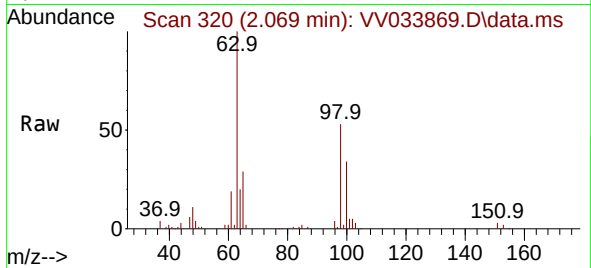
#12
1,1-Dichloroethene
Concen: 0.279 ug/L
RT: 2.069 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37

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ClientSampleId :
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Tgt Ion: 96 Resp: 1620
Ion Ratio Lower Upper
96 100
61 458.6 128.8 239.2
63 2406.4 97.9 181.9

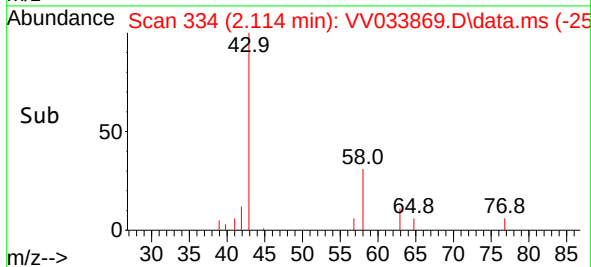
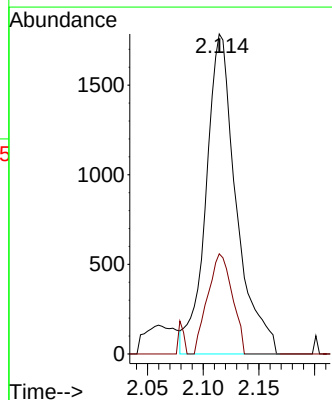
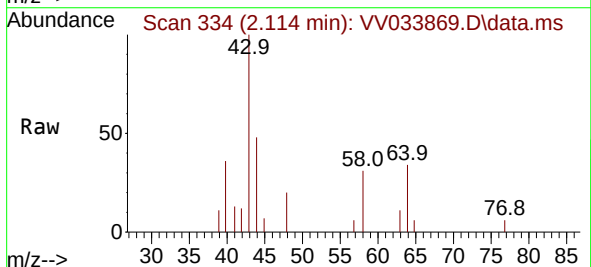
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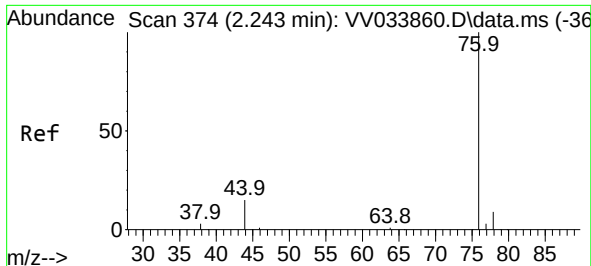
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024



#13
Acetone
Concen: 4.093 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.045 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37

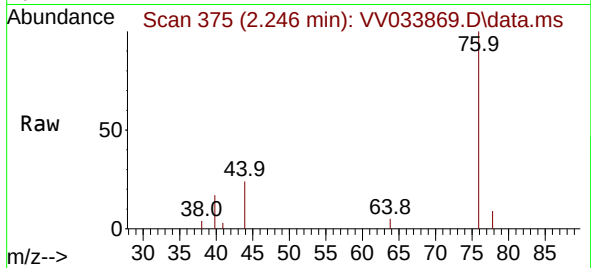
Tgt Ion: 43 Resp: 3367
Ion Ratio Lower Upper
43 100
58 25.5 0.0 13.8#





#14
Carbon disulfide
Concen: 0.303 ug/L
RT: 2.246 min Scan# 314
Delta R.T. 0.003 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37

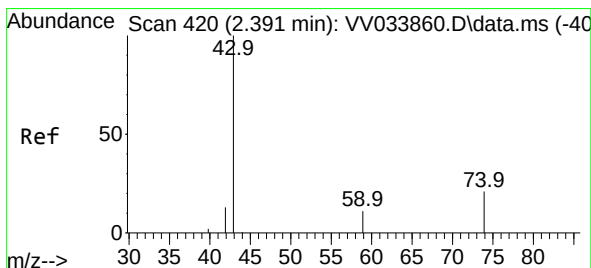
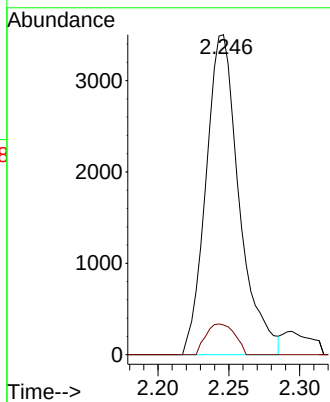
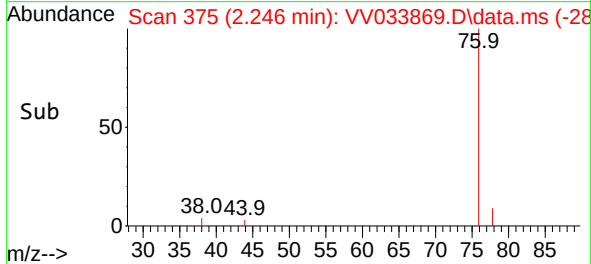
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Tgt Ion: 76 Resp: 5714
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3

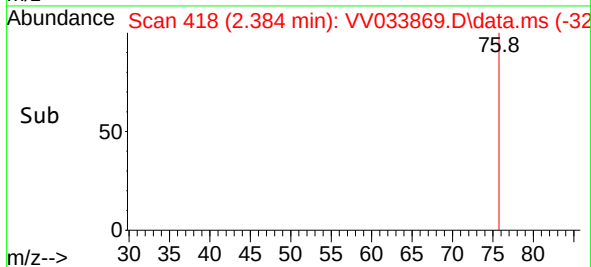
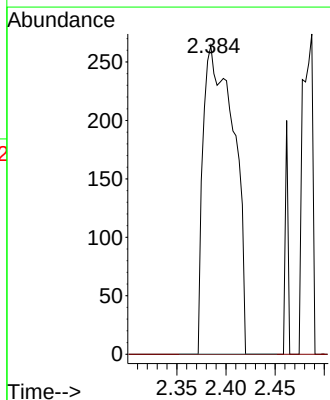
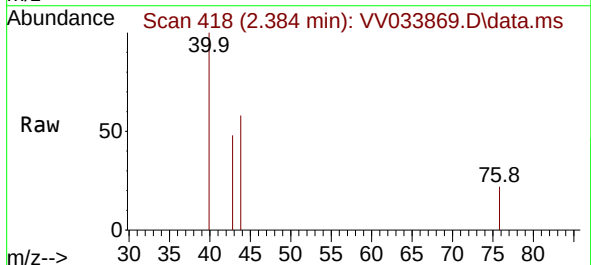
Manual Integrations
APPROVED

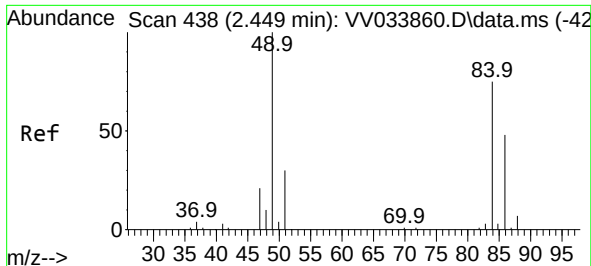
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024



#15
Methyl Acetate
Concen: 0.290 ug/L m
RT: 2.384 min Scan# 418
Delta R.T. -0.006 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37

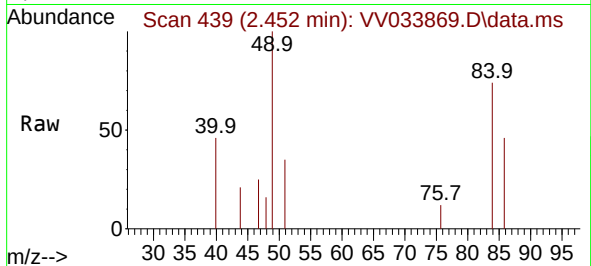
Tgt Ion: 43 Resp: 565
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.4#





#16
Methylene chloride
Concen: 0.226 ug/L
RT: 2.452 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37

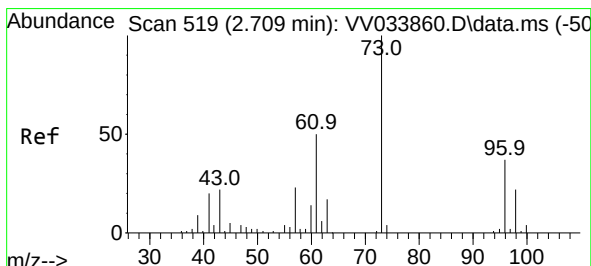
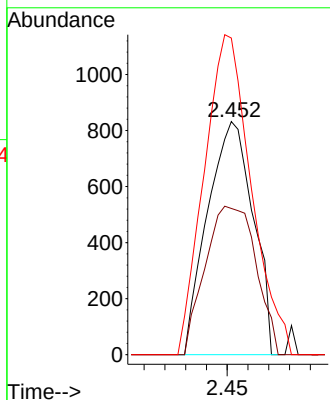
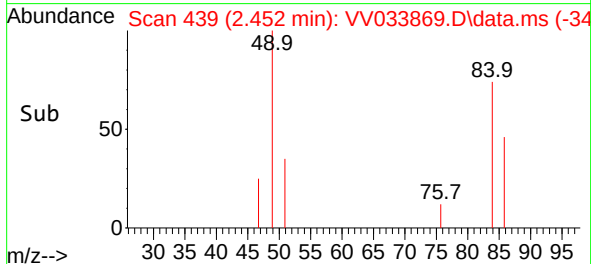
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion: 84 Resp: 126
Ion Ratio Lower Upper
84 100
86 62.7 44.7 83.1
49 135.8 93.7 173.9

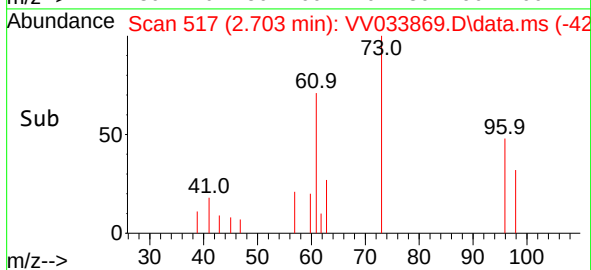
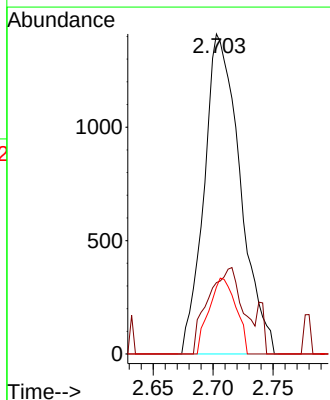
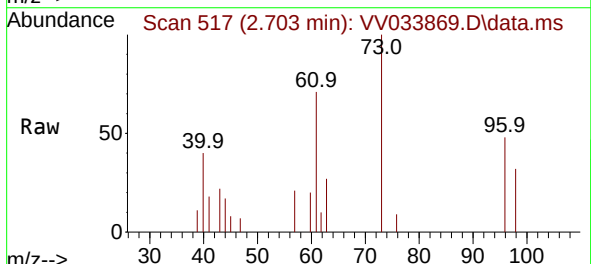
Manual Integrations
APPROVED

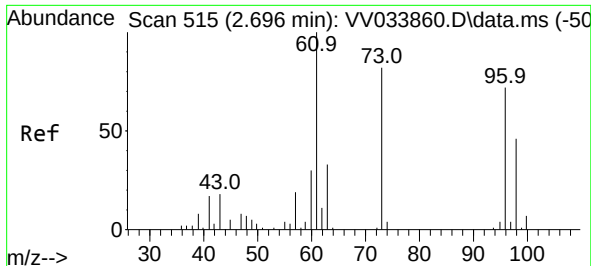
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024



#17
Methyl tert-butyl Ether
Concen: 0.246 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.006 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37

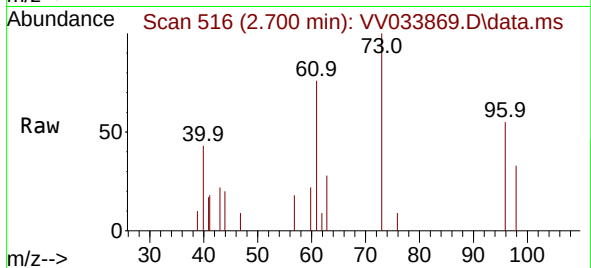
Tgt Ion: 73 Resp: 2943
Ion Ratio Lower Upper
73 100
43 26.1 17.7 26.5
57 17.8 17.9 26.9#





#18
trans-1,2-Dichloroethene
Concen: 0.224 ug/L
RT: 2.700 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37

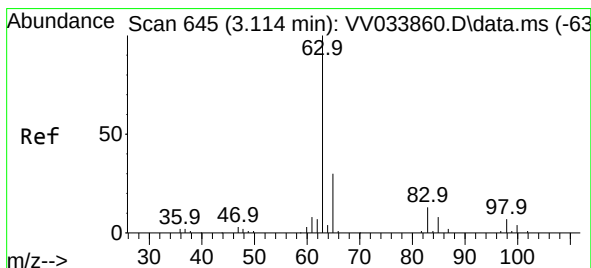
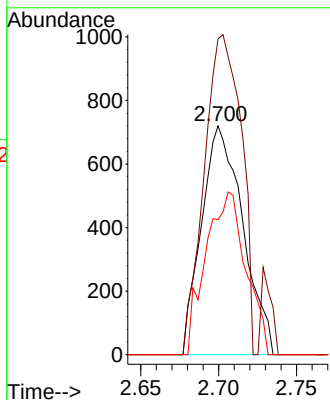
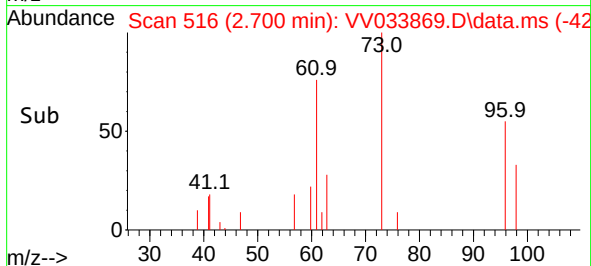
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion: 96 Resp: 1320
Ion Ratio Lower Upper
96 100
61 138.1 97.6 181.4
98 59.0 44.4 82.5

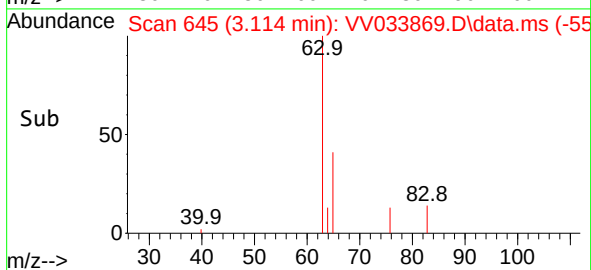
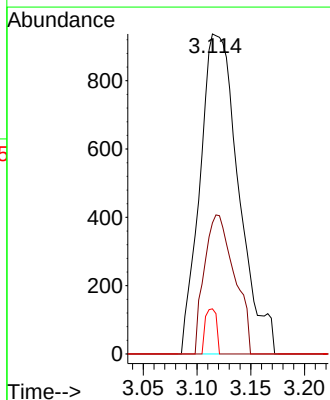
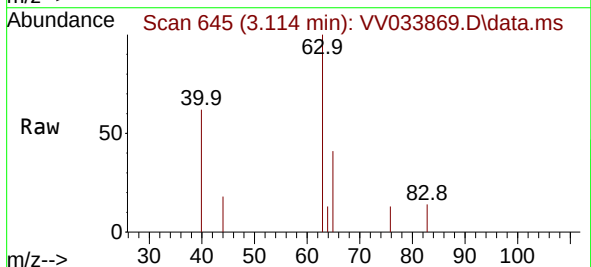
Manual Integrations
APPROVED

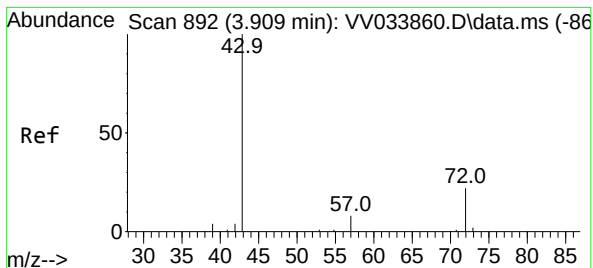
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024



#19
1,1-Dichloroethane
Concen: 0.215 ug/L
RT: 3.114 min Scan# 645
Delta R.T. 0.000 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37

Tgt Ion: 63 Resp: 2346
Ion Ratio Lower Upper
63 100
65 41.0 20.8 38.6#
83 14.1 9.4 17.4





#21

2-Butanone

Concen: 3.076 ug/L m

RT: 3.934 min Scan# 900

Delta R.T. 0.026 min

Lab File: VV033869.D

Acq: 25 Jan 2024 15:37

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-07

Tgt Ion: 43 Resp: 334

Ion Ratio Lower Upper

43 100

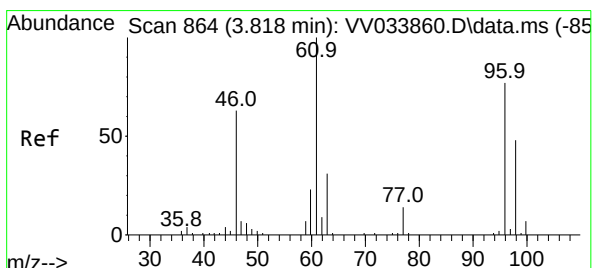
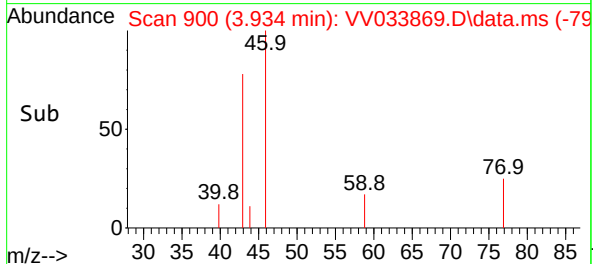
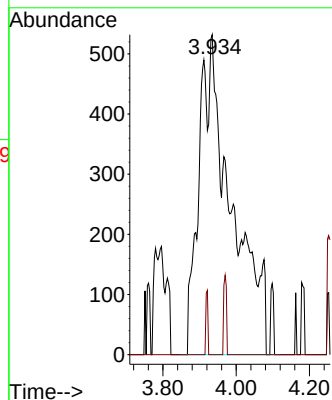
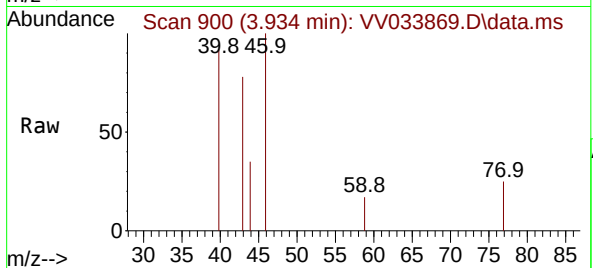
72 1.2 4.0 11.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/26/2024

Supervised By :Semsettin Yesilyurt 01/26/2024



#22

cis-1,2-Dichloroethene

Concen: 0.341 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.000 min

Lab File: VV033869.D

Acq: 25 Jan 2024 15:37

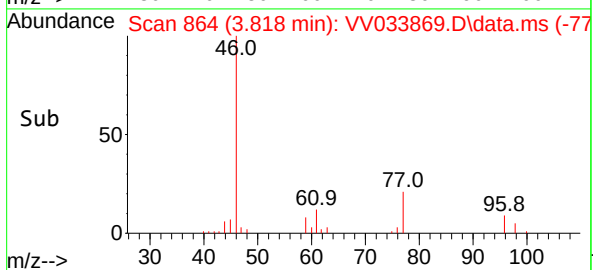
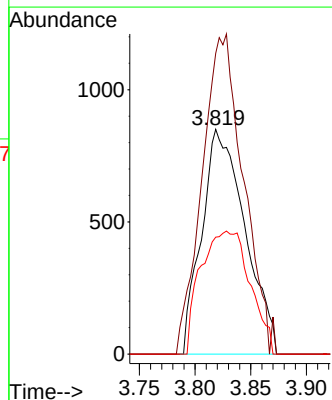
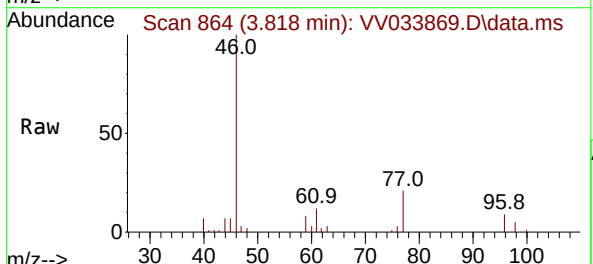
Tgt Ion: 96 Resp: 2298

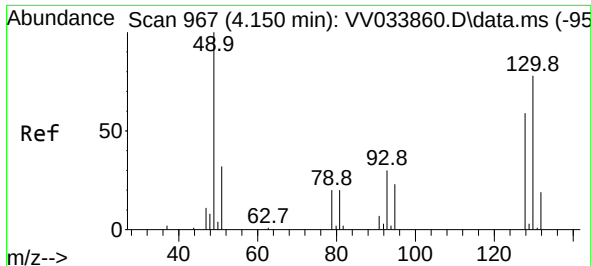
Ion Ratio Lower Upper

96 100

61 133.9 90.3 167.7

98 52.0 43.2 80.2





#23

Bromochloromethane

Concen: 0.190 ug/L

RT: 4.166 min Scan# 91

Delta R.T. 0.016 min

Lab File: VV033869.D

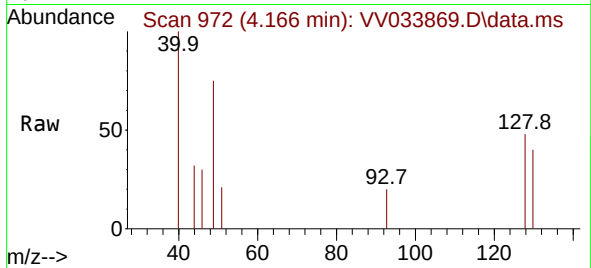
Acq: 25 Jan 2024 15:37

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-07



Tgt Ion:128 Resp: 44

Ion Ratio Lower Upper

128 100

49 154.7 120.5 223.7

130 82.6 93.4 173.4

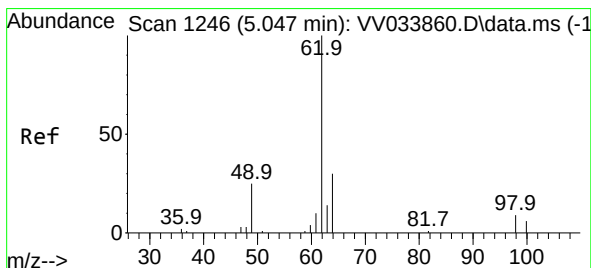
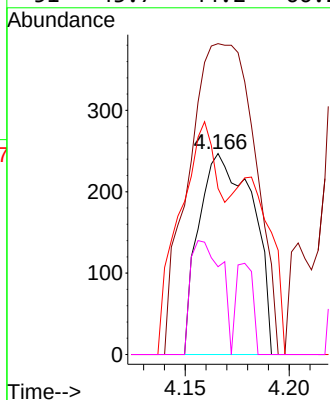
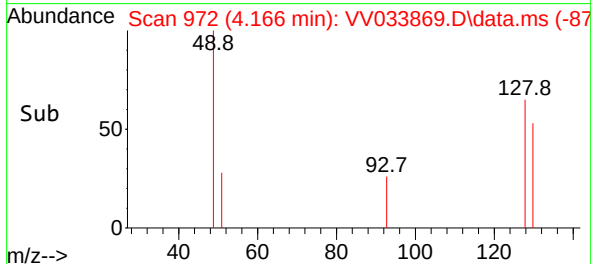
51 43.7 44.2 66.2#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/26/2024

Supervised By :Semsettin Yesilyurt 01/26/2024



#27

1,2-Dichloroethane

Concen: 0.217 ug/L

RT: 5.066 min Scan# 1252

Delta R.T. 0.019 min

Lab File: VV033869.D

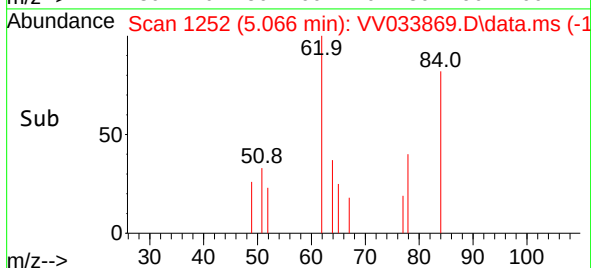
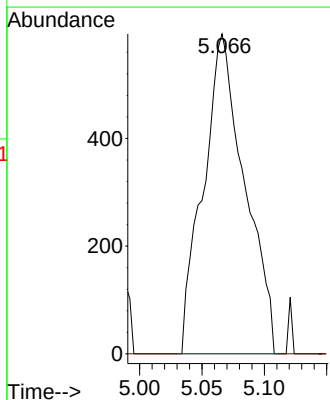
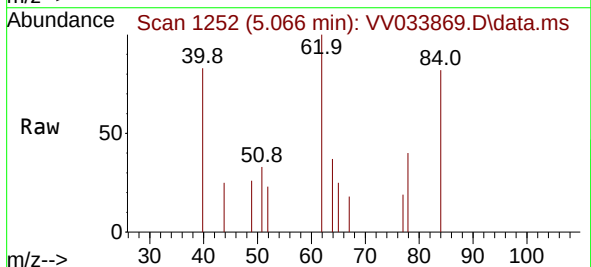
Acq: 25 Jan 2024 15:37

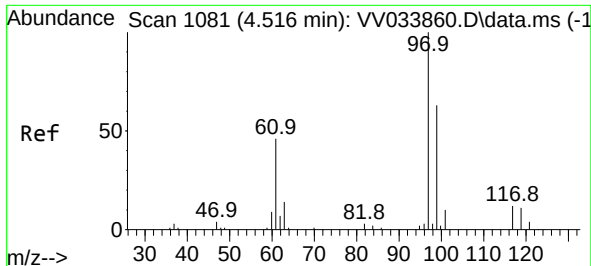
Tgt Ion: 62 Resp: 1371

Ion Ratio Lower Upper

62 100

98 0.0 6.9 10.3#





#29

1,1,1-Trichloroethane

Concen: 0.191 ug/L

RT: 4.519 min Scan# 1081

Delta R.T. 0.003 min

Lab File: VV033869.D

Acq: 25 Jan 2024 15:37

Instrument :

MSVOA_V

ClientSampleId :

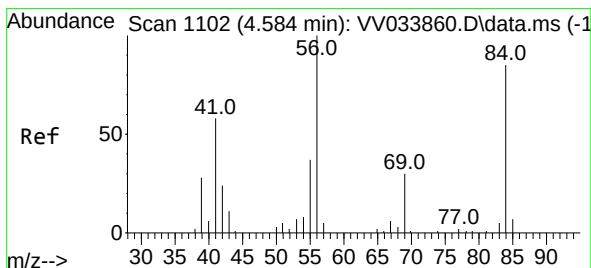
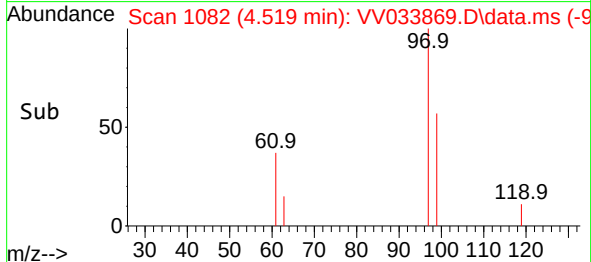
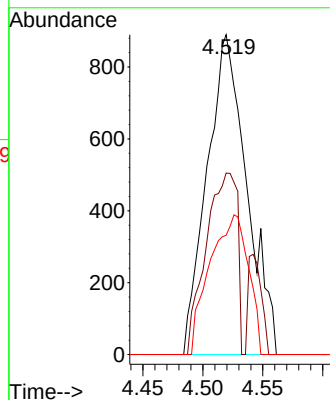
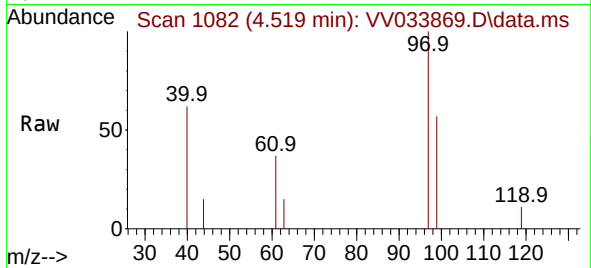
MDL-WATER-QT4-2023-07

Tgt Ion:	97	Resp:	2054
Ion	Ratio	Lower	Upper
97	100		
99	44.5	50.6	75.8
61	42.4	36.8	55.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024



#30

Cyclohexane

Concen: 0.239 ug/L

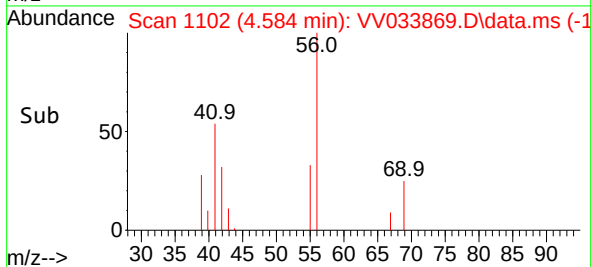
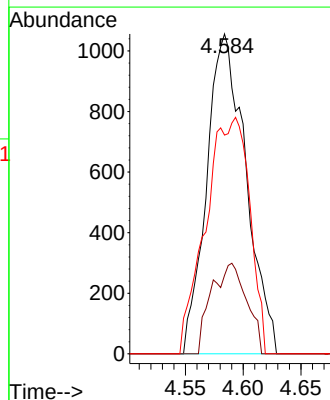
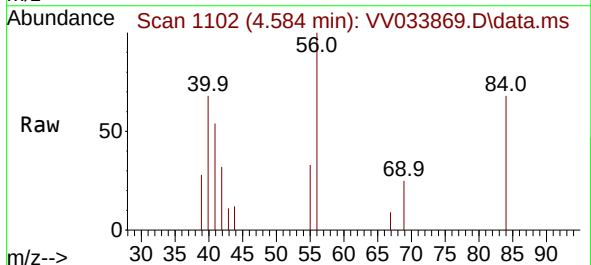
RT: 4.584 min Scan# 1102

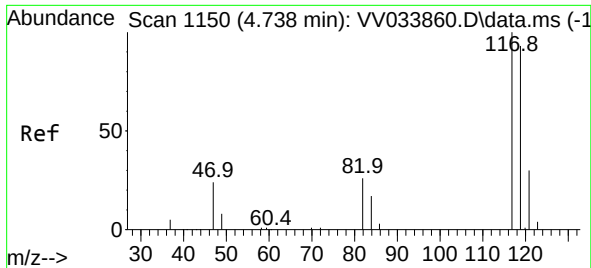
Delta R.T. 0.000 min

Lab File: VV033869.D

Acq: 25 Jan 2024 15:37

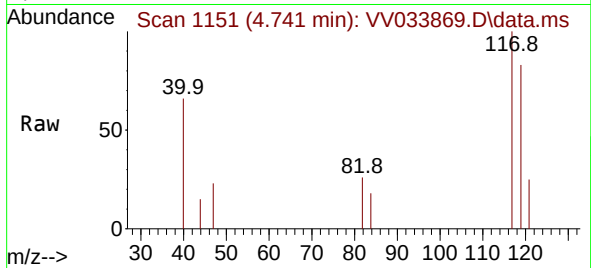
Tgt Ion:	56	Resp:	2498
Ion	Ratio	Lower	Upper
56	100		
69	25.4	24.2	36.2
84	40.0	70.0	105.0





#31
Carbon tetrachloride
Concen: 0.210 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. 0.003 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37

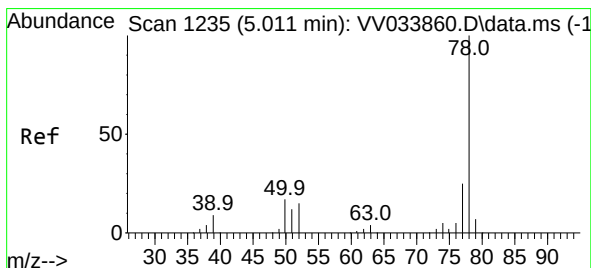
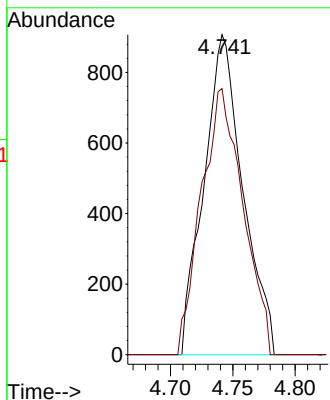
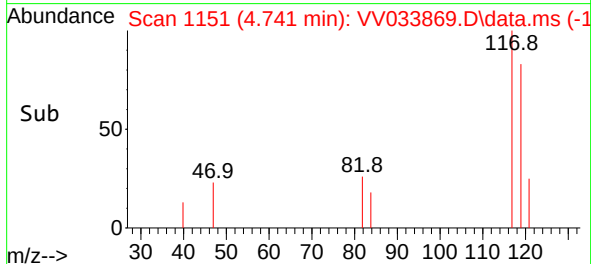
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion:117 Resp: 1970
Ion Ratio Lower Upper
117 100
119 88.8 76.1 114.1

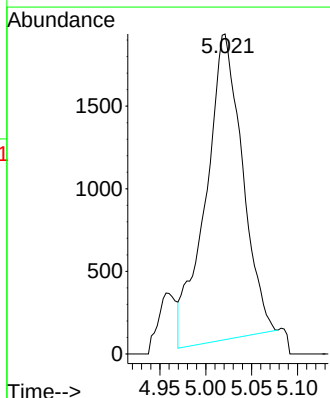
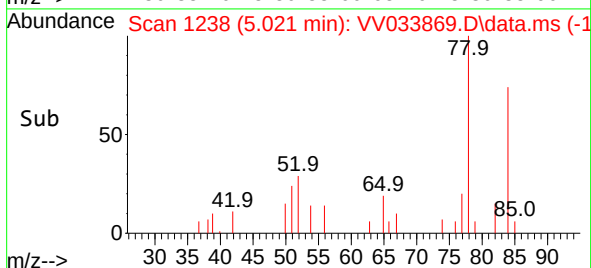
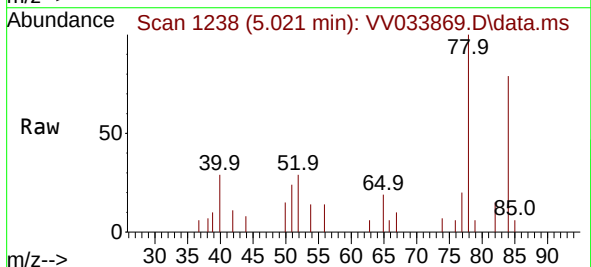
Manual Integrations
APPROVED

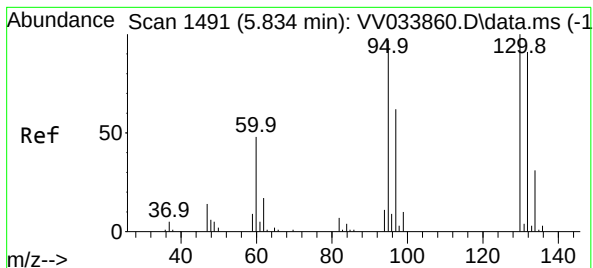
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024



#33
Benzene
Concen: 0.214 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.010 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37

Tgt Ion: 78 Resp: 5131





#34

Trichloroethene

Concen: 0.262 ug/L

RT: 5.844 min Scan# 1491

Delta R.T. 0.010 min

Lab File: VV033869.D

Acq: 25 Jan 2024 15:37

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-07

Tgt Ion: 95 Resp: 182

Ion Ratio Lower Upper

95 100

97 64.8 45.1 83.7

132 104.2 66.0 122.6

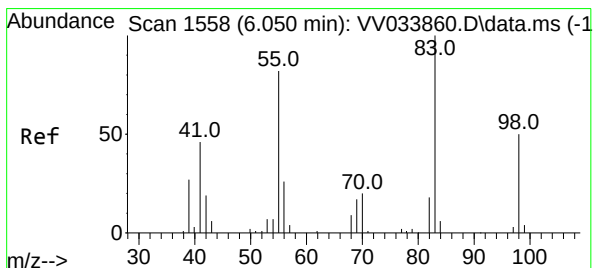
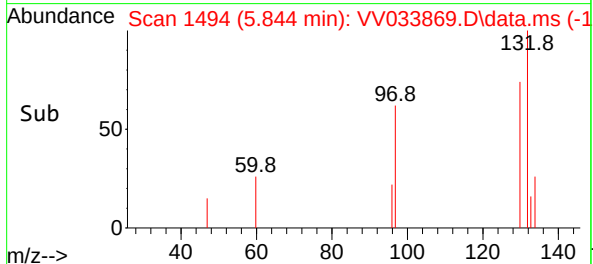
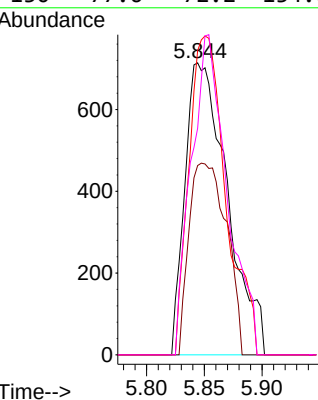
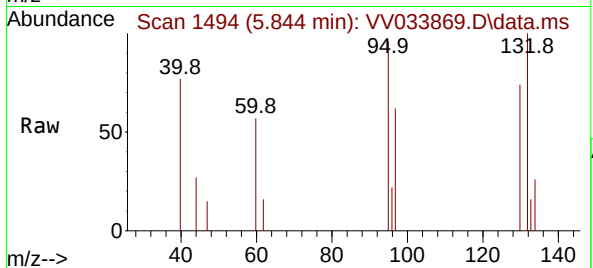
130 77.6 72.2 134.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/26/2024

Supervised By :Semsettin Yesilyurt 01/26/2024



#35

Methylcyclohexane

Concen: 0.197 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.003 min

Lab File: VV033869.D

Acq: 25 Jan 2024 15:37

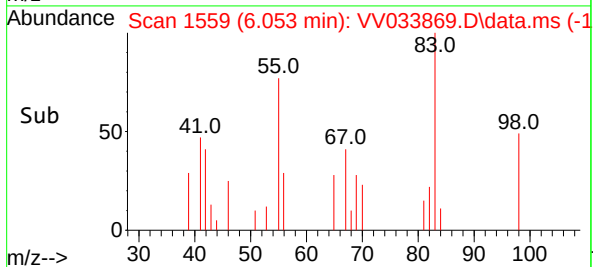
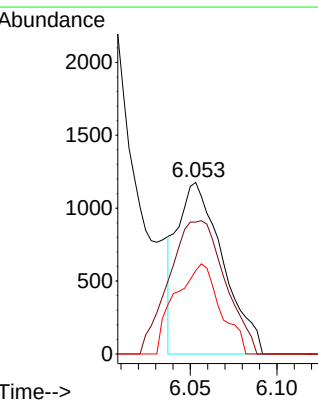
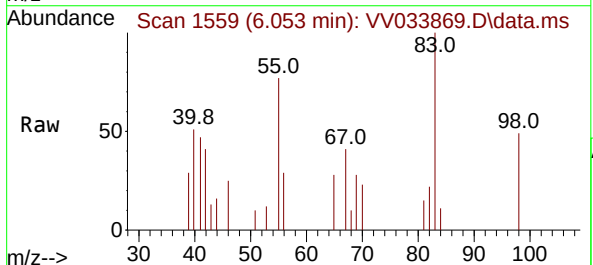
Tgt Ion: 83 Resp: 2151

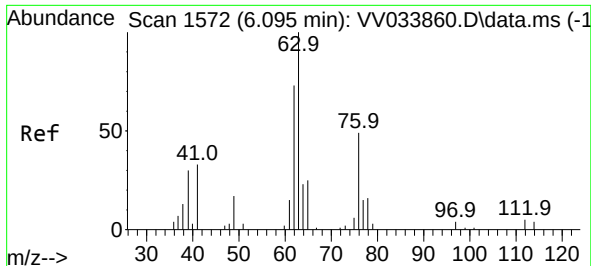
Ion Ratio Lower Upper

83 100

55 94.9 63.5 95.3

98 51.7 39.0 58.4





#37

1,2-Dichloropropane

Concen: 0.222 ug/L

RT: 6.108 min Scan# 1129

Delta R.T. 0.013 min

Lab File: VV033869.D

Acq: 25 Jan 2024 15:37

Instrument :

MSVOA_V

ClientSampleId :

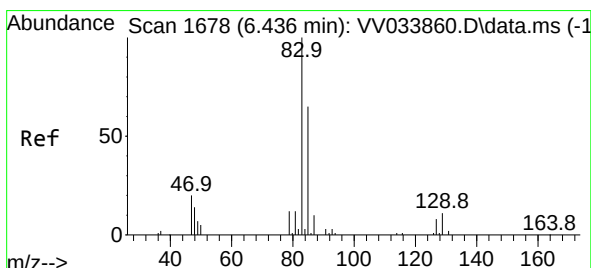
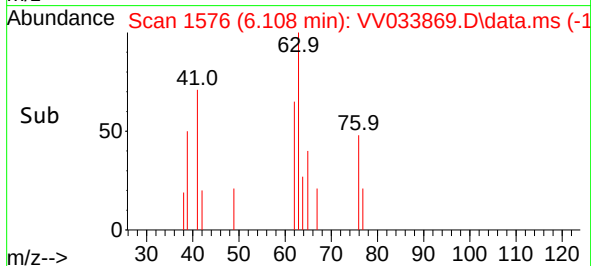
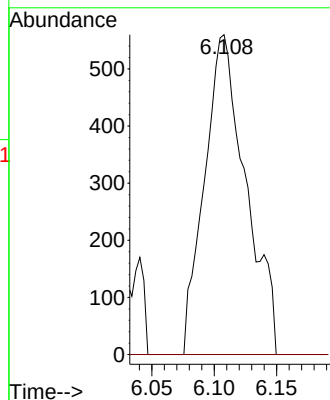
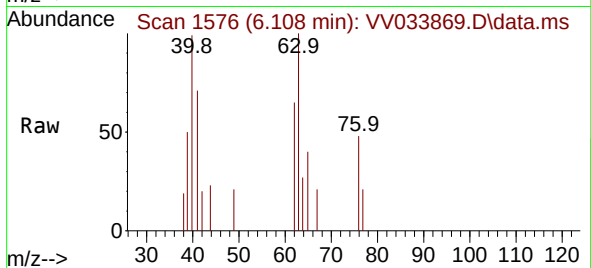
MDL-WATER-QT4-2023-07

Tgt Ion: 63 Resp: 129
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/26/2024
 Supervised By :Semsettin Yesilyurt 01/26/2024



#38

Bromodichloromethane

Concen: 0.193 ug/L

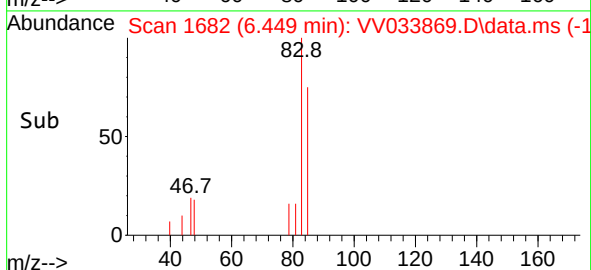
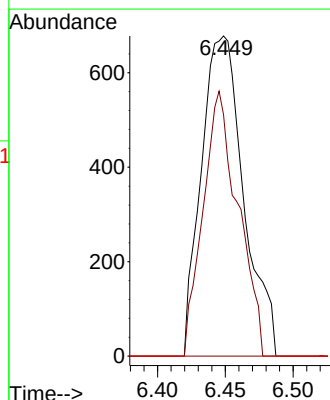
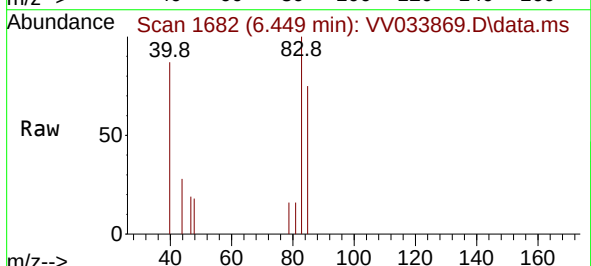
RT: 6.449 min Scan# 1682

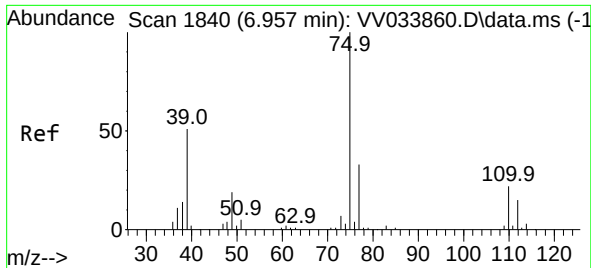
Delta R.T. 0.013 min

Lab File: VV033869.D

Acq: 25 Jan 2024 15:37

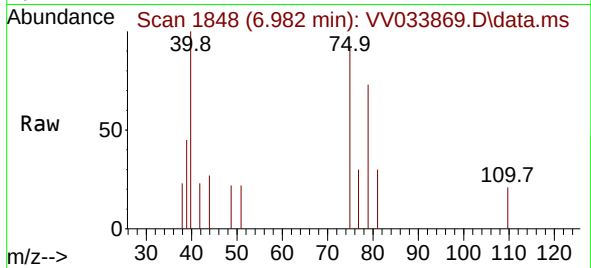
Tgt Ion: 83 Resp: 1477
 Ion Ratio Lower Upper
 83 100
 85 75.4 45.4 84.2
 127 0.0 6.5 9.7





#39
 cis-1,3-Dichloropropene
 Concen: 0.179 ug/L
 RT: 6.982 min Scan# 11
 Delta R.T. 0.026 min
 Lab File: VV033869.D
 Acq: 25 Jan 2024 15:37

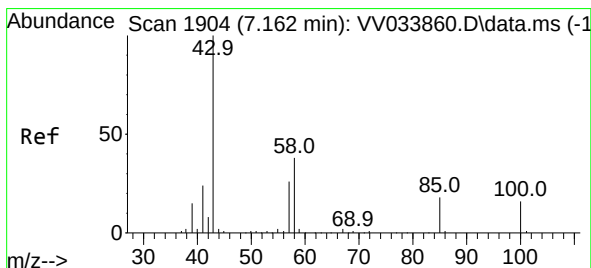
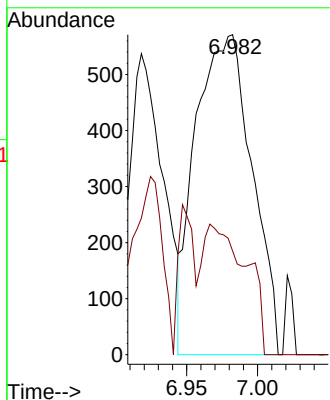
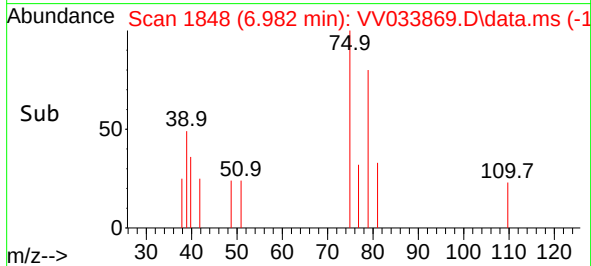
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2023-07



Tgt Ion: 75 Resp: 158
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.9 42.5

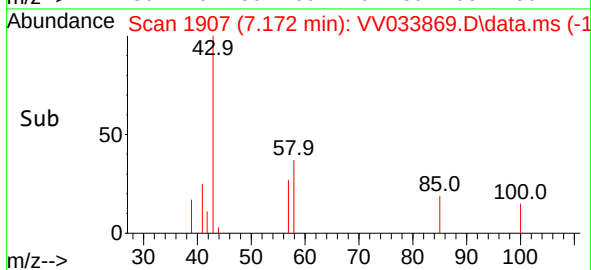
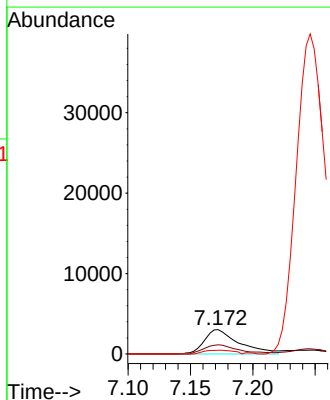
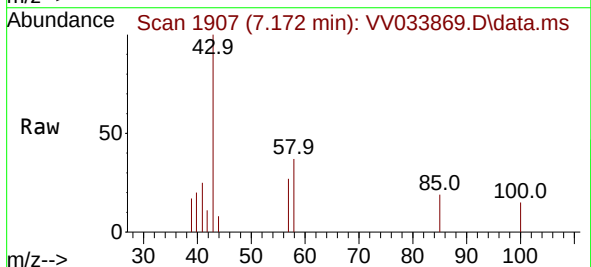
Manual Integrations
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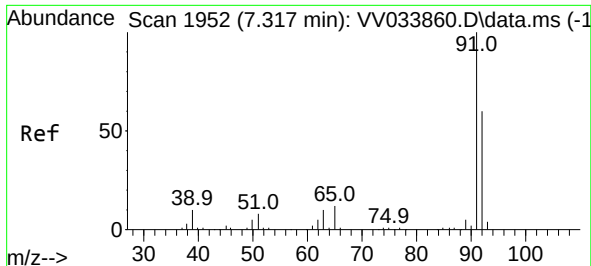
Reviewed By :Mahesh Dadoda 01/26/2024
 Supervised By :Semsettin Yesilyurt 01/26/2024



#40
 4-Methyl-2-pentanone
 Concen: 2.102 ug/L
 RT: 7.172 min Scan# 1907
 Delta R.T. 0.010 min
 Lab File: VV033869.D
 Acq: 25 Jan 2024 15:37

Tgt Ion: 43 Resp: 5857
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.2 45.2
 100 0.0 12.1 18.1





#42

Toluene

Concen: 0.220 ug/L

RT: 7.326 min Scan# 1952

Delta R.T. 0.010 min

Lab File: VV033869.D

Acq: 25 Jan 2024 15:37

Instrument :

MSVOA_V

ClientSampleId :

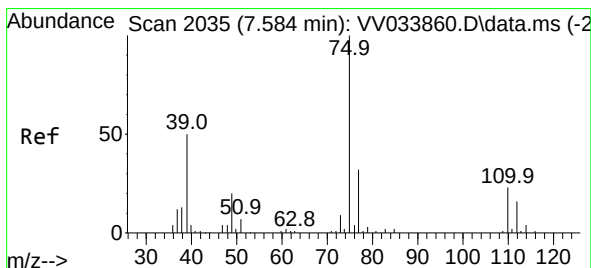
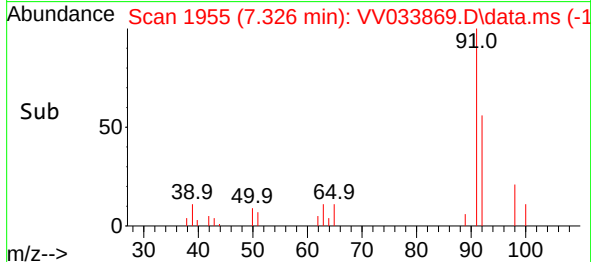
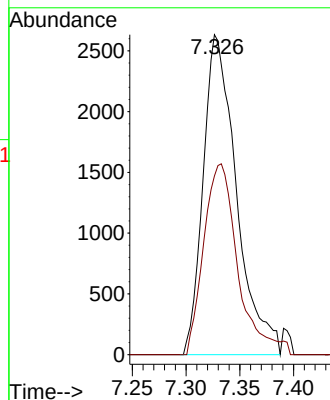
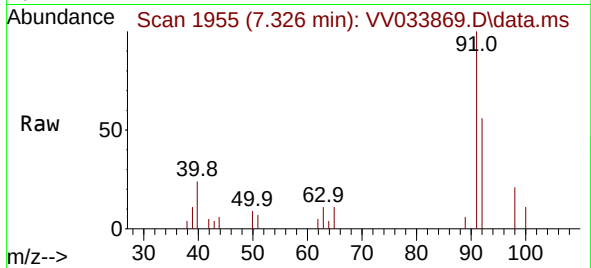
MDL-WATER-QT4-2023-07

Tgt Ion: 91 Resp: 565
 Ion Ratio Lower Upper
 91 100
 92 55.9 42.1 78.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/26/2024
 Supervised By :Semsettin Yesilyurt 01/26/2024



#44

trans-1,3-Dichloropropene

Concen: 0.204 ug/L

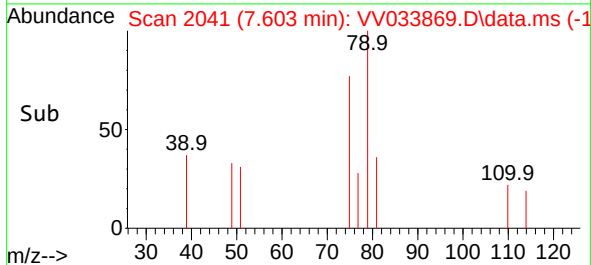
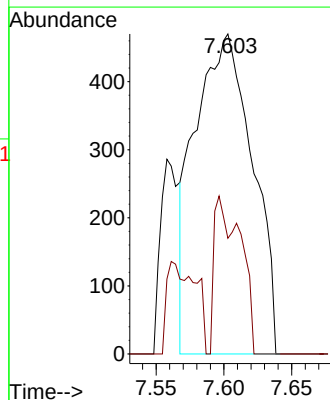
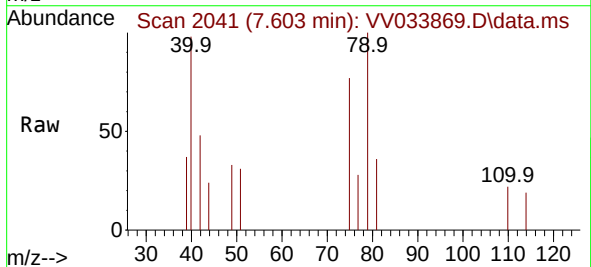
RT: 7.603 min Scan# 2041

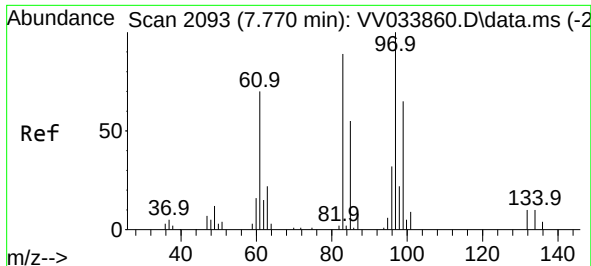
Delta R.T. 0.019 min

Lab File: VV033869.D

Acq: 25 Jan 2024 15:37

Tgt Ion: 75 Resp: 1386
 Ion Ratio Lower Upper
 75 100
 77 36.2 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 0.213 ug/L

RT: 7.789 min Scan# 2093

Delta R.T. 0.019 min

Lab File: VV033869.D

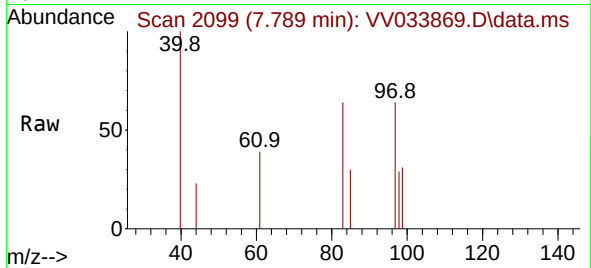
Acq: 25 Jan 2024 15:37

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-07



Tgt Ion: 97 Resp: 76

Ion Ratio Lower Upper

97 100

99 0.0 45.6 84.6

83 100.5 62.3 115.7

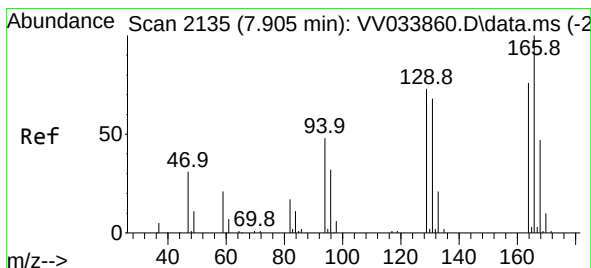
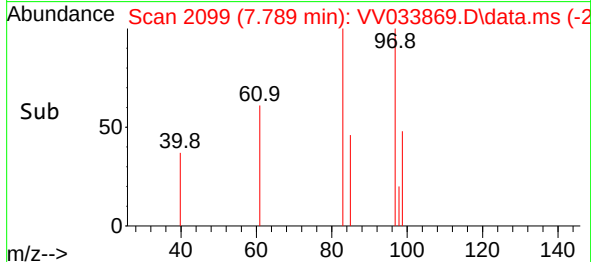
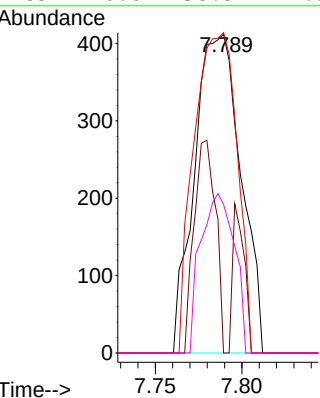
85 46.6 38.5 71.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/26/2024

Supervised By :Semsettin Yesilyurt 01/26/2024



#47

Tetrachloroethene

Concen: 0.349 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.010 min

Lab File: VV033869.D

Acq: 25 Jan 2024 15:37

Tgt Ion:164 Resp: 1974

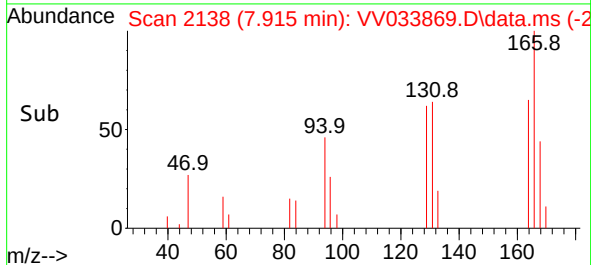
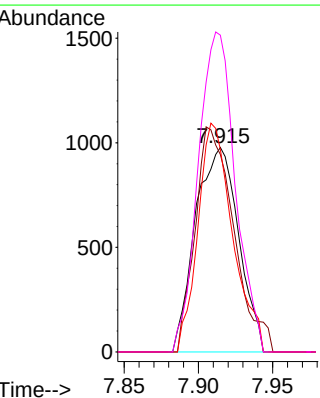
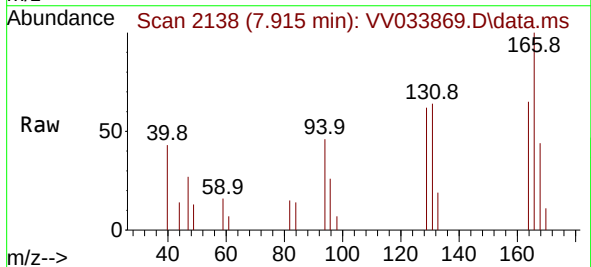
Ion Ratio Lower Upper

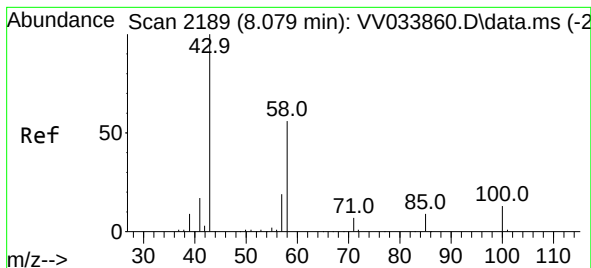
164 100

129 96.5 67.8 125.8

131 99.0 63.0 117.0

166 154.9 92.6 172.0





#48

2-Hexanone

Concen: 3.694 ug/L

RT: 8.088 min Scan# 2189

Delta R.T. 0.010 min

Lab File: VV033869.D

Acq: 25 Jan 2024 15:37

Instrument :

MSVOA_V

ClientSampleId :

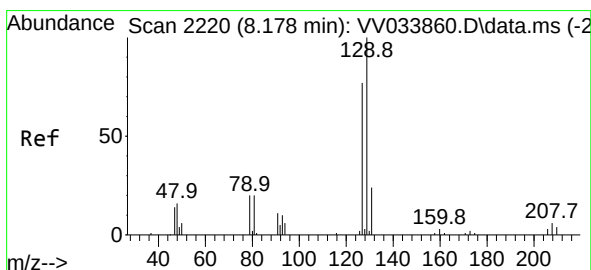
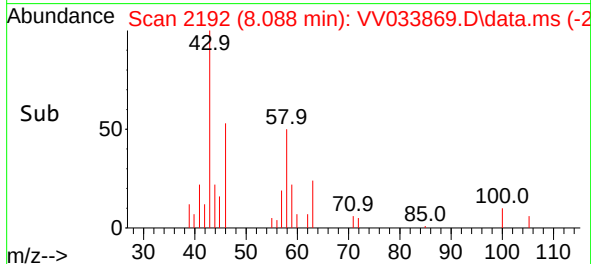
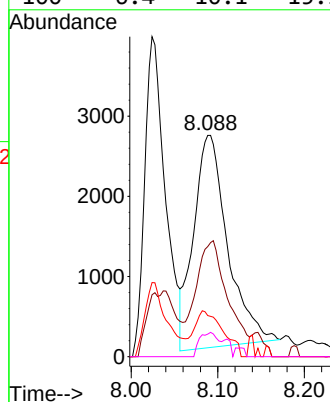
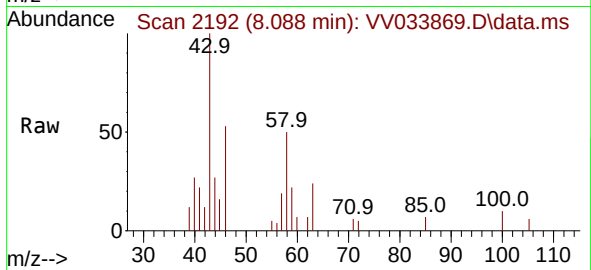
MDL-WATER-QT4-2023-07

Tgt Ion: 43	Resp: 725
Ion Ratio	Lower Upper
43	100
58	38.1 42.6 64.0
57	18.4 15.5 23.3
100	6.4 10.1 15.1

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024



#49

Dibromochloromethane

Concen: 0.195 ug/L

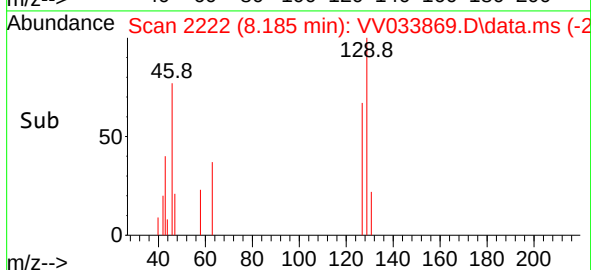
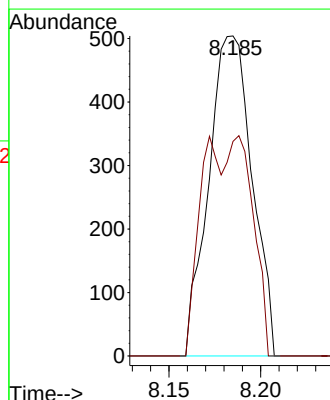
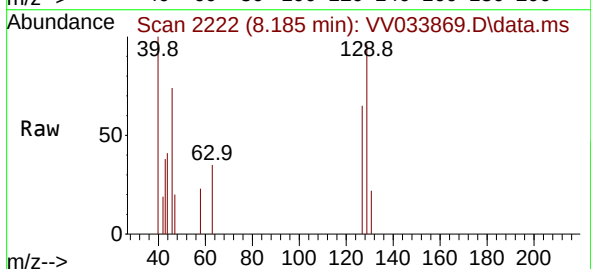
RT: 8.185 min Scan# 2222

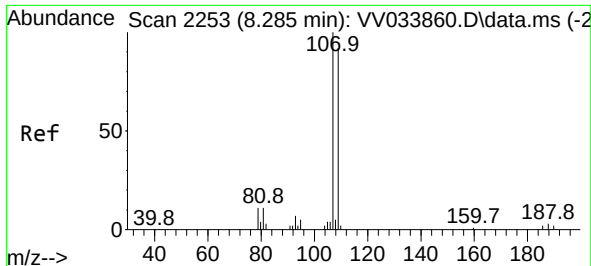
Delta R.T. 0.006 min

Lab File: VV033869.D

Acq: 25 Jan 2024 15:37

Tgt Ion:129	Resp: 833
Ion Ratio	Lower Upper
129	100
127	67.1 53.5 99.5





#50

1,2-Dibromoethane

Concen: 0.225 ug/L

RT: 8.301 min Scan# 21

Delta R.T. 0.016 min

Lab File: VV033869.D

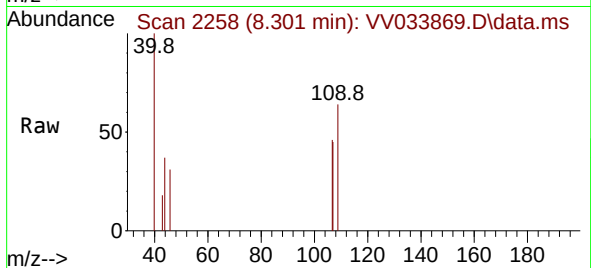
Acq: 25 Jan 2024 15:37

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-07

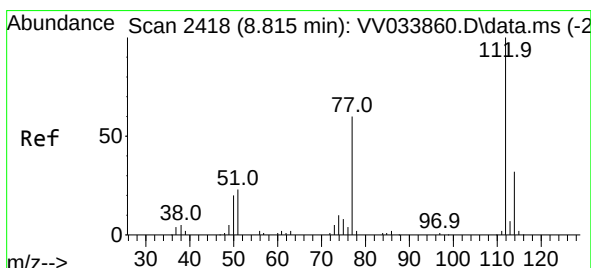
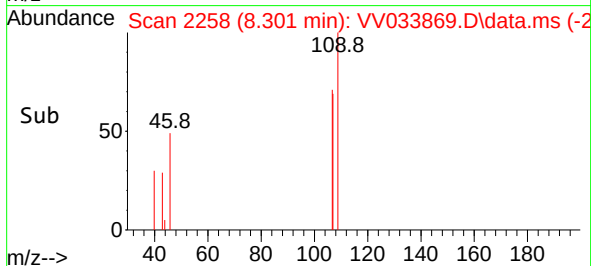
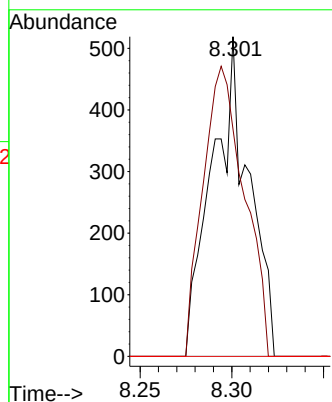


Tgt Ion:	107	Resp:	725
Ion	Ratio	Lower	Upper
107	100		
109	71.1	64.5	119.9
188	0.0	2.6	4.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024



#51

Chlorobenzene

Concen: 0.228 ug/L

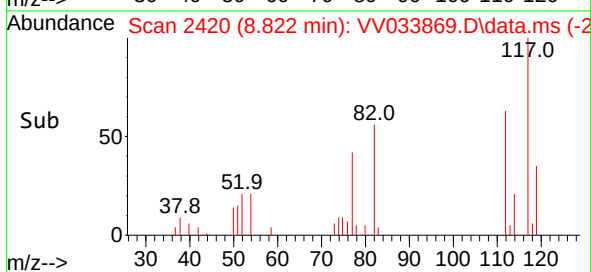
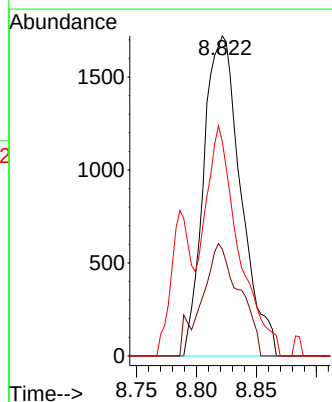
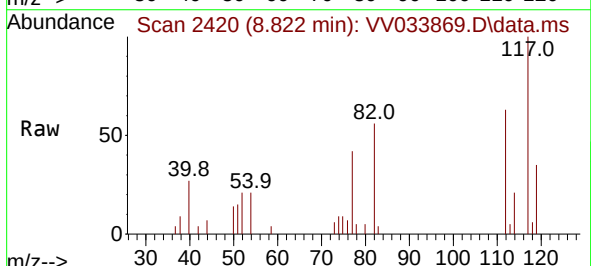
RT: 8.822 min Scan# 2420

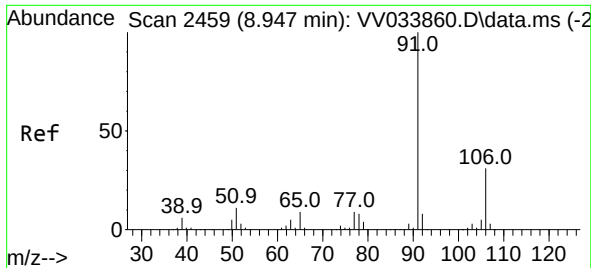
Delta R.T. 0.006 min

Lab File: VV033869.D

Acq: 25 Jan 2024 15:37

Tgt Ion:	112	Resp:	3703
Ion	Ratio	Lower	Upper
112	100		
114	33.4	22.5	41.7
77	67.0	48.1	72.1





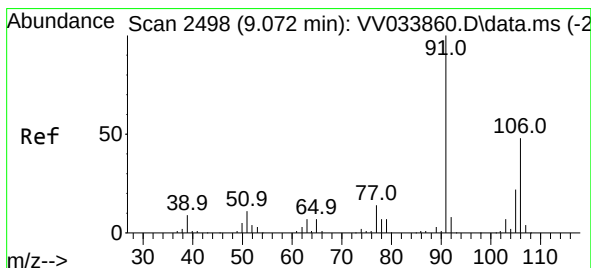
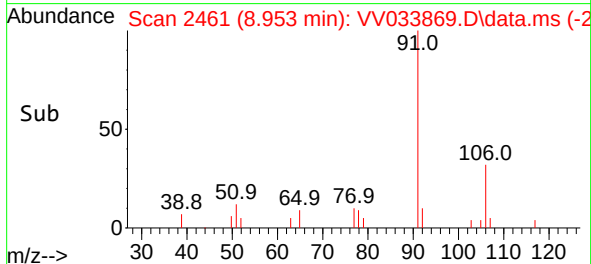
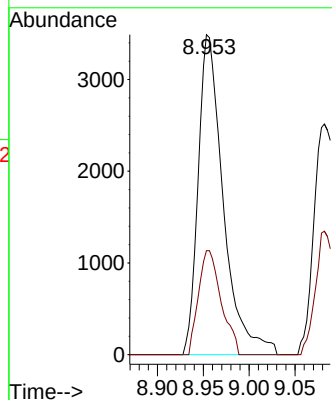
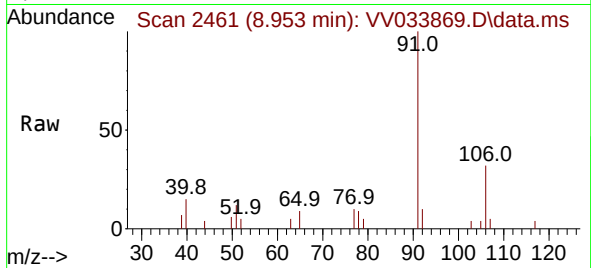
#52
Ethylbenzene
Concen: 0.225 ug/L
RT: 8.953 min Scan# 2459
Delta R.T. 0.006 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07

Tgt Ion: 91 Resp: 6650
Ion Ratio Lower Upper
91 100
106 32.5 21.4 39.8

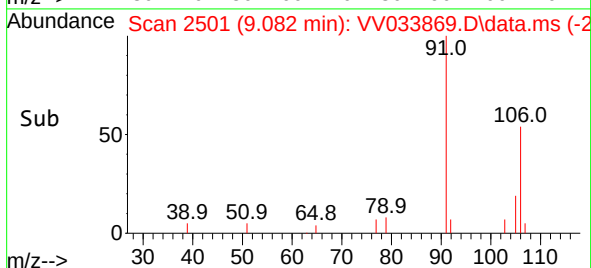
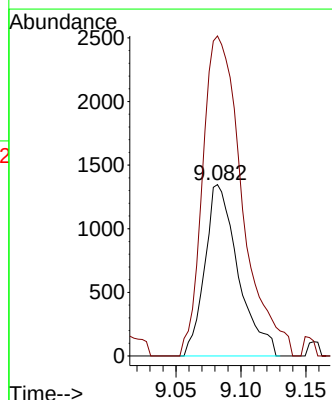
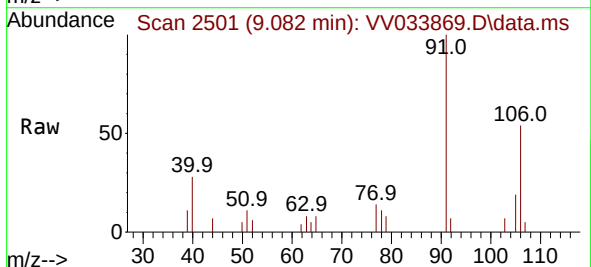
Manual Integrations
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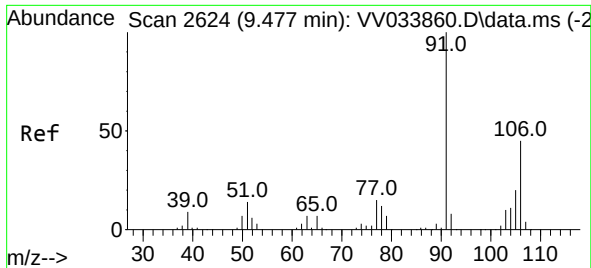
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024



#53
m,p-Xylene
Concen: 0.215 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.010 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37

Tgt Ion:106 Resp: 2403
Ion Ratio Lower Upper
106 100
91 186.7 147.5 273.9





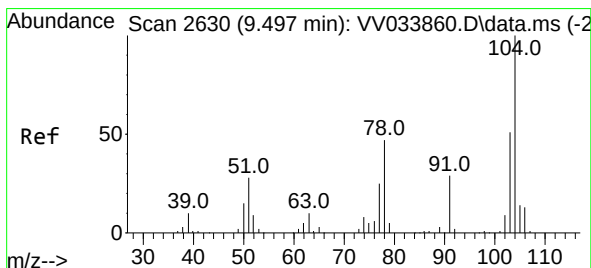
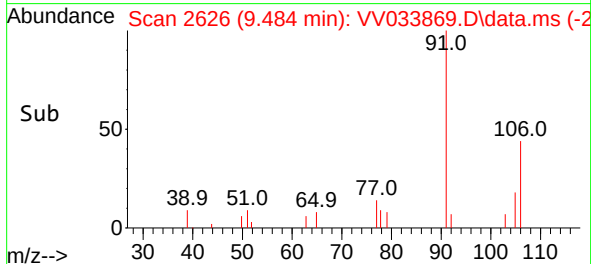
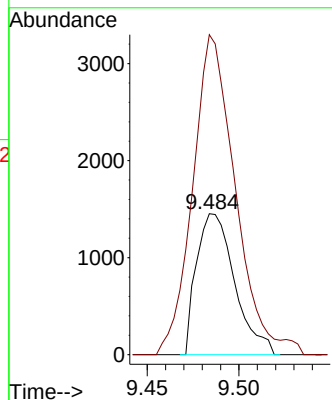
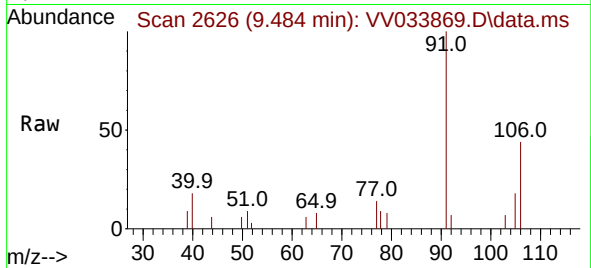
#54
o-Xylene
Concen: 0.195 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.006 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07

Tgt Ion:106 Resp: 210
Ion Ratio Lower Upper
106 100
91 227.1 156.2 290.0

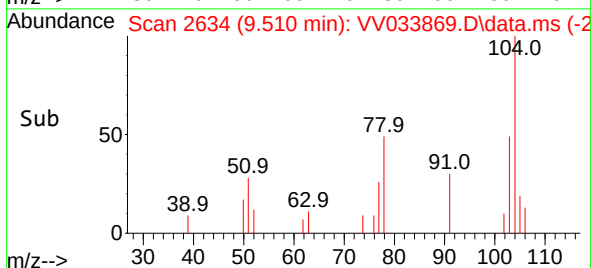
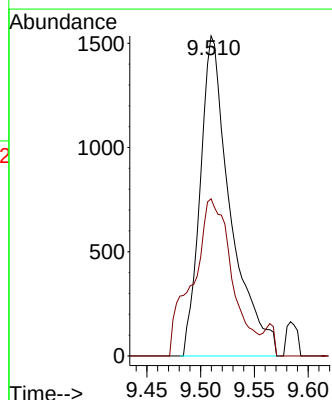
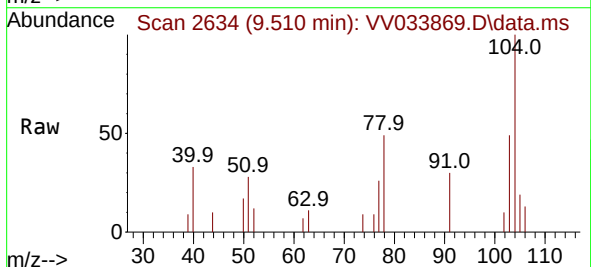
Manual Integrations
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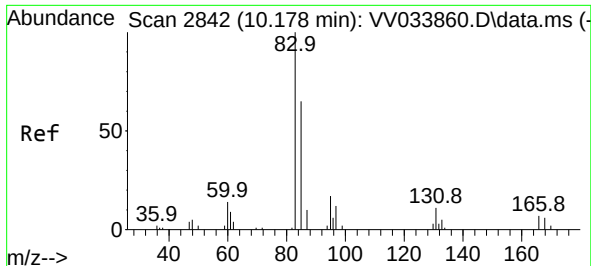
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024



#55
Styrene
Concen: 0.174 ug/L
RT: 9.510 min Scan# 2634
Delta R.T. 0.013 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37

Tgt Ion:104 Resp: 3004
Ion Ratio Lower Upper
104 100
78 49.1 32.9 61.1





#57

1,1,2,2-Tetrachloroethane

Concen: 0.300 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. 0.006 min

Lab File: VV033869.D

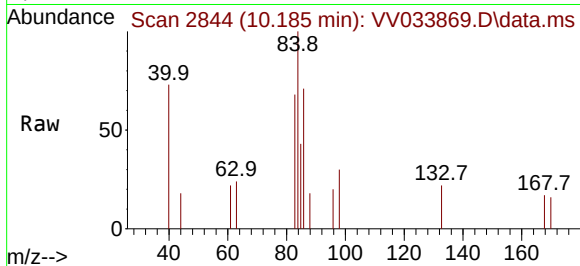
Acq: 25 Jan 2024 15:37

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-07

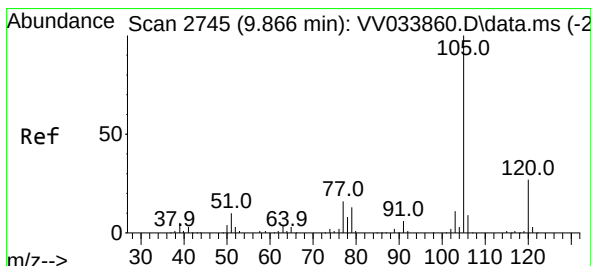
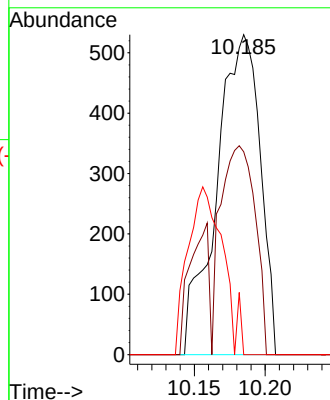
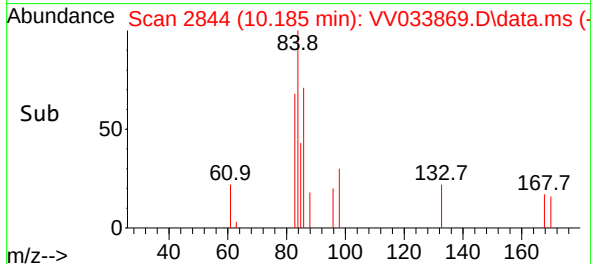


Tgt Ion:	83	Resp:	1138
Ion Ratio	Lower	Upper	
83	100		
85	63.4	46.5	86.3
131	0.0	8.4	12.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024



#60

Isopropylbenzene

Concen: 0.224 ug/L

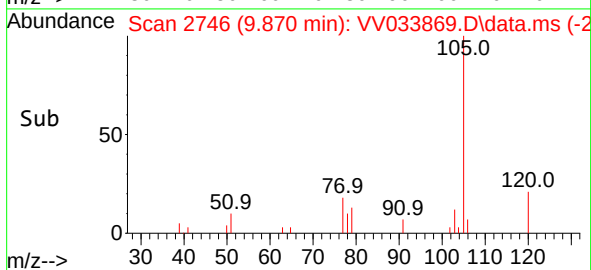
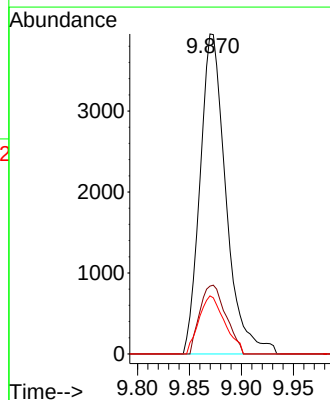
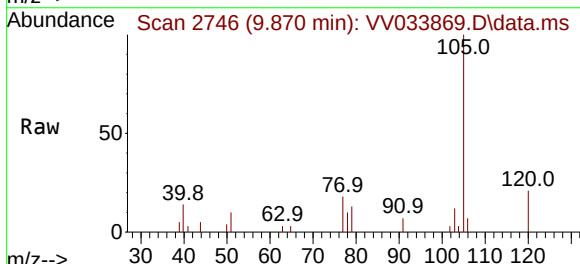
RT: 9.870 min Scan# 2746

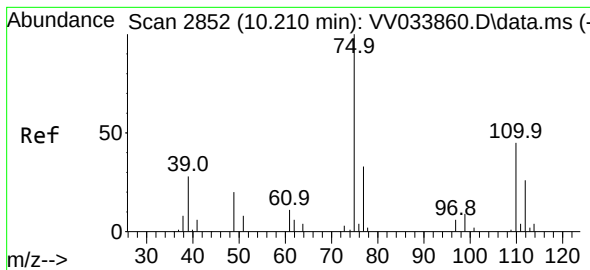
Delta R.T. 0.003 min

Lab File: VV033869.D

Acq: 25 Jan 2024 15:37

Tgt Ion:	105	Resp:	6848
Ion Ratio	Lower	Upper	
105	100		
120	21.6	20.7	31.1
77	18.1	13.0	19.6





#61

1,2,3-Trichloropropane

Concen: 0.227 ug/L

RT: 10.217 min Scan# 2854

Delta R.T. 0.006 min

Lab File: VV033869.D

Acq: 25 Jan 2024 15:37

Instrument :

MSVOA_V

ClientSampleId :

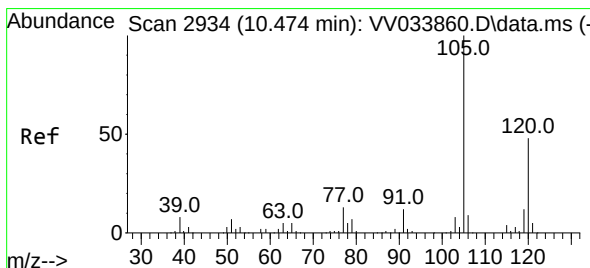
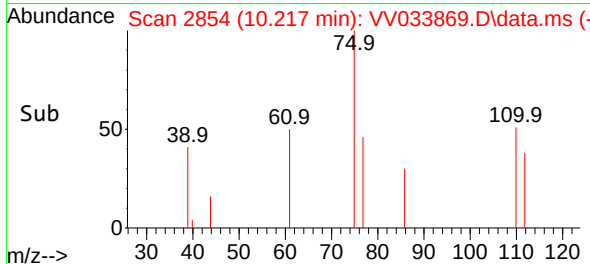
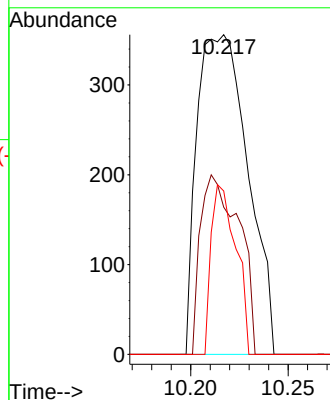
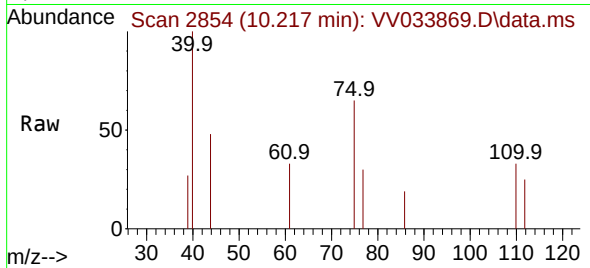
MDL-WATER-QT4-2023-07

Tgt Ion: 75	Resp: 649
Ion Ratio	Lower Upper
75 100	
77 42.6	26.9 40.3
110 25.9	33.3 49.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024



#62

1,3,5-Trimethylbenzene

Concen: 0.213 ug/L

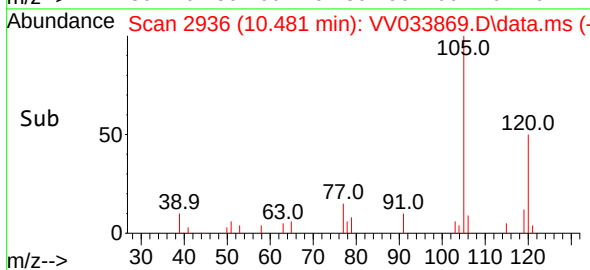
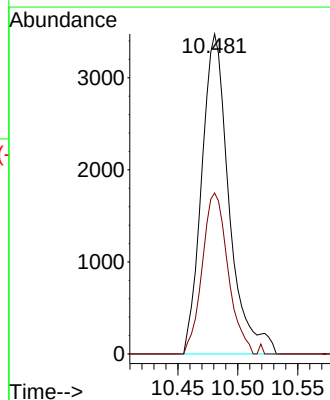
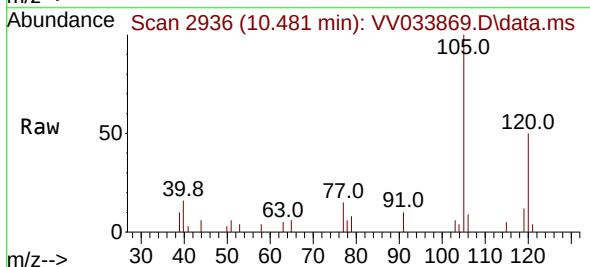
RT: 10.481 min Scan# 2936

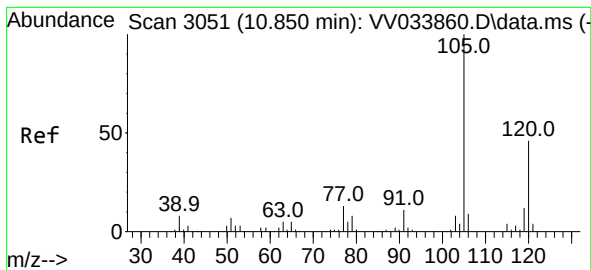
Delta R.T. 0.006 min

Lab File: VV033869.D

Acq: 25 Jan 2024 15:37

Tgt Ion:105	Resp: 5515
Ion Ratio	Lower Upper
105 100	
120 47.3	38.2 57.4





#63

1,2,4-Trimethylbenzene

Concen: 0.215 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.006 min

Lab File: VV033869.D

Acq: 25 Jan 2024 15:37

Instrument :

MSVOA_V

ClientSampleId :

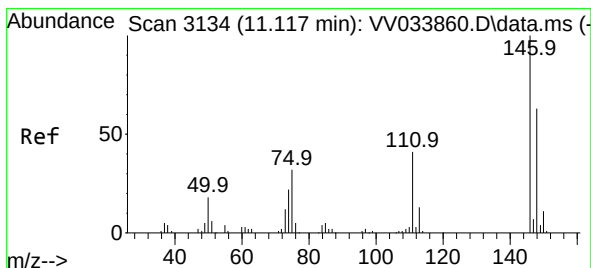
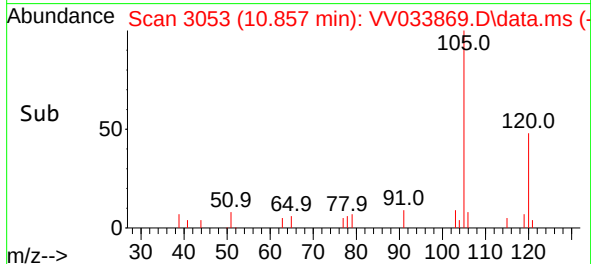
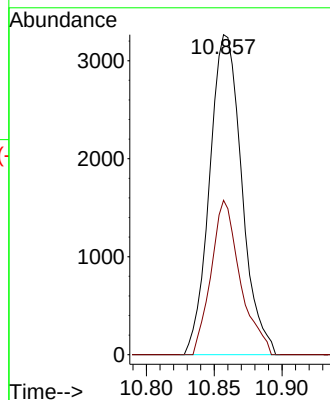
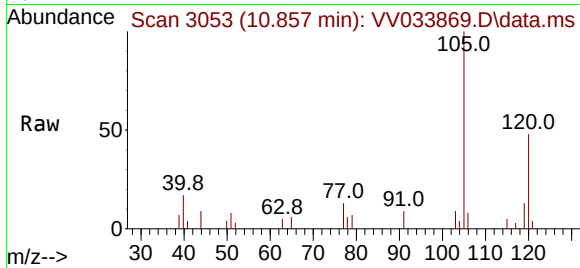
MDL-WATER-QT4-2023-07

Tgt Ion:105 Resp: 5390
 Ion Ratio Lower Upper
 105 100
 120 43.6 36.2 54.2

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#64

1,3-Dichlorobenzene

Concen: 0.226 ug/L

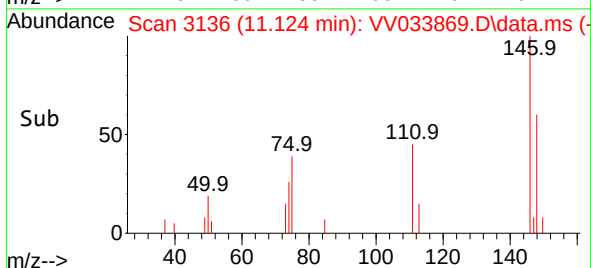
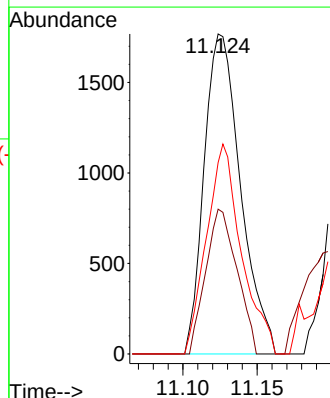
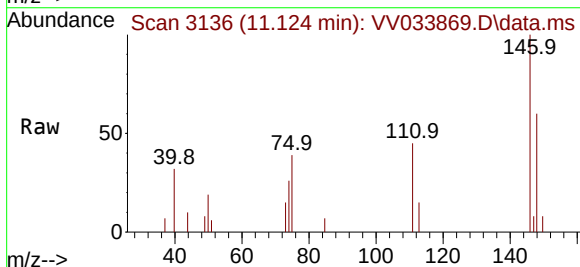
RT: 11.124 min Scan# 3136

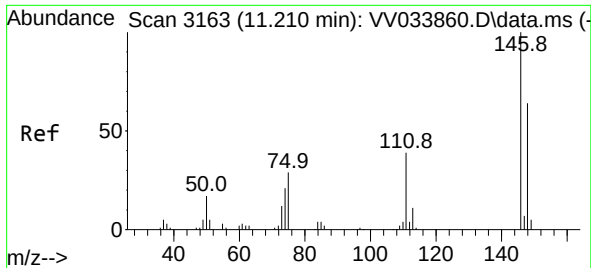
Delta R.T. 0.006 min

Lab File: VV033869.D

Acq: 25 Jan 2024 15:37

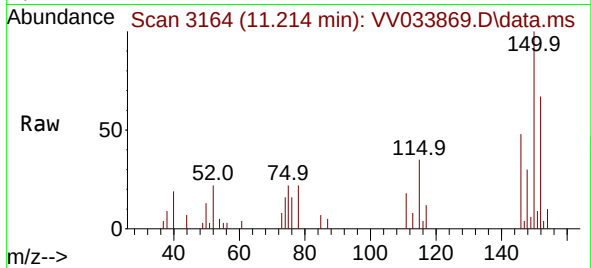
Tgt Ion:146 Resp: 3016
 Ion Ratio Lower Upper
 146 100
 111 45.2 28.5 52.9
 148 59.8 44.4 82.4





#65
1,4-Dichlorobenzene
Concen: 0.250 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37

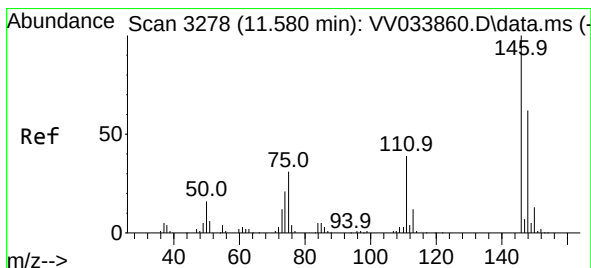
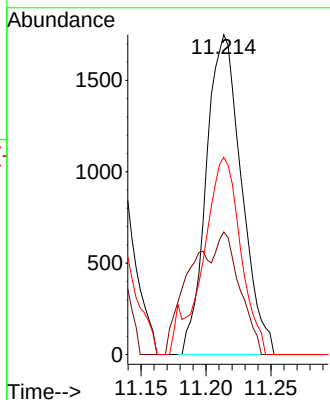
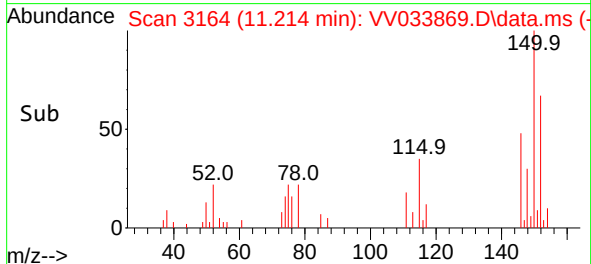
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion:146 Resp: 3299
Ion Ratio Lower Upper
146 100
111 38.3 27.6 51.4
148 61.7 44.8 83.2

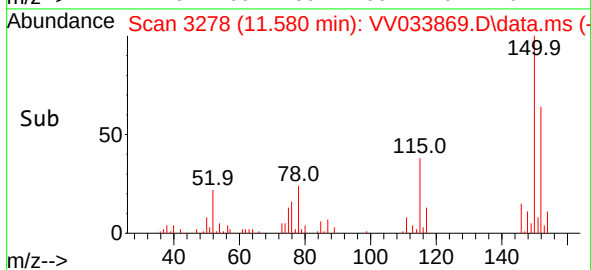
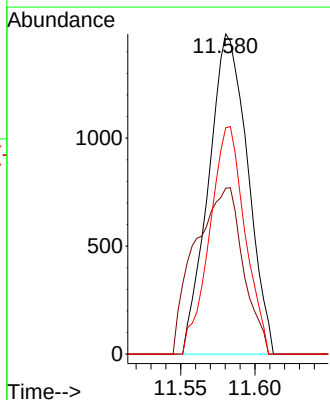
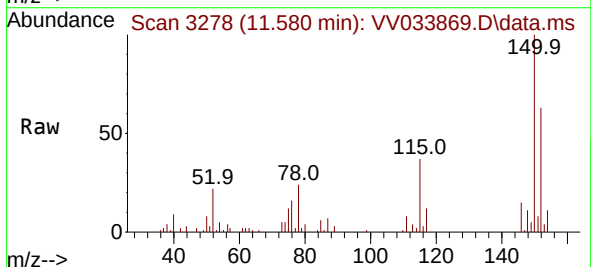
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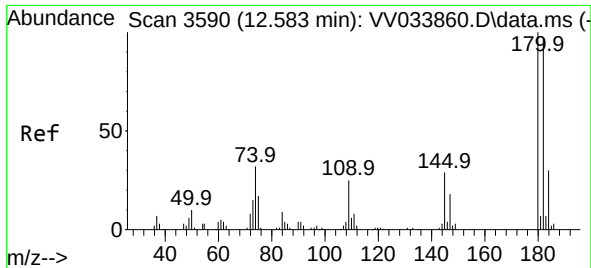
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#67
1,2-Dichlorobenzene
Concen: 0.237 ug/L
RT: 11.580 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37

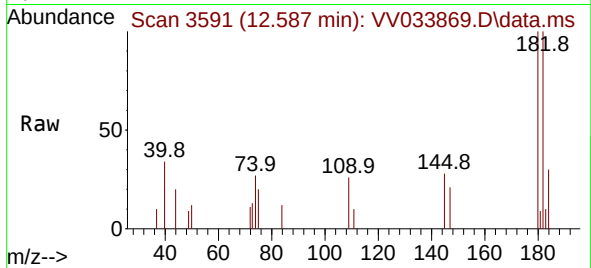
Tgt Ion:146 Resp: 2715
Ion Ratio Lower Upper
146 100
111 51.8 31.2 46.8#
148 70.7 49.8 74.8





#69
1,3,5-Trichlorobenzene
Concen: 0.220 ug/L
RT: 12.587 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37

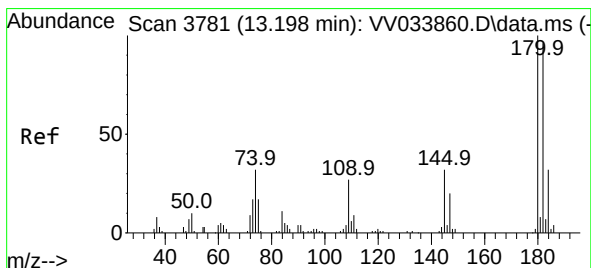
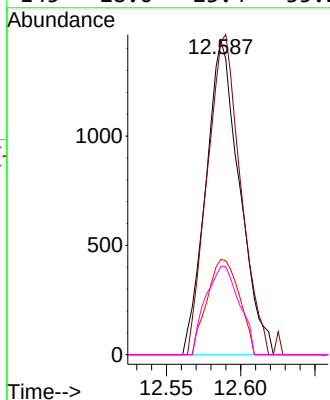
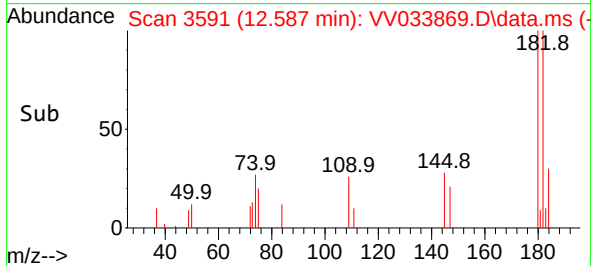
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07



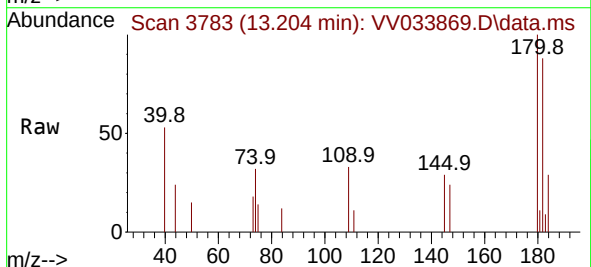
Tgt Ion:180 Resp: 2269
Ion Ratio Lower Upper
180 100
182 100.2 77.0 115.4
184 28.9 23.8 35.6
145 28.0 23.4 35.2

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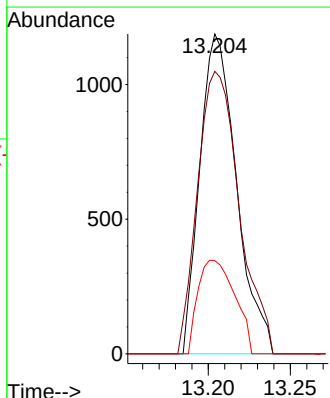
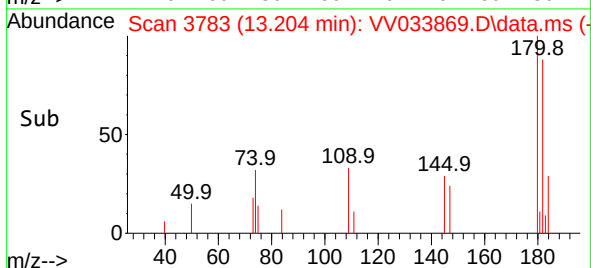
Reviewed By :Mahesh Dadoda 01/26/2024
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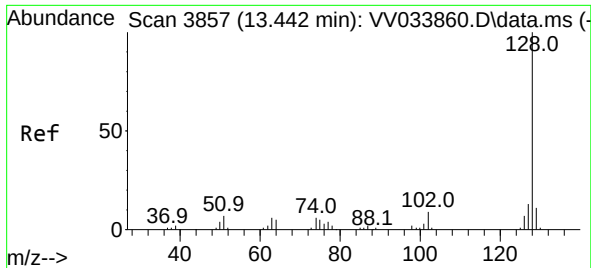


#70
1,2,4-trichlorobenzene
Concen: 0.229 ug/L
RT: 13.204 min Scan# 3783
Delta R.T. 0.006 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37



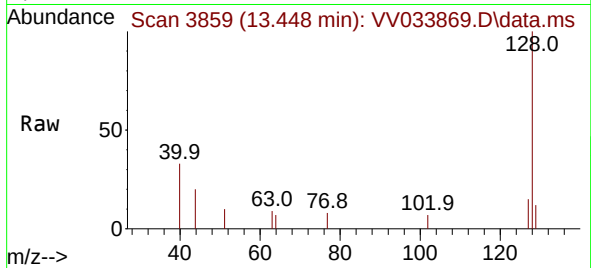
Tgt Ion:180 Resp: 1840
Ion Ratio Lower Upper
180 100
182 100.2 76.8 115.2
145 29.4 24.8 37.2





#71
Naphthalene
Concen: 0.285 ug/L
RT: 13.448 min Scan# 3857
Delta R.T. 0.006 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37

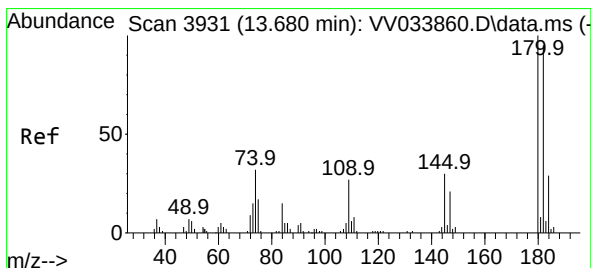
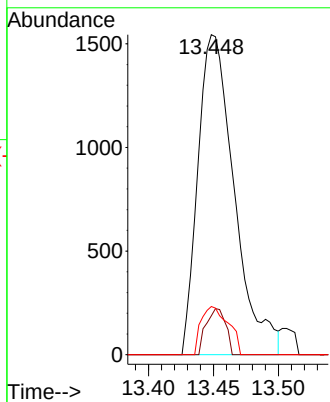
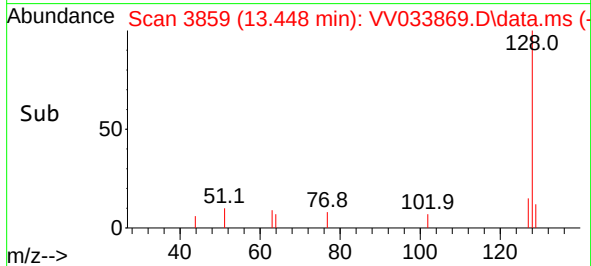
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07



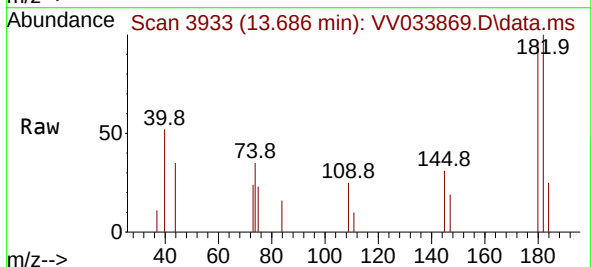
Tgt Ion:128 Resp: 3010
Ion Ratio Lower Upper
128 100
129 7.7 8.5 12.7
127 11.3 10.4 15.6

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#72
1,2,3-Trichlorobenzene
Concen: 0.225 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. 0.006 min
Lab File: VV033869.D
Acq: 25 Jan 2024 15:37



Tgt Ion:180 Resp: 1449
Ion Ratio Lower Upper
180 100
182 107.5 75.0 112.6
145 33.1 25.2 37.8

