

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012524\
 Data File : VW033867.D
 Acq On : 25 Jan 2024 14:06
 Operator : SY/MD
 Sample : 04696-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Jan 25 21:28:19 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	5.535	114	100474	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	90296	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	44196	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	20194	2.595	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	52.000%
7) Chloroethane-d5	1.532	69	18329	2.689	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	53.800%#
11) 1,1-Dichloroethene-d2	2.060	65	10379	2.766	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.400%#
20) 2-Butanone-d5	3.796	46	34965m	26.755	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	53.500%
24) Chloroform-d	4.249	84	42016	2.971	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	59.400%#
26) 1,2-Dichloroethane-d4	4.947	65	19273	2.917	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	58.400%#
32) Benzene-d6	4.960	84	80748	2.981	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	59.600%#
36) 1,2-Dichloropropane-d6	5.992	67	23154	3.058	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	61.200%
41) Toluene-d8	7.246	98	75859	3.047	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	61.000%#
43) trans-1,3-Dichloroprop...	7.561	79	8075	2.824	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	56.400%
46) 2-Hexanone-d5	8.027	63	25426	24.909	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	49.820%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	13238	2.883	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	57.600%#
66) 1,2-Dichlorobenzene-d4	11.561	152	26072	3.244	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	64.800%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	1605	0.174	ug/L	93
3) Chloromethane	1.217	50	2269	0.226	ug/L	93
5) Vinyl chloride	1.285	62	2006	0.209	ug/L #	74
6) Bromomethane	1.487	94	891	0.176	ug/L	89
8) Chloroethane	1.545	64	1467	0.224	ug/L #	60
9) Trichlorofluoromethane	1.716	101	3239	0.234	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	2049	0.283	ug/L #	83
12) 1,1-Dichloroethene	2.069	96	1878	0.268	ug/L #	1
13) Acetone	2.118	43	2607	2.629	ug/L #	69
14) Carbon disulfide	2.243	76	5974	0.263	ug/L	97
15) Methyl Acetate	2.394	43	423	0.180	ug/L #	53
16) Methylene chloride	2.449	84	1418	0.211	ug/L	92
17) Methyl tert-butyl Ether	2.706	73	3270	0.227	ug/L	95
18) trans-1,2-Dichloroethene	2.700	96	1514	0.212	ug/L	97
19) 1,1-Dichloroethane	3.114	63	2891	0.220	ug/L	97
22) cis-1,2-Dichloroethene	3.818	96	2141	0.264	ug/L	89
23) Bromochloromethane	4.159	128	406	0.144	ug/L #	94
27) 1,2-Dichloroethane	5.063	62	1769	0.233	ug/L #	76
29) 1,1,1-Trichloroethane	4.510	97	2915	0.240	ug/L #	74

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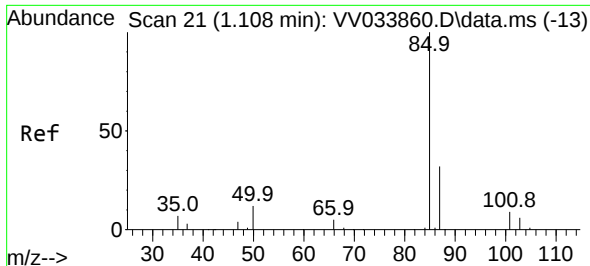
Quant Time: Jan 25 21:28:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
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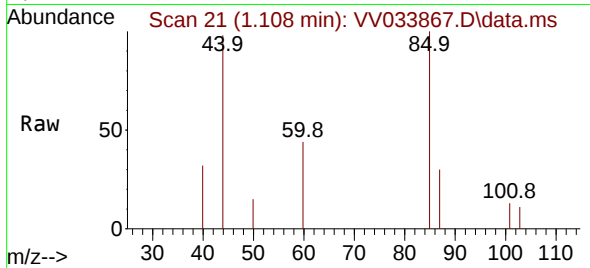
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Cyclohexane	4.577	56	2623	0.222	ug/L	86
31) Carbon tetrachloride	4.741	117	2378	0.224	ug/L	98
33) Benzene	5.018	78	6306	0.233	ug/L	100
34) Trichloroethene	5.847	95	1797	0.229	ug/L	85
35) Methylcyclohexane	6.040	83	2870m	0.233	ug/L	
37) 1,2-Dichloropropane	6.101	63	1380	0.210	ug/L #	87
38) Bromodichloromethane	6.445	83	1774	0.206	ug/L #	93
39) cis-1,3-Dichloropropene	6.969	75	2118	0.212	ug/L	90
40) 4-Methyl-2-pentanone	7.172	43	5158	1.642	ug/L #	88
42) Toluene	7.323	91	6694	0.231	ug/L	99
44) trans-1,3-Dichloropropene	7.596	75	1796	0.234	ug/L	96
45) 1,1,2-Trichloroethane	7.786	97	843	0.208	ug/L	84
47) Tetrachloroethene	7.912	164	1553	0.244	ug/L	92
48) 2-Hexanone	8.088	43	8135m	3.674	ug/L	
49) Dibromochloromethane	8.182	129	1121	0.233	ug/L	90
50) 1,2-Dibromoethane	8.294	107	762	0.210	ug/L #	93
51) Chlorobenzene	8.818	112	3958	0.216	ug/L	95
52) Ethylbenzene	8.953	91	7810	0.234	ug/L	99
53) m,p-Xylene	9.082	106	2894	0.230	ug/L	95
54) o-Xylene	9.481	106	2722	0.224	ug/L	88
55) Styrene	9.510	104	4214	0.217	ug/L	88
57) 1,1,2,2-Tetrachloroethane	10.182	83	1010	0.236	ug/L #	89
59) Bromoform	9.667	173	488	0.200	ug/L #	77
60) Isopropylbenzene	9.873	105	7176	0.219	ug/L	98
61) 1,2,3-Trichloropropane	10.220	75	568	0.187	ug/L #	89
62) 1,3,5-Trimethylbenzene	10.481	105	6349	0.230	ug/L	98
63) 1,2,4-Trimethylbenzene	10.857	105	6218	0.231	ug/L	94
64) 1,3-Dichlorobenzene	11.124	146	3509	0.246	ug/L	95
65) 1,4-Dichlorobenzene	11.210	146	3368	0.239	ug/L	94
67) 1,2-Dichlorobenzene	11.583	146	2791	0.228	ug/L #	89
69) 1,3,5-Trichlorobenzene	12.587	180	2497	0.226	ug/L	96
70) 1,2,4-trichlorobenzene	13.207	180	2016	0.234	ug/L #	93
71) Naphthalene	13.452	128	2953	0.262	ug/L #	87
72) 1,2,3-Trichlorobenzene	13.686	180	1449	0.210	ug/L	91

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



#2
Dichlorodifluoromethane
Concen: 0.174 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

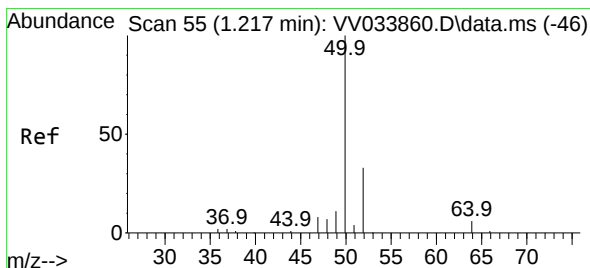
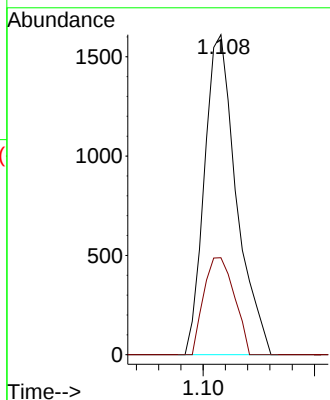
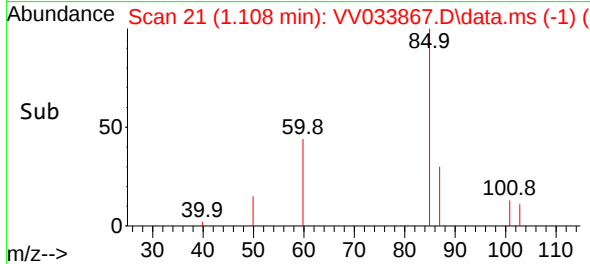
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion: 85 Resp: 160
Ion Ratio Lower Upper
85 100
87 28.9 26.2 39.4

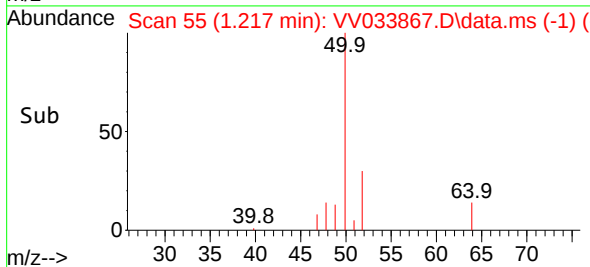
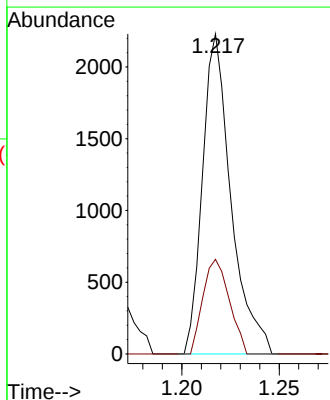
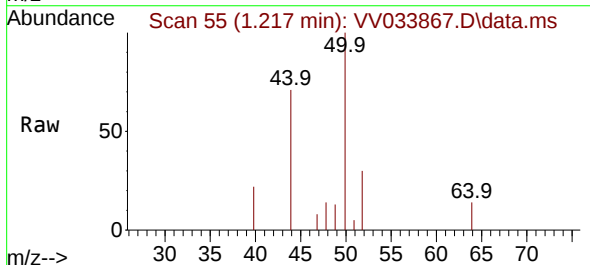
Manual Integrations
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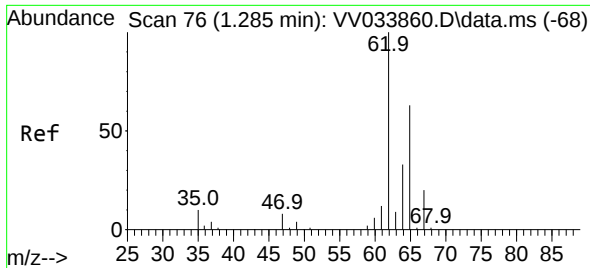
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024



#3
Chloromethane
Concen: 0.226 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

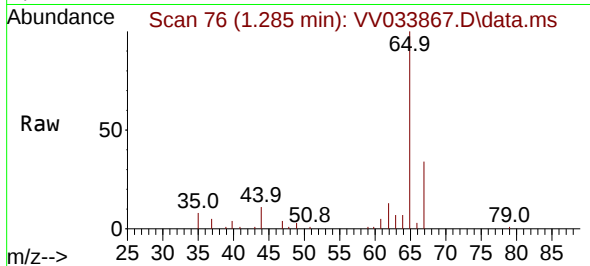
Tgt Ion: 50 Resp: 2269
Ion Ratio Lower Upper
50 100
52 29.6 23.4 43.4





#5
 Vinyl chloride
 Concen: 0.209 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV033867.D
 Acq: 25 Jan 2024 14:06

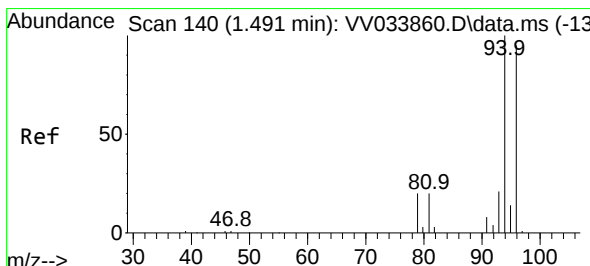
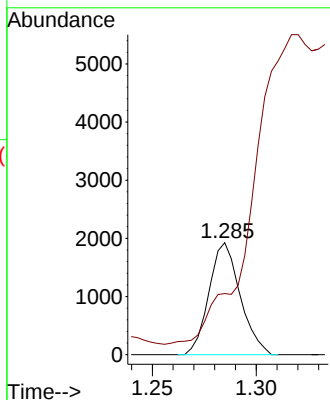
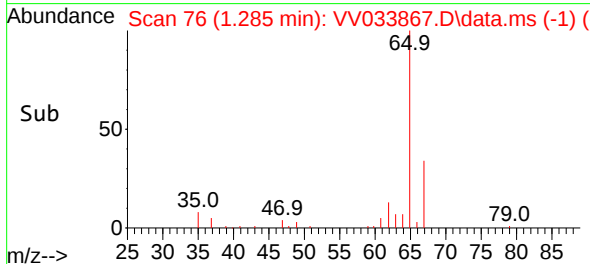
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2023-07



Tgt Ion: 62 Resp: 2000
 Ion Ratio Lower Upper
 62 100
 64 54.5 27.2 50.4

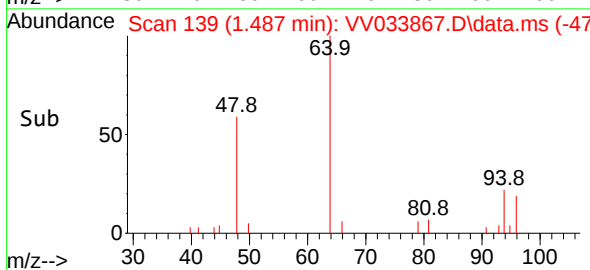
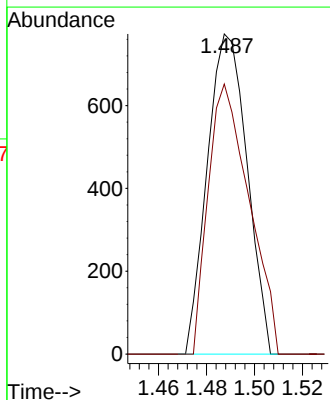
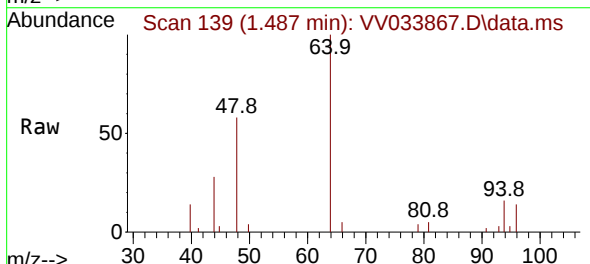
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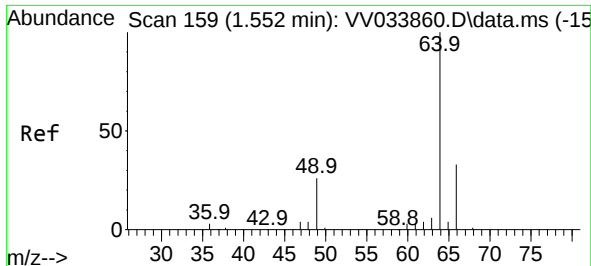
Reviewed By :Mahesh Dadoda 01/26/2024
 Supervised By :Semsettin Yesilyurt 01/26/2024



#6
 Bromomethane
 Concen: 0.176 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.003 min
 Lab File: VV033867.D
 Acq: 25 Jan 2024 14:06

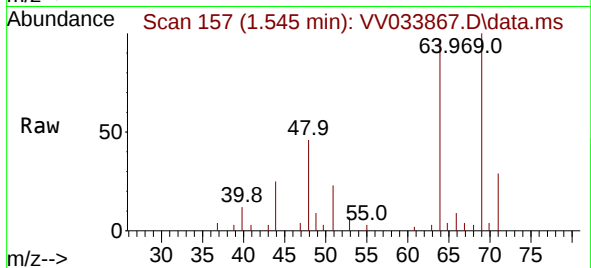
Tgt Ion: 94 Resp: 891
 Ion Ratio Lower Upper
 94 100
 96 84.3 66.6 123.8





#8
Chloroethane
Concen: 0.224 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.006 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

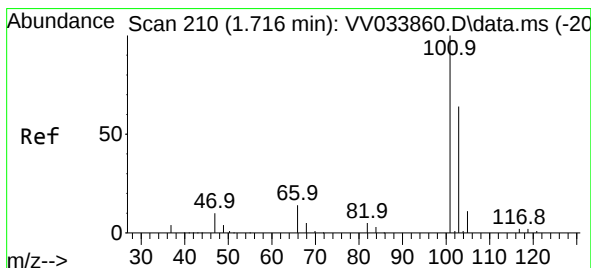
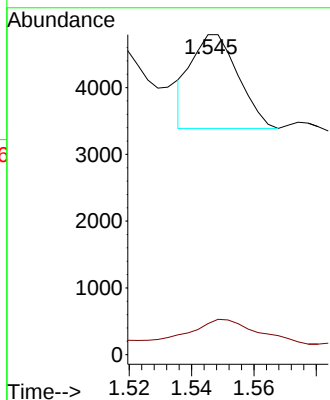
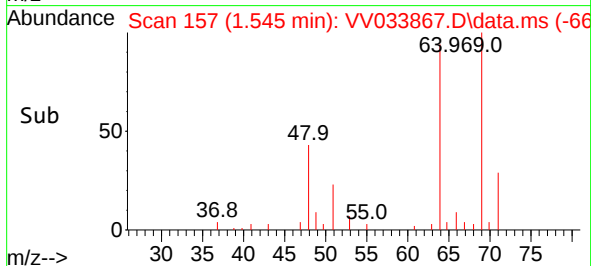
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion: 64 Resp: 146
Ion Ratio Lower Upper
64 100
66 9.4 22.0 41.0

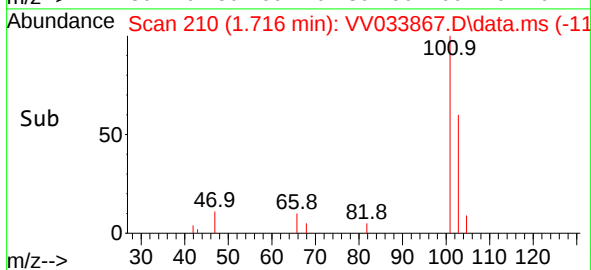
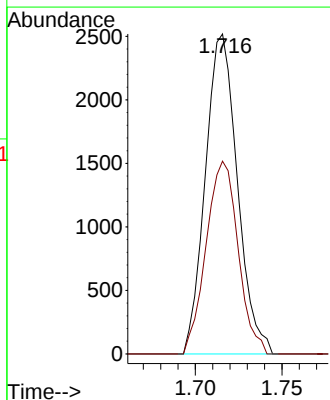
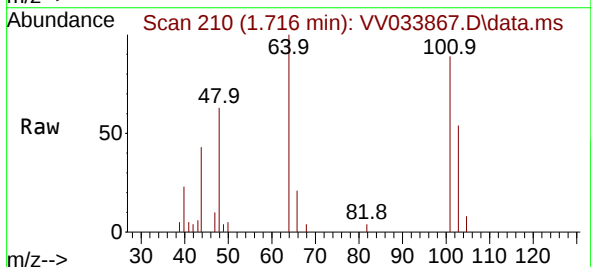
Manual Integrations
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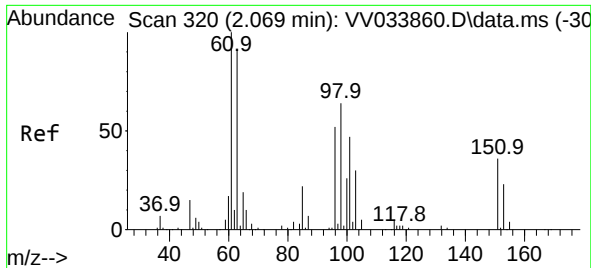
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024



#9
Trichlorofluoromethane
Concen: 0.234 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

Tgt Ion:101 Resp: 3239
Ion Ratio Lower Upper
101 100
103 60.2 51.0 76.4





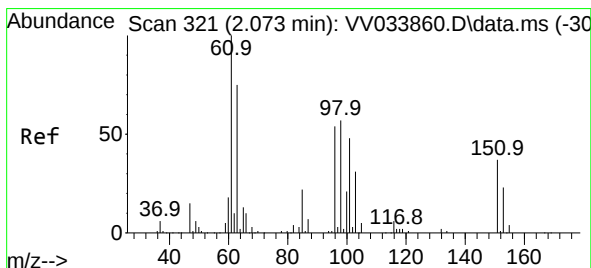
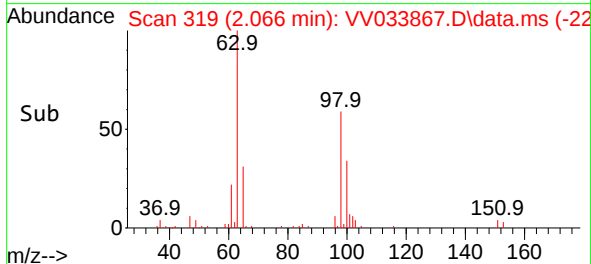
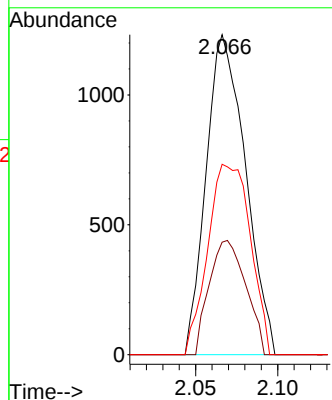
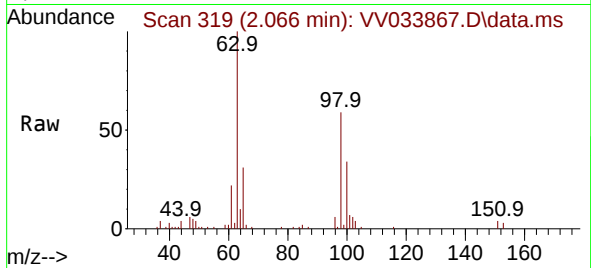
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.283 ug/L
RT: 2.066 min Scan# 319
Delta R.T. -0.003 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

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

Tgt Ion:101 Resp: 2049
Ion Ratio Lower Upper
101 100
85 33.2 37.1 55.7
151 64.4 61.7 92.5

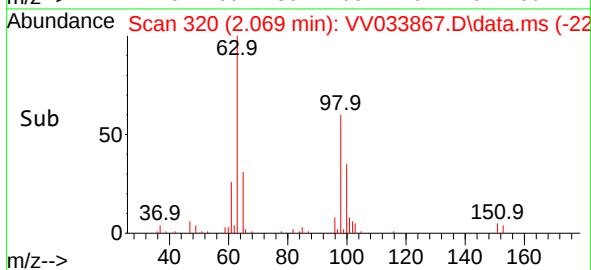
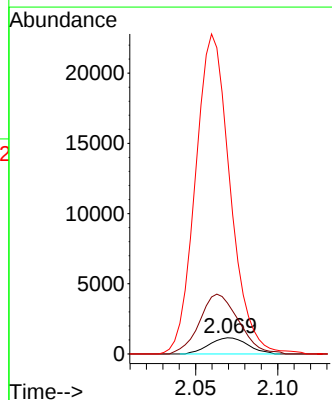
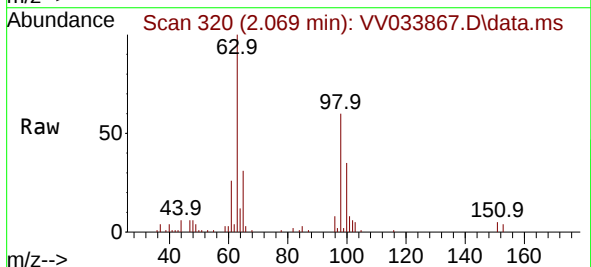
Manual Integrations
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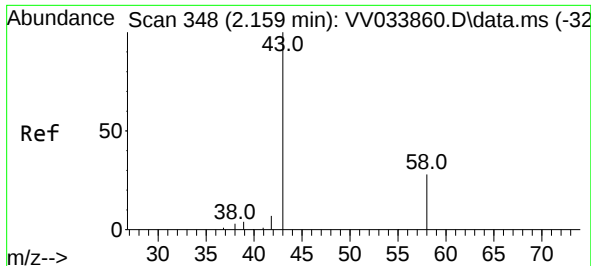
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024



#12
1,1-Dichloroethene
Concen: 0.268 ug/L
RT: 2.069 min Scan# 320
Delta R.T. -0.003 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

Tgt Ion: 96 Resp: 1878
Ion Ratio Lower Upper
96 100
61 314.9 128.8 239.2#
63 1232.3 97.9 181.9#





#13

Acetone

Concen: 2.629 ug/L

RT: 2.118 min Scan# 31

Delta R.T. -0.042 min

Lab File: VV033867.D

Acq: 25 Jan 2024 14:06

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-07

Tgt Ion: 43 Resp: 260

Ion Ratio Lower Upper

43 100

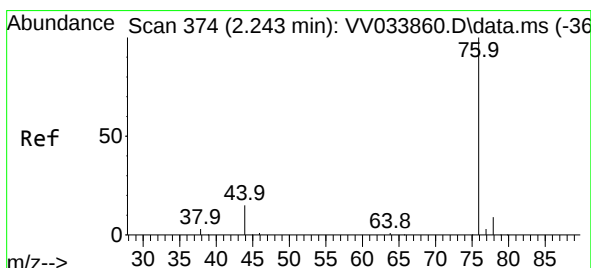
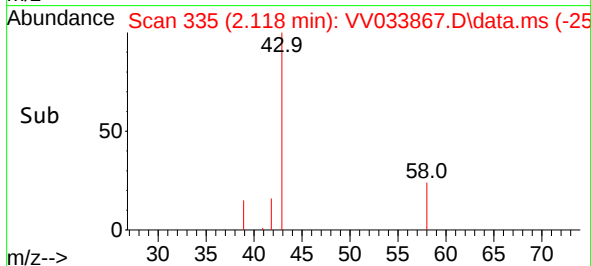
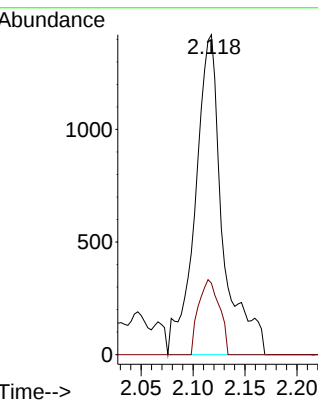
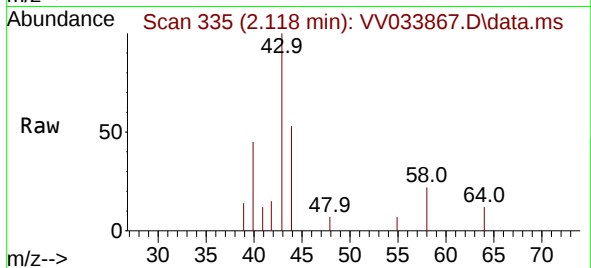
58 17.7 0.0 13.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/26/2024

Supervised By :Semsettin Yesilyurt 01/26/2024



#14

Carbon disulfide

Concen: 0.263 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV033867.D

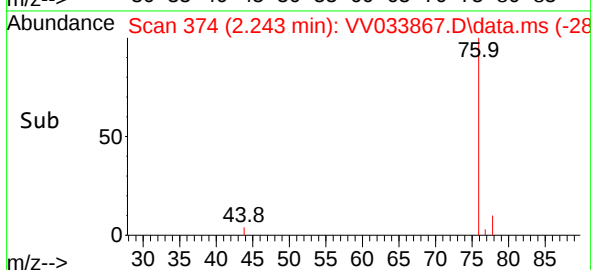
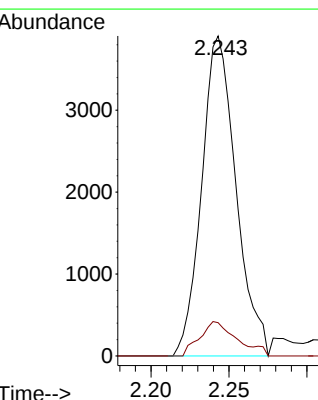
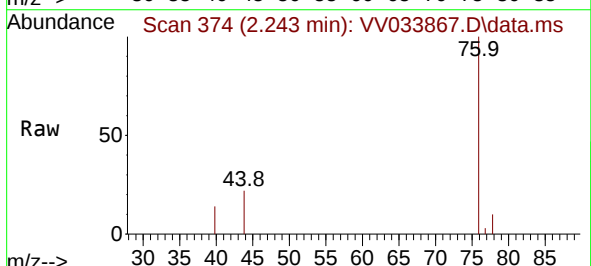
Acq: 25 Jan 2024 14:06

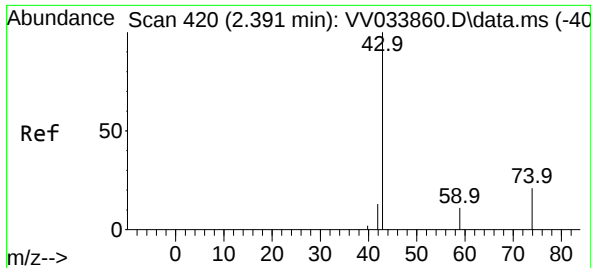
Tgt Ion: 76 Resp: 5974

Ion Ratio Lower Upper

76 100

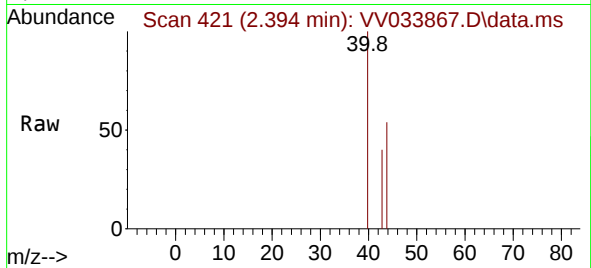
78 10.4 7.5 11.3





#15
Methyl Acetate
Concen: 0.180 ug/L
RT: 2.394 min Scan# 420
Delta R.T. 0.003 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

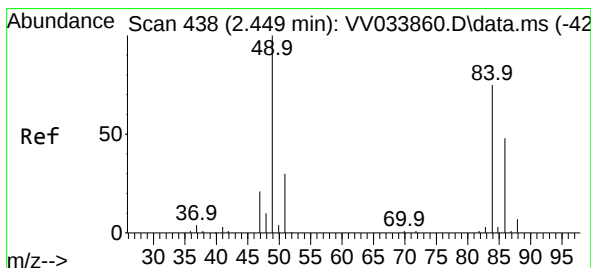
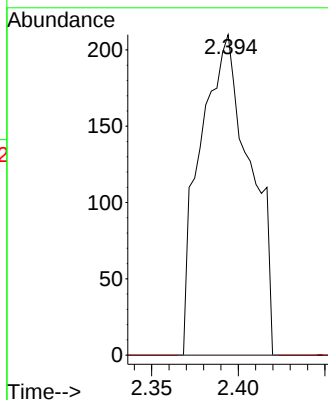
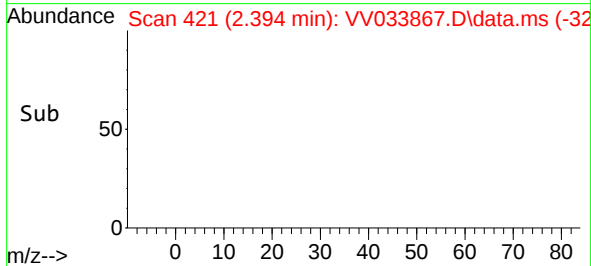
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion: 43 Resp: 420
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.4

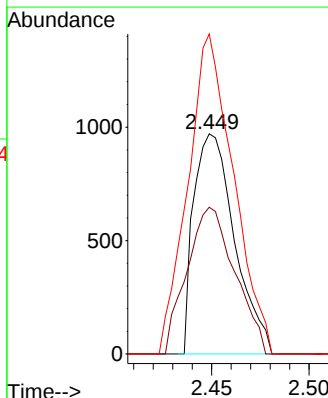
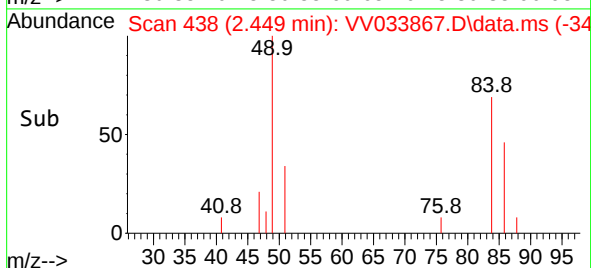
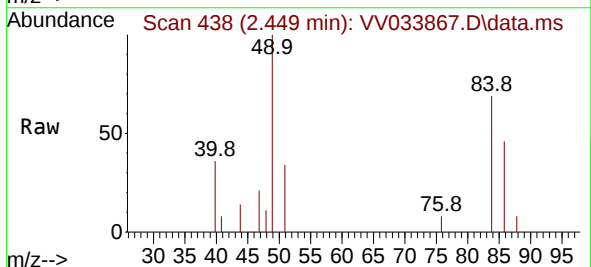
Manual Integrations
APPROVED

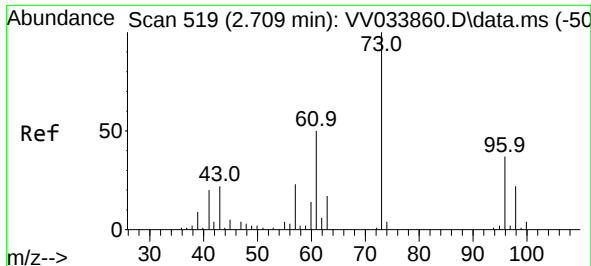
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024



#16
Methylene chloride
Concen: 0.211 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

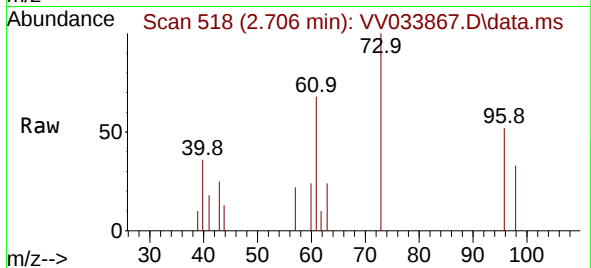
Tgt Ion: 84 Resp: 1418
Ion Ratio Lower Upper
84 100
86 66.6 44.7 83.1
49 145.3 93.7 173.9





#17
Methyl tert-butyl Ether
Concen: 0.227 ug/L
RT: 2.706 min Scan# 519
Delta R.T. -0.003 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

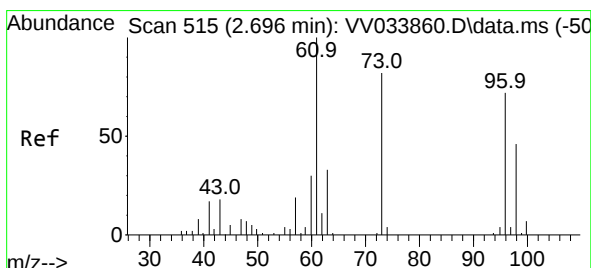
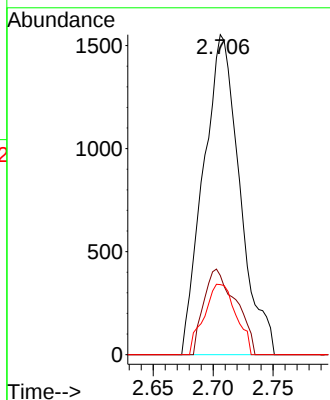
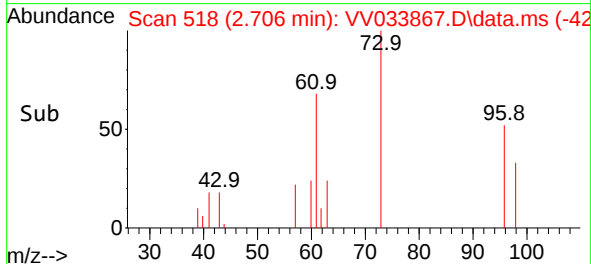
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07



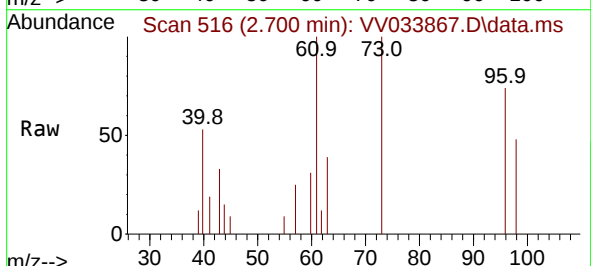
Tgt Ion: 73 Resp: 3270
Ion Ratio Lower Upper
73 100
43 23.7 17.7 26.5
57 19.3 17.9 26.9

Manual Integrations
APPROVED

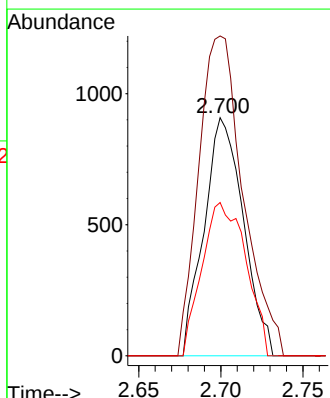
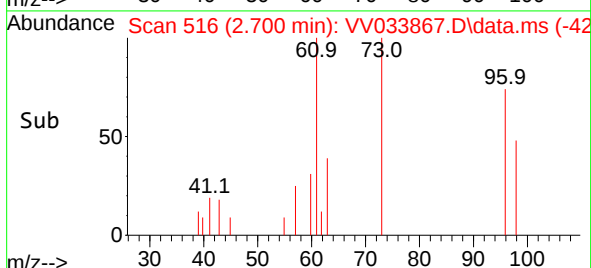
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024

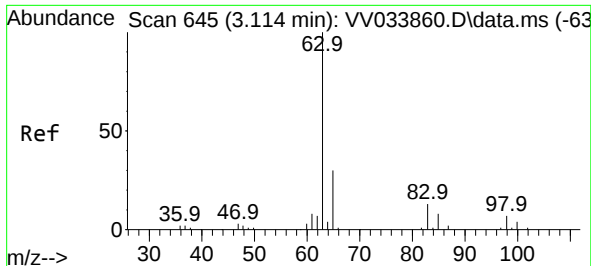


#18
trans-1,2-Dichloroethene
Concen: 0.212 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06



Tgt Ion: 96 Resp: 1514
Ion Ratio Lower Upper
96 100
61 134.4 97.6 181.4
98 64.4 44.4 82.5





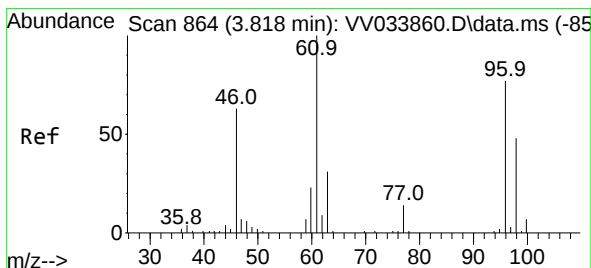
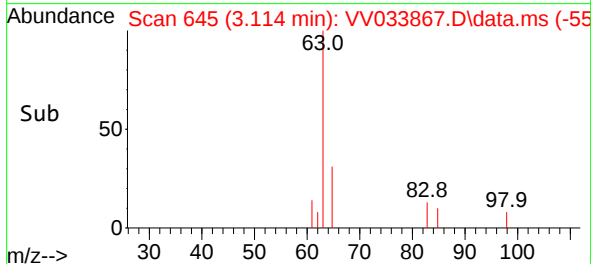
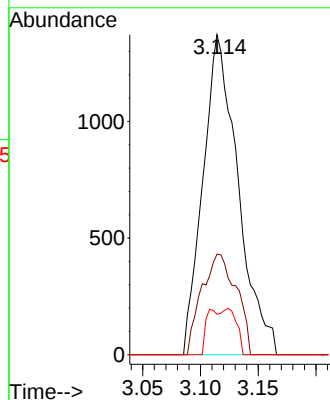
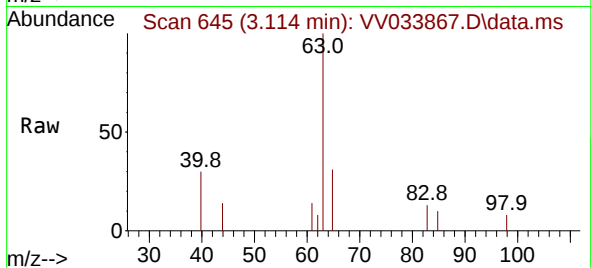
#19
1,1-Dichloroethane
Concen: 0.220 ug/L
RT: 3.114 min Scan# 645
Delta R.T. 0.000 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

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

Tgt Ion: 63 Resp: 289
Ion Ratio Lower Upper
63 100
65 31.4 20.8 38.6
83 12.7 9.4 17.4

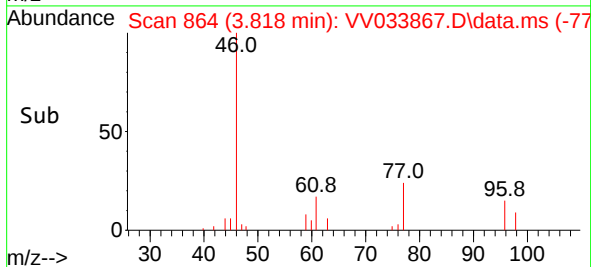
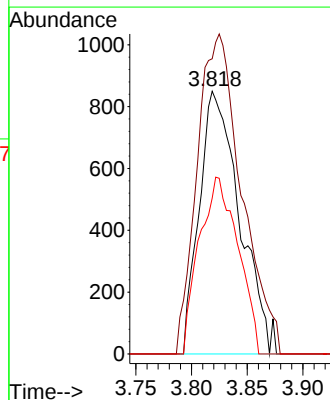
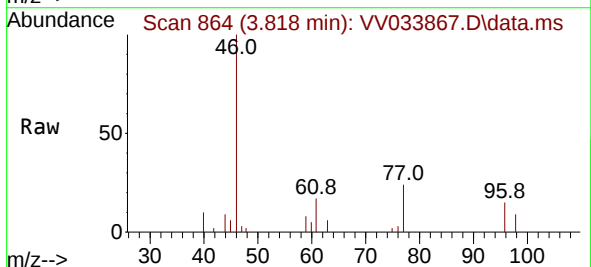
Manual Integrations
APPROVED

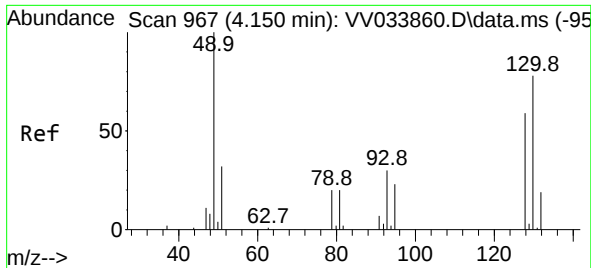
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024



#22
cis-1,2-Dichloroethene
Concen: 0.264 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.000 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

Tgt Ion: 96 Resp: 2141
Ion Ratio Lower Upper
96 100
61 112.4 90.3 167.7
98 59.3 43.2 80.2





#23

Bromochloromethane

Concen: 0.144 ug/L

RT: 4.159 min Scan# 91

Delta R.T. 0.010 min

Lab File: VV033867.D

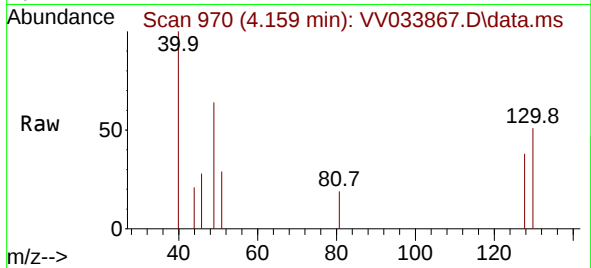
Acq: 25 Jan 2024 14:06

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-07

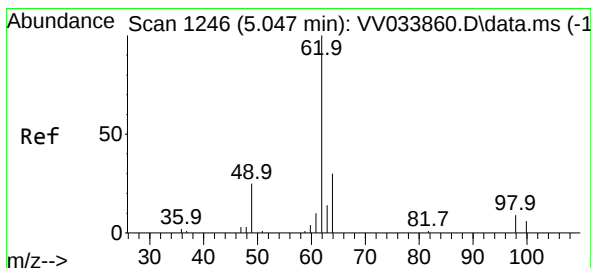
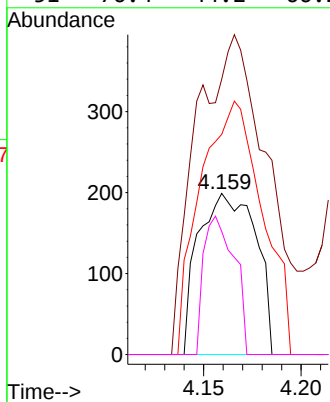
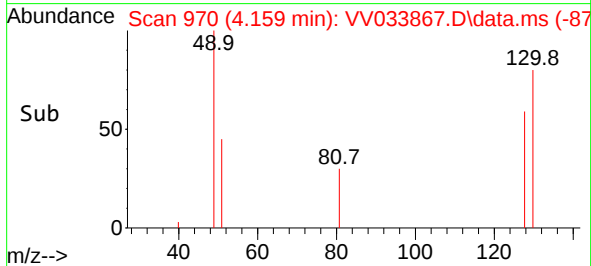


Tgt Ion:	128	Resp:	400
Ion	Ratio	Lower	Upper
128	100		
49	170.9	120.5	223.7
130	136.7	93.4	173.4
51	76.4	44.2	66.2

Manual Integrations

APPROVED

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



#27

1,2-Dichloroethane

Concen: 0.233 ug/L

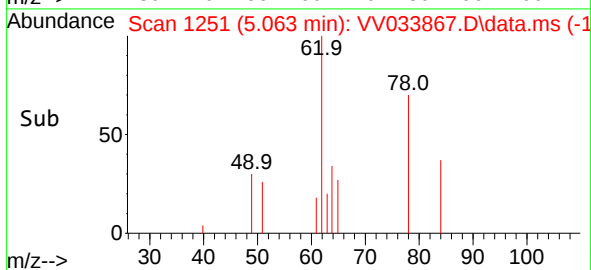
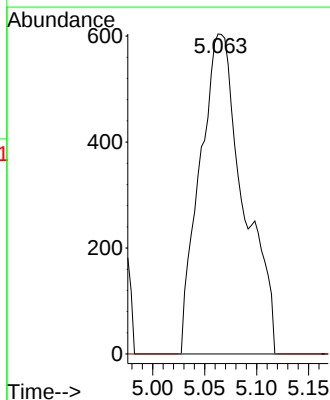
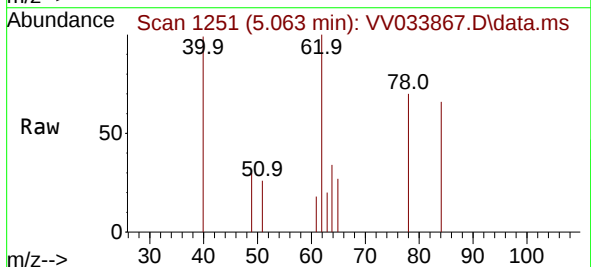
RT: 5.063 min Scan# 1251

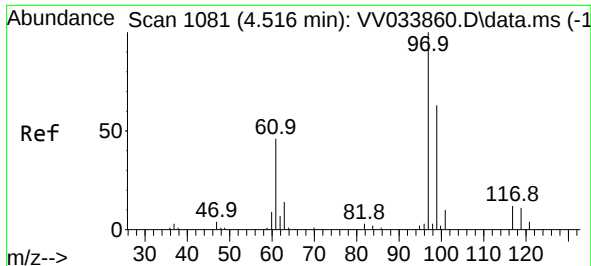
Delta R.T. 0.016 min

Lab File: VV033867.D

Acq: 25 Jan 2024 14:06

Tgt Ion:	62	Resp:	1769
Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.9	10.3





#29

1,1,1-Trichloroethane

Concen: 0.240 ug/L

RT: 4.510 min Scan# 1081

Delta R.T. -0.006 min

Lab File: VV033867.D

Acq: 25 Jan 2024 14:06

Instrument :

MSVOA_V

ClientSampleId :

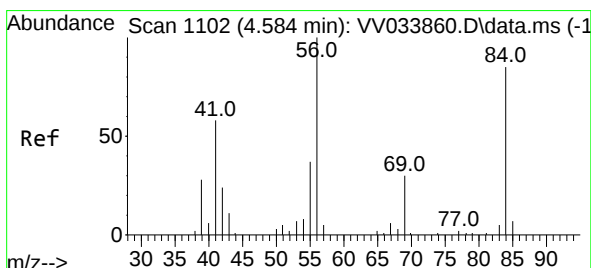
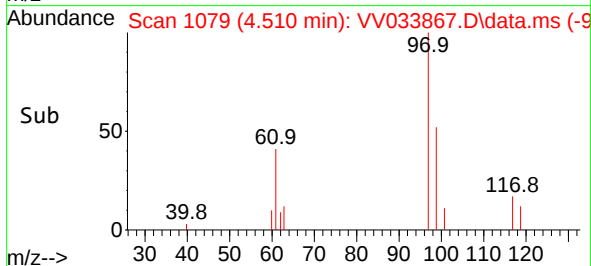
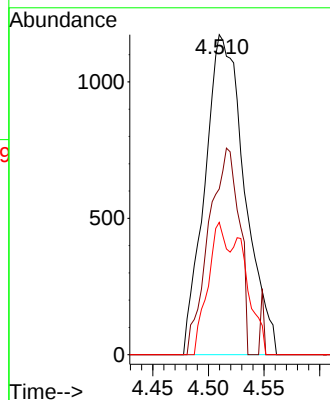
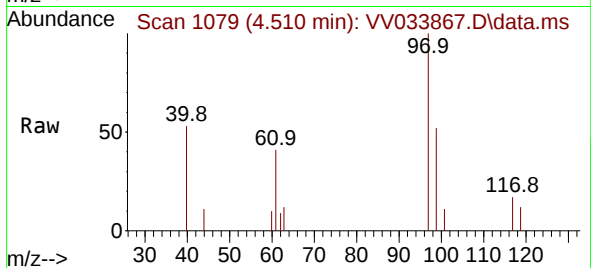
MDL-WATER-QT4-2023-07

Tgt Ion: 97	Resp: 291
Ion Ratio	Lower Upper
97 100	
99 49.4	50.6 75.8
61 21.4	36.8 55.2

Manual Integrations

APPROVED

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



#30

Cyclohexane

Concen: 0.222 ug/L

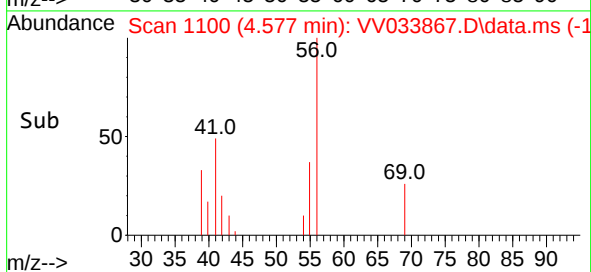
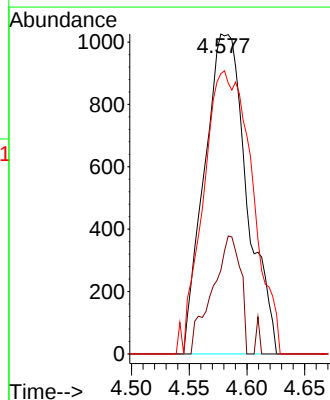
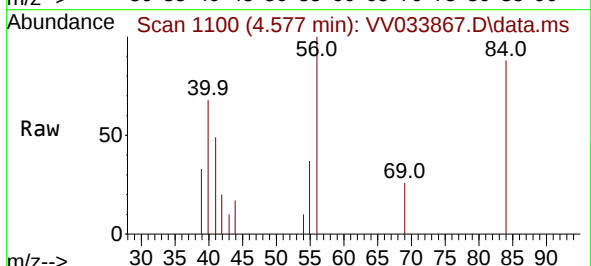
RT: 4.577 min Scan# 1100

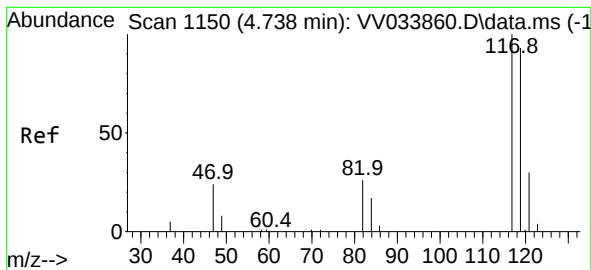
Delta R.T. -0.006 min

Lab File: VV033867.D

Acq: 25 Jan 2024 14:06

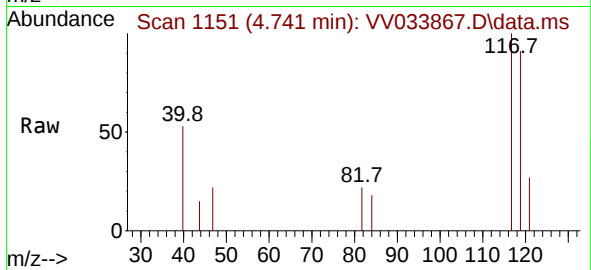
Tgt Ion: 56	Resp: 2623
Ion Ratio	Lower Upper
56 100	
69 24.4	24.2 36.2
84 101.8	70.0 105.0





#31
Carbon tetrachloride
Concen: 0.224 ug/L
RT: 4.741 min Scan# 1150
Delta R.T. 0.003 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

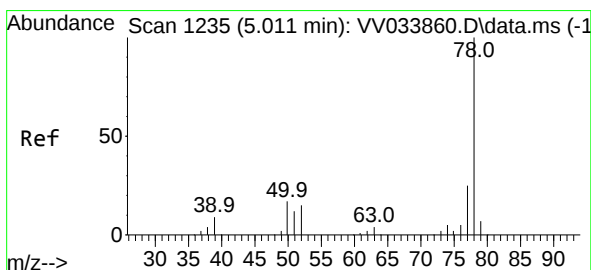
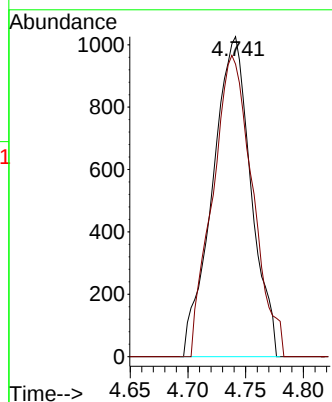
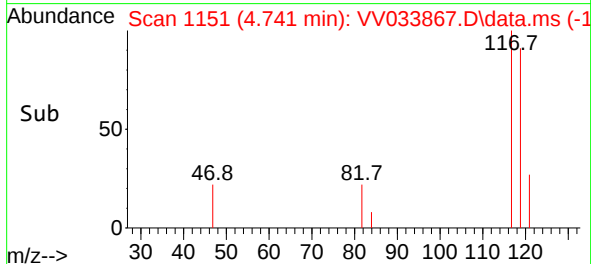
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion:117 Resp: 2378
Ion Ratio Lower Upper
117 100
119 97.5 76.1 114.1

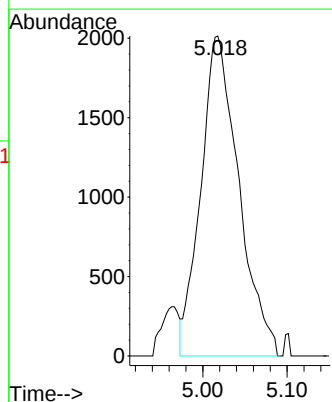
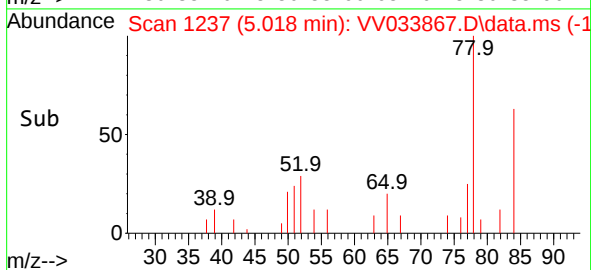
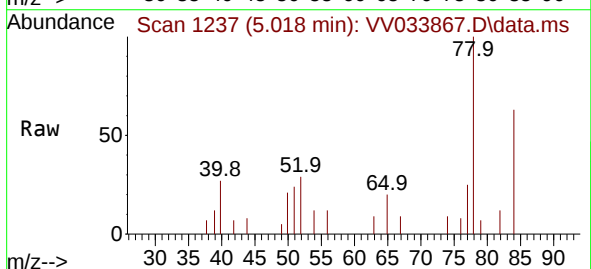
Manual Integrations
APPROVED

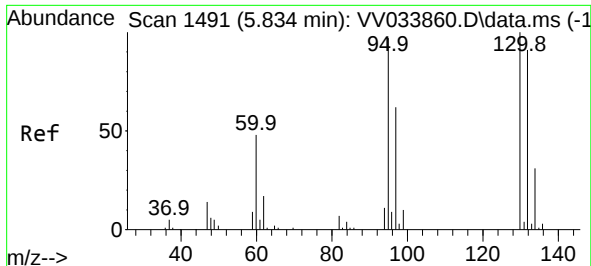
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024



#33
Benzene
Concen: 0.233 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.006 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

Tgt Ion: 78 Resp: 6306





#34

Trichloroethene

Concen: 0.229 ug/L

RT: 5.847 min Scan# 1491

Delta R.T. 0.013 min

Lab File: VV033867.D

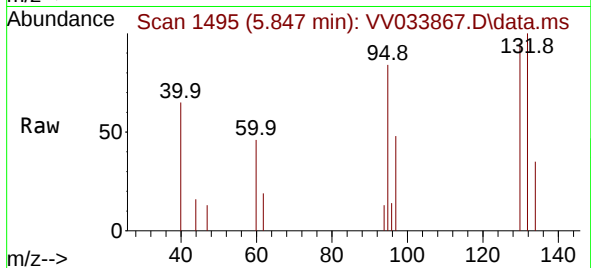
Acq: 25 Jan 2024 14:06

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-07



Tgt Ion: 95 Resp: 179

Ion Ratio Lower Upper

95 100

97 57.4 45.1 83.7

132 118.8 66.0 122.6

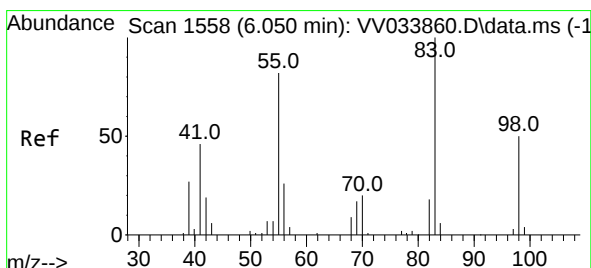
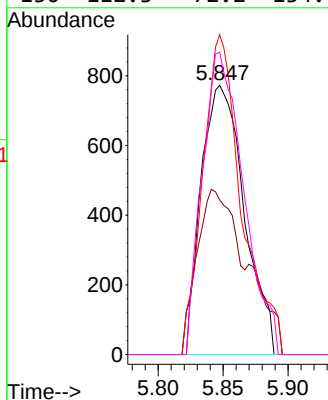
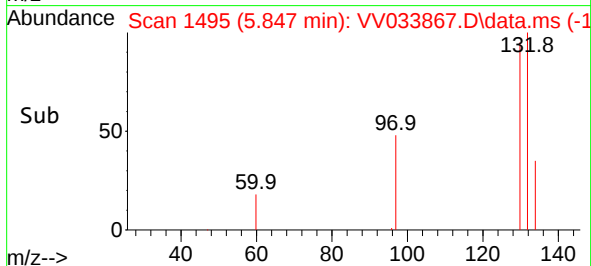
130 112.3 72.2 134.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/26/2024

Supervised By :Semsettin Yesilyurt 01/26/2024



#35

Methylcyclohexane

Concen: 0.233 ug/L m

RT: 6.040 min Scan# 1555

Delta R.T. -0.010 min

Lab File: VV033867.D

Acq: 25 Jan 2024 14:06

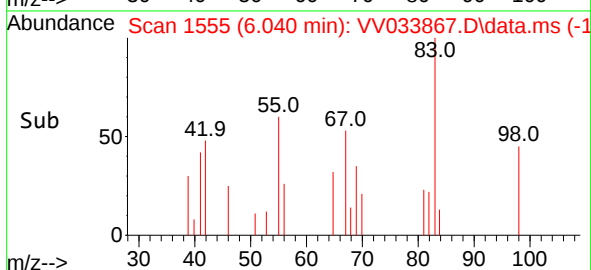
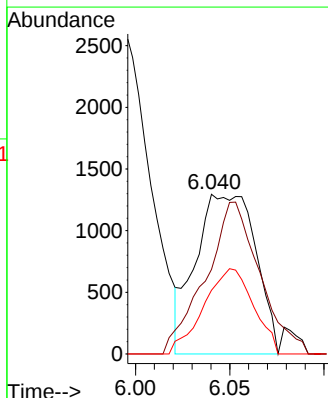
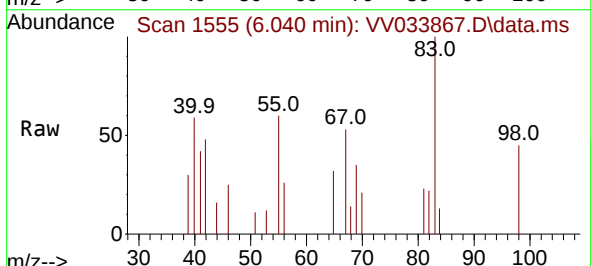
Tgt Ion: 83 Resp: 2870

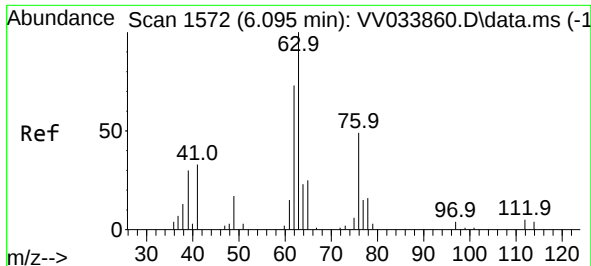
Ion Ratio Lower Upper

83 100

55 85.7 63.5 95.3

98 44.2 39.0 58.4





#37

1,2-Dichloropropane

Concen: 0.210 ug/L

RT: 6.101 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VV033867.D

Acq: 25 Jan 2024 14:06

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-07

Tgt Ion: 63 Resp: 1380

Ion Ratio Lower Upper

63 100

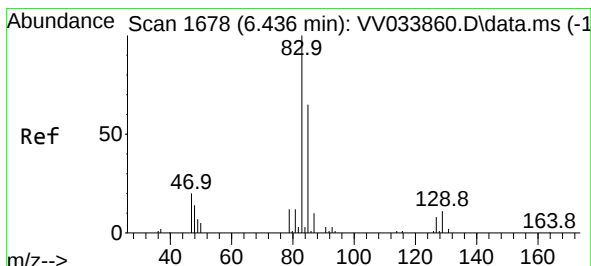
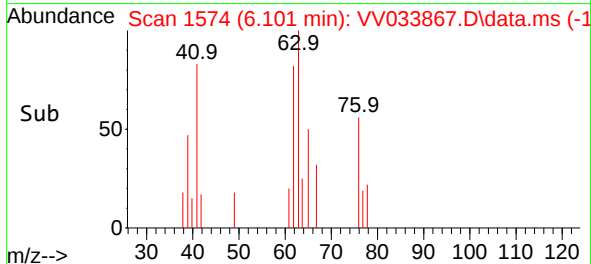
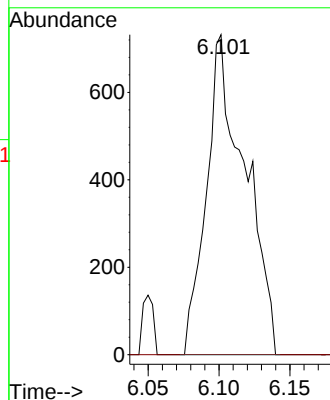
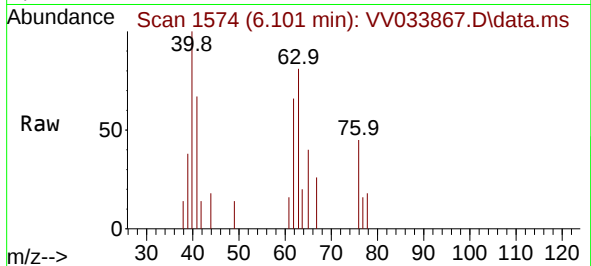
112 0.0 3.4 5.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/26/2024

Supervised By :Semsettin Yesilyurt 01/26/2024



#38

Bromodichloromethane

Concen: 0.206 ug/L

RT: 6.445 min Scan# 1681

Delta R.T. 0.010 min

Lab File: VV033867.D

Acq: 25 Jan 2024 14:06

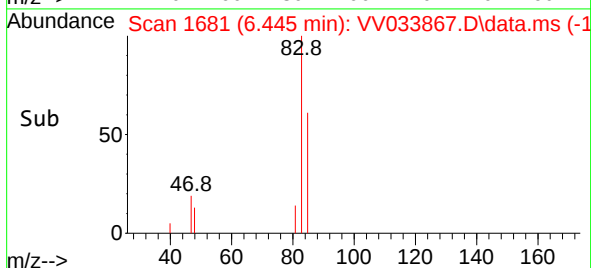
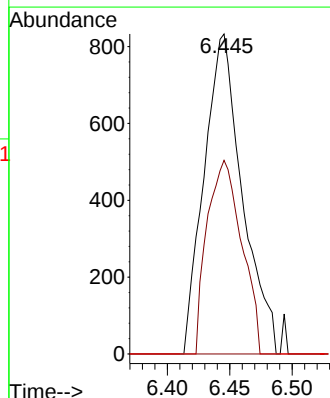
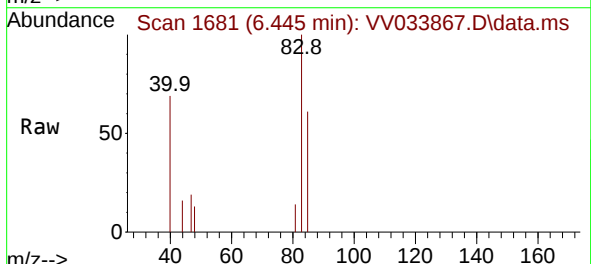
Tgt Ion: 83 Resp: 1774

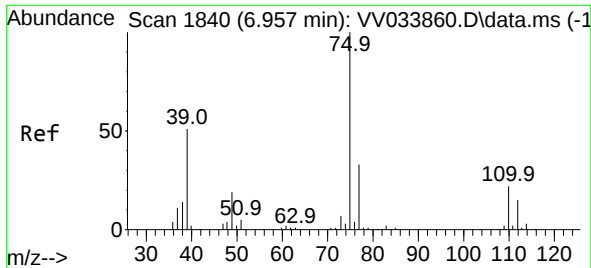
Ion Ratio Lower Upper

83 100

85 60.5 45.4 84.2

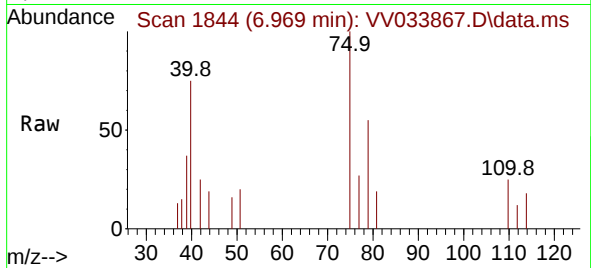
127 0.0 6.5 9.7





#39
 cis-1,3-Dichloropropene
 Concen: 0.212 ug/L
 RT: 6.969 min Scan# 118
 Delta R.T. 0.013 min
 Lab File: VV033867.D
 Acq: 25 Jan 2024 14:06

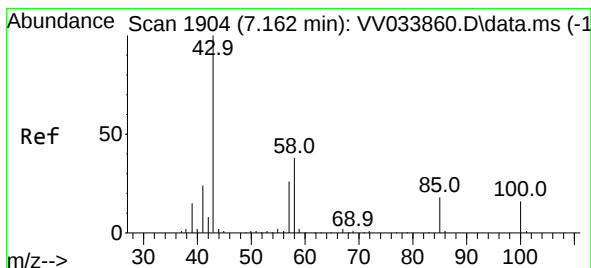
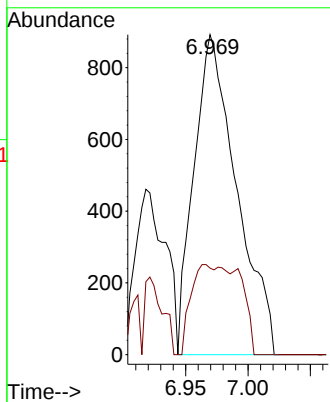
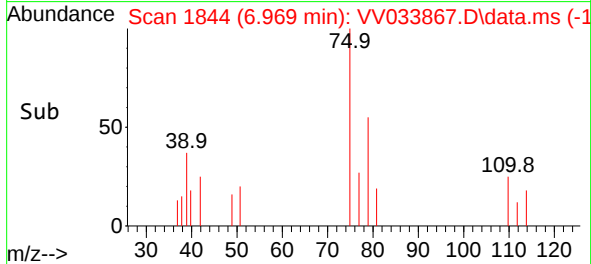
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2023-07



Tgt Ion: 75 Resp: 2118
 Ion Ratio Lower Upper
 75 100
 77 27.0 22.9 42.5

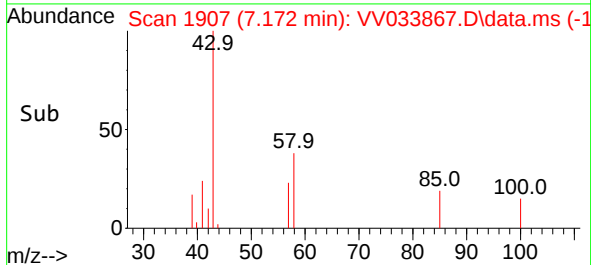
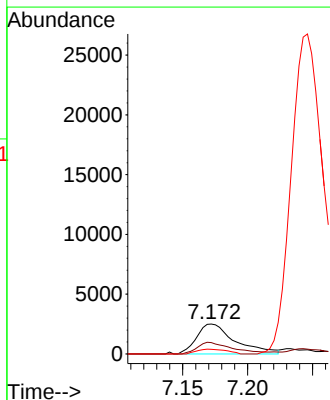
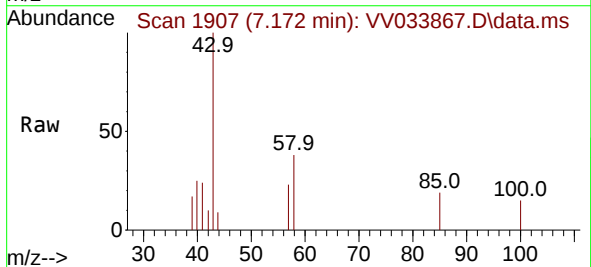
Manual Integrations
 APPROVED

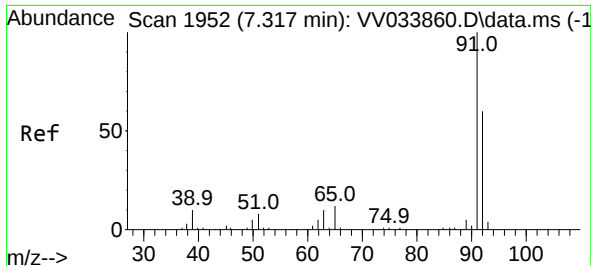
Reviewed By :Mahesh Dadoda 01/26/2024
 Supervised By :Semsettin Yesilyurt 01/26/2024



#40
 4-Methyl-2-pentanone
 Concen: 1.642 ug/L
 RT: 7.172 min Scan# 1907
 Delta R.T. 0.010 min
 Lab File: VV033867.D
 Acq: 25 Jan 2024 14:06

Tgt Ion: 43 Resp: 5158
 Ion Ratio Lower Upper
 43 100
 58 36.3 30.2 45.2
 100 0.0 12.1 18.1





#42

Toluene

Concen: 0.231 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.006 min

Lab File: VV033867.D

Acq: 25 Jan 2024 14:06

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-07

Tgt Ion: 91 Resp: 6694

Ion Ratio Lower Upper

91 100

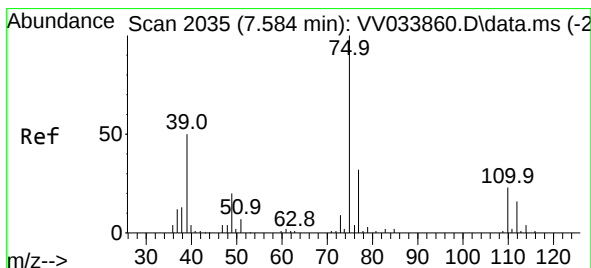
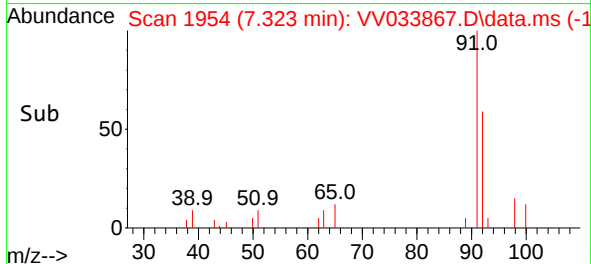
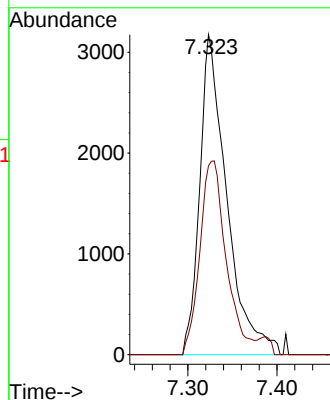
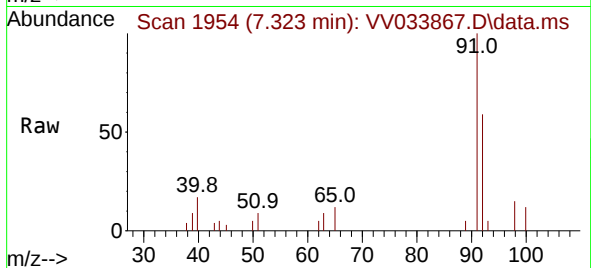
92 59.1 42.1 78.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/26/2024

Supervised By :Semsettin Yesilyurt 01/26/2024



#44

trans-1,3-Dichloropropene

Concen: 0.234 ug/L

RT: 7.596 min Scan# 2039

Delta R.T. 0.013 min

Lab File: VV033867.D

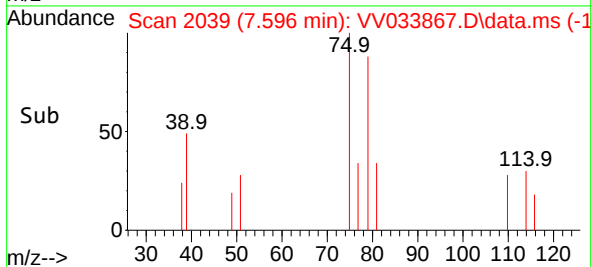
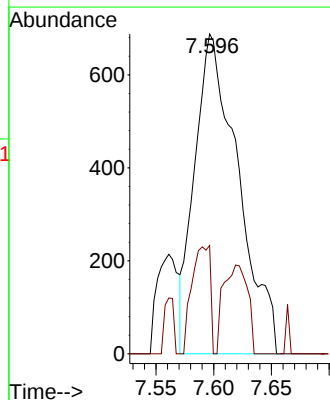
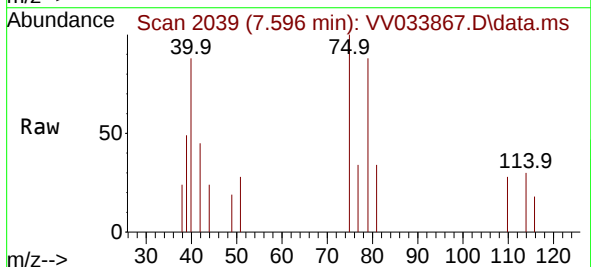
Acq: 25 Jan 2024 14:06

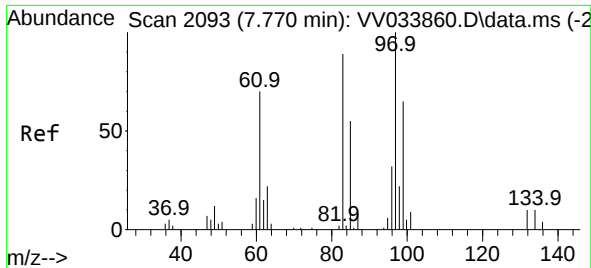
Tgt Ion: 75 Resp: 1796

Ion Ratio Lower Upper

75 100

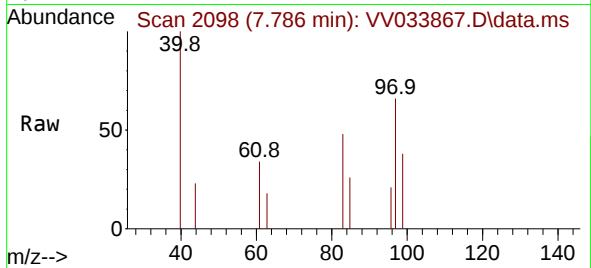
77 33.9 22.2 41.2





#45
1,1,2-Trichloroethane
Concen: 0.208 ug/L
RT: 7.786 min Scan# 2093
Delta R.T. 0.016 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

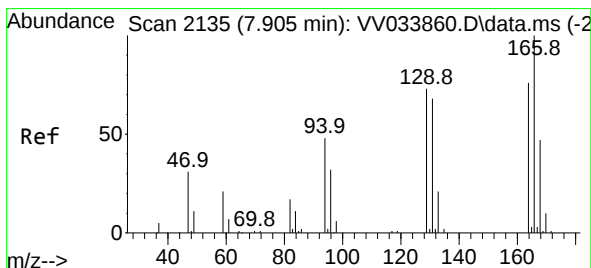
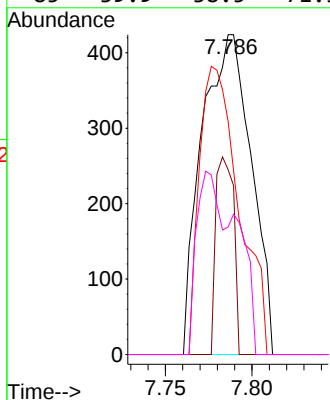
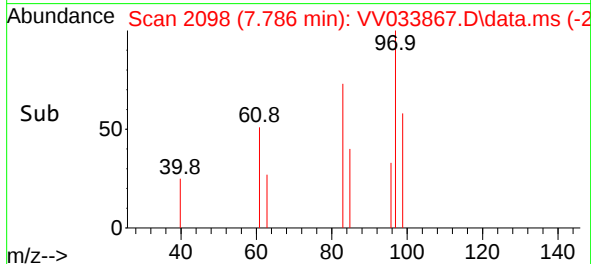
Instrument : MSVOA_V
ClientSampleId : VV033867.D
MDL-WATER-QT4-2023-07



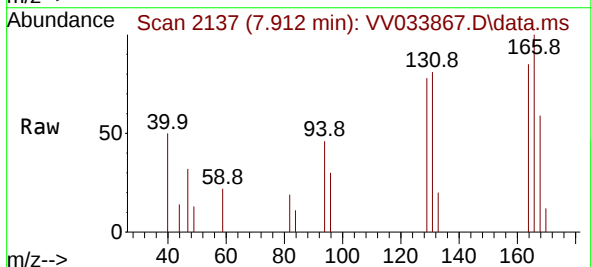
Tgt Ion	Ratio	Lower	Upper
97	100		
99	57.8	45.6	84.6
83	72.9	62.3	115.7
85	39.9	38.5	71.5

Manual Integrations
APPROVED

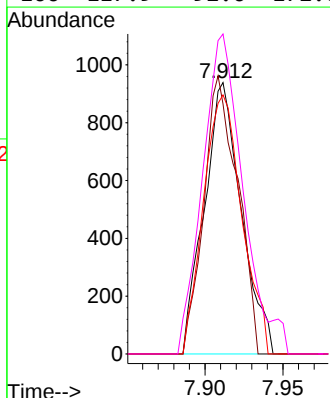
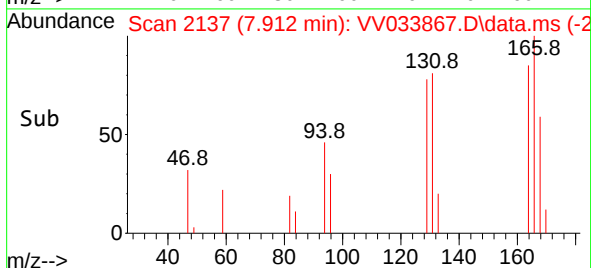
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024

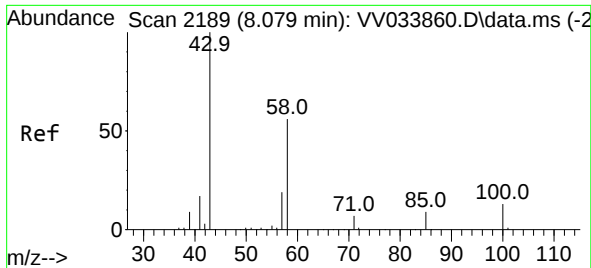


#47
Tetrachloroethene
Concen: 0.244 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.006 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06



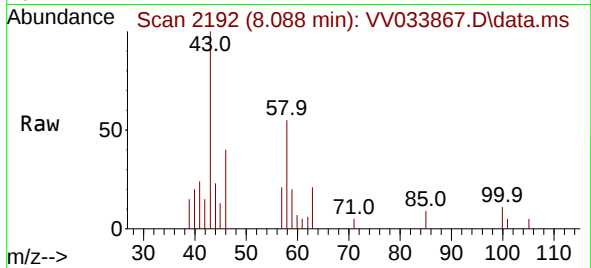
Tgt Ion	Ratio	Lower	Upper
164	100		
129	92.1	67.8	125.8
131	95.4	63.0	117.0
166	117.9	92.6	172.0





#48
2-Hexanone
Concen: 3.674 ug/L m
RT: 8.088 min Scan# 2189
Delta R.T. 0.010 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

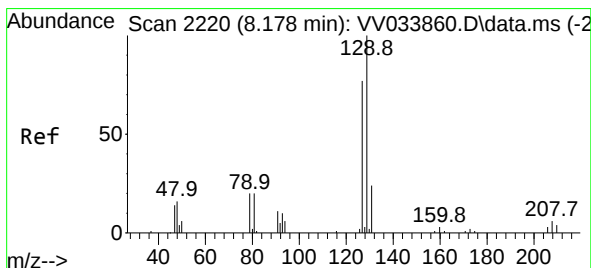
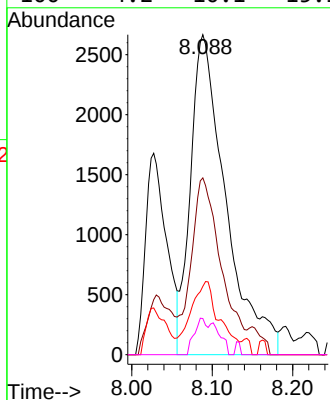
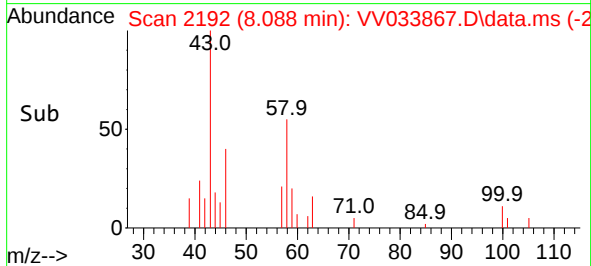
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07



Tgt Ion: 43 Resp: 813
Ion Ratio Lower Upper
43 100
58 38.3 42.6 64.0
57 19.1 15.5 23.3
100 4.2 10.1 15.1#

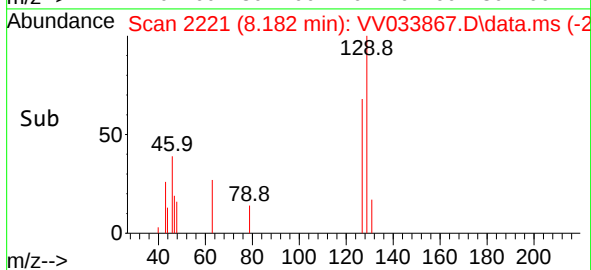
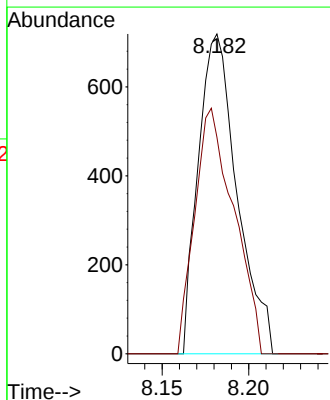
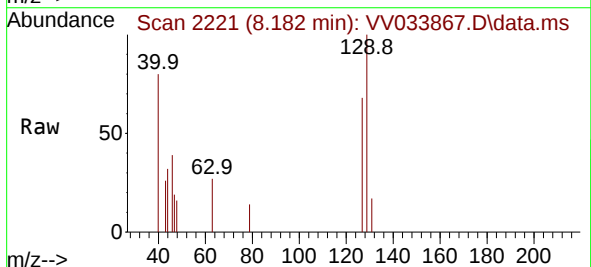
Manual Integrations
APPROVED

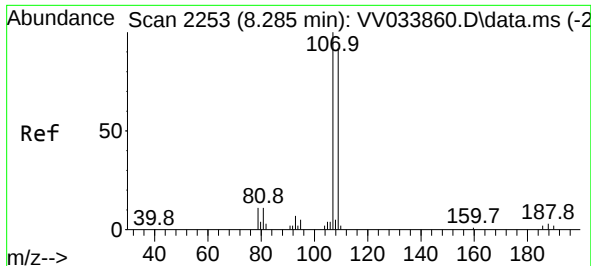
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024



#49
Dibromochloromethane
Concen: 0.233 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.003 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

Tgt Ion:129 Resp: 1121
Ion Ratio Lower Upper
129 100
127 67.7 53.5 99.5





#50

1,2-Dibromoethane

Concen: 0.210 ug/L

RT: 8.294 min Scan# 21

Delta R.T. 0.010 min

Lab File: VV033867.D

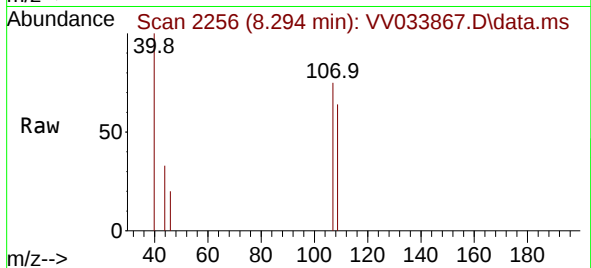
Acq: 25 Jan 2024 14:06

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-07



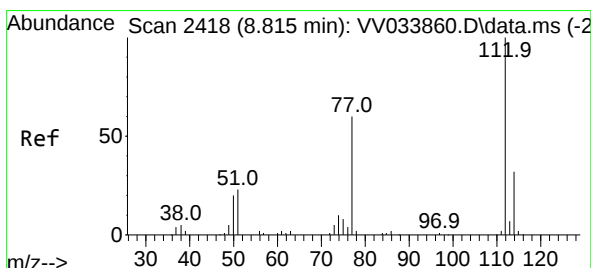
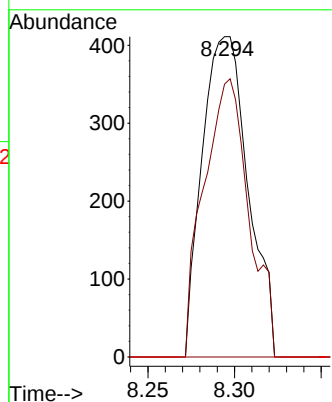
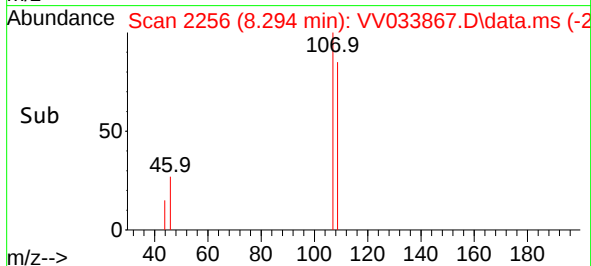
Tgt Ion:	107	Resp:	762
Ion	Ratio	Lower	Upper
107	100		
109	85.2	64.5	119.9
188	0.0	2.6	4.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/26/2024

Supervised By :Semsettin Yesilyurt 01/26/2024



#51

Chlorobenzene

Concen: 0.216 ug/L

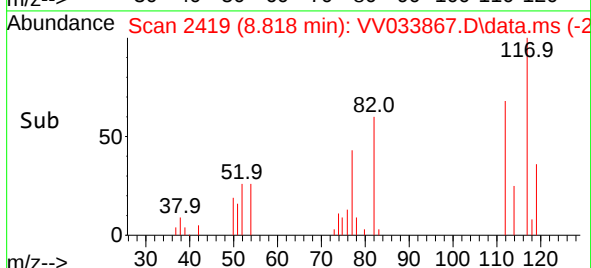
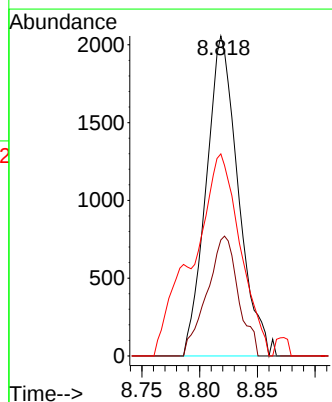
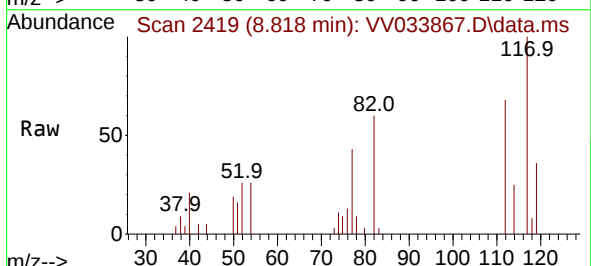
RT: 8.818 min Scan# 2419

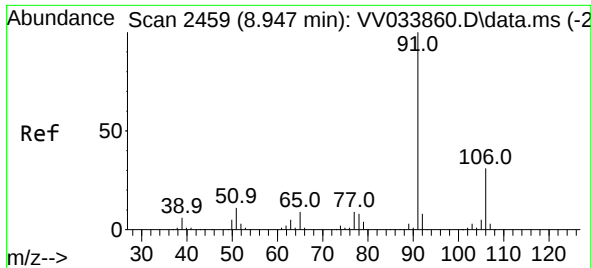
Delta R.T. 0.003 min

Lab File: VV033867.D

Acq: 25 Jan 2024 14:06

Tgt Ion:	112	Resp:	3958
Ion	Ratio	Lower	Upper
112	100		
114	36.3	22.5	41.7
77	63.2	48.1	72.1





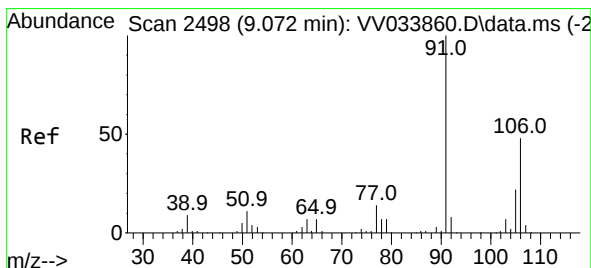
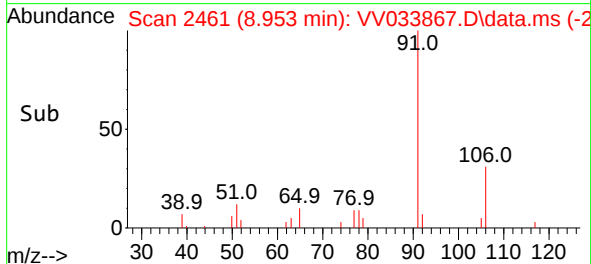
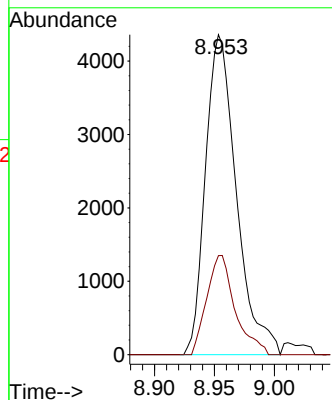
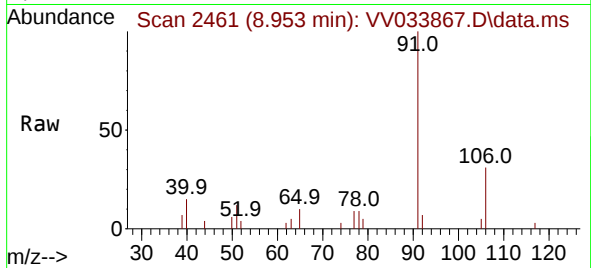
#52
Ethylbenzene
Concen: 0.234 ug/L
RT: 8.953 min Scan# 2459
Delta R.T. 0.006 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

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

Tgt Ion: 91 Resp: 7810
Ion Ratio Lower Upper
91 100
106 30.9 21.4 39.8

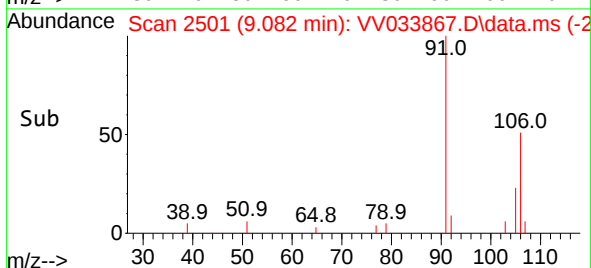
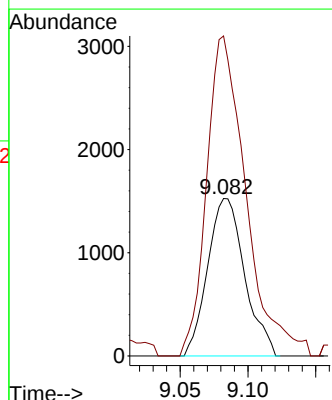
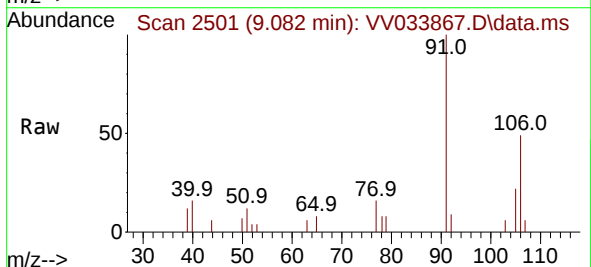
Manual Integrations
APPROVED

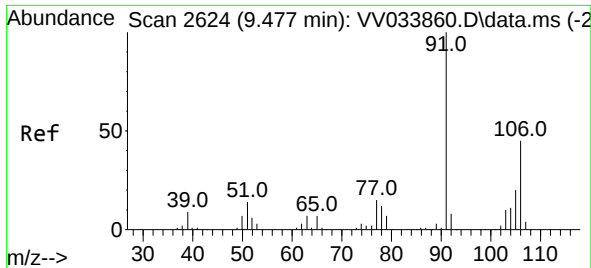
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024



#53
m,p-Xylene
Concen: 0.230 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.010 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

Tgt Ion:106 Resp: 2894
Ion Ratio Lower Upper
106 100
91 203.3 147.5 273.9





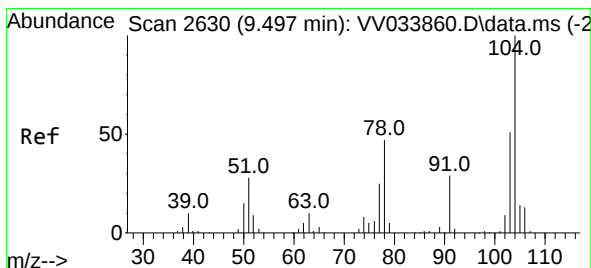
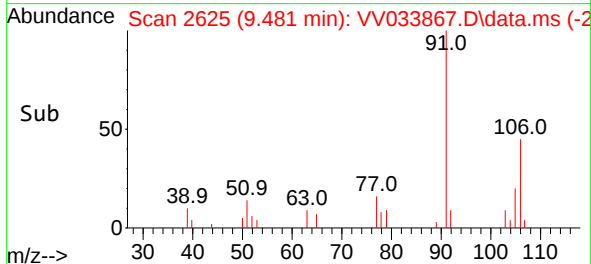
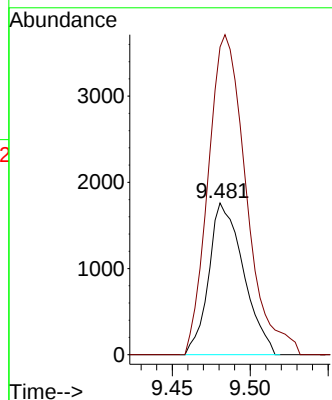
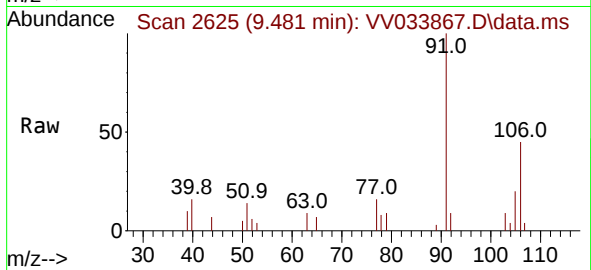
#54
o-Xylene
Concen: 0.224 ug/L
RT: 9.481 min Scan# 2624
Delta R.T. 0.003 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

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

Tgt Ion:106 Resp: 272
Ion Ratio Lower Upper
106 100
91 202.9 156.2 290.0

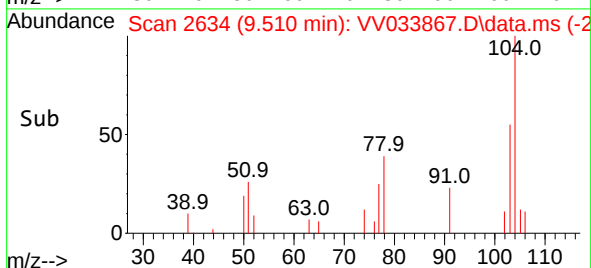
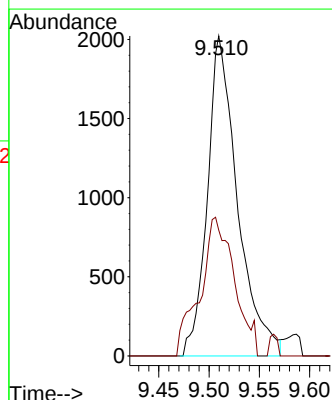
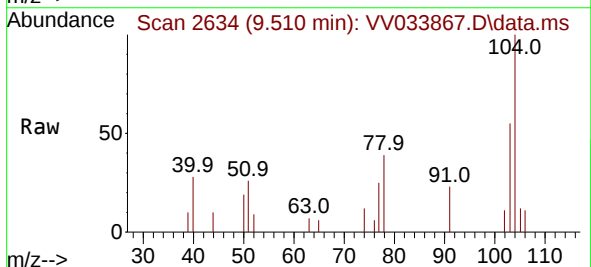
Manual Integrations
APPROVED

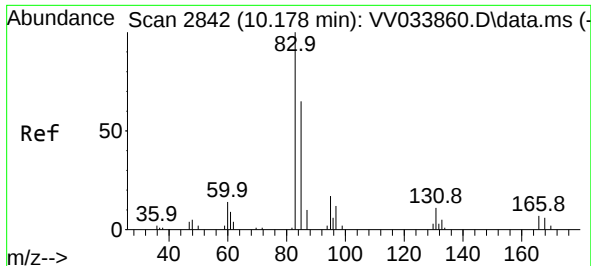
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024



#55
Styrene
Concen: 0.217 ug/L
RT: 9.510 min Scan# 2634
Delta R.T. 0.013 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

Tgt Ion:104 Resp: 4214
Ion Ratio Lower Upper
104 100
78 39.3 32.9 61.1





#57

1,1,2,2-Tetrachloroethane

Concen: 0.236 ug/L

RT: 10.182 min Scan# 2842

Delta R.T. 0.003 min

Lab File: VV033867.D

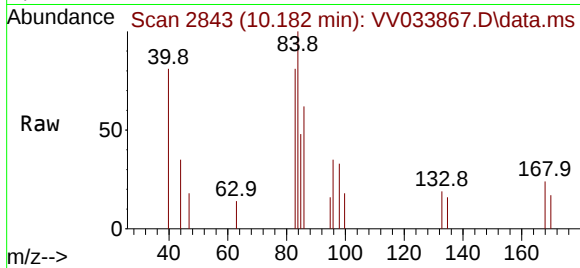
Acq: 25 Jan 2024 14:06

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-07

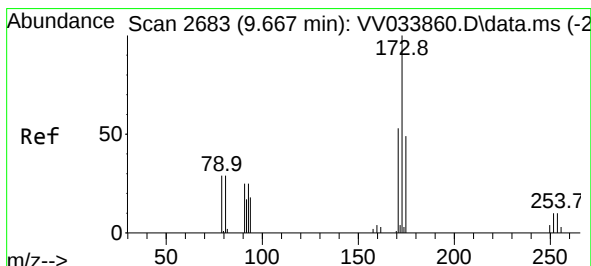
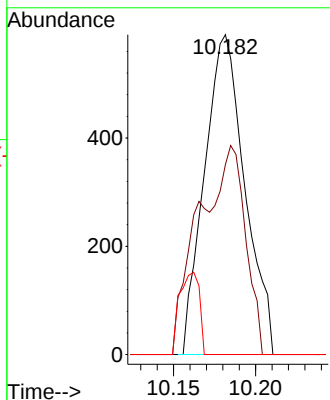
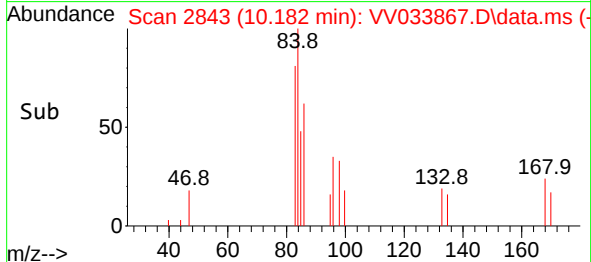


Tgt Ion:	83	Resp:	1010
Ion	Ratio	Lower	Upper
83	100		
85	59.4	46.5	86.3
131	0.0	8.4	12.6

Manual Integrations

APPROVED

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



#59

Bromoform

Concen: 0.200 ug/L

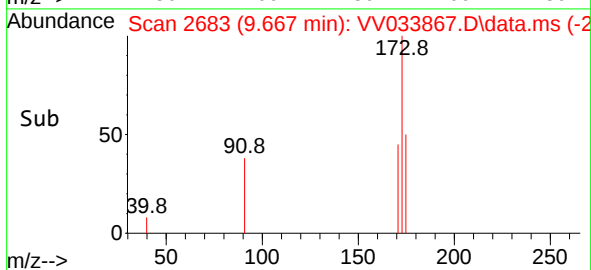
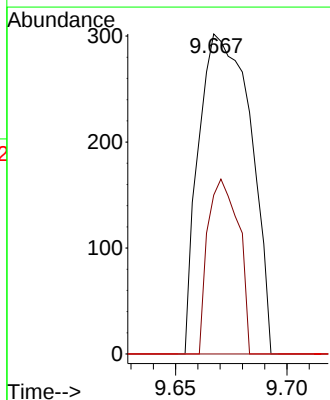
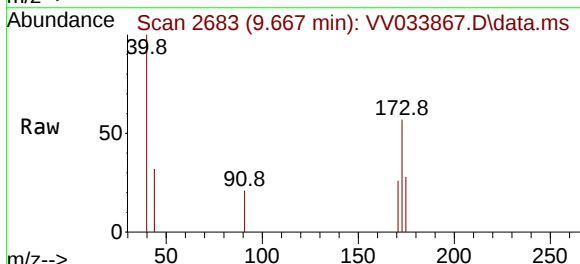
RT: 9.667 min Scan# 2683

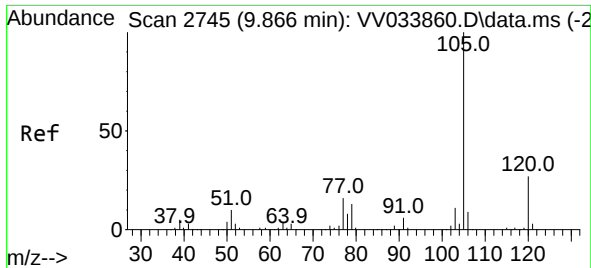
Delta R.T. 0.000 min

Lab File: VV033867.D

Acq: 25 Jan 2024 14:06

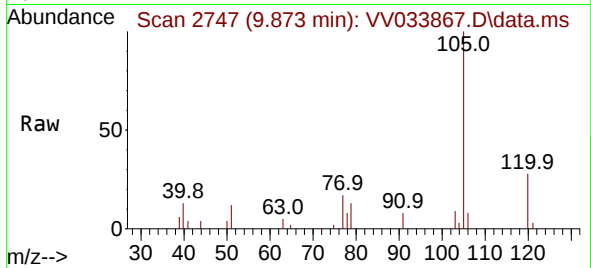
Tgt Ion:	173	Resp:	488
Ion	Ratio	Lower	Upper
173	100		
175	32.6	38.6	57.8#
254	0.0	7.2	10.8#





#60
Isopropylbenzene
Concen: 0.219 ug/L
RT: 9.873 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

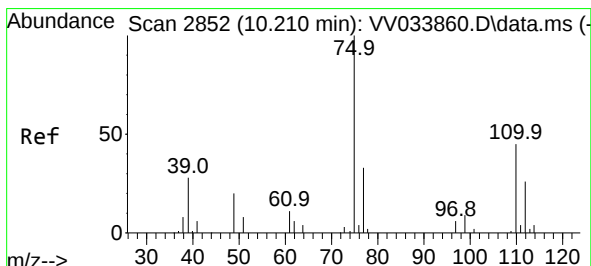
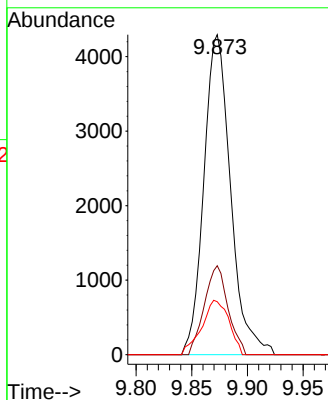
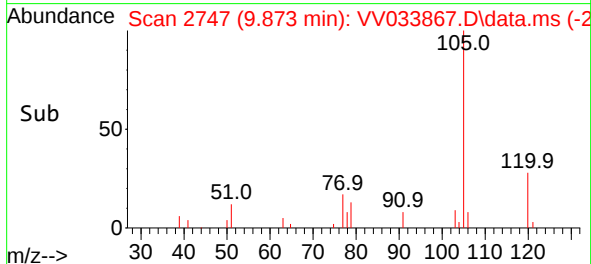
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07



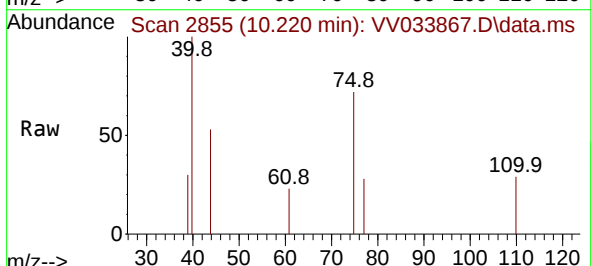
Tgt Ion:105 Resp: 7170
Ion Ratio Lower Upper
105 100
120 24.6 20.7 31.1
77 17.3 13.0 19.6

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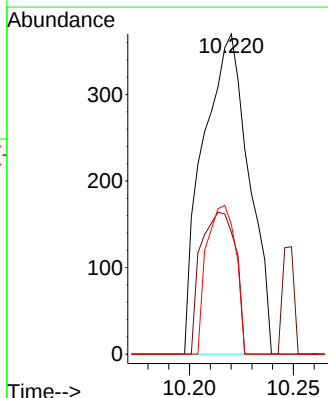
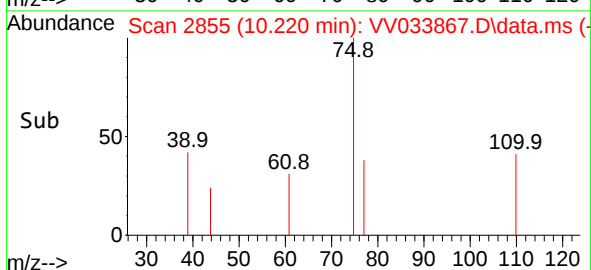
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024

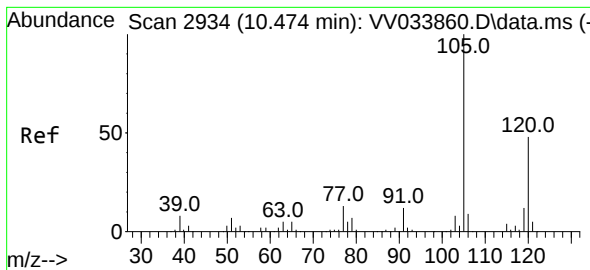


#61
1,2,3-Trichloropropane
Concen: 0.187 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.010 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06



Tgt Ion: 75 Resp: 568
Ion Ratio Lower Upper
75 100
77 33.5 26.9 40.3
110 29.2 33.3 49.9#





#62

1,3,5-Trimethylbenzene

Concen: 0.230 ug/L

RT: 10.481 min Scan# 2934

Delta R.T. 0.006 min

Lab File: VV033867.D

Acq: 25 Jan 2024 14:06

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-07

Tgt Ion:105 Resp: 6349

Ion Ratio Lower Upper

105 100

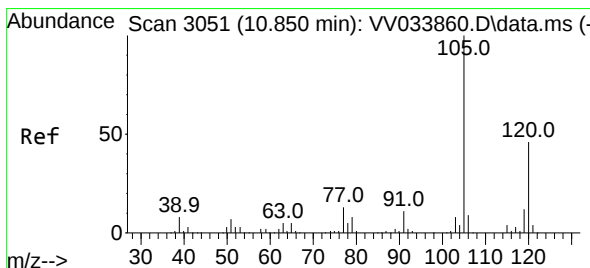
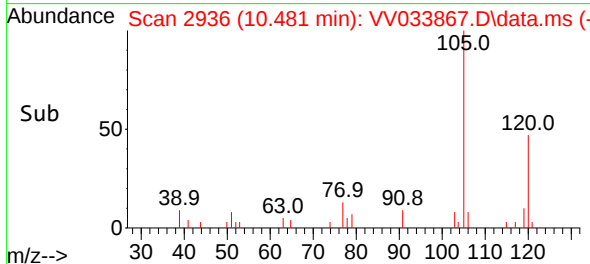
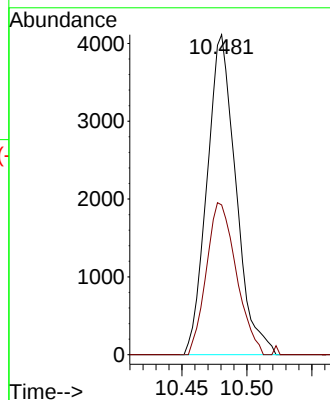
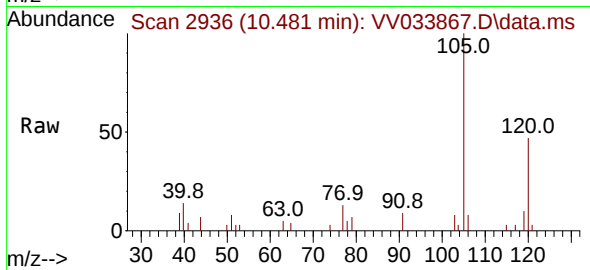
120 49.2 38.2 57.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/26/2024

Supervised By :Semsettin Yesilyurt 01/26/2024



#63

1,2,4-Trimethylbenzene

Concen: 0.231 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.006 min

Lab File: VV033867.D

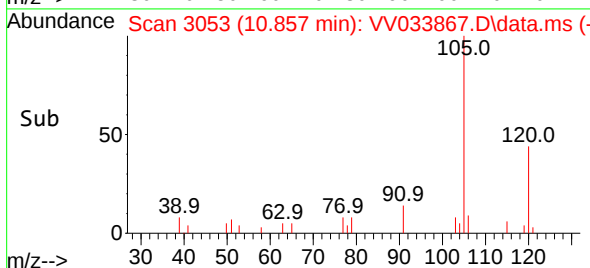
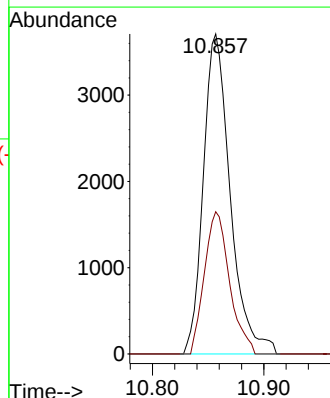
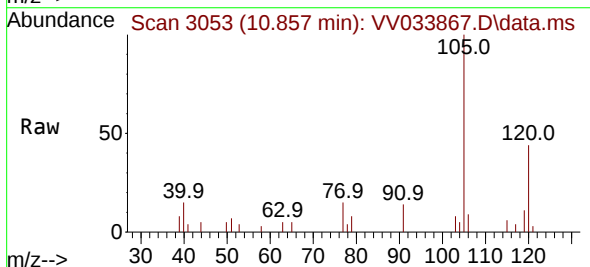
Acq: 25 Jan 2024 14:06

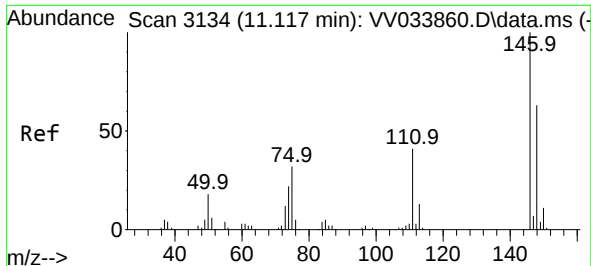
Tgt Ion:105 Resp: 6218

Ion Ratio Lower Upper

105 100

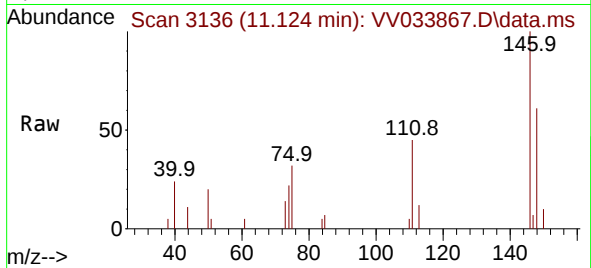
120 41.5 36.2 54.2





#64
1,3-Dichlorobenzene
Concen: 0.246 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.006 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

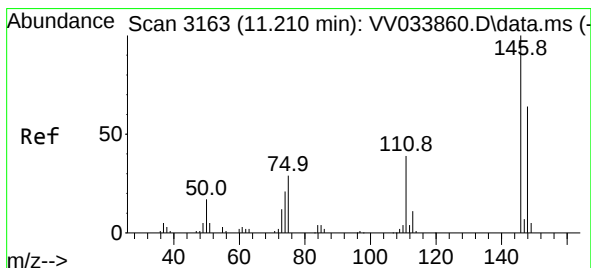
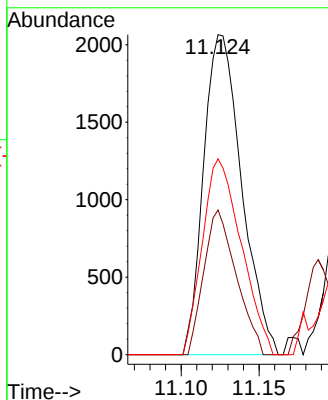
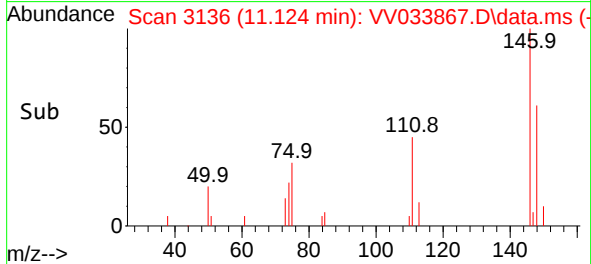
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07



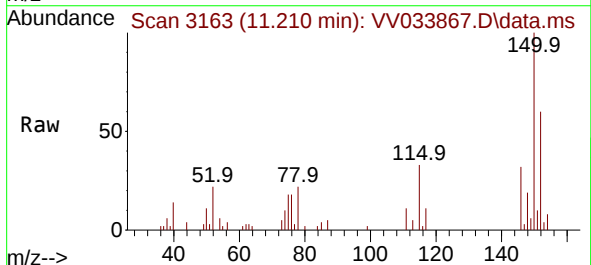
Tgt Ion:146 Resp: 3509
Ion Ratio Lower Upper
146 100
111 45.2 28.5 52.9
148 61.2 44.4 82.4

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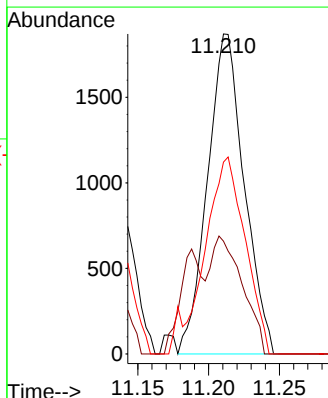
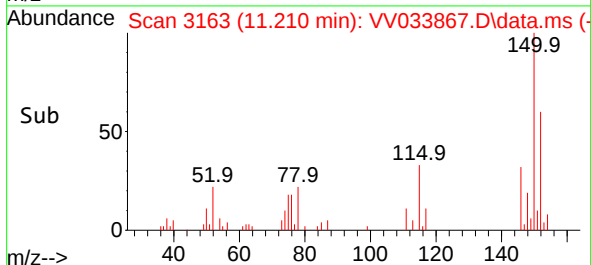
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024

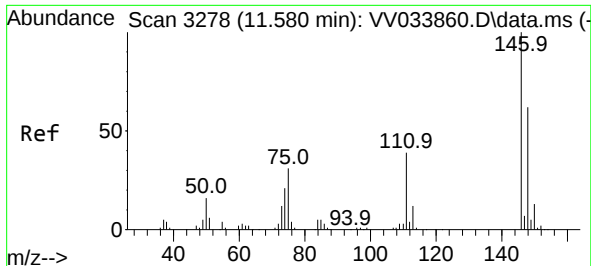


#65
1,4-Dichlorobenzene
Concen: 0.239 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06



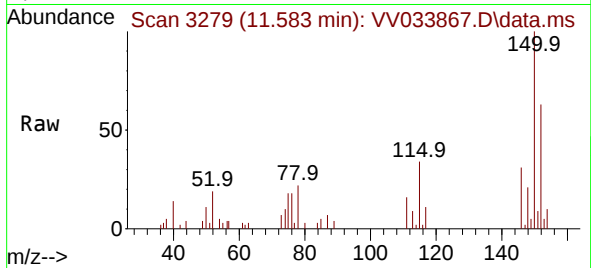
Tgt Ion:146 Resp: 3368
Ion Ratio Lower Upper
146 100
111 35.2 27.6 51.4
148 59.9 44.8 83.2





#67
1,2-Dichlorobenzene
Concen: 0.228 ug/L
RT: 11.583 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06

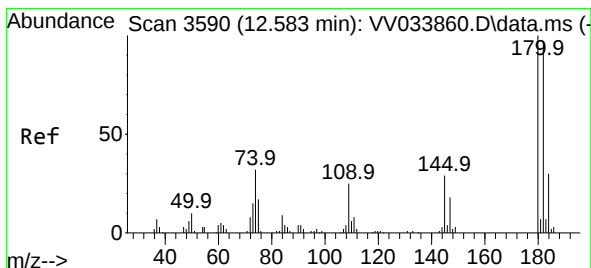
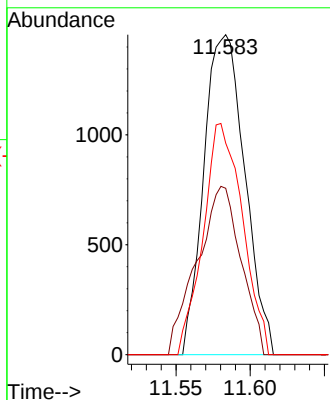
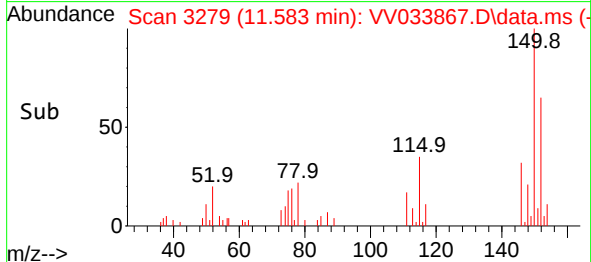
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07



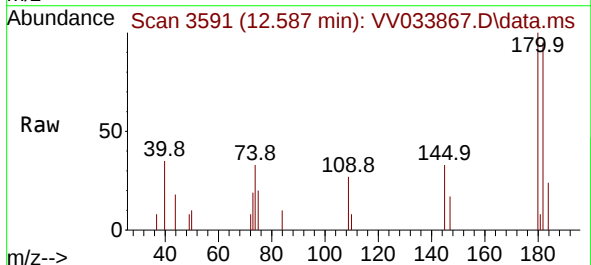
Tgt Ion:146 Resp: 279
Ion Ratio Lower Upper
146 100
111 52.0 31.2 46.8
148 66.1 49.8 74.8

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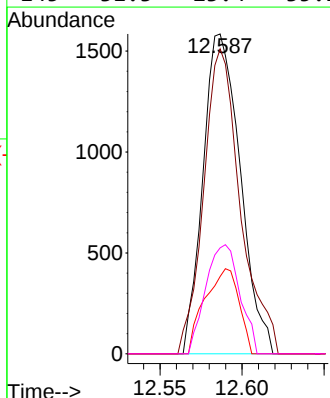
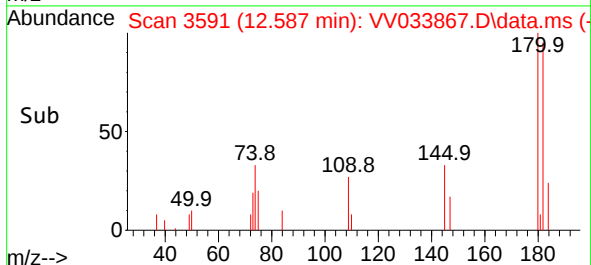
Reviewed By :Mahesh Dadoda 01/26/2024
Supervised By :Semsettin Yesilyurt 01/26/2024

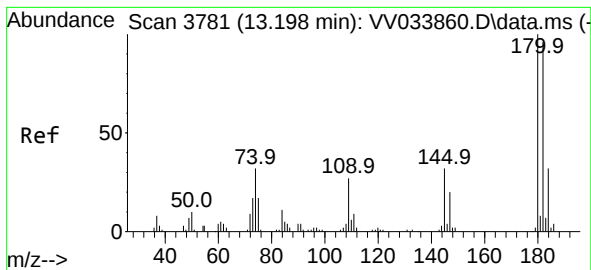


#69
1,3,5-Trichlorobenzene
Concen: 0.226 ug/L
RT: 12.587 min Scan# 3591
Delta R.T. 0.003 min
Lab File: VV033867.D
Acq: 25 Jan 2024 14:06



Tgt Ion:180 Resp: 2497
Ion Ratio Lower Upper
180 100
182 94.0 77.0 115.4
184 24.3 23.8 35.6
145 31.3 23.4 35.2





#70

1,2,4-trichlorobenzene

Concen: 0.234 ug/L

RT: 13.207 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV033867.D

Acq: 25 Jan 2024 14:06

Instrument :

MSVOA_V

ClientSampleId :

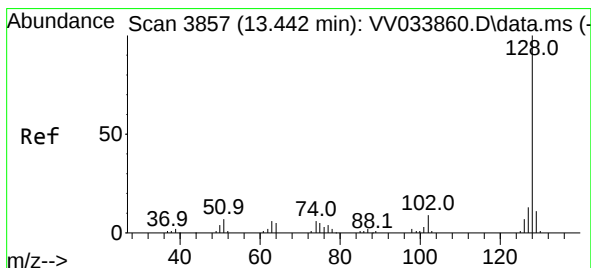
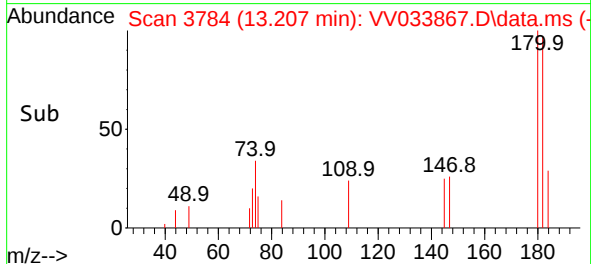
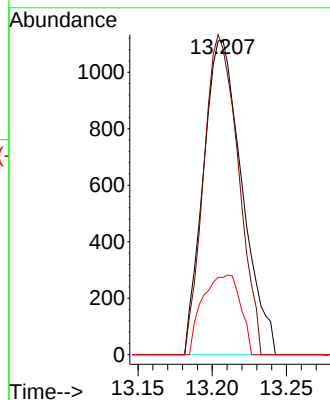
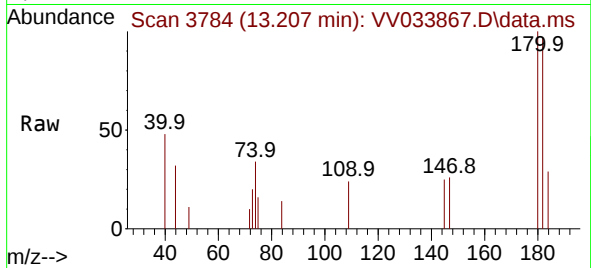
MDL-WATER-QT4-2023-07

Tgt Ion:180	Resp:	2010
Ion Ratio	Lower	Upper
180	100	
182	91.1	76.8 115.2
145	24.7	24.8 37.2

Manual Integrations

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



#71

Naphthalene

Concen: 0.262 ug/L

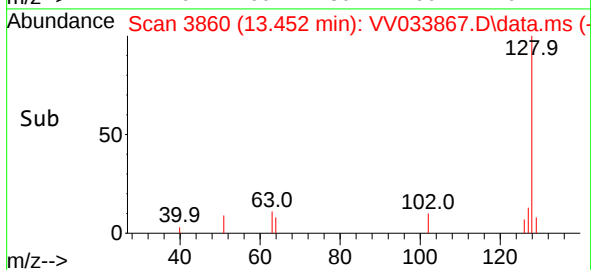
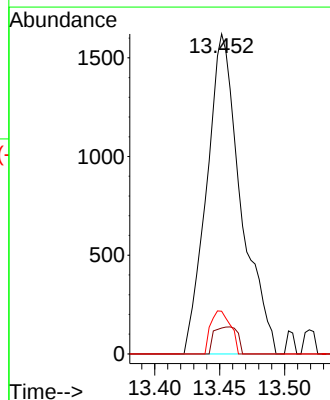
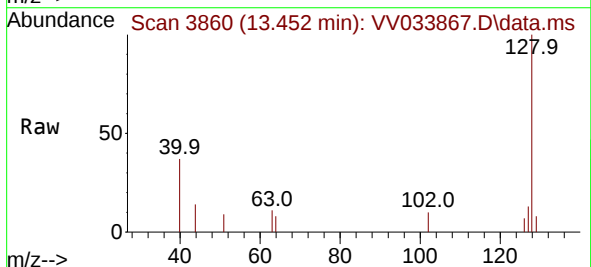
RT: 13.452 min Scan# 3860

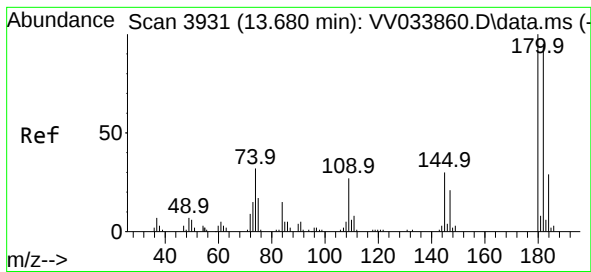
Delta R.T. 0.010 min

Lab File: VV033867.D

Acq: 25 Jan 2024 14:06

Tgt Ion:128	Resp:	2953
Ion Ratio	Lower	Upper
128	100	
129	5.8	8.5 12.7#
127	7.8	10.4 15.6#





#72

1,2,3-Trichlorobenzene

Concen: 0.210 ug/L

RT: 13.686 min Scan# 3931

Delta R.T. 0.006 min

Lab File: VV033867.D

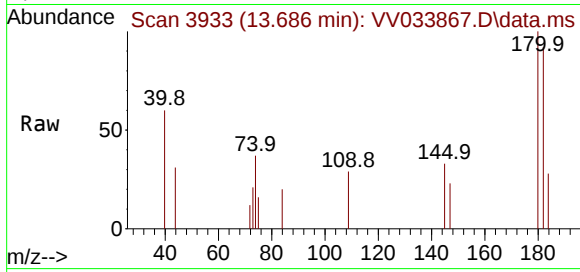
Acq: 25 Jan 2024 14:06

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-07



Tgt Ion:180 Resp: 1449

Ion Ratio Lower Upper

180 100

182 101.1 75.0 112.6

145 25.3 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/26/2024

Supervised By :Semsettin Yesilyurt 01/26/2024

