

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100423\
 Data File : VU055656.D
 Acq On : 04 Oct 2023 10:56
 Operator : MD/SY
 Sample : 04696-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2023-08

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/06/2023
 Supervised By :Semsettin Yesilyurt 10/06/2023

Quant Time: Oct 05 01:02:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 04 23:00:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	177373	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	187169	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	97466	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	83468	4.656	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	93.200%		
7) Chloroethane-d5	1.911	69	67336	4.262	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	85.200%		
11) 1,1-Dichloroethene-d2	2.567	65	32710	4.433	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	88.600%		
20) 2-Butanone-d5	4.624	46	119583	36.931	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	73.860%		
24) Chloroform-d	5.062	84	139478	4.301	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	86.000%		
26) 1,2-Dichloroethane-d4	5.698	65	65809	4.219	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	84.400%		
32) Benzene-d6	5.724	84	282023	4.308	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	86.200%		
36) 1,2-Dichloropropane-d6	6.689	67	88061	4.502	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	90.000%		
41) Toluene-d8	7.898	98	243364	4.078	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	81.600%		
43) trans-1,3-Dichloroprop...	8.181	79	27960	4.073	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	81.400%		
46) 2-Hexanone-d5	8.634	63	65697	31.464	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	62.920%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	58728	4.006	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	80.200%		
66) 1,2-Dichlorobenzene-d4	12.193	152	79393	4.036	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	80.800%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	3946	0.229	ug/L	92
3) Chloromethane	1.518	50	4500	0.296	ug/L	97
5) Vinyl chloride	1.602	62	5214m	0.318	ug/L	
6) Bromomethane	1.856	94	3130	0.301	ug/L	96
8) Chloroethane	1.930	64	3319	0.310	ug/L	95
9) Trichlorofluoromethane	2.139	101	6379	0.281	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	4410	0.319	ug/L	93
12) 1,1-Dichloroethene	2.576	96	4131	0.333	ug/L #	1
14) Carbon disulfide	2.795	76	9991	0.268	ug/L	97
15) Methyl Acetate	2.949	43	1096m	0.260	ug/L	
16) Methylene chloride	3.043	84	8187	0.551	ug/L	91
17) Methyl tert-butyl Ether	3.358	73	7055	0.262	ug/L #	93
18) trans-1,2-Dichloroethene	3.354	96	3453	0.276	ug/L	86
19) 1,1-Dichloroethane	3.872	63	7098	0.307	ug/L	96
21) 2-Butanone	4.718	43	8087	2.987	ug/L	87
22) cis-1,2-Dichloroethene	4.673	96	4073	0.281	ug/L	89
23) Bromochloromethane	4.972	128	1518	0.248	ug/L	86
27) 1,2-Dichloroethane	5.798	62	3935	0.262	ug/L	99
29) 1,1,1-Trichloroethane	5.313	97	5710	0.268	ug/L #	86

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Cyclohexane	5.386	56	4629	0.237	ug/L	92
31) Carbon tetrachloride	5.531	117	5033m	0.275	ug/L	
33) Benzene	5.772	78	14540	0.270	ug/L	100
34) Trichloroethene	6.547	95	4464	0.293	ug/L	96
35) Methylcyclohexane	6.766	83	5603	0.255	ug/L	91
37) 1,2-Dichloropropane	6.795	63	4437	0.315	ug/L #	95
38) Bromodichloromethane	7.110	83	4887	0.296	ug/L #	97
39) cis-1,3-Dichloropropene	7.608	75	5487	0.292	ug/L	88
40) 4-Methyl-2-pentanone	7.795	43	16169	2.530	ug/L #	83
42) Toluene	7.972	91	14978	0.261	ug/L	98
44) trans-1,3-Dichloropropene	8.210	75	3840m	0.255	ug/L	
45) 1,1,2-Trichloroethane	8.402	97	2482	0.251	ug/L #	76
47) Tetrachloroethene	8.557	164	2970	0.272	ug/L	91
48) 2-Hexanone	8.685	43	29030	5.861	ug/L #	90
49) Dibromochloromethane	8.804	129	2904	0.280	ug/L	98
50) 1,2-Dibromoethane	8.923	107	2398	0.262	ug/L #	89
51) Chlorobenzene	9.444	112	10146	0.276	ug/L	96
52) Ethylbenzene	9.570	91	14693	0.239	ug/L	95
53) m,p-Xylene	9.698	106	5662	0.245	ug/L	100
54) o-Xylene	10.103	106	5553	0.247	ug/L	77
55) Styrene	10.119	104	8202	0.226	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.782	83	3087	0.277	ug/L #	90
59) Bromoform	10.290	173	1350	0.258	ug/L #	78
60) Isopropylbenzene	10.486	105	13060	0.232	ug/L	98
61) 1,2,3-Trichloropropane	10.824	75	2046	0.269	ug/L #	89
62) 1,3,5-Trimethylbenzene	11.087	105	9662	0.215	ug/L	95
63) 1,2,4-Trimethylbenzene	11.470	105	9106	0.207	ug/L	97
64) 1,3-Dichlorobenzene	11.746	146	7224	0.269	ug/L	89
65) 1,4-Dichlorobenzene	11.836	146	8843	0.329	ug/L	96
67) 1,2-Dichlorobenzene	12.213	146	7195	0.292	ug/L	91
68) 1,2-Dibromo-3-chloropr...	13.000	75	300	0.227	ug/L #	62
69) 1,3,5-Trichlorobenzene	13.225	180	4988	0.269	ug/L	98
70) 1,2,4-trichlorobenzene	13.846	180	4714	0.334	ug/L	90

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

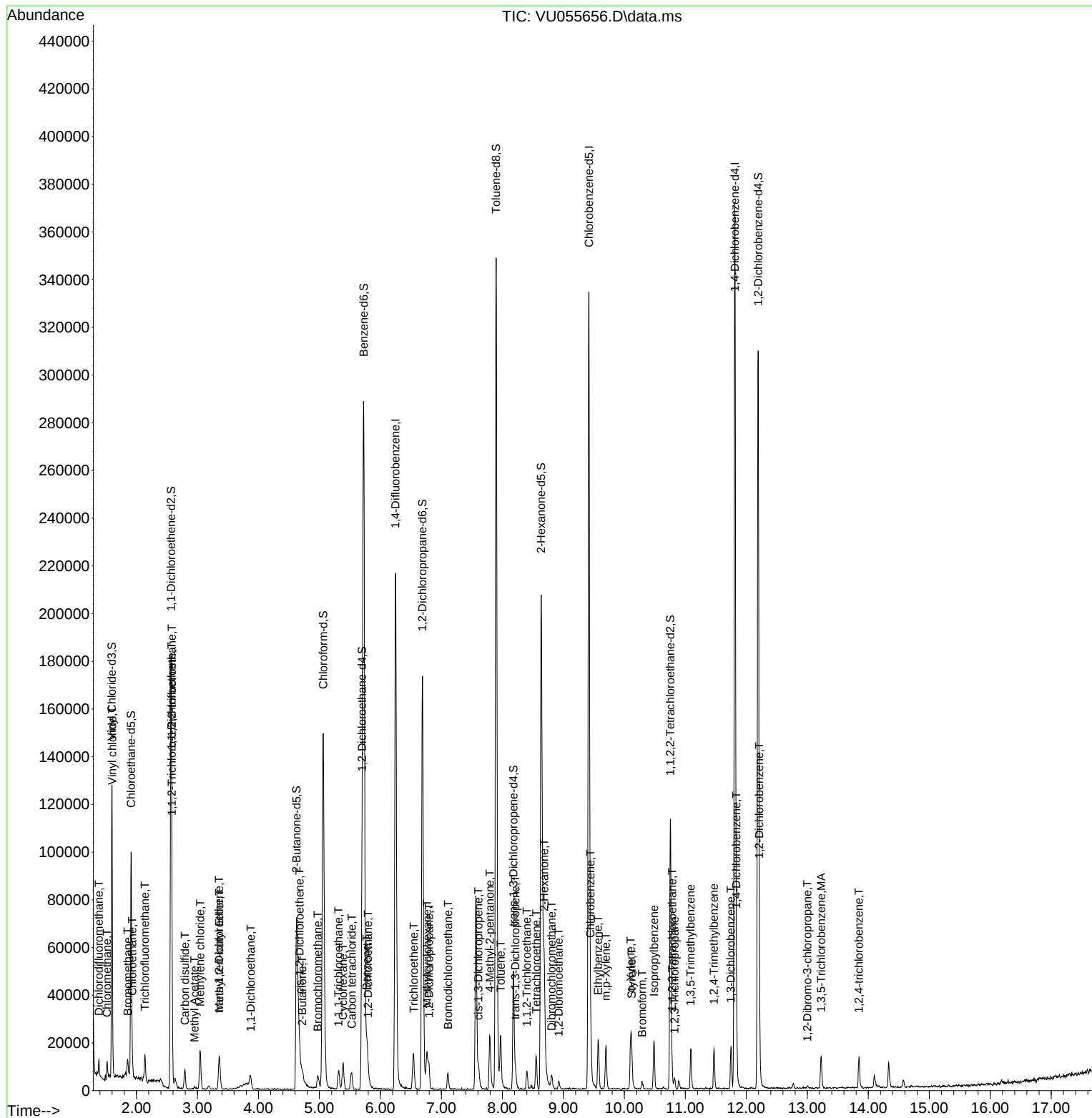
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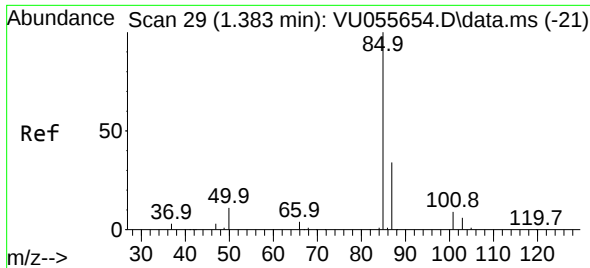
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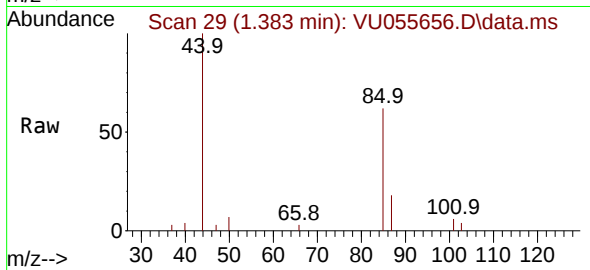
Reviewed By :Mahesh Dadoda 10/06/2023
Supervised By :Semsettin Yesilyurt 10/06/2023





#2
 Dichlorodifluoromethane
 Concen: 0.229 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055656.D
 Acq: 04 Oct 2023 10:56

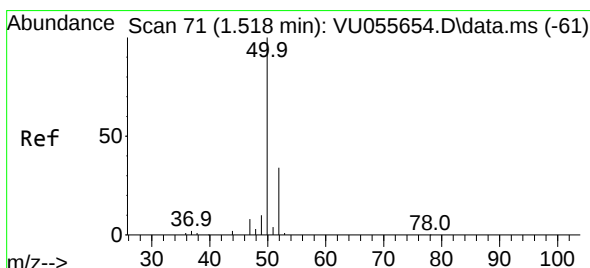
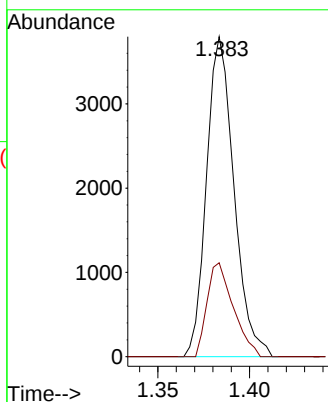
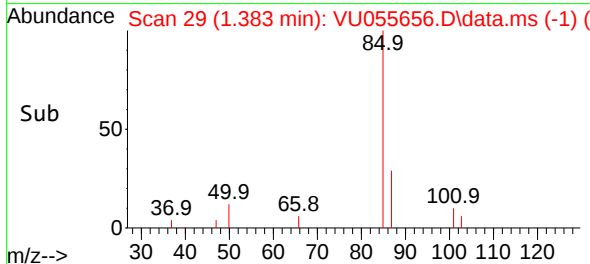
Instrument : MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2023-08



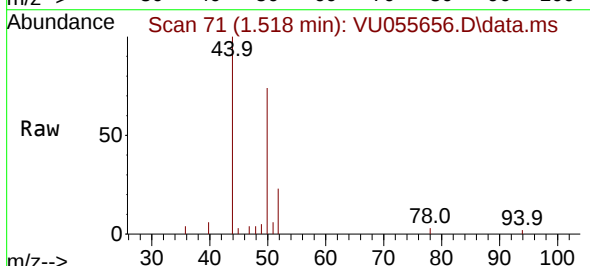
Tgt Ion: 85 Resp: 3940
 Ion Ratio Lower Upper
 85 100
 87 28.0 26.0 39.0

Manual Integrations
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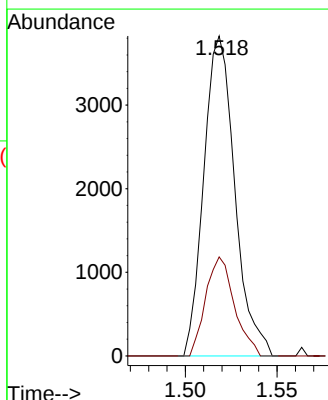
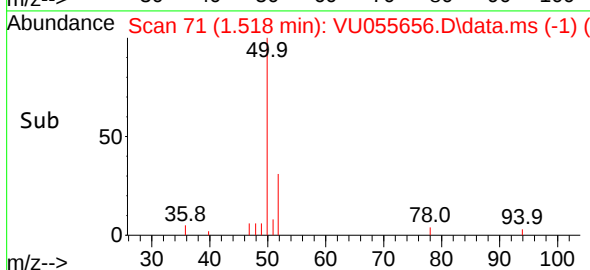
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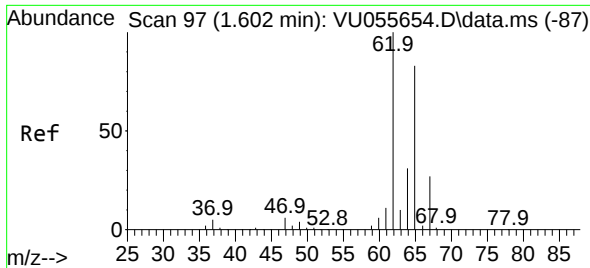


#3
 Chloromethane
 Concen: 0.296 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU055656.D
 Acq: 04 Oct 2023 10:56



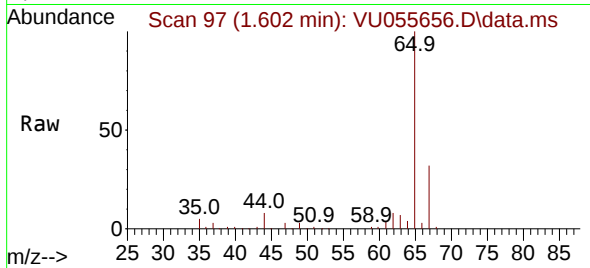
Tgt Ion: 50 Resp: 4500
 Ion Ratio Lower Upper
 50 100
 52 30.9 22.9 42.5





#5
 Vinyl chloride
 Concen: 0.318 ug/L m
 RT: 1.602 min Scan# 97
 Delta R.T. 0.000 min
 Lab File: VU055656.D
 Acq: 04 Oct 2023 10:56

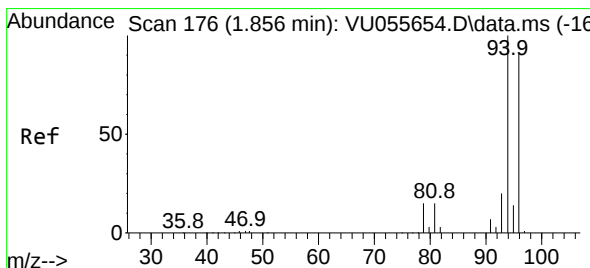
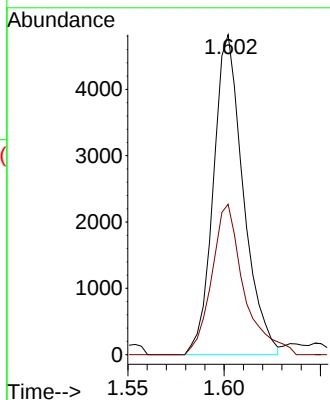
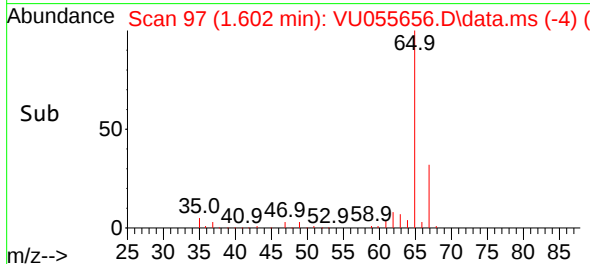
Instrument :
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Tgt Ion: 62 Resp: 5214
 Ion Ratio Lower Upper
 62 100
 64 47.0 22.3 41.5

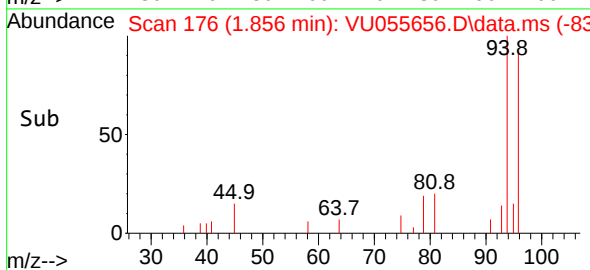
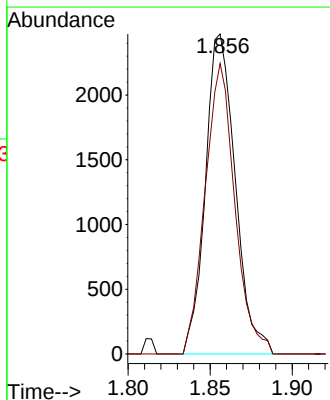
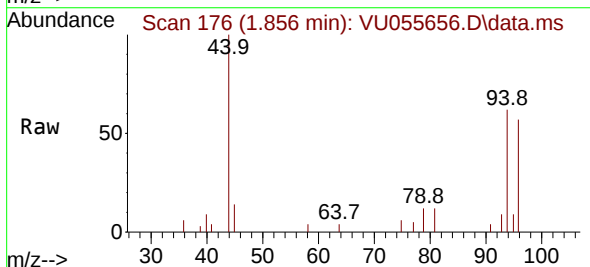
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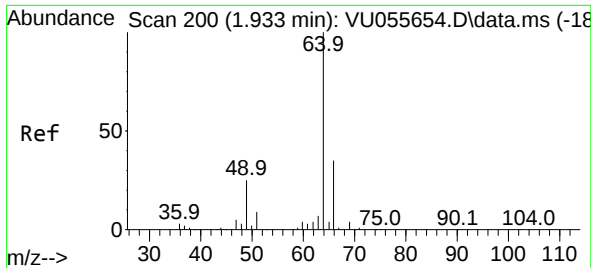
Reviewed By :Mahesh Dadoda 10/06/2023
 Supervised By :Semsettin Yesilyurt 10/06/2023



#6
 Bromomethane
 Concen: 0.301 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU055656.D
 Acq: 04 Oct 2023 10:56

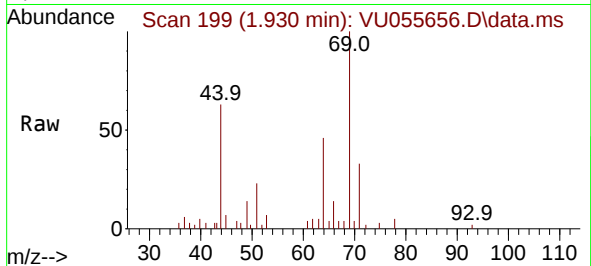
Tgt Ion: 94 Resp: 3130
 Ion Ratio Lower Upper
 94 100
 96 90.7 66.4 123.2





#8
Chloroethane
Concen: 0.310 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.003 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

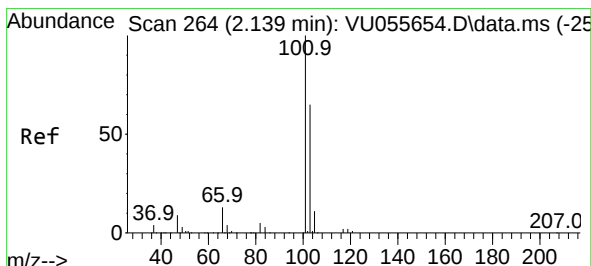
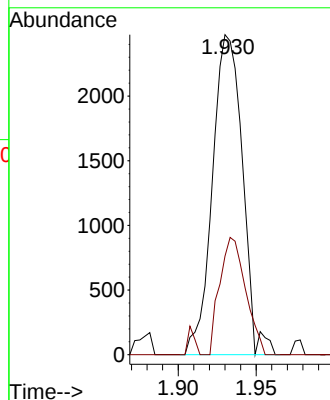
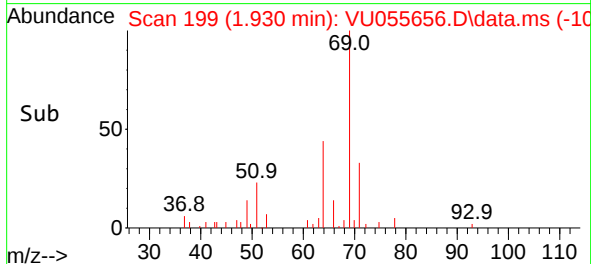
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2023-08



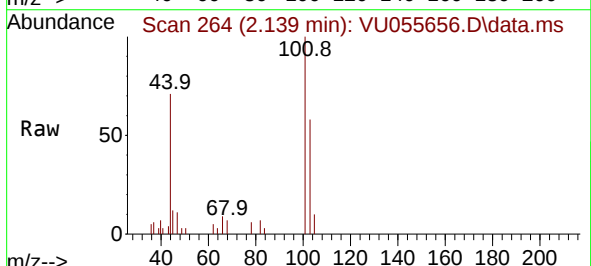
Tgt Ion: 64 Resp: 3319
Ion Ratio Lower Upper
64 100
66 30.8 23.7 44.1

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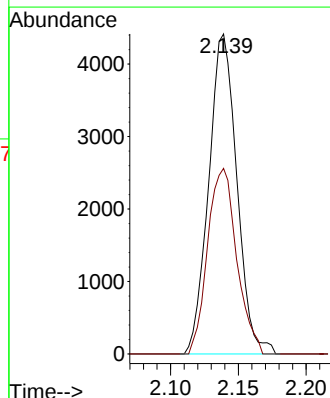
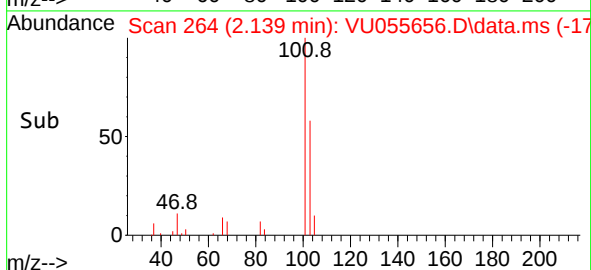
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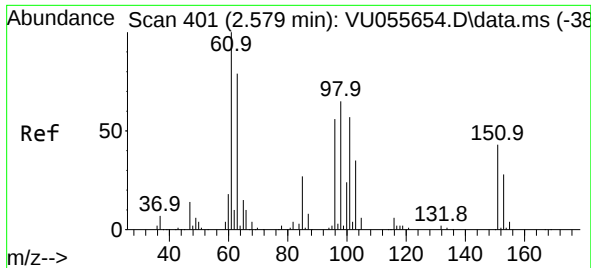


#9
Trichlorofluoromethane
Concen: 0.281 ug/L
RT: 2.139 min Scan# 264
Delta R.T. 0.000 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56



Tgt Ion:101 Resp: 6379
Ion Ratio Lower Upper
101 100
103 59.9 52.0 78.0





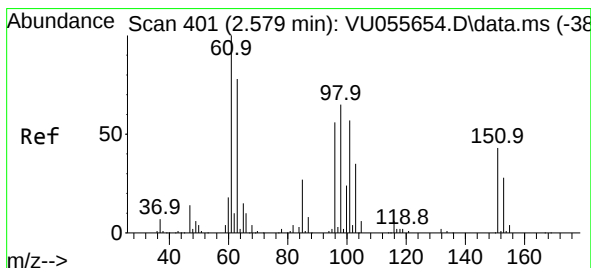
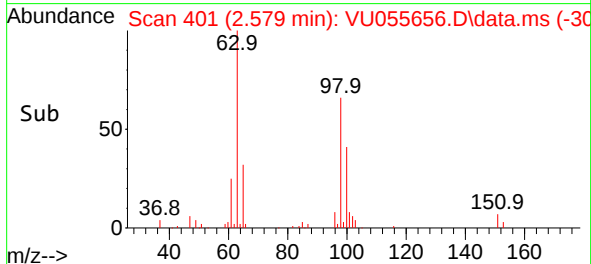
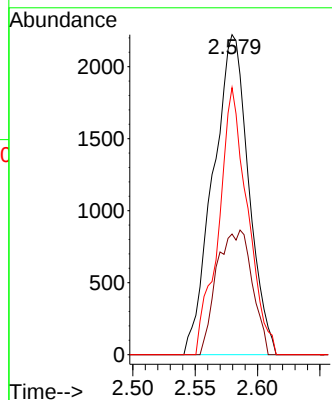
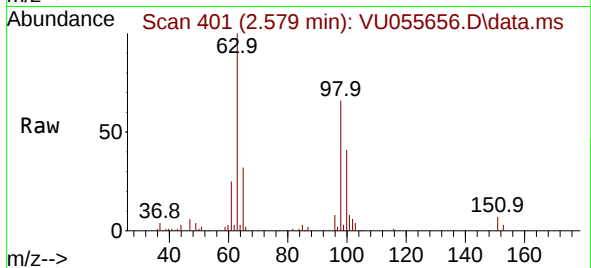
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.319 ug/L
RT: 2.579 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU055656.D
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Tgt Ion:101 Resp: 4410
Ion Ratio Lower Upper
101 100
85 38.6 35.8 53.6
151 68.1 58.2 87.4

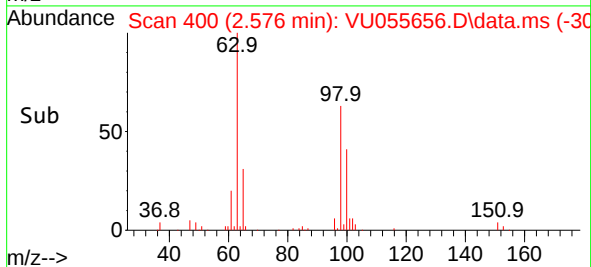
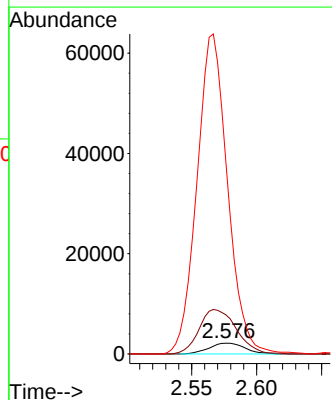
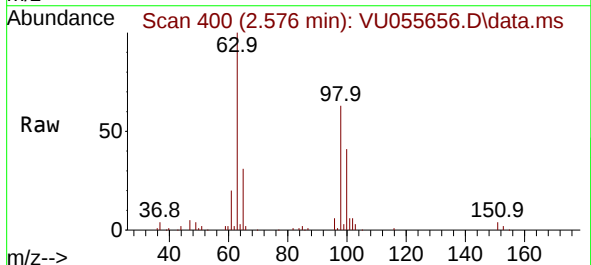
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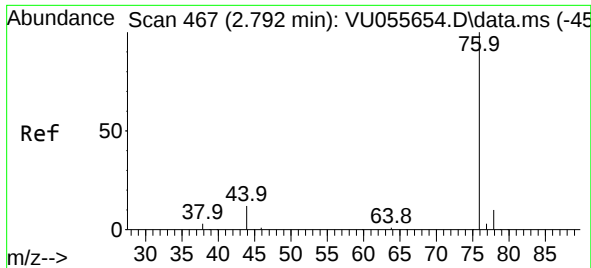
Reviewed By :Mahesh Dadoda 10/06/2023
Supervised By :Semsettin Yesilyurt 10/06/2023



#12
1,1-Dichloroethene
Concen: 0.333 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.003 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

Tgt Ion: 96 Resp: 4131
Ion Ratio Lower Upper
96 100
61 364.6 114.5 212.7#
63 1791.0 98.3 182.5#





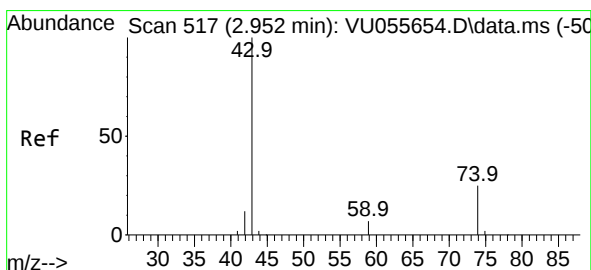
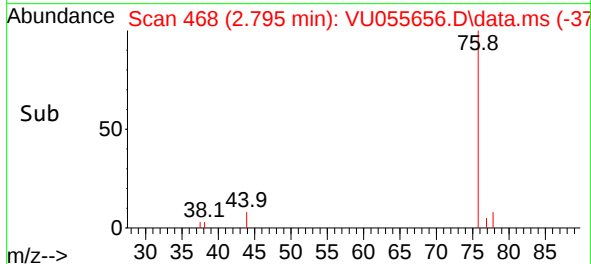
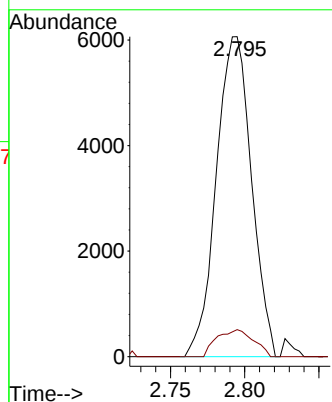
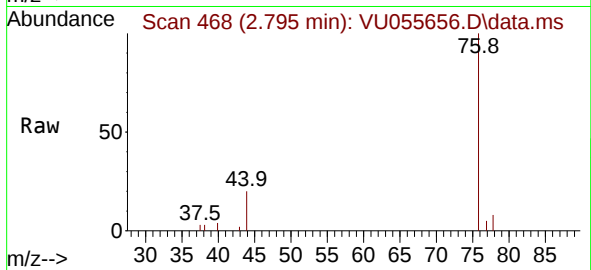
#14
Carbon disulfide
Concen: 0.268 ug/L
RT: 2.795 min Scan# 467
Delta R.T. 0.003 min
Lab File: VU055656.D
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Tgt Ion: 76 Resp: 999
Ion Ratio Lower Upper
76 100
78 8.4 7.7 11.5

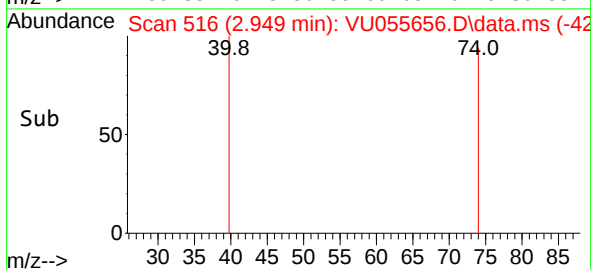
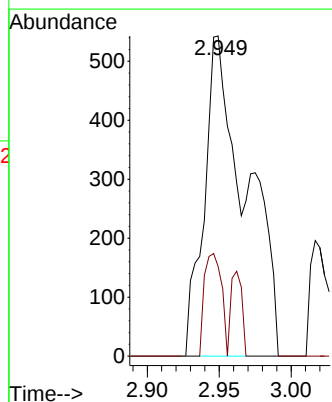
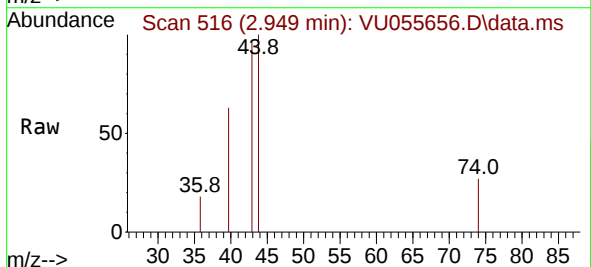
Manual Integrations
APPROVED

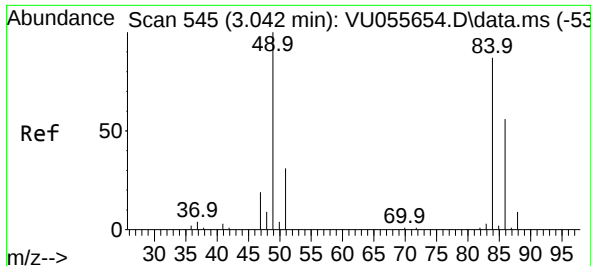
Reviewed By :Mahesh Dadoda 10/06/2023
Supervised By :Semsettin Yesilyurt 10/06/2023



#15
Methyl Acetate
Concen: 0.260 ug/L m
RT: 2.949 min Scan# 516
Delta R.T. -0.003 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

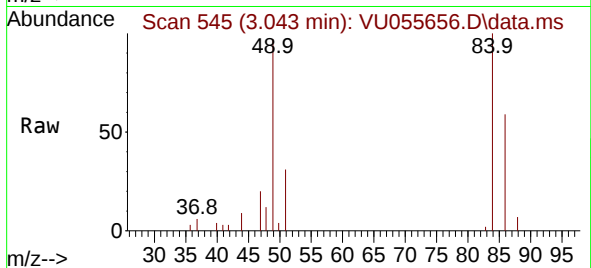
Tgt Ion: 43 Resp: 1096
Ion Ratio Lower Upper
43 100
74 13.1 22.3 33.5#





#16
Methylene chloride
Concen: 0.551 ug/L
RT: 3.043 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

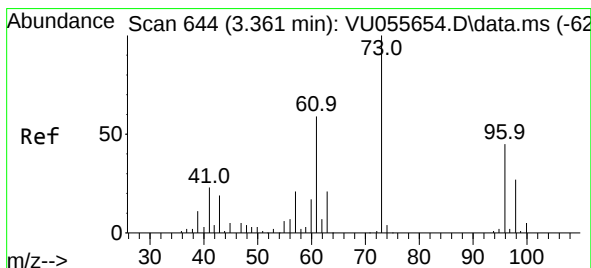
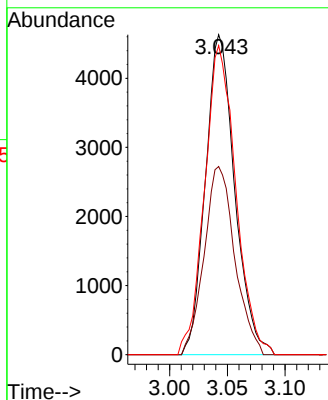
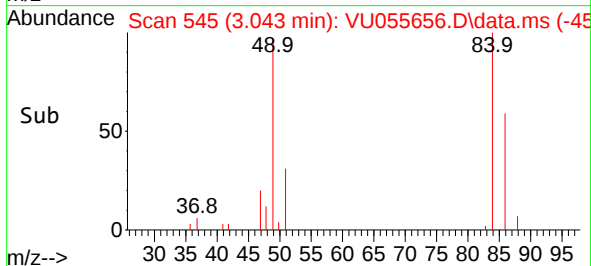
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



Tgt Ion: 84 Resp: 818
Ion Ratio Lower Upper
84 100
86 58.8 44.9 83.3
49 101.1 78.8 146.3

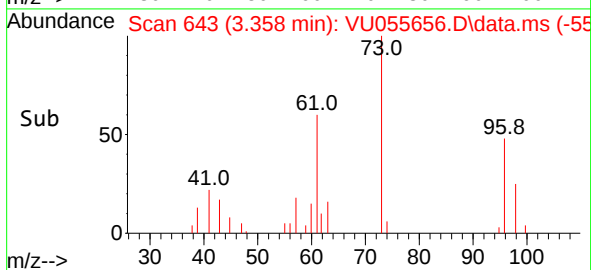
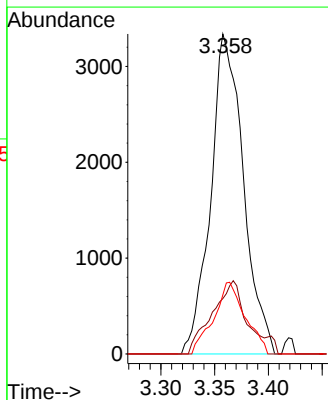
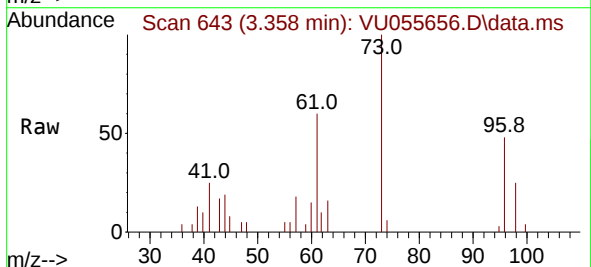
Manual Integrations
APPROVED

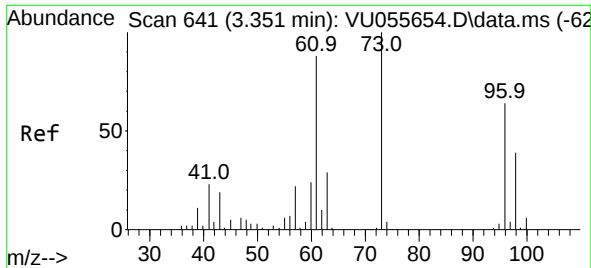
Reviewed By :Mahesh Dadoda 10/06/2023
Supervised By :Semsettin Yesilyurt 10/06/2023



#17
Methyl tert-butyl Ether
Concen: 0.262 ug/L
RT: 3.358 min Scan# 643
Delta R.T. -0.003 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

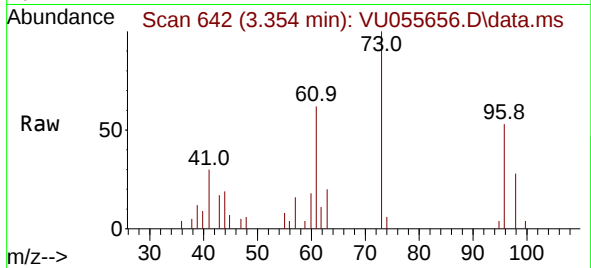
Tgt Ion: 73 Resp: 7055
Ion Ratio Lower Upper
73 100
43 25.0 14.9 22.3#
57 21.6 17.3 25.9





#18
trans-1,2-Dichloroethene
Concen: 0.276 ug/L
RT: 3.354 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

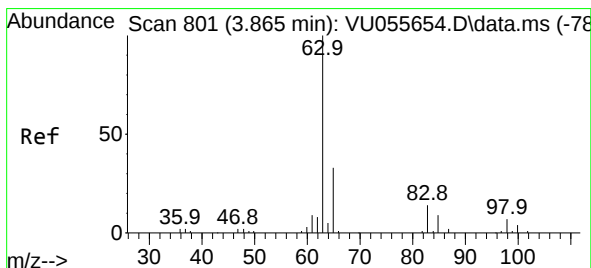
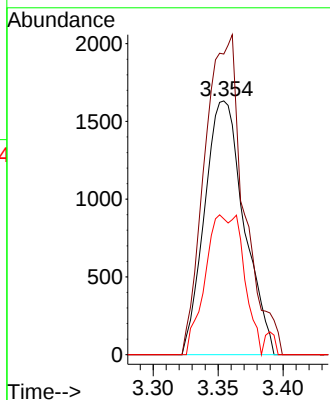
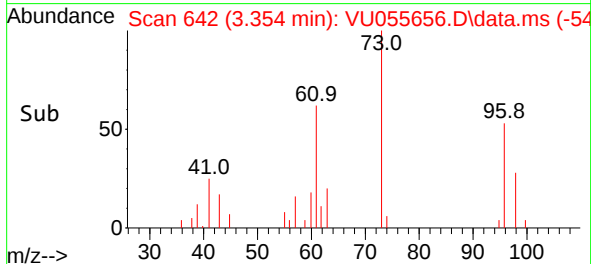
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



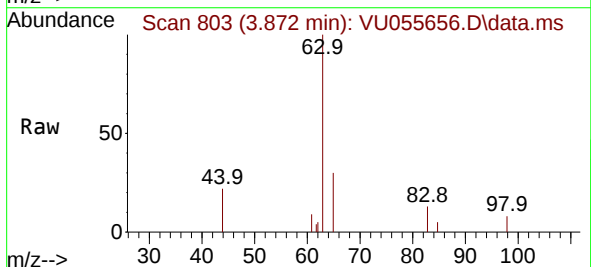
Tgt Ion: 96 Resp: 345
Ion Ratio Lower Upper
96 100
61 118.4 94.6 175.6
98 53.6 45.7 84.9

Manual Integrations
APPROVED

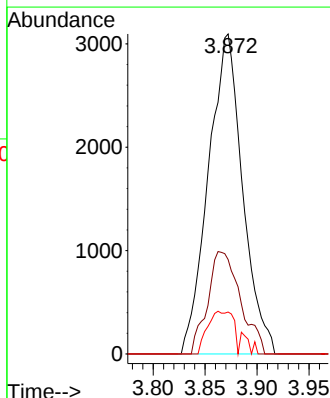
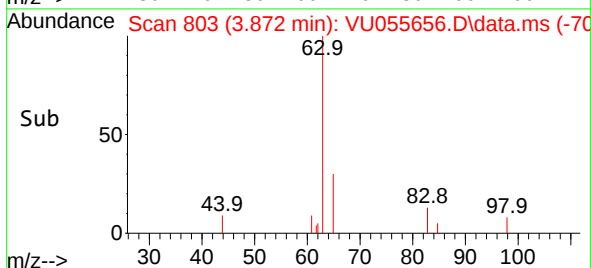
Reviewed By :Mahesh Dadoda 10/06/2023
Supervised By :Semsettin Yesilyurt 10/06/2023

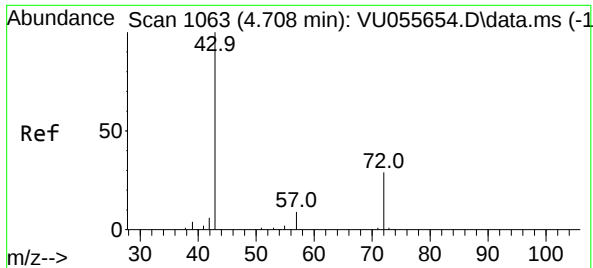


#19
1,1-Dichloroethane
Concen: 0.307 ug/L
RT: 3.872 min Scan# 803
Delta R.T. 0.007 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56



Tgt Ion: 63 Resp: 7098
Ion Ratio Lower Upper
63 100
65 29.5 22.0 41.0
83 13.1 10.1 18.9





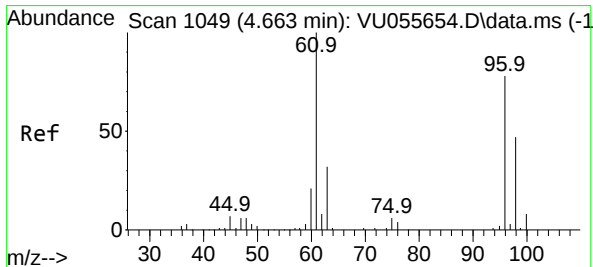
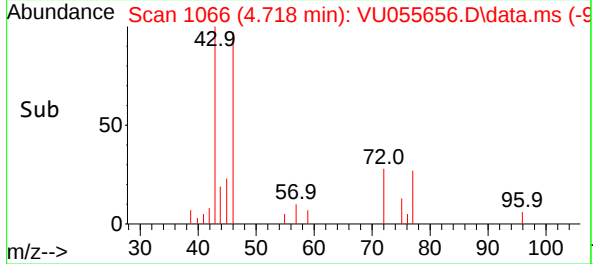
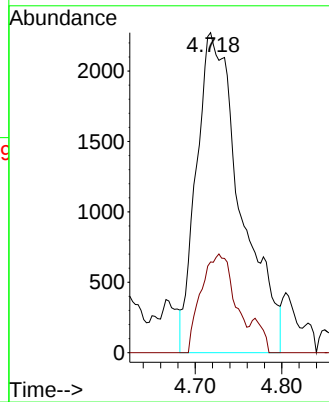
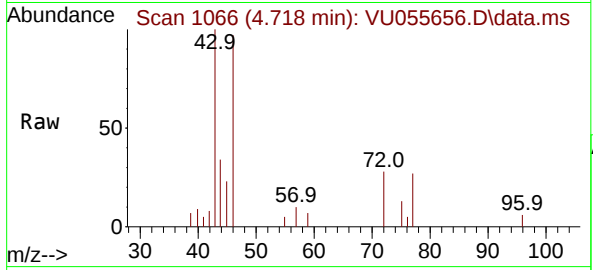
#21
2-Butanone
Concen: 2.987 ug/L
RT: 4.718 min Scan# 1066
Delta R.T. 0.010 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

Instrument : MSVOA_U
ClientSampleId : VU055656.D
MDL-WATER-QT4-2023-08

Tgt Ion: 43 Resp: 808
Ion Ratio Lower Upper
43 100
72 23.0 15.1 45.3

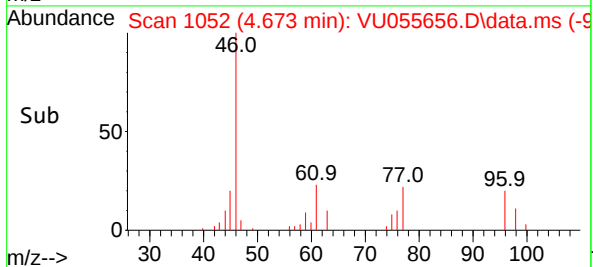
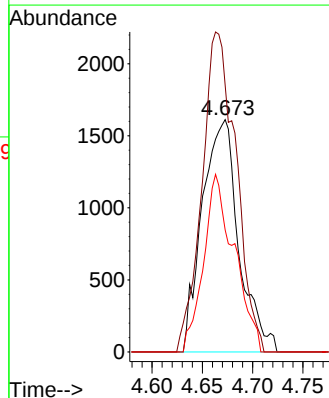
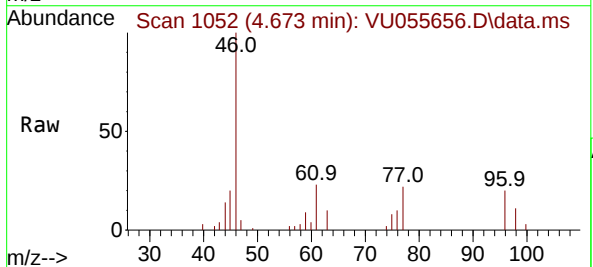
Manual Integrations
APPROVED

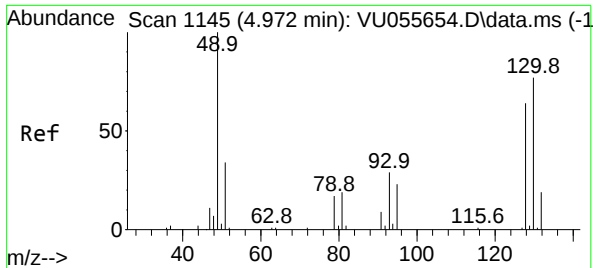
Reviewed By :Mahesh Dadoda 10/06/2023
Supervised By :Semsettin Yesilyurt 10/06/2023



#22
cis-1,2-Dichloroethene
Concen: 0.281 ug/L
RT: 4.673 min Scan# 1052
Delta R.T. 0.010 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

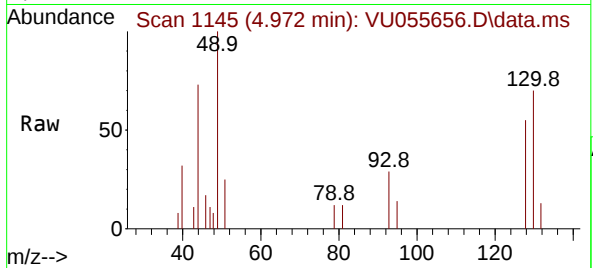
Tgt Ion: 96 Resp: 4073
Ion Ratio Lower Upper
96 100
61 114.8 87.8 163.2
98 52.5 44.4 82.4





#23
Bromochloromethane
Concen: 0.248 ug/L
RT: 4.972 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

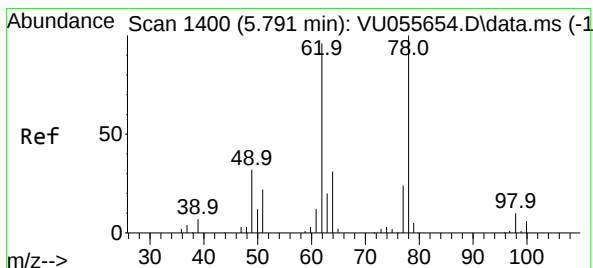
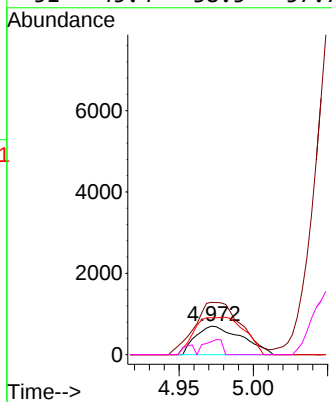
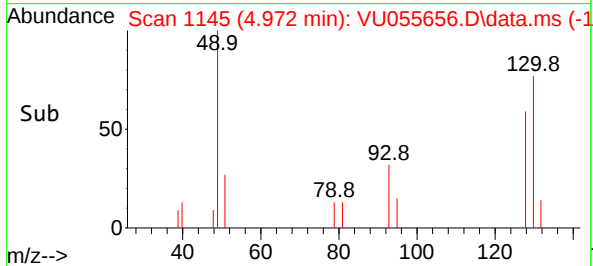
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2023-08



Tgt Ion: 128 Resp: 1518
Ion Ratio Lower Upper
128 100
49 183.3 102.8 191.0
130 129.2 89.9 166.9
51 45.4 38.5 57.7

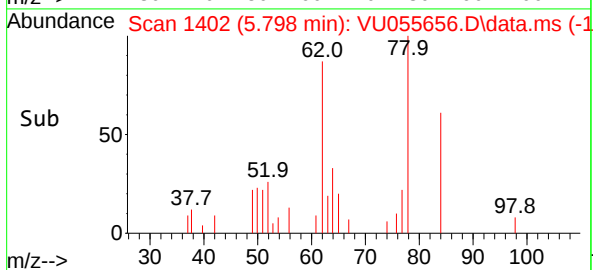
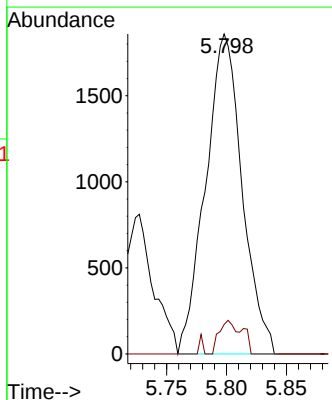
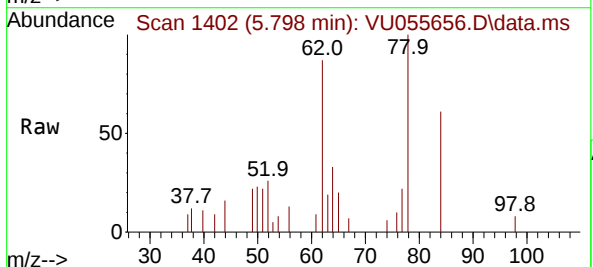
Manual Integrations
APPROVED

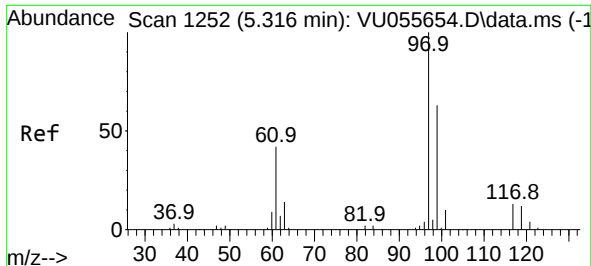
Reviewed By :Mahesh Dadoda 10/06/2023
Supervised By :Semsettin Yesilyurt 10/06/2023



#27
1,2-Dichloroethane
Concen: 0.262 ug/L
RT: 5.798 min Scan# 1402
Delta R.T. 0.007 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

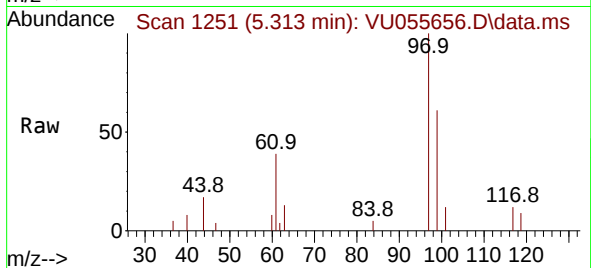
Tgt Ion: 62 Resp: 3935
Ion Ratio Lower Upper
62 100
98 9.2 7.0 10.4





#29
1,1,1-Trichloroethane
Concen: 0.268 ug/L
RT: 5.313 min Scan# 1251
Delta R.T. -0.003 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

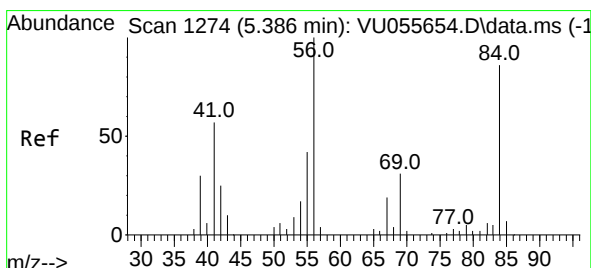
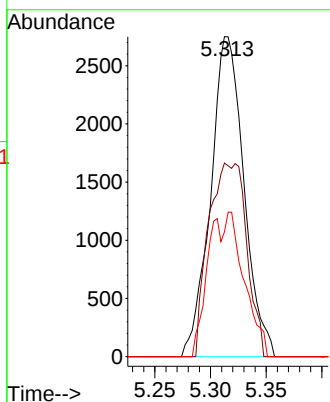
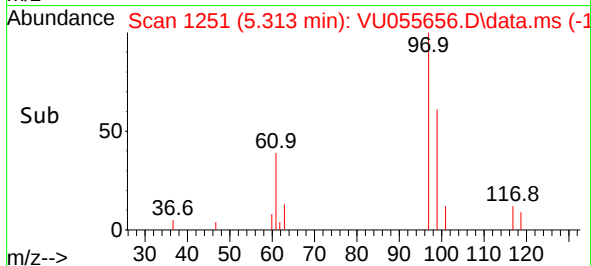
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



Tgt Ion: 97 Resp: 5710
Ion Ratio Lower Upper
97 100
99 69.0 50.7 76.1
61 28.1 34.6 51.8

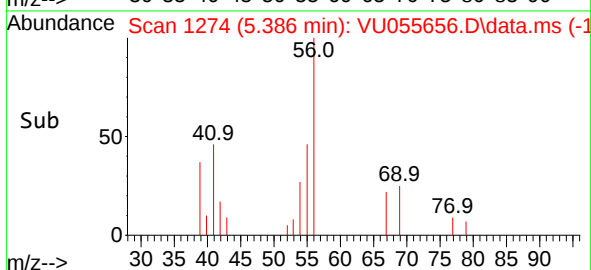
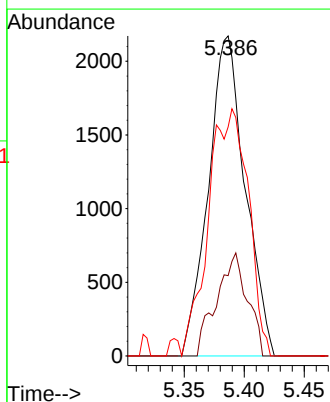
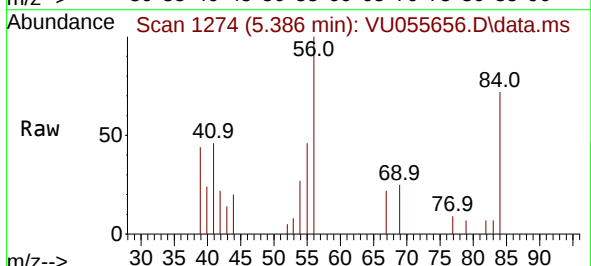
Manual Integrations
APPROVED

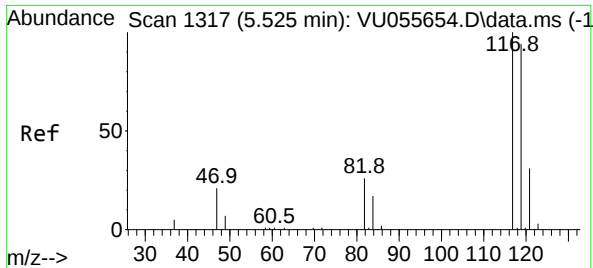
Reviewed By :Mahesh Dadoda 10/06/2023
Supervised By :Semsettin Yesilyurt 10/06/2023



#30
Cyclohexane
Concen: 0.237 ug/L
RT: 5.386 min Scan# 1274
Delta R.T. 0.000 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

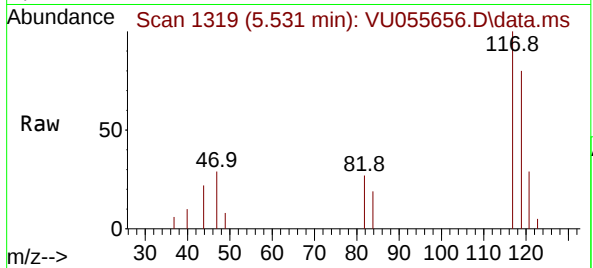
Tgt Ion: 56 Resp: 4629
Ion Ratio Lower Upper
56 100
69 27.0 26.5 39.7
84 84.0 72.6 108.8





#31
Carbon tetrachloride
Concen: 0.275 ug/L m
RT: 5.531 min Scan# 117
Delta R.T. 0.007 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

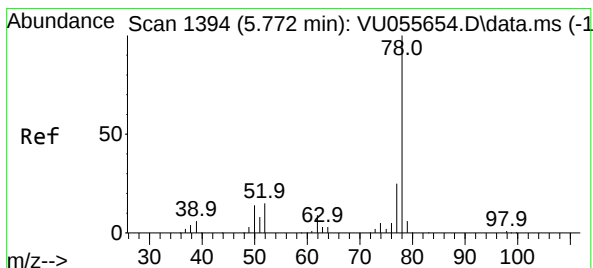
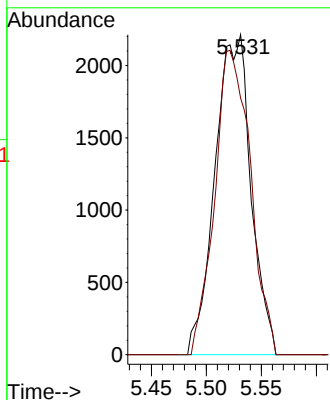
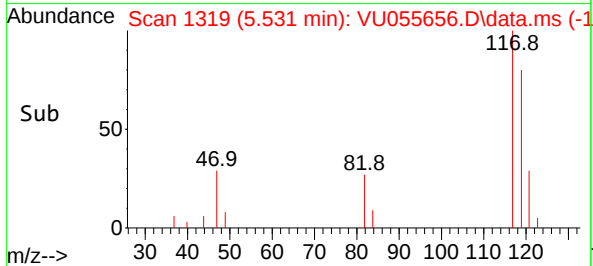
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



Tgt Ion:117 Resp: 503
Ion Ratio Lower Upper
117 100
119 94.6 75.2 112.8

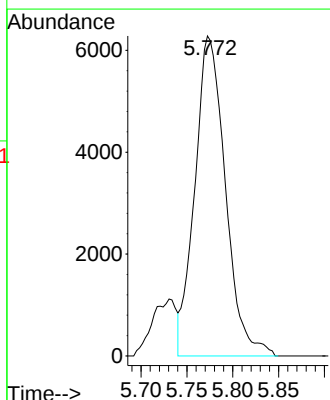
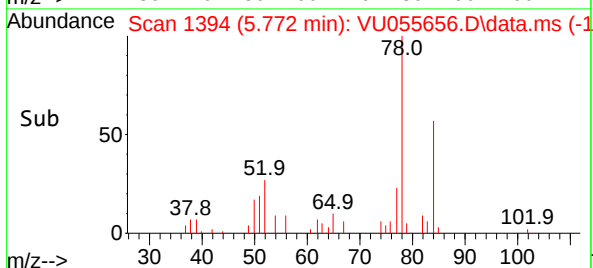
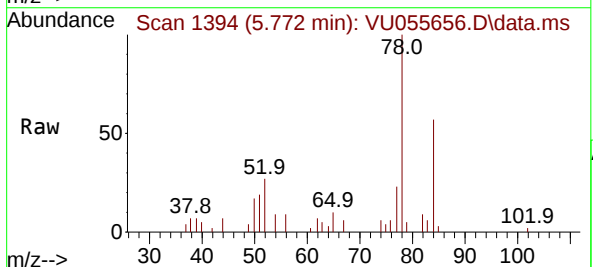
Manual Integrations
APPROVED

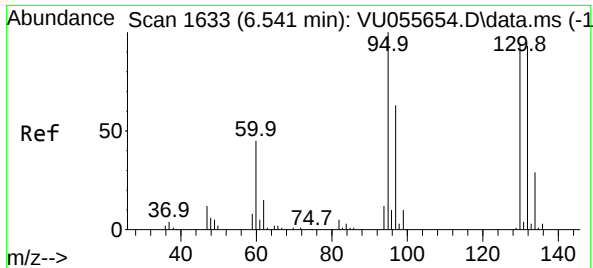
Reviewed By :Mahesh Dadoda 10/06/2023
Supervised By :Semsettin Yesilyurt 10/06/2023



#33
Benzene
Concen: 0.270 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

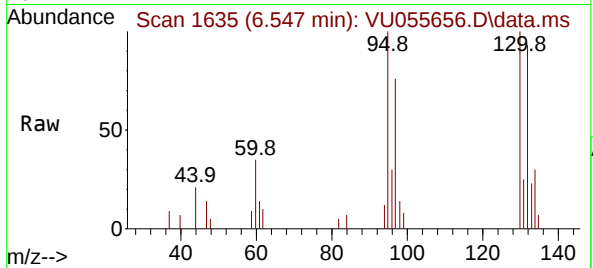
Tgt Ion: 78 Resp: 14540





#34
Trichloroethene
Concen: 0.293 ug/L
RT: 6.547 min Scan# 1
Delta R.T. 0.007 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

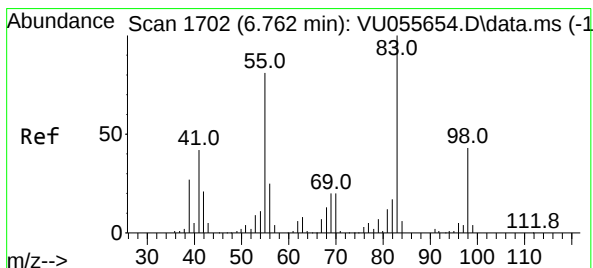
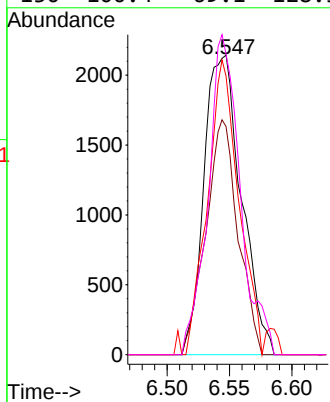
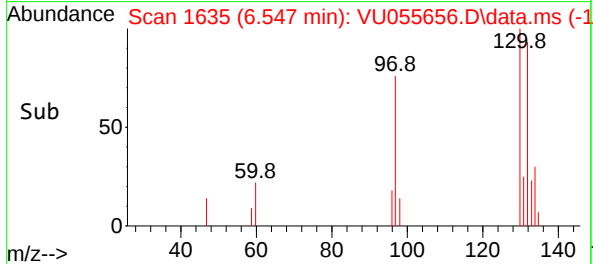
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



Tgt Ion: 95 Resp: 446
Ion Ratio Lower Upper
95 100
97 76.2 45.4 84.2
132 93.0 65.2 121.2
130 100.4 69.1 128.3

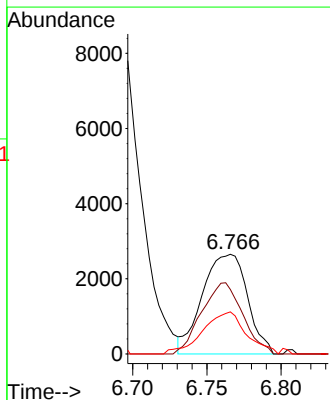
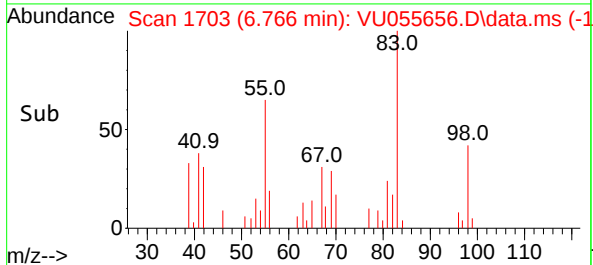
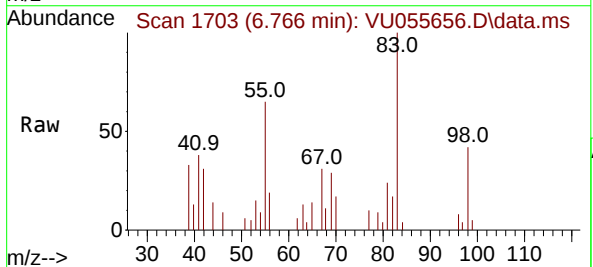
Manual Integrations
APPROVED

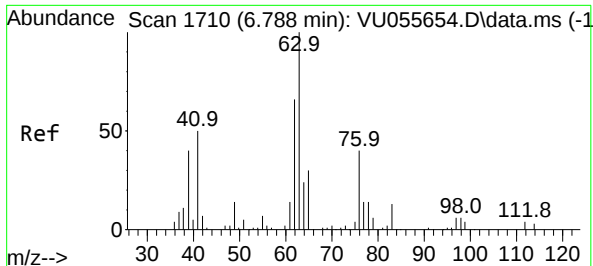
Reviewed By :Mahesh Dadoda 10/06/2023
Supervised By :Semsettin Yesilyurt 10/06/2023



#35
Methylcyclohexane
Concen: 0.255 ug/L
RT: 6.766 min Scan# 1703
Delta R.T. 0.003 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

Tgt Ion: 83 Resp: 5603
Ion Ratio Lower Upper
83 100
55 64.9 59.1 88.7
98 40.6 36.3 54.5





#37

1,2-Dichloropropane

Concen: 0.315 ug/L

RT: 6.795 min Scan# 11

Delta R.T. 0.007 min

Lab File: VU055656.D

Acq: 04 Oct 2023 10:56

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2023-08

Tgt Ion: 63 Resp: 443

Ion Ratio Lower Upper

63 100

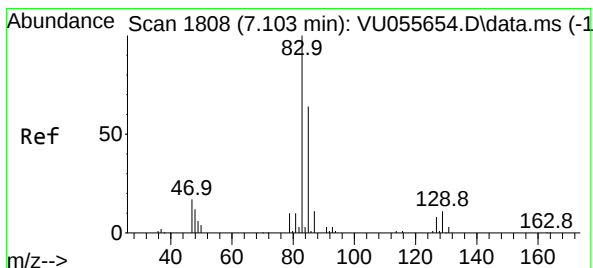
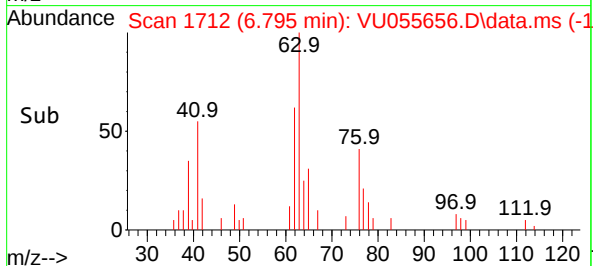
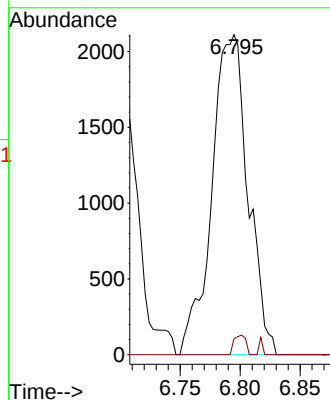
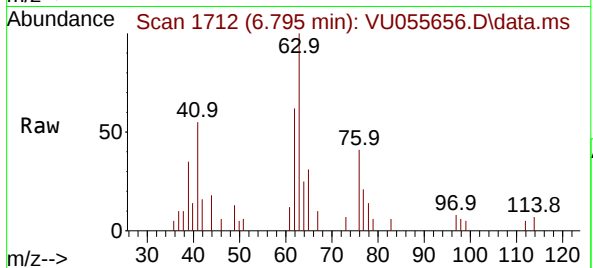
112 2.0 3.0 4.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/06/2023

Supervised By :Semsettin Yesilyurt 10/06/2023



#38

Bromodichloromethane

Concen: 0.296 ug/L

RT: 7.110 min Scan# 1810

Delta R.T. 0.007 min

Lab File: VU055656.D

Acq: 04 Oct 2023 10:56

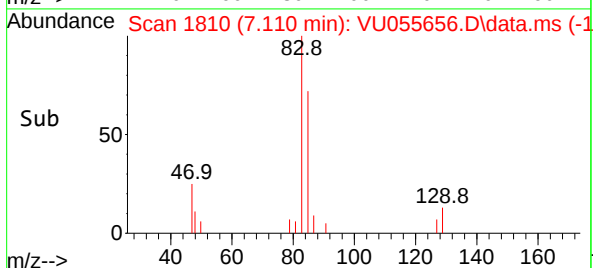
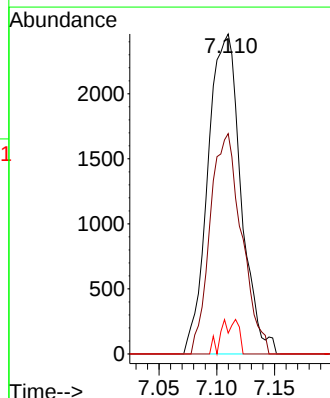
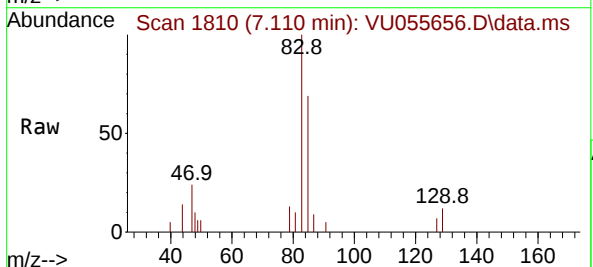
Tgt Ion: 83 Resp: 4887

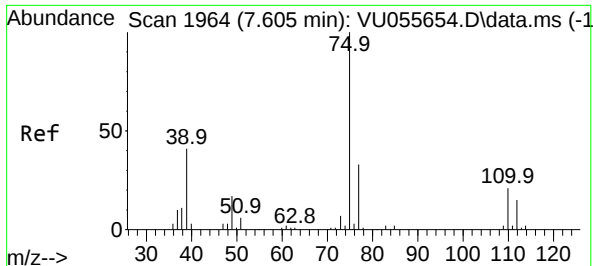
Ion Ratio Lower Upper

83 100

85 68.9 46.8 86.8

127 6.5 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 0.292 ug/L

RT: 7.608 min Scan# 1964

Delta R.T. 0.003 min

Lab File: VU055656.D

Acq: 04 Oct 2023 10:56

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2023-08

Tgt Ion: 75 Resp: 548

Ion Ratio Lower Upper

75 100

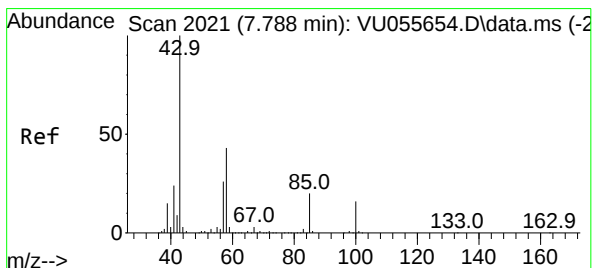
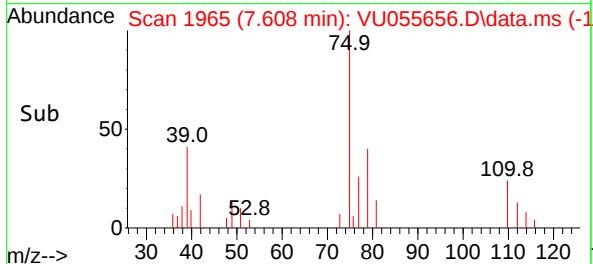
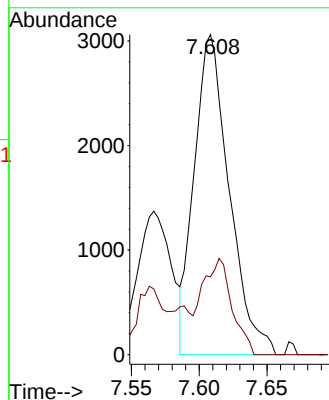
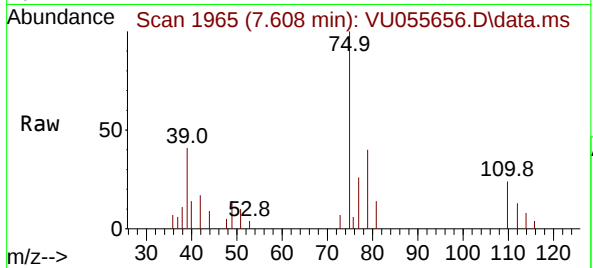
77 24.3 21.6 40.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/06/2023

Supervised By :Semsettin Yesilyurt 10/06/2023



#40

4-Methyl-2-pentanone

Concen: 2.530 ug/L

RT: 7.795 min Scan# 2023

Delta R.T. 0.007 min

Lab File: VU055656.D

Acq: 04 Oct 2023 10:56

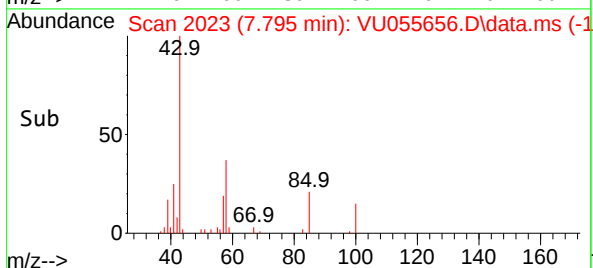
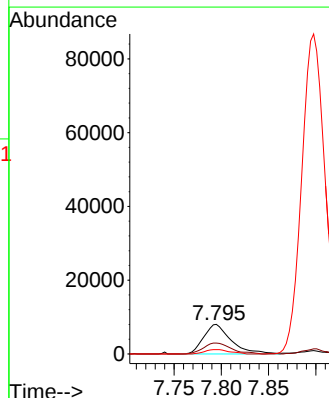
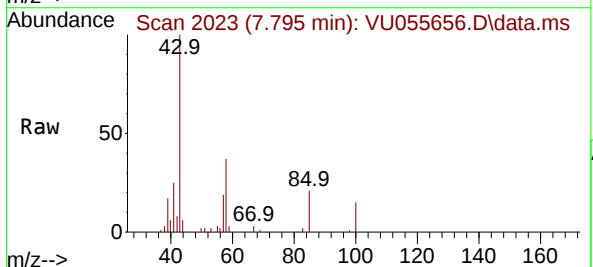
Tgt Ion: 43 Resp: 16169

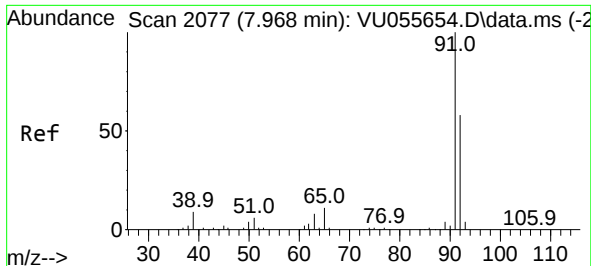
Ion Ratio Lower Upper

43 100

58 37.2 34.2 51.4

100 0.0 13.4 20.0#





#42

Toluene

Concen: 0.261 ug/L

RT: 7.972 min Scan# 2077

Delta R.T. 0.003 min

Lab File: VU055656.D

Acq: 04 Oct 2023 10:56

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2023-08

Tgt Ion: 91 Resp: 14978

Ion Ratio Lower Upper

91 100

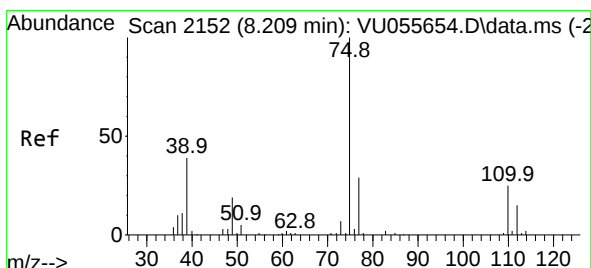
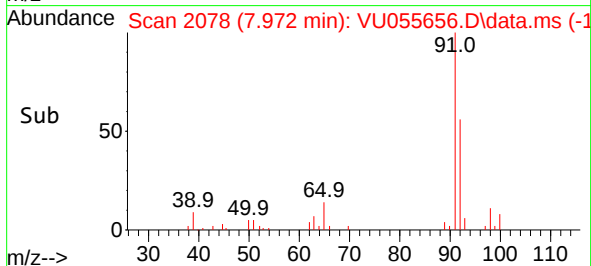
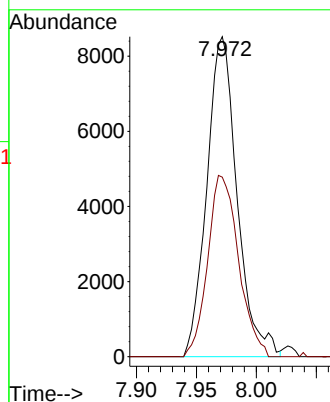
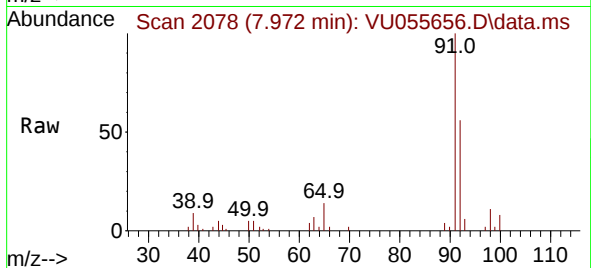
92 56.1 40.3 74.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/06/2023

Supervised By :Semsettin Yesilyurt 10/06/2023



#44

trans-1,3-Dichloropropene

Concen: 0.255 ug/L m

RT: 8.210 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VU055656.D

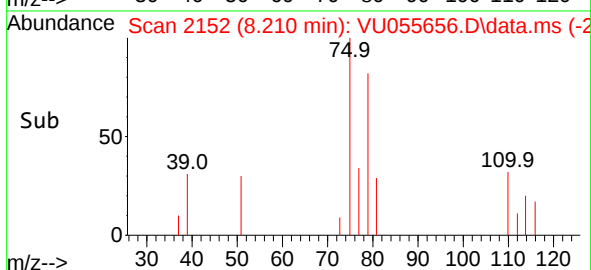
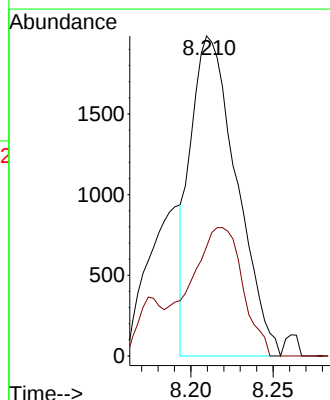
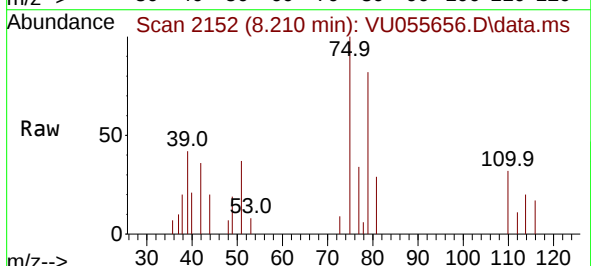
Acq: 04 Oct 2023 10:56

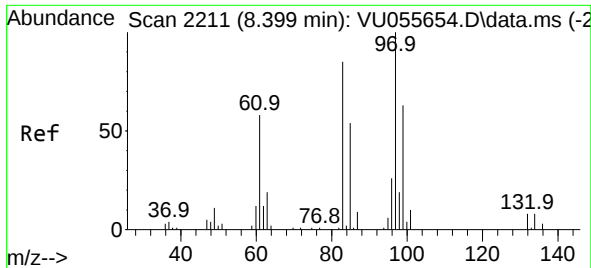
Tgt Ion: 75 Resp: 3840

Ion Ratio Lower Upper

75 100

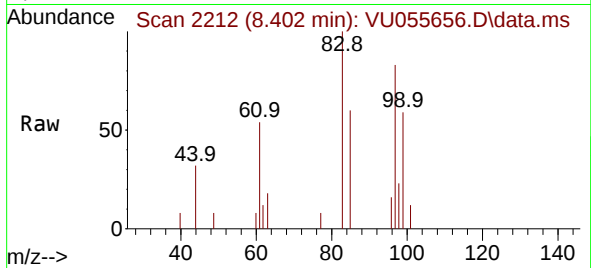
77 34.2 21.8 40.4





#45
1,1,2-Trichloroethane
Concen: 0.251 ug/L
RT: 8.402 min Scan# 211
Delta R.T. 0.003 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

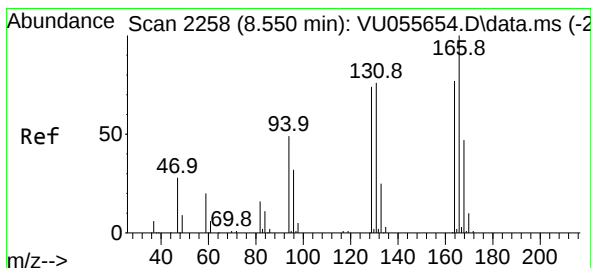
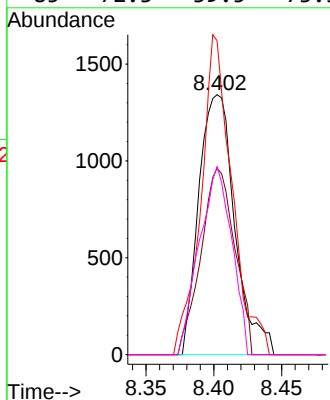
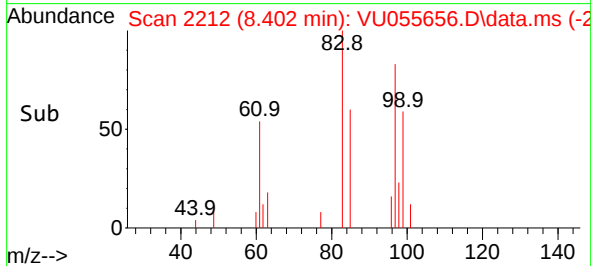
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



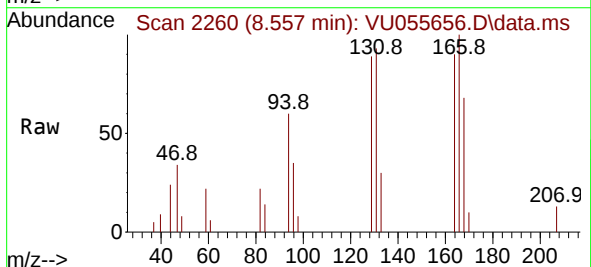
Tgt Ion: 97 Resp: 248
Ion Ratio Lower Upper
97 100
99 71.7 44.1 81.9
83 120.8 61.5 114.1
85 72.3 39.5 73.3

Manual Integrations
APPROVED

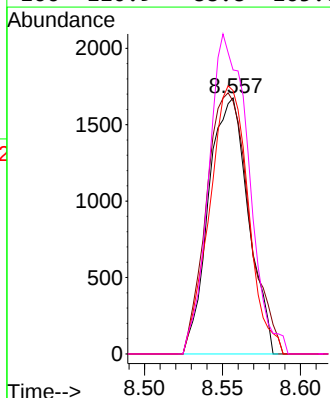
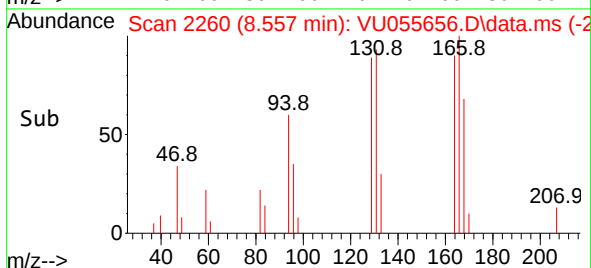
Reviewed By :Mahesh Dadoda 10/06/2023
Supervised By :Semsettin Yesilyurt 10/06/2023

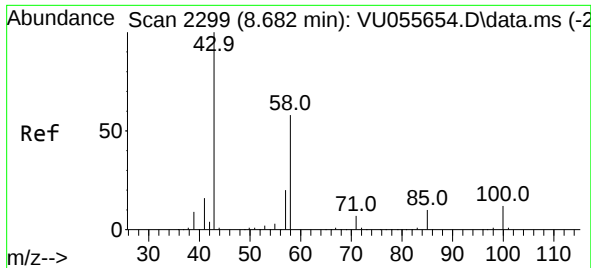


#47
Tetrachloroethene
Concen: 0.272 ug/L
RT: 8.557 min Scan# 2260
Delta R.T. 0.007 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56



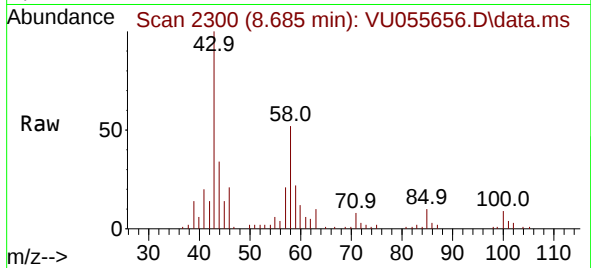
Tgt Ion:164 Resp: 2970
Ion Ratio Lower Upper
164 100
129 98.7 67.4 125.2
131 102.9 66.4 123.2
166 110.9 88.8 165.0





#48
2-Hexanone
Concen: 5.861 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

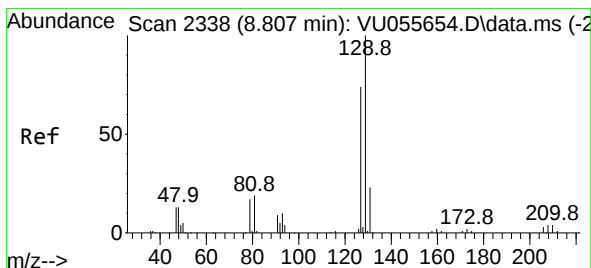
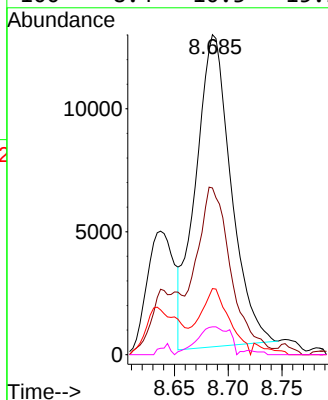
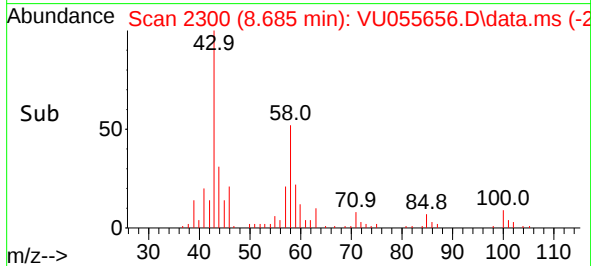
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



Tgt Ion: 43 Resp: 29030
Ion Ratio Lower Upper
43 100
58 52.0 48.5 72.7
57 17.6 17.0 25.4
100 8.4 10.3 15.5#

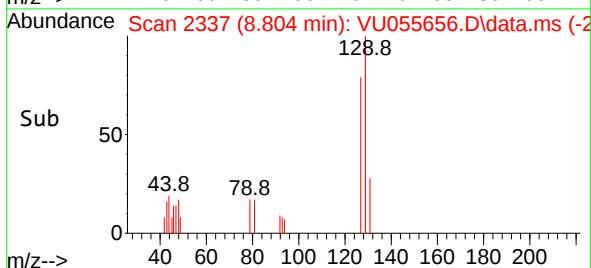
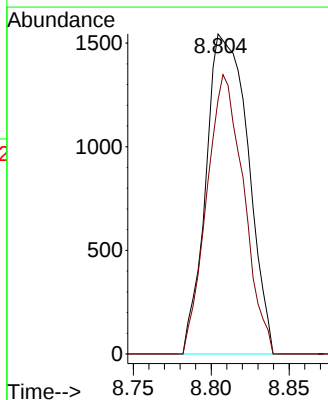
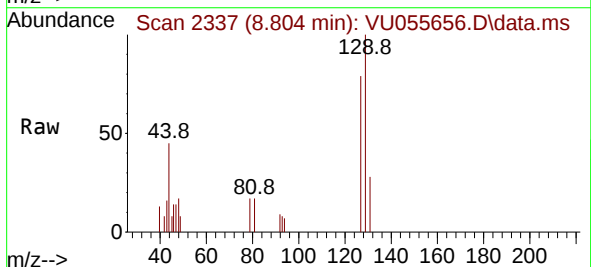
Manual Integrations
APPROVED

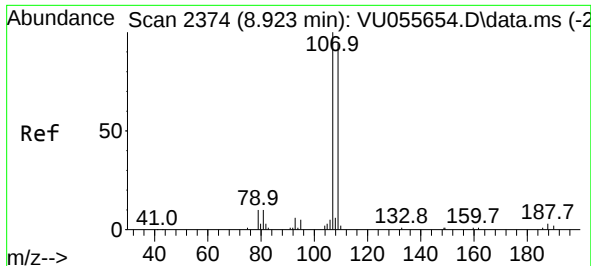
Reviewed By :Mahesh Dadoda 10/06/2023
Supervised By :Semsettin Yesilyurt 10/06/2023



#49
Dibromochloromethane
Concen: 0.280 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

Tgt Ion:129 Resp: 2904
Ion Ratio Lower Upper
129 100
127 79.4 56.8 105.6





#50

1,2-Dibromoethane

Concen: 0.262 ug/L

RT: 8.923 min Scan# 2374

Delta R.T. 0.000 min

Lab File: VU055656.D

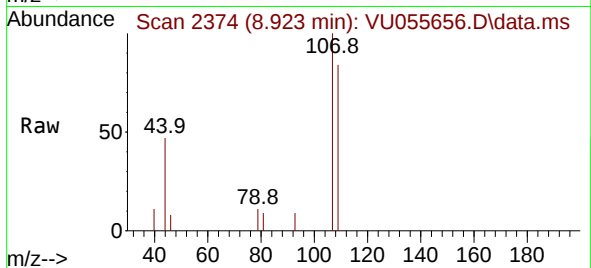
Acq: 04 Oct 2023 10:56

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2023-08



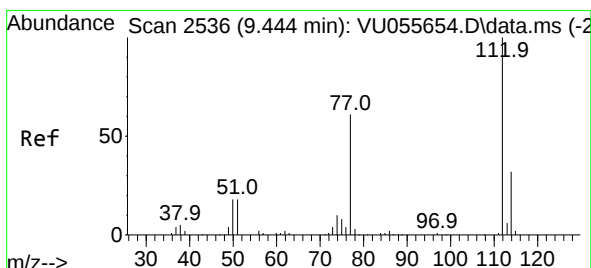
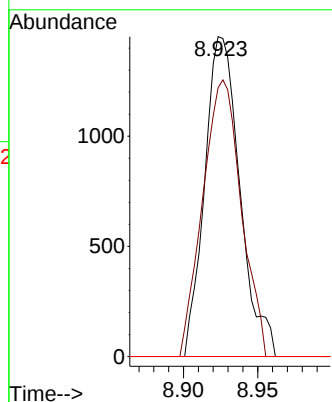
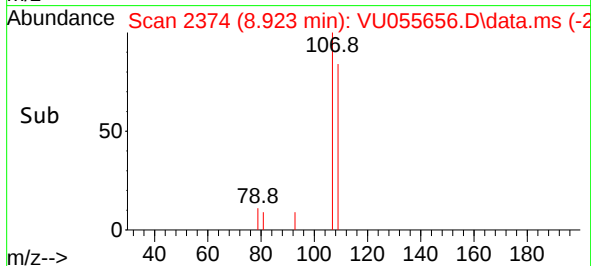
Tgt Ion:	107	Resp:	2398
Ion Ratio	Lower	Upper	
107	100		
109	84.0	66.1	122.8
188	0.0	3.2	4.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/06/2023

Supervised By :Semsettin Yesilyurt 10/06/2023



#51

Chlorobenzene

Concen: 0.276 ug/L

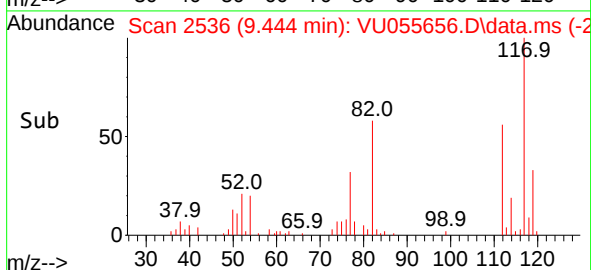
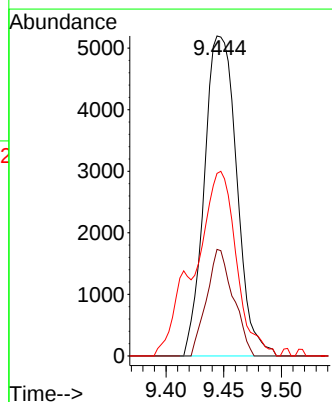
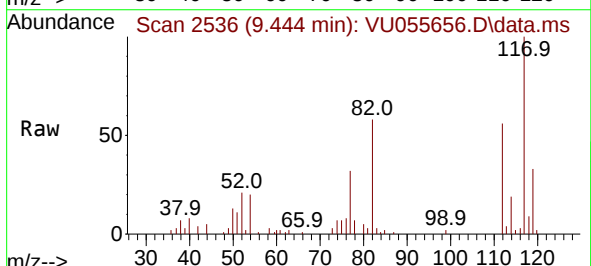
RT: 9.444 min Scan# 2536

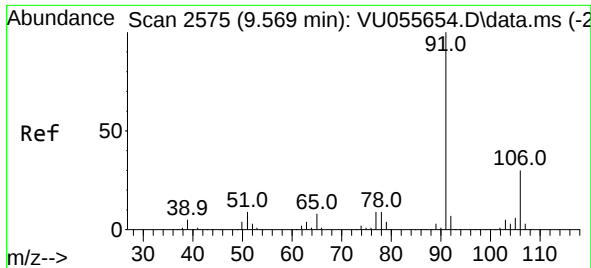
Delta R.T. 0.000 min

Lab File: VU055656.D

Acq: 04 Oct 2023 10:56

Tgt Ion:	112	Resp:	10146
Ion Ratio	Lower	Upper	
112	100		
114	31.3	22.0	40.8
77	53.6	46.9	70.3





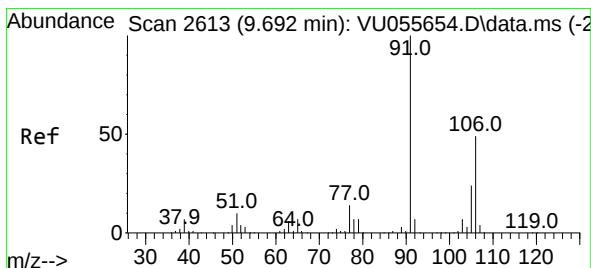
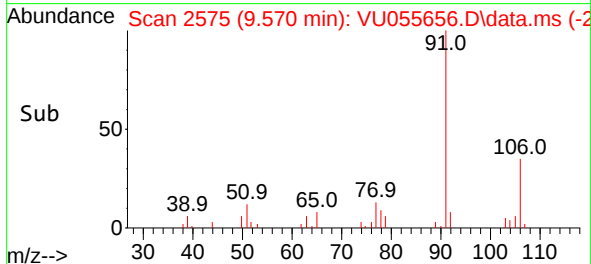
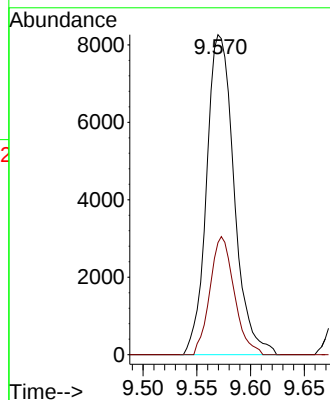
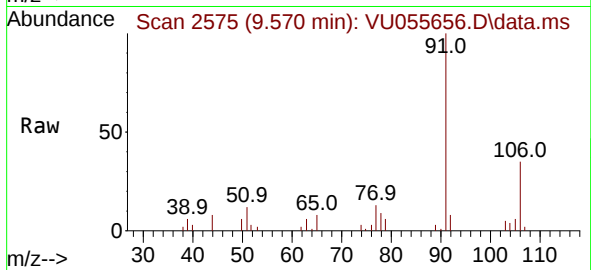
#52
Ethylbenzene
Concen: 0.239 ug/L
RT: 9.570 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion: 91 Resp: 1469
Ion Ratio Lower Upper
91 100
106 35.0 22.4 41.6

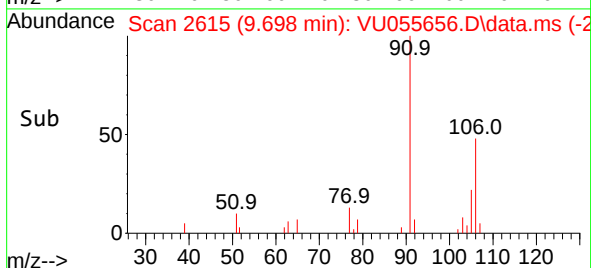
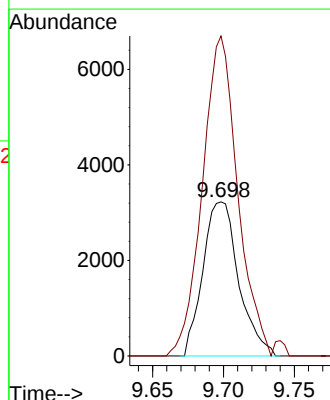
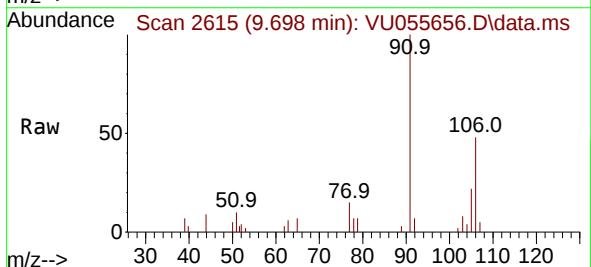
Manual Integrations
APPROVED

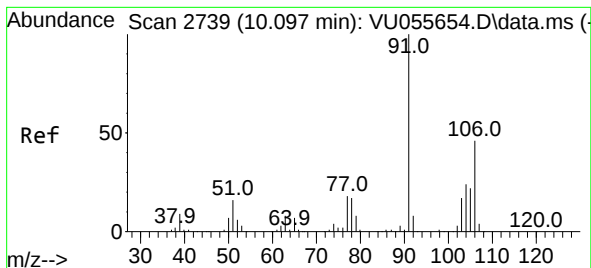
Reviewed By :Mahesh Dadoda 10/06/2023
Supervised By :Semsettin Yesilyurt 10/06/2023



#53
m,p-Xylene
Concen: 0.245 ug/L
RT: 9.698 min Scan# 2615
Delta R.T. 0.007 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

Tgt Ion:106 Resp: 5662
Ion Ratio Lower Upper
106 100
91 207.6 144.8 269.0





#54

o-Xylene

Concen: 0.247 ug/L

RT: 10.103 min Scan# 2739

Delta R.T. 0.007 min

Lab File: VU055656.D

Acq: 04 Oct 2023 10:56

Instrument :

MSVOA_U

ClientSampleId :

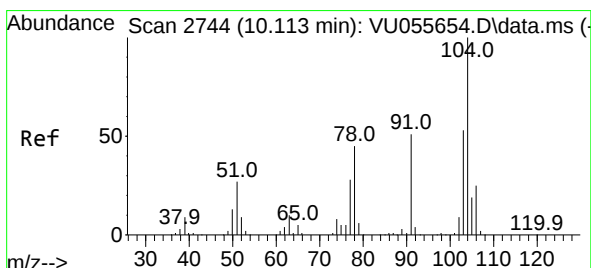
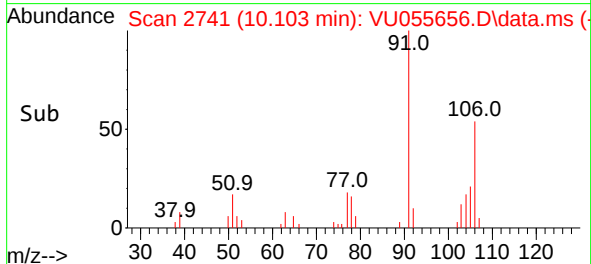
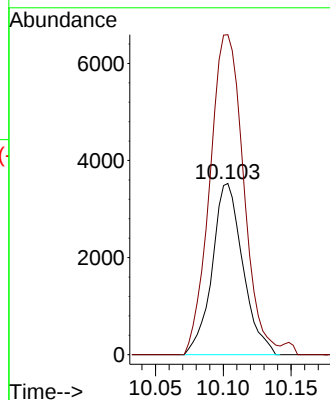
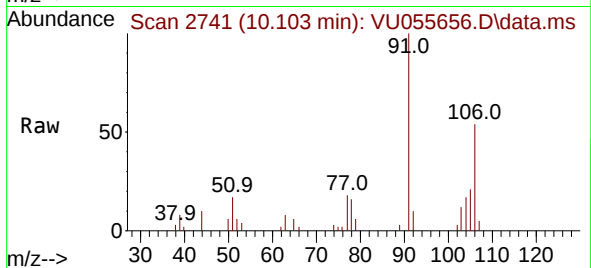
MDL-WATER-QT4-2023-08

Tgt Ion:106 Resp: 555
 Ion Ratio Lower Upper
 106 100
 91 186.9 157.6 292.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/06/2023
 Supervised By :Semsettin Yesilyurt 10/06/2023



#55

Styrene

Concen: 0.226 ug/L

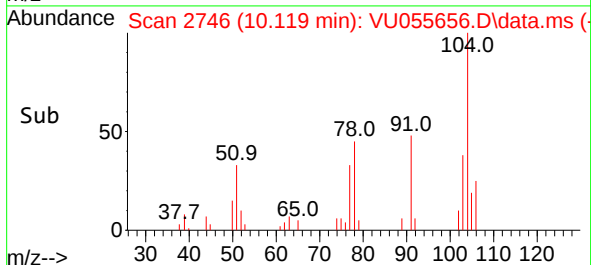
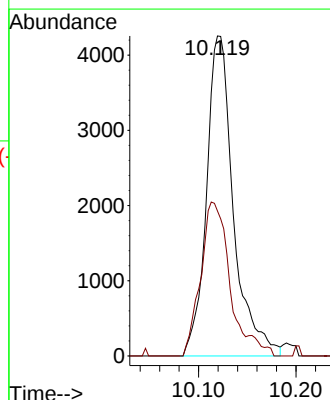
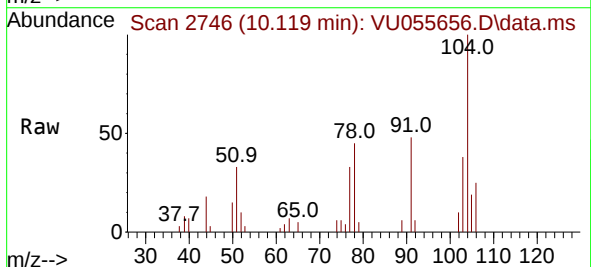
RT: 10.119 min Scan# 2746

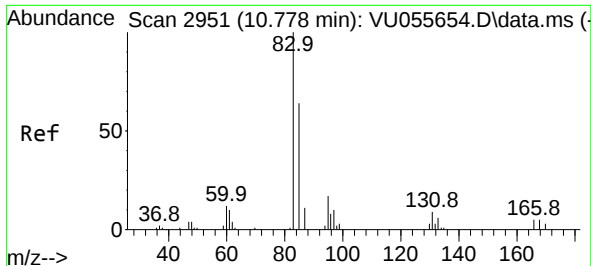
Delta R.T. 0.007 min

Lab File: VU055656.D

Acq: 04 Oct 2023 10:56

Tgt Ion:104 Resp: 8202
 Ion Ratio Lower Upper
 104 100
 78 45.3 31.2 58.0





#57

1,1,2,2-Tetrachloroethane

Concen: 0.277 ug/L

RT: 10.782 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VU055656.D

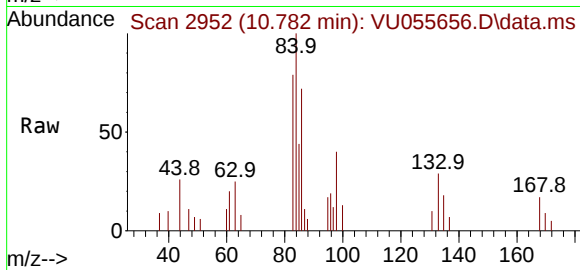
Acq: 04 Oct 2023 10:56

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2023-08

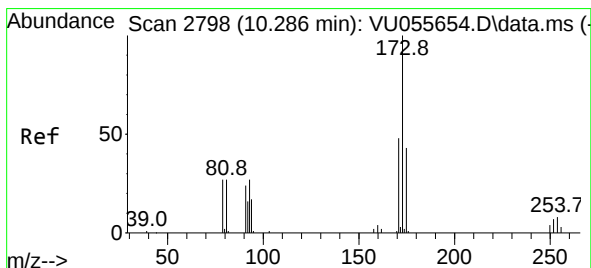
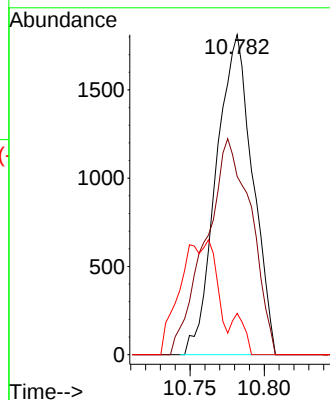
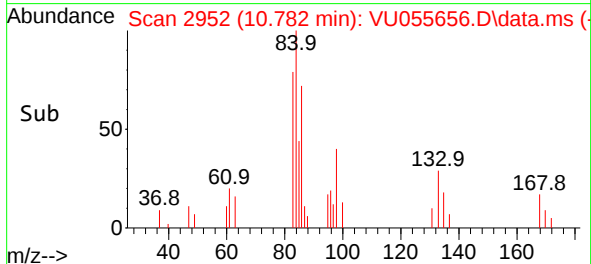


Tgt Ion:	83	Resp:	308
Ion	Ratio	Lower	Upper
83	100		
85	55.7	44.4	82.5
131	12.9	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/06/2023
Supervised By :Semsettin Yesilyurt 10/06/2023



#59

Bromoform

Concen: 0.258 ug/L

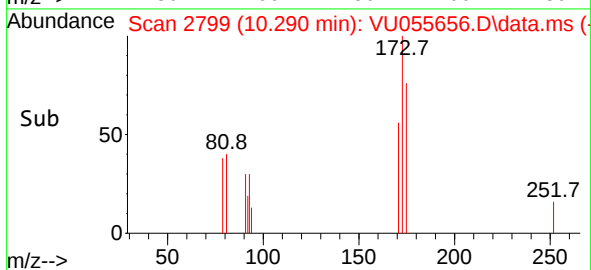
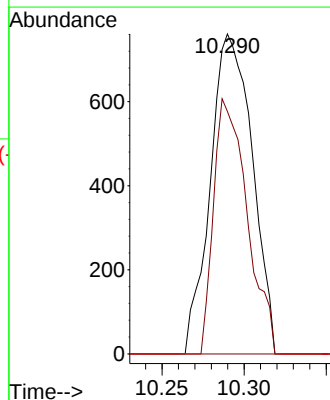
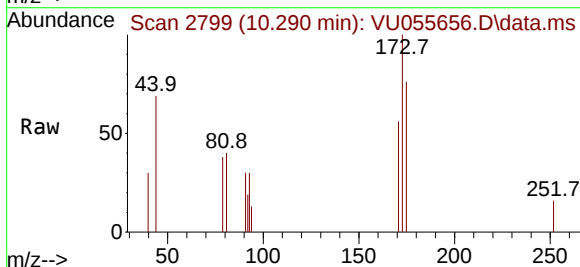
RT: 10.290 min Scan# 2799

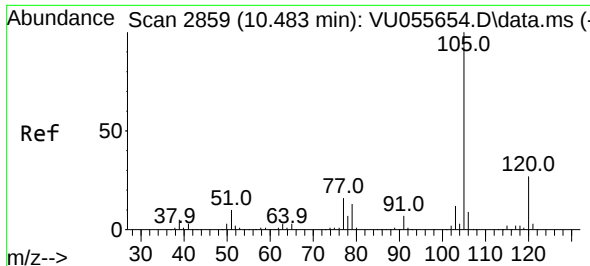
Delta R.T. 0.003 min

Lab File: VU055656.D

Acq: 04 Oct 2023 10:56

Tgt Ion:	173	Resp:	1350
Ion	Ratio	Lower	Upper
173	100		
175	63.8	39.4	59.2#
254	0.0	7.3	10.9#





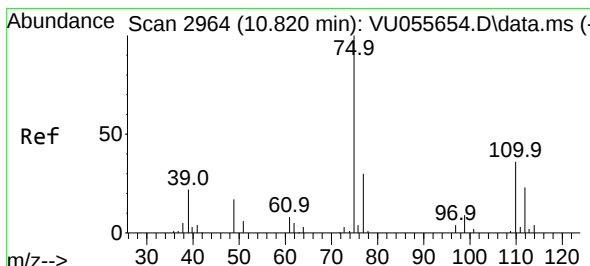
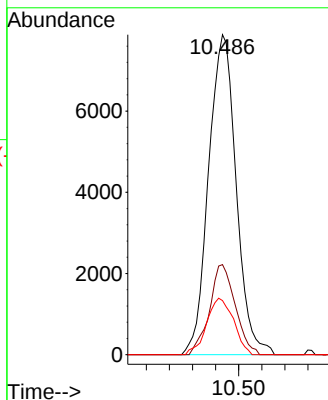
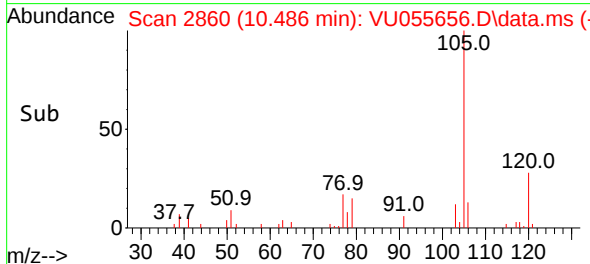
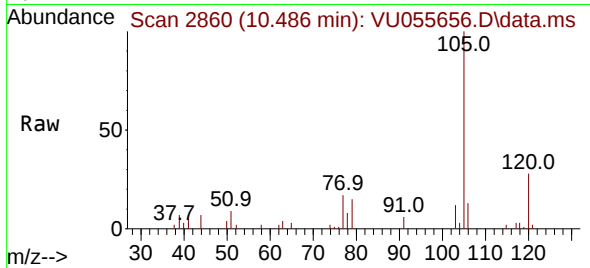
#60
Isopropylbenzene
Concen: 0.232 ug/L
RT: 10.486 min Scan# 2859
Delta R.T. 0.003 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion:105 Resp: 13060
Ion Ratio Lower Upper
105 100
120 26.2 20.8 31.2
77 17.2 12.6 19.0

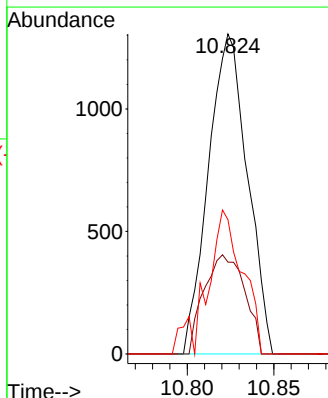
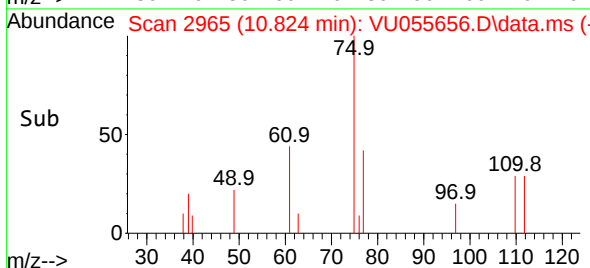
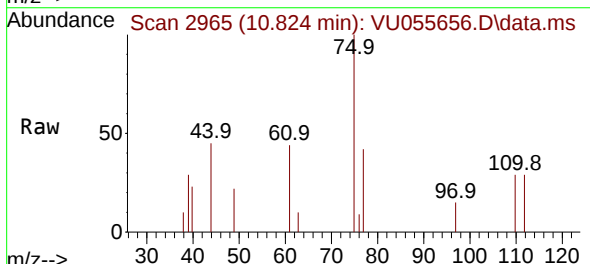
Manual Integrations
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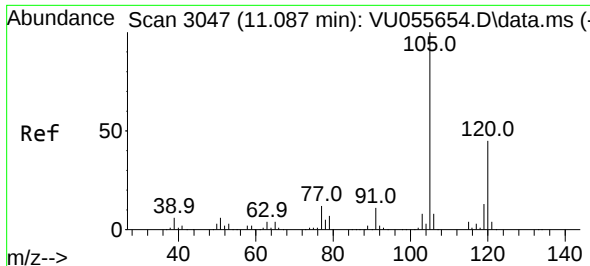
Reviewed By :Mahesh Dadoda 10/06/2023
Supervised By :Semsettin Yesilyurt 10/06/2023



#61
1,2,3-Trichloropropane
Concen: 0.269 ug/L
RT: 10.824 min Scan# 2965
Delta R.T. 0.003 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

Tgt Ion: 75 Resp: 2046
Ion Ratio Lower Upper
75 100
110 32.3 30.6 45.8
77 41.0 26.7 40.1#





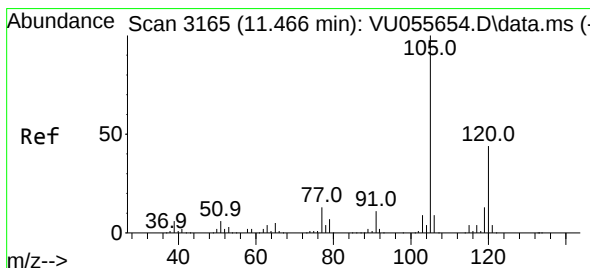
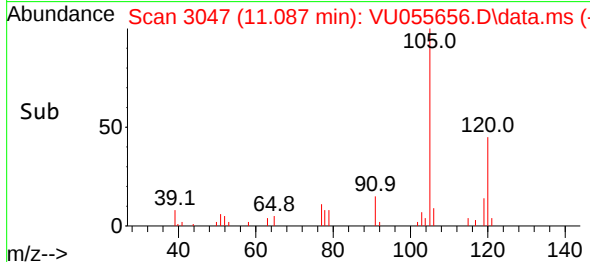
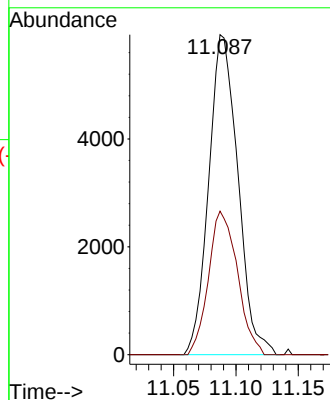
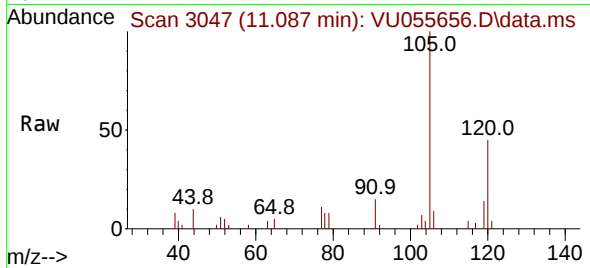
#62
1,3,5-Trimethylbenzene
Concen: 0.215 ug/L
RT: 11.087 min Scan# 3047
Delta R.T. 0.000 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion:105 Resp: 966
Ion Ratio Lower Upper
105 100
120 44.5 38.1 57.1

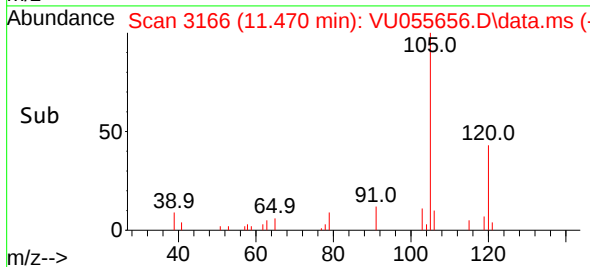
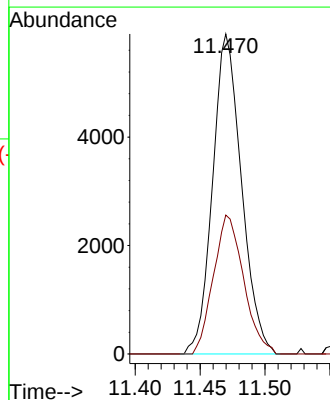
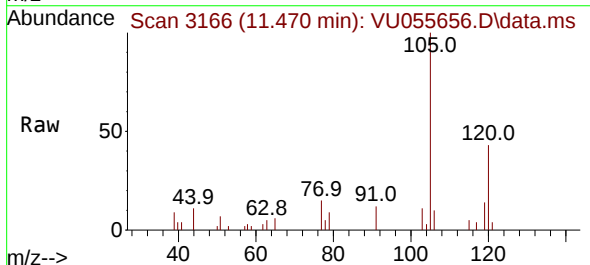
Manual Integrations
APPROVED

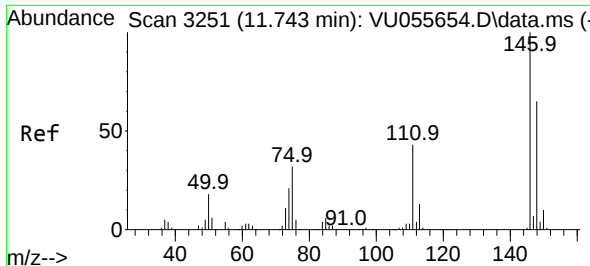
Reviewed By :Mahesh Dadoda 10/06/2023
Supervised By :Semsettin Yesilyurt 10/06/2023



#63
1,2,4-Trimethylbenzene
Concen: 0.207 ug/L
RT: 11.470 min Scan# 3166
Delta R.T. 0.003 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

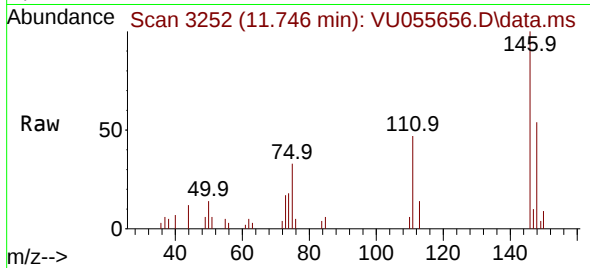
Tgt Ion:105 Resp: 9106
Ion Ratio Lower Upper
105 100
120 45.4 34.9 52.3





#64
1,3-Dichlorobenzene
Concen: 0.269 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

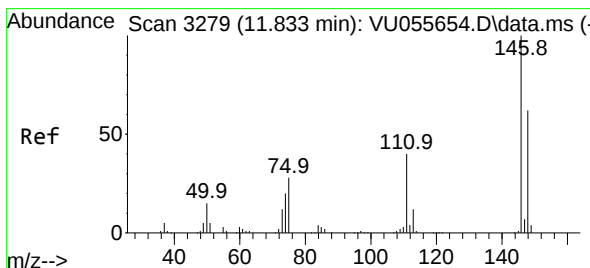
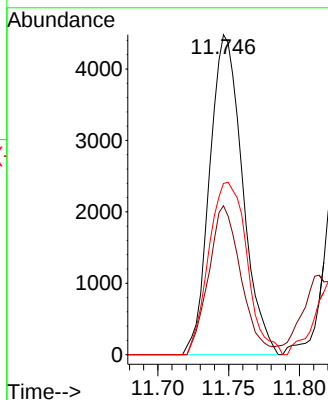
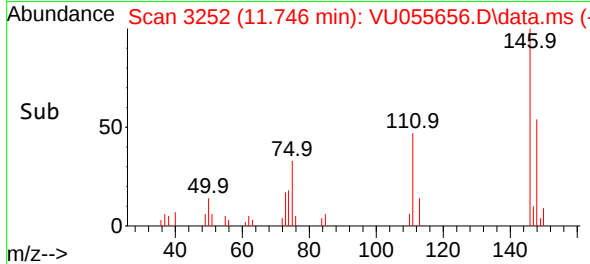
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



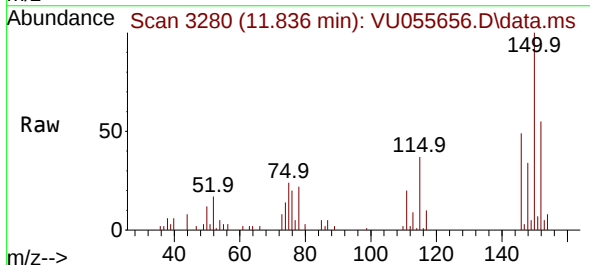
Tgt Ion:146 Resp: 7224
Ion Ratio Lower Upper
146 100
111 46.6 28.8 53.6
148 53.5 44.6 82.8

Manual Integrations
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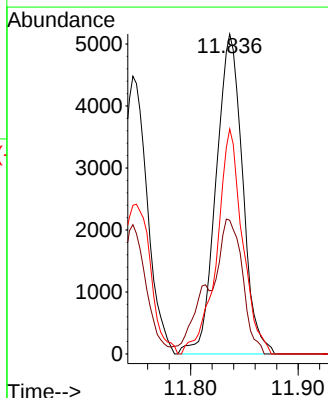
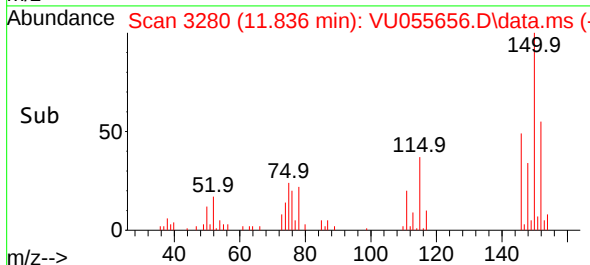
Reviewed By :Mahesh Dadoda 10/06/2023
Supervised By :Semsettin Yesilyurt 10/06/2023

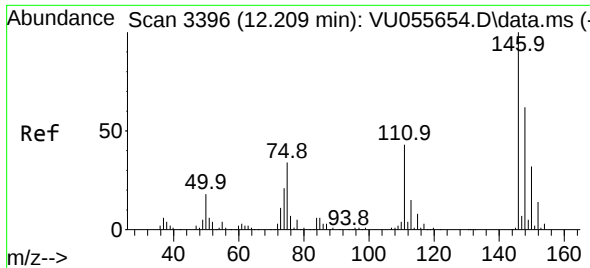


#65
1,4-Dichlorobenzene
Concen: 0.329 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.003 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56



Tgt Ion:146 Resp: 8843
Ion Ratio Lower Upper
146 100
111 41.8 29.0 53.8
148 70.3 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 0.292 ug/L

RT: 12.213 min Scan# 3396

Delta R.T. 0.003 min

Lab File: VU055656.D

Acq: 04 Oct 2023 10:56

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2023-08

Tgt Ion:146 Resp: 719

Ion Ratio Lower Upper

146 100

111 46.0 34.6 52.0

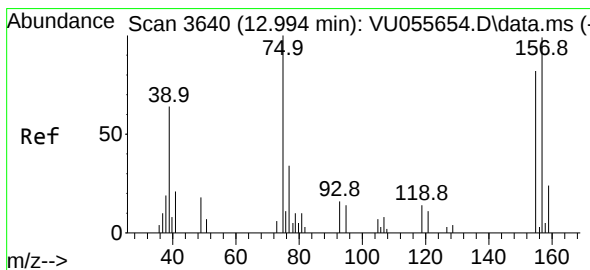
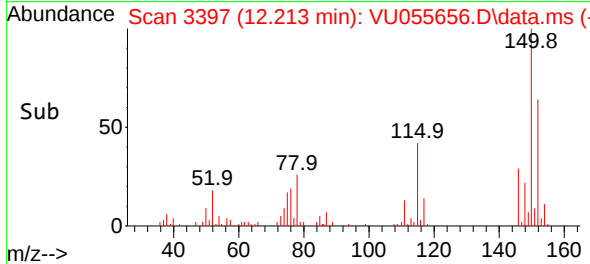
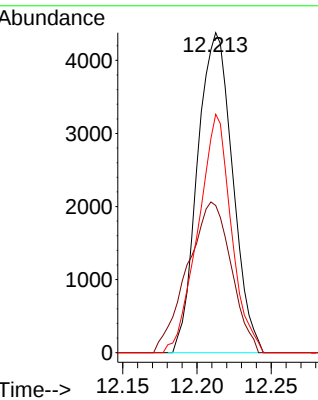
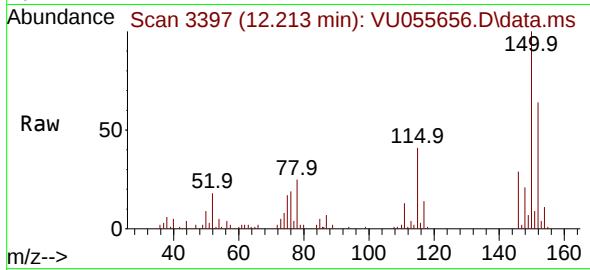
148 74.5 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/06/2023

Supervised By :Semsettin Yesilyurt 10/06/2023



#68

1,2-Dibromo-3-chloropropane

Concen: 0.227 ug/L

RT: 13.000 min Scan# 3642

Delta R.T. 0.007 min

Lab File: VU055656.D

Acq: 04 Oct 2023 10:56

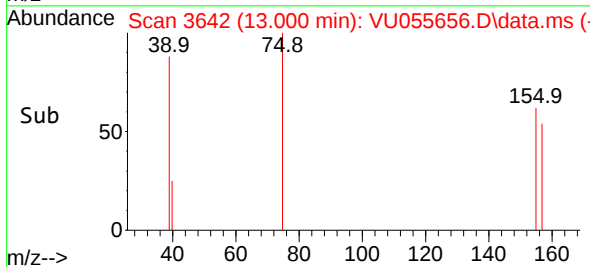
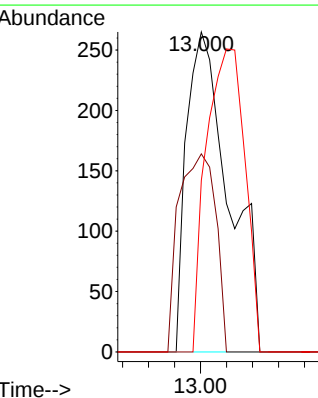
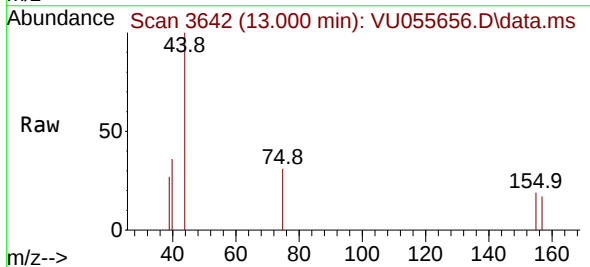
Tgt Ion: 75 Resp: 300

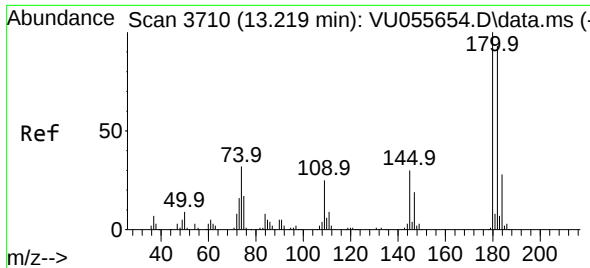
Ion Ratio Lower Upper

75 100

155 61.9 69.2 103.8#

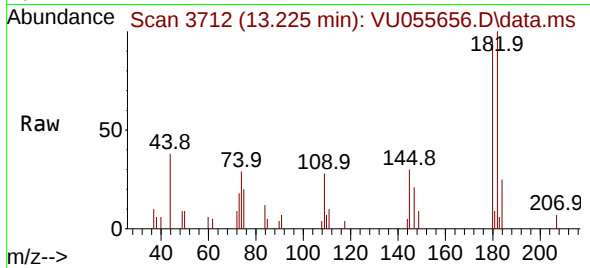
157 53.6 81.9 122.9#





#69
1,3,5-Trichlorobenzene
Concen: 0.269 ug/L
RT: 13.225 min Scan# 3712
Delta R.T. 0.007 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56

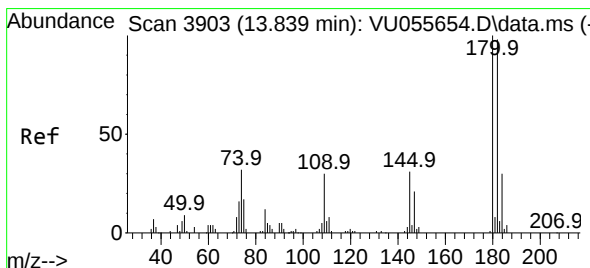
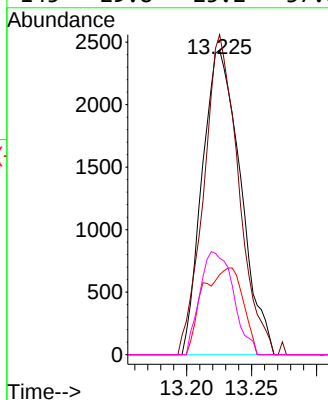
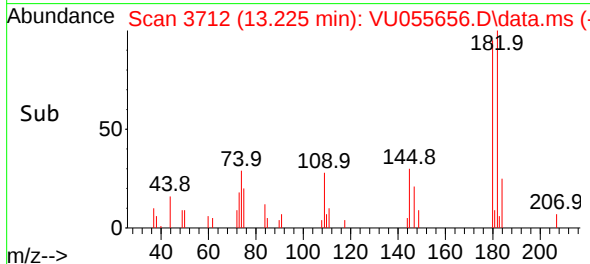
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



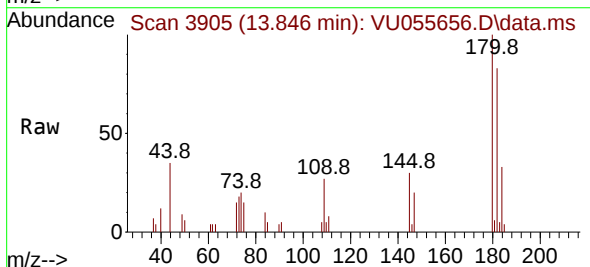
Tgt Ion:180 Resp: 4988
Ion Ratio Lower Upper
180 100
182 95.0 77.1 115.7
184 29.8 24.0 36.0
145 29.8 25.2 37.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2023
Supervised By :Semsettin Yesilyurt 10/06/2023



#70
1,2,4-trichlorobenzene
Concen: 0.334 ug/L
RT: 13.846 min Scan# 3905
Delta R.T. 0.007 min
Lab File: VU055656.D
Acq: 04 Oct 2023 10:56



Tgt Ion:180 Resp: 4714
Ion Ratio Lower Upper
180 100
182 82.7 76.4 114.6
145 31.0 25.4 38.0

