

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110525\
 Data File : VU063674.D
 Acq On : 05 Nov 2025 16:01
 Operator : MD/SY
 Sample : Q3530-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2025

Quant Time: Nov 06 04:40:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U103125DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Nov 03 00:51:51 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/12/2025
 Supervised By : Mahesh Dadoda 11/12/2025

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

Internal Standards						
1) Fluorobenzene	6.081	96	65297	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.611	95	27403	0.928	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
68) 1,2-Dichlorobenzene-d4	12.171	152	25135	0.949	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	10435	0.425	ug/l	95
3) Chloromethane	1.509	50	10418	0.451	ug/l	98
4) Vinyl Chloride	1.589	62	10390	0.442	ug/l	92
5) Bromomethane	1.840	94	7929	0.558	ug/l	96
6) Chloroethane	1.914	64	6339	0.439	ug/l	90
7) Trichlorofluoromethane	2.120	101	16140	0.472	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.557	101	8700	0.479	ug/l	97
9) 1,1-Dichloroethene	2.557	96	8087	0.459	ug/l	96
10) Iodomethane	2.698	142	9244	0.354	ug/l	98
11) Allyl Chloride	2.898	41	11494	0.418	ug/l	93
12) Acrylonitrile	3.293	53	4072	0.935	ug/l	# 88
13) Acetone	2.605	43	18492	2.404	ug/l	100
14) Carbon Disulfide	2.766	76	20054	0.404	ug/l	96
15) Methylene Chloride	3.013	84	13454	0.595	ug/l	96
16) trans-1,2-Dichloroethene	3.322	96	9522	0.490	ug/l	91
17) 1,1-Dichloroethane	3.830	63	18175	0.473	ug/l	97
18) 2-Butanone	4.692	43	17923	2.197	ug/l	99
19) Cyclohexane	5.345	56	12382	0.421	ug/l	93
20) Methylcyclohexane	6.724	83	16333	0.446	ug/l	94
21) 2,2-Dichloropropane	4.624	77	14841	0.430	ug/l	92
22) cis-1,2-Dichloroethene	4.631	96	10421	0.471	ug/l	97
23) Diethyl Ether	2.358	59	6220	0.431	ug/l	93
24) tert-Butyl Alcohol	3.165	59	10082	4.055	ug/l	# 87
25) Methyl tert-Butyl Ether	3.341	73	24147	0.468	ug/l	99
26) Bromochloromethane	4.946	128	4718	0.506	ug/l	87
27) Chloroform	5.058	83	19120	0.486	ug/l	97
28) 1,1,1-Trichloroethane	5.280	97	16426	0.473	ug/l	94
29) 1,1-Dichloropropene	5.489	75	13995	0.480	ug/l	99
30) Carbon Tetrachloride	5.489	117	11933	0.434	ug/l	# 90
31) Isopropyl Ether	3.972	45	27713	0.455	ug/l	97
32) Ethyl-t-butyl ether	4.480	59	26993	0.460	ug/l	99
33) Tert-Amyl methyl ether	5.927	73	23800	0.466	ug/l	98
34) Propionitrile	4.759	54	3405	2.136	ug/l	# 68
35) Benzene	5.740	78	36990	0.451	ug/l	94
36) 1,2-Dichloroethane	5.763	62	11705	0.444	ug/l	# 92
37) Trichloroethene	6.512	130	10503	0.449	ug/l	89
38) 1,2-Dichloropropane	6.766	63	11156	0.485	ug/l	94
39) Methacrylonitrile	4.952	41	3230	0.407	ug/l	# 76
40) Methyl acrylate	4.827	55	4751	0.412	ug/l	# 91
41) Tetrahydrofuran	5.042	42	3656	1.024	ug/l	# 84
42) 1-Chlorobutane	5.425	56	17413	0.446	ug/l	93
43) Dibromomethane	6.894	93	5293	0.445	ug/l	95
44) Bromodichloromethane	7.078	83	11777	0.405	ug/l	95

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 LOQ-WATER-02-QT4-2025

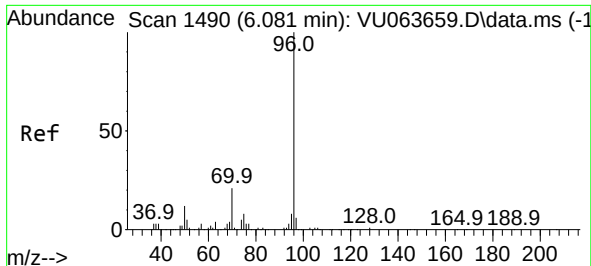
Quant Time: Nov 06 04:40:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U103125DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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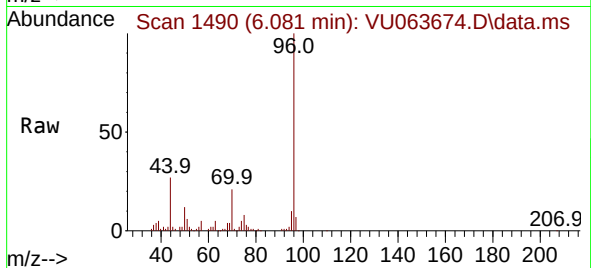
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	31549	2.201	ug/l	100
46) t-1,4-Dichloro-2-butene	10.811	75	3388m	0.681	ug/l	
47) Methyl methacrylate	6.946	69	9836	0.899	ug/l	99
48) Ethyl methacrylate	8.322	69	9416	0.423	ug/l	99
49) Toluene	7.946	92	25343	0.458	ug/l	99
50) t-1,3-Dichloropropene	8.190	75	9603	0.380	ug/l	96
51) cis-1,3-Dichloropropene	7.582	75	12574	0.398	ug/l	100
52) 1,1,2-Trichloroethane	8.377	97	7350	0.455	ug/l	95
53) 1,3-Dichloropropane	8.553	76	12670	0.439	ug/l	96
54) 2-Hexanone	8.679	43	26080	2.155	ug/l	87
55) Dibromochloromethane	8.785	129	7215	0.379	ug/l	97
56) 1,2-Dibromoethane	8.904	107	6303	0.410	ug/l	93
58) Tetrachloroethene	8.528	164	10639	0.465	ug/l	90
59) Chlorobenzene	9.425	112	28039	0.467	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.505	131	8313	0.395	ug/l	99
61) Pentachloroethane	11.402	117	6076	0.417	ug/l	90
62) Hexachloroethane	12.450	117	5136	0.321	ug/l	100
63) Ethyl Benzene	9.547	91	46618	0.429	ug/l	100
64) m/p-Xylenes	9.672	106	34754	0.856	ug/l	98
65) o-Xylene	10.077	106	17009	0.427	ug/l	94
66) Styrene	10.094	104	27267	0.422	ug/l	99
67) Bromoform	10.264	173	3376	0.329	ug/l #	89
69) Isopropylbenzene	10.460	105	44060	0.448	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.759	83	9476	0.467	ug/l	97
71) 1,2,3-Trichloropropane	10.801	75	8147m	0.461	ug/l	
72) Bromobenzene	10.759	156	11002	0.463	ug/l	84
73) n-propylbenzene	10.885	120	11546	0.414	ug/l	90
74) 2-Chlorotoluene	10.962	126	10595	0.438	ug/l	98
75) 1,3,5-Trimethylbenzene	11.065	105	39947	0.440	ug/l	97
76) 4-Chlorotoluene	11.074	126	10289	0.423	ug/l	95
77) tert-Butylbenzene	11.396	119	38660	0.434	ug/l	98
78) 1,2,4-Trimethylbenzene	11.444	105	37405	0.429	ug/l	99
79) sec-Butylbenzene	11.618	105	50509	0.431	ug/l	99
80) Nitrobenzene	13.190	77	1211m	1.696	ug/l	
81) p-Isopropyltoluene	11.769	119	40887	0.426	ug/l	96
82) 1,3-Dichlorobenzene	11.724	146	21284	0.462	ug/l	99
83) 1,4-Dichlorobenzene	11.814	146	21568	0.472	ug/l	98
84) n-Butylbenzene	12.187	91	39143	0.455	ug/l	98
85) 1,2-Dichlorobenzene	12.190	146	20286	0.466	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.971	75	1142	0.340	ug/l	97
87) 1,2,4-Trichlorobenzene	13.817	180	13634	0.508	ug/l	98
88) Hexachlorobutadiene	13.997	225	7229	0.453	ug/l	94
89) Naphthalene	14.068	128	27886	0.540	ug/l	99
90) 1,2,3-Trichlorobenzene	14.306	180	13033	0.532	ug/l	99

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



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.081 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

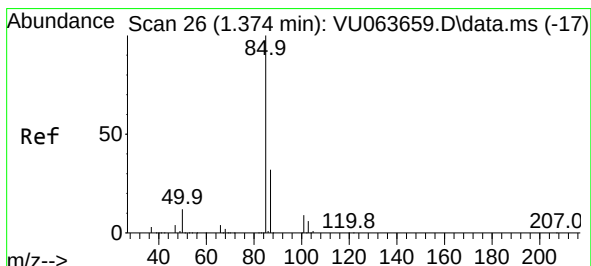
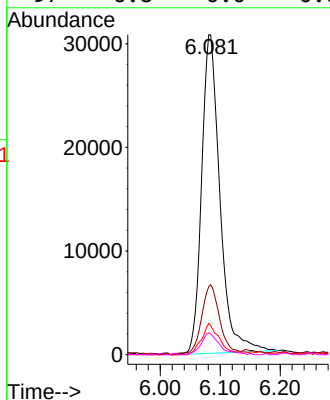
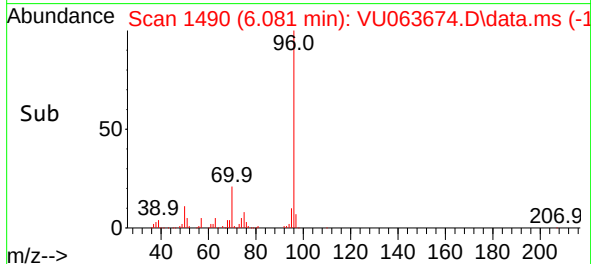
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2025



Tgt Ion	Ratio	Lower	Upper
96	100		
70	20.3	15.3	22.9
95	8.5	6.5	9.7
97	6.8	0.0	0.0

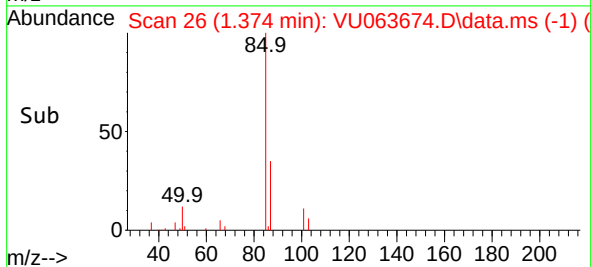
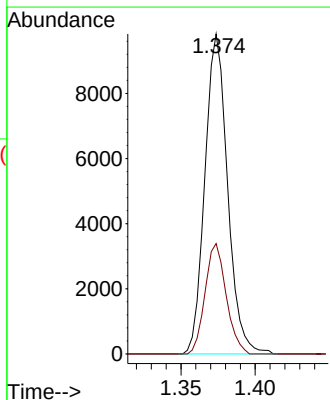
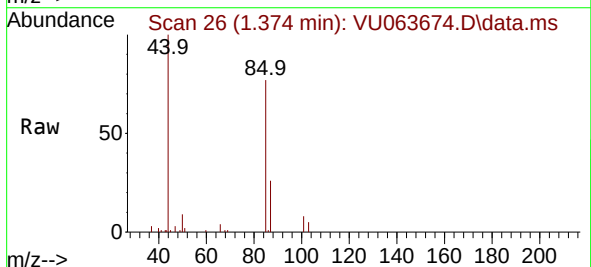
Manual Integrations
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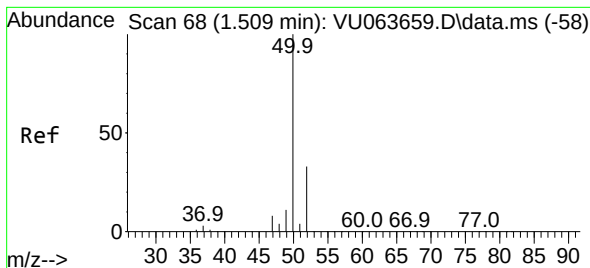
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#2
Dichlorodifluoromethane
Concen: 0.425 ug/l
RT: 1.374 min Scan# 26
Delta R.T. -0.000 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

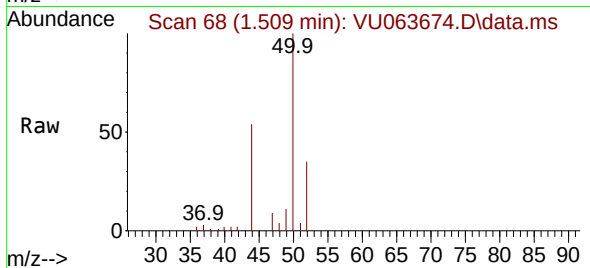
Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.5	16.0	47.9





#3
Chloromethane
Concen: 0.451 ug/l
RT: 1.509 min Scan# 68
Delta R.T. -0.000 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

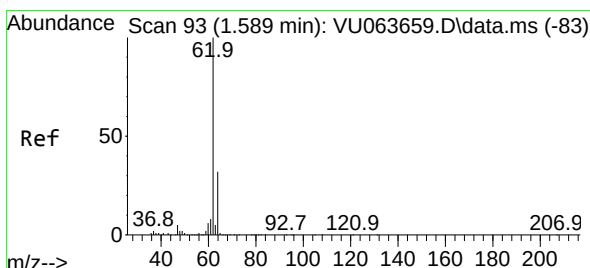
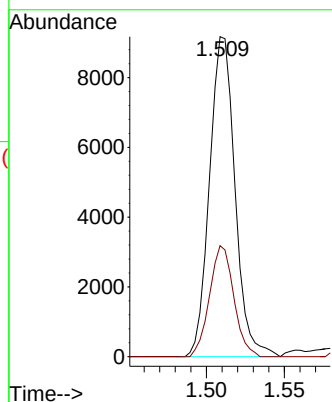
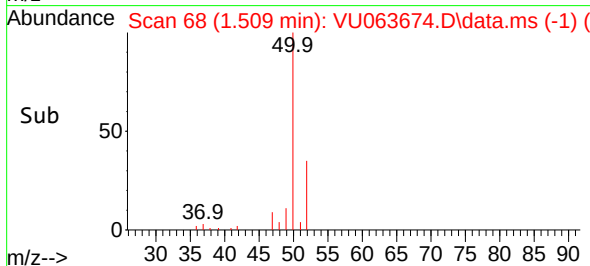
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2025



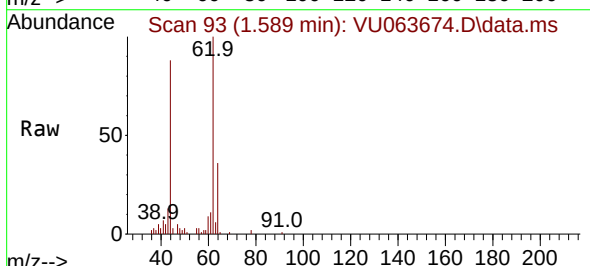
Tgt Ion: 50 Resp: 10418
Ion Ratio Lower Upper
50 100
52 34.7 26.6 40.0

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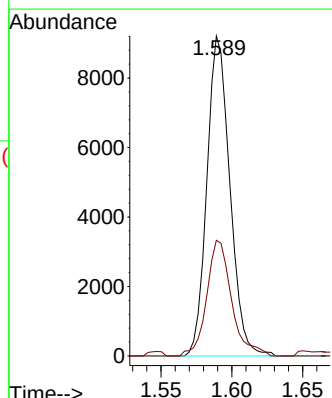
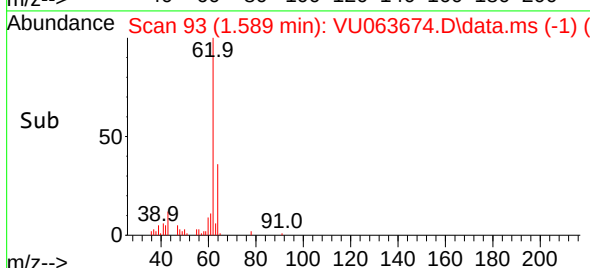
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

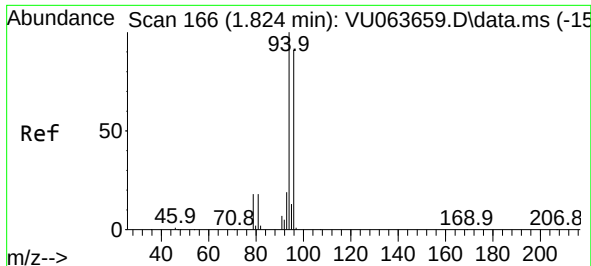


#4
Vinyl Chloride
Concen: 0.442 ug/l
RT: 1.589 min Scan# 93
Delta R.T. -0.000 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01



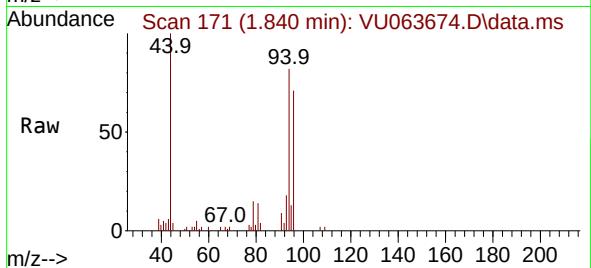
Tgt Ion: 62 Resp: 10390
Ion Ratio Lower Upper
62 100
64 36.1 25.2 37.8





#5
Bromomethane
Concen: 0.558 ug/l
RT: 1.840 min Scan# 11
Delta R.T. 0.016 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

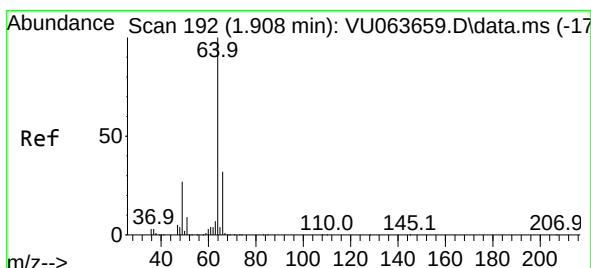
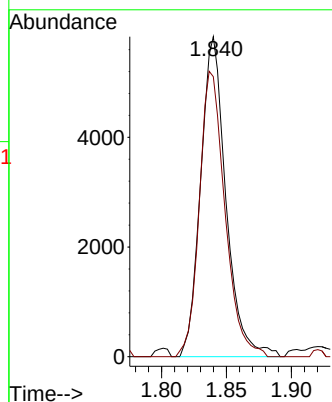
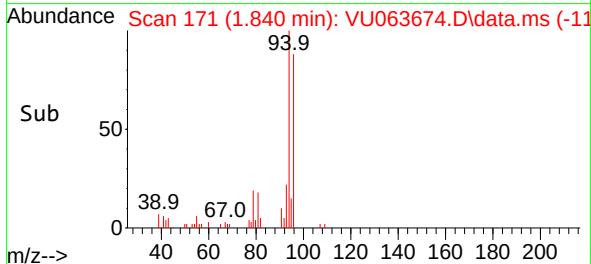
Instrument :
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ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 94 Resp: 7929
Ion Ratio Lower Upper
94 100
96 87.5 73.0 109.6

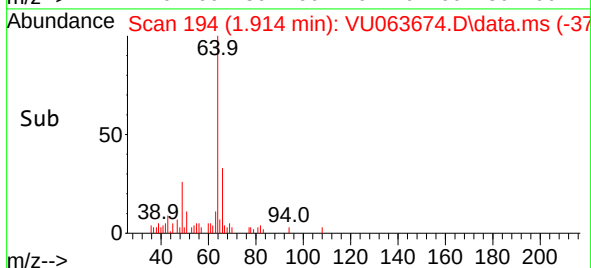
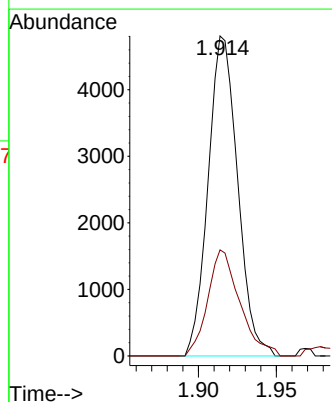
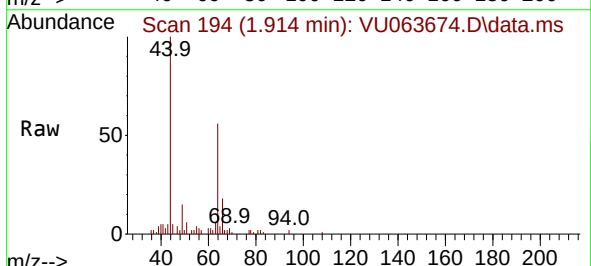
Manual Integrations
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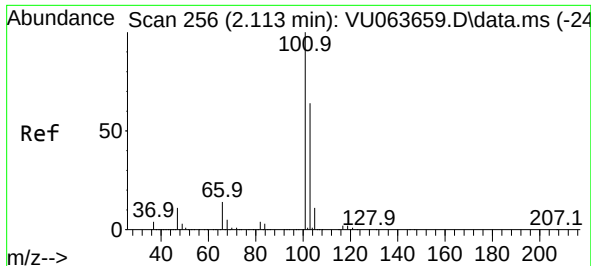
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#6
Chloroethane
Concen: 0.439 ug/l
RT: 1.914 min Scan# 194
Delta R.T. 0.006 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

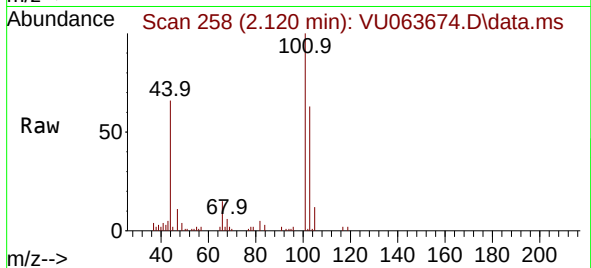
Tgt Ion: 64 Resp: 6339
Ion Ratio Lower Upper
64 100
66 37.5 25.4 38.2





#7
 Trichlorofluoromethane
 Concen: 0.472 ug/l
 RT: 2.120 min Scan# 211
 Delta R.T. 0.006 min
 Lab File: VU063674.D
 Acq: 05 Nov 2025 16:01

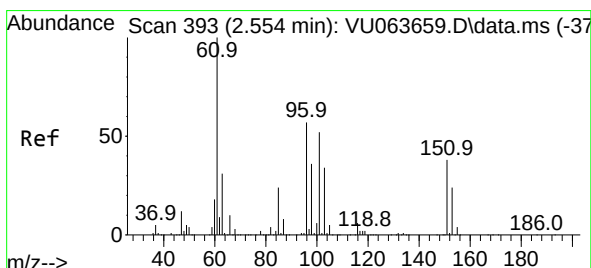
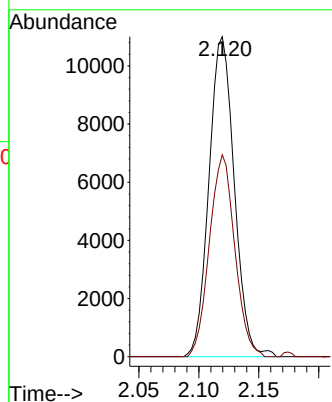
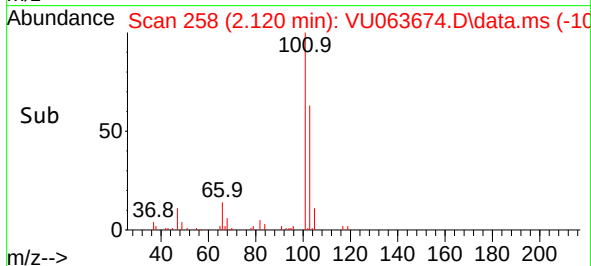
Instrument :
 MSVOA_U
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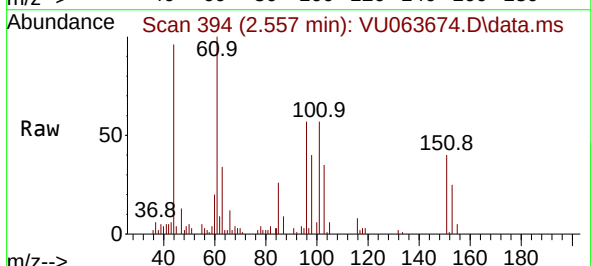
Tgt Ion:101 Resp: 16140
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.0 76.6

Manual Integrations
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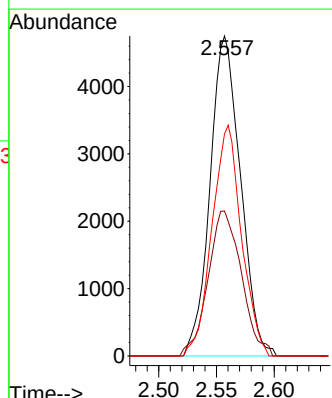
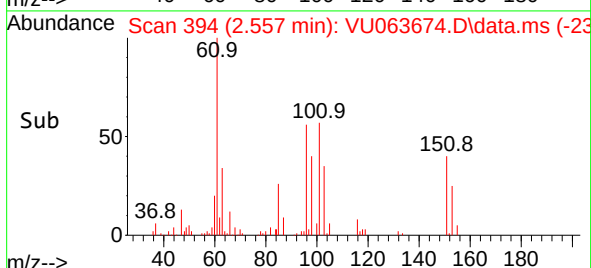
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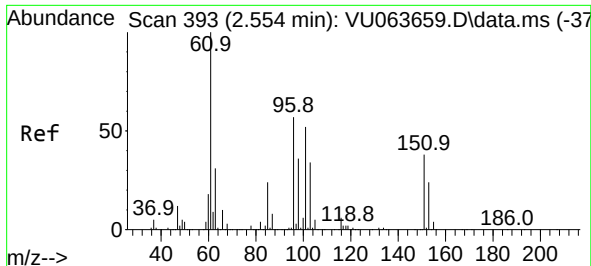


#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.479 ug/l
 RT: 2.557 min Scan# 394
 Delta R.T. 0.003 min
 Lab File: VU063674.D
 Acq: 05 Nov 2025 16:01



Tgt Ion:101 Resp: 8700
 Ion Ratio Lower Upper
 101 100
 85 49.7 37.0 55.4
 151 69.9 57.2 85.8





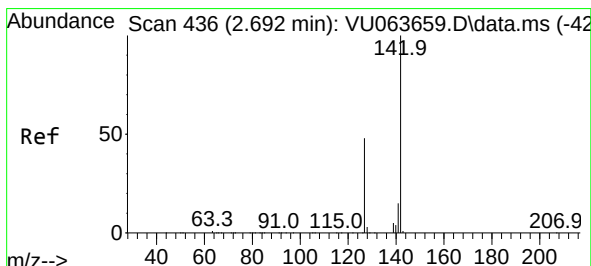
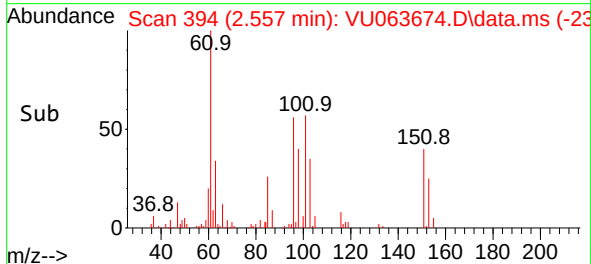
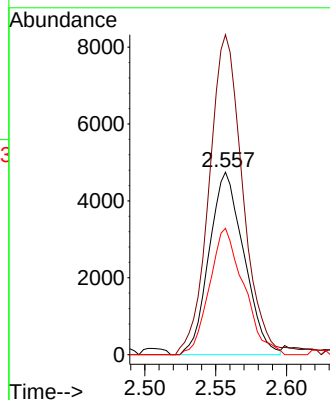
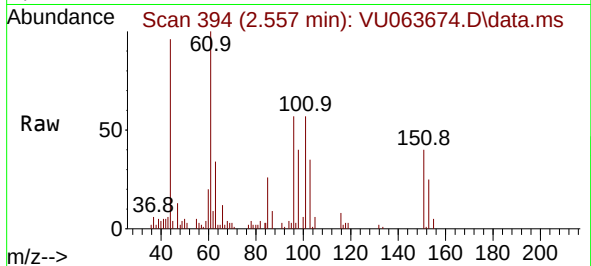
#9
1,1-Dichloroethene
Concen: 0.459 ug/l
RT: 2.557 min Scan# 393
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion: 96 Resp: 808
Ion Ratio Lower Upper
96 100
61 171.5 0.0 524.7
98 69.2 0.0 126.8

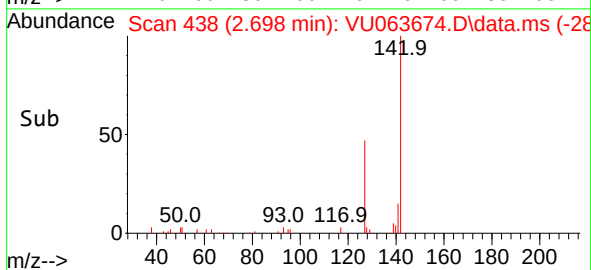
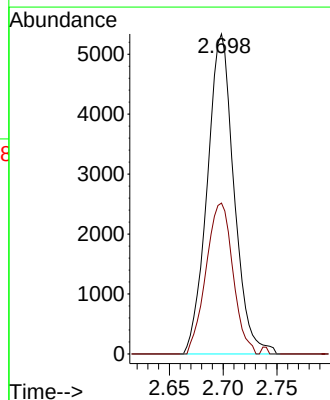
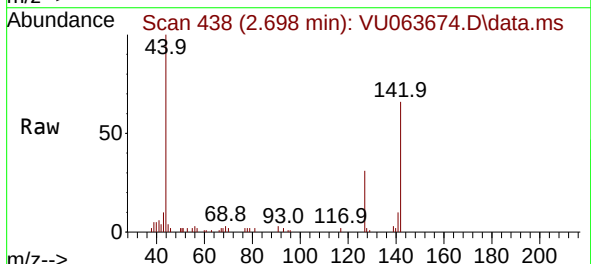
Manual Integrations
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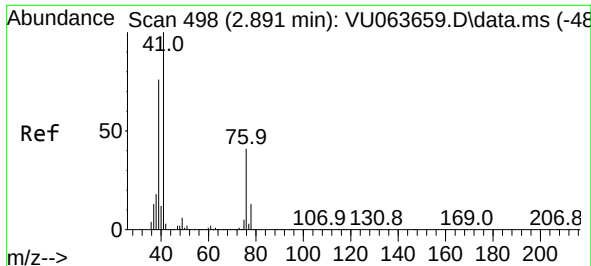
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#10
Iodomethane
Concen: 0.354 ug/l
RT: 2.698 min Scan# 438
Delta R.T. 0.006 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

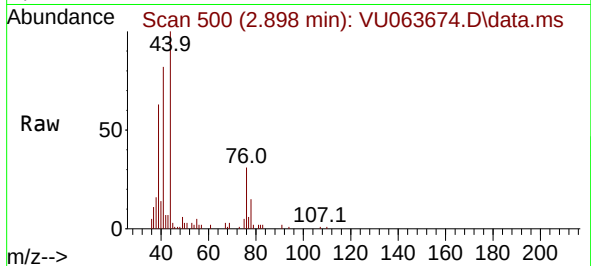
Tgt Ion:142 Resp: 9244
Ion Ratio Lower Upper
142 100
127 47.3 38.6 58.0





#11
 Allyl Chloride
 Concen: 0.418 ug/l
 RT: 2.898 min Scan# 50
 Delta R.T. 0.006 min
 Lab File: VU063674.D
 Acq: 05 Nov 2025 16:01

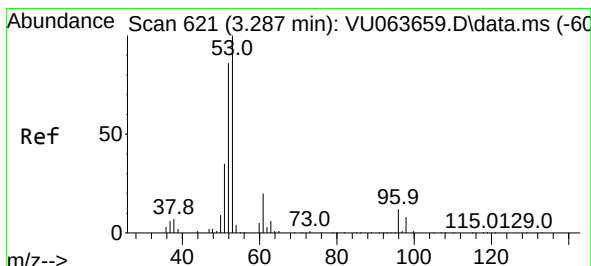
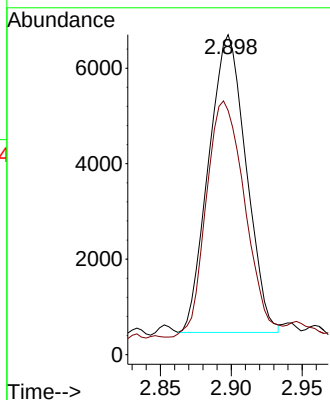
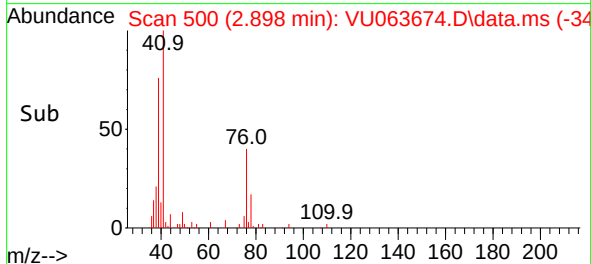
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2025



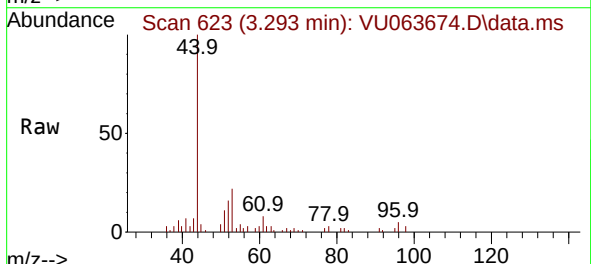
Tgt Ion: 41 Resp: 11494
 Ion Ratio Lower Upper
 41 100
 39 82.3 61.0 91.4

Manual Integrations
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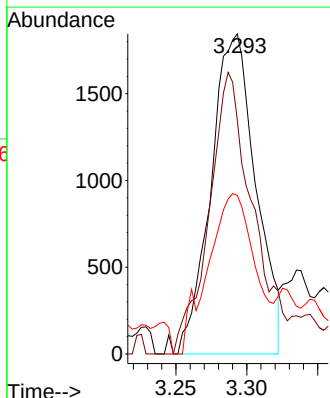
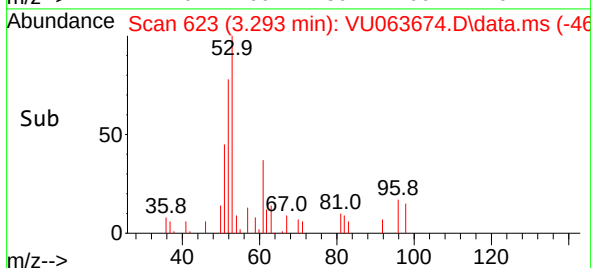
Reviewed By :John Carlone 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025

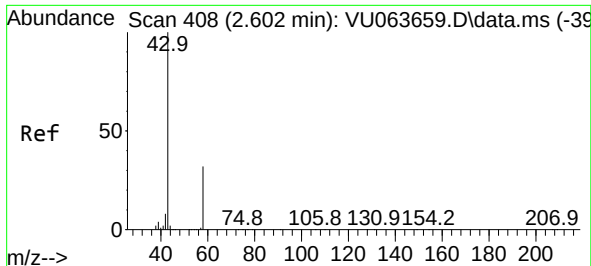


#12
 Acrylonitrile
 Concen: 0.935 ug/l
 RT: 3.293 min Scan# 623
 Delta R.T. 0.006 min
 Lab File: VU063674.D
 Acq: 05 Nov 2025 16:01



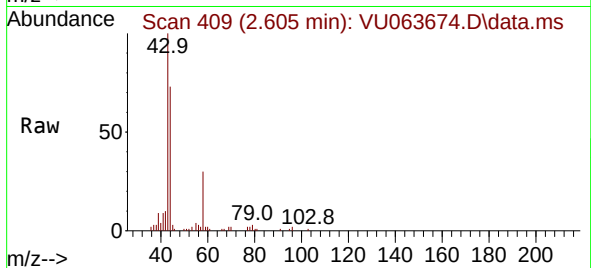
Tgt Ion: 53 Resp: 4072
 Ion Ratio Lower Upper
 53 100
 52 85.2 65.4 98.0
 51 52.9 27.6 41.4#





#13
Acetone
Concen: 2.404 ug/l
RT: 2.605 min Scan# 408
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

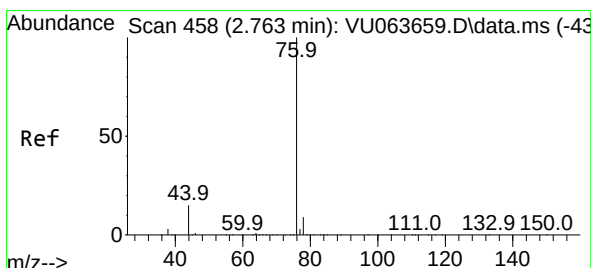
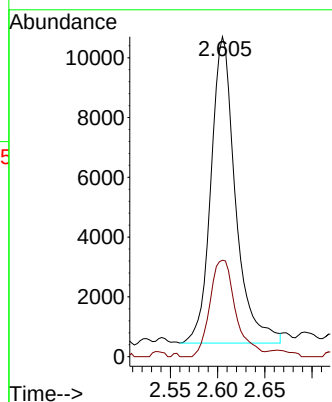
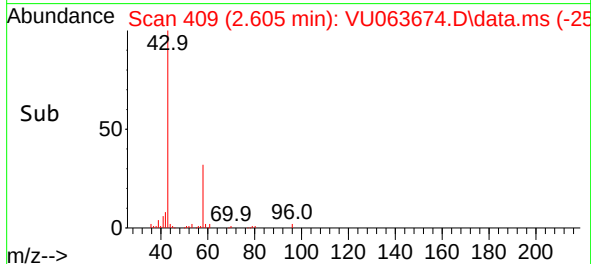
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 43 Resp: 18492
Ion Ratio Lower Upper
43 100
58 31.5 25.2 37.8

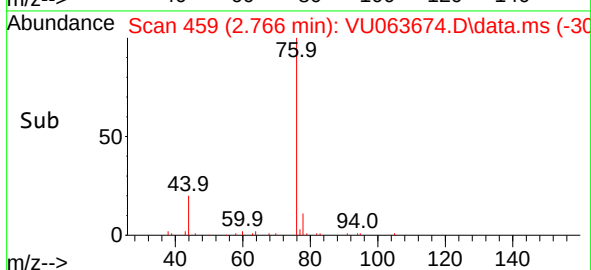
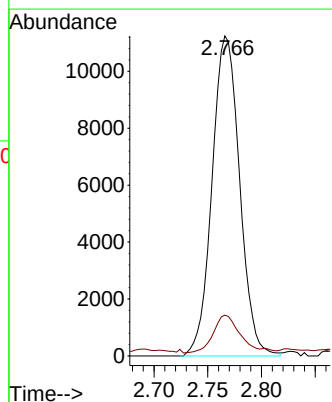
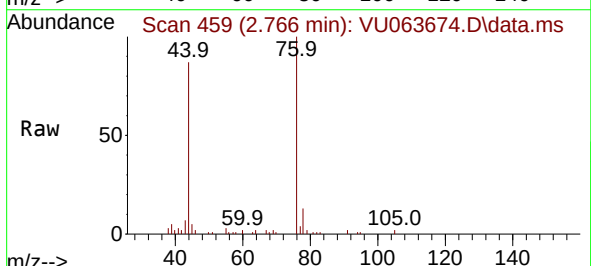
Manual Integrations
APPROVED

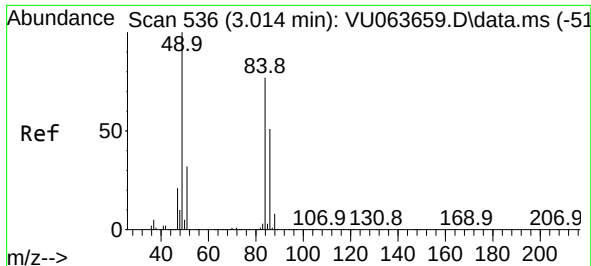
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#14
Carbon Disulfide
Concen: 0.404 ug/l
RT: 2.766 min Scan# 459
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

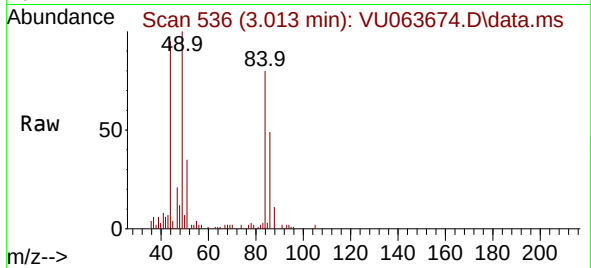
Tgt Ion: 76 Resp: 20054
Ion Ratio Lower Upper
76 100
78 11.0 7.5 11.3





#15
Methylene Chloride
Concen: 0.595 ug/l
RT: 3.013 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

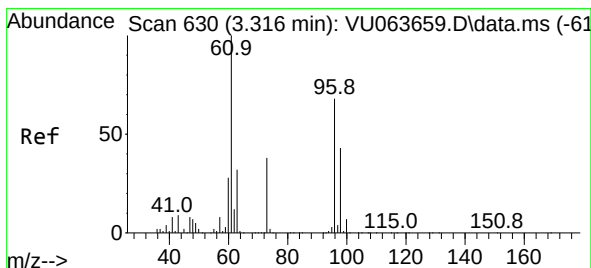
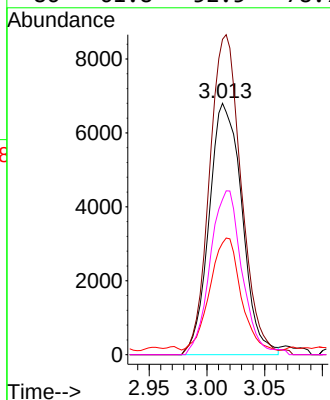
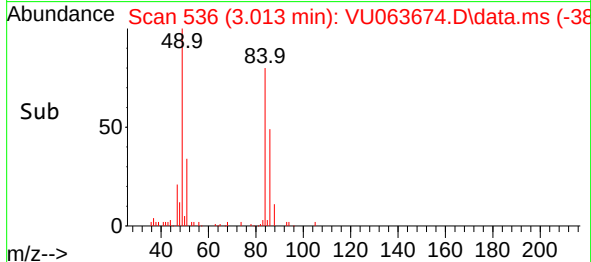
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:	84	Resp:	1345
Ion	Ratio	Lower	Upper
84	100		
49	125.5	103.4	155.0
51	42.7	0.0	81.6
86	61.8	52.5	78.7

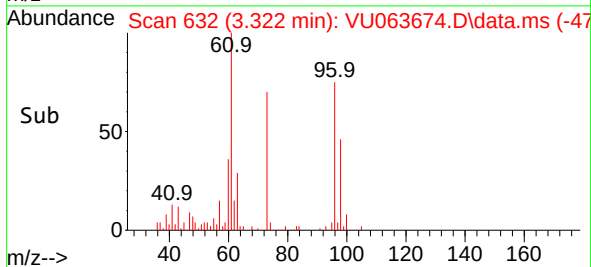
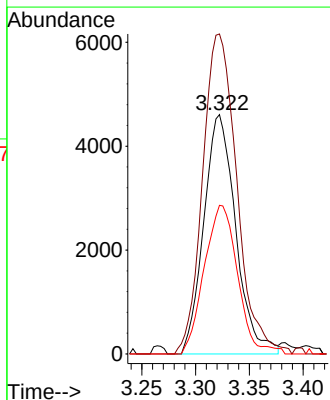
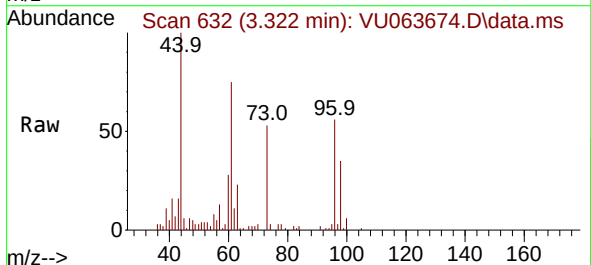
Manual Integrations
APPROVED

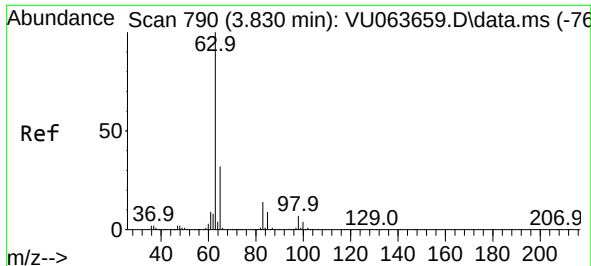
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#16
trans-1,2-Dichloroethene
Concen: 0.490 ug/l
RT: 3.322 min Scan# 632
Delta R.T. 0.006 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

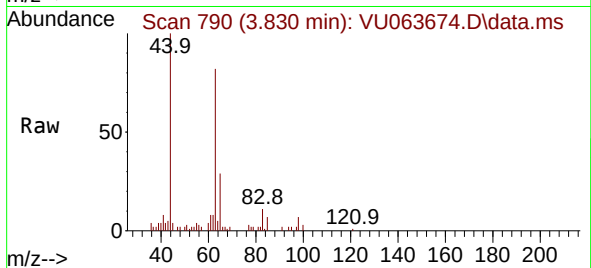
Tgt Ion:	96	Resp:	9522
Ion	Ratio	Lower	Upper
96	100		
61	131.3	117.4	176.2
98	62.1	49.9	74.9





#17
1,1-Dichloroethane
Concen: 0.473 ug/l
RT: 3.830 min Scan# 790
Delta R.T. -0.000 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

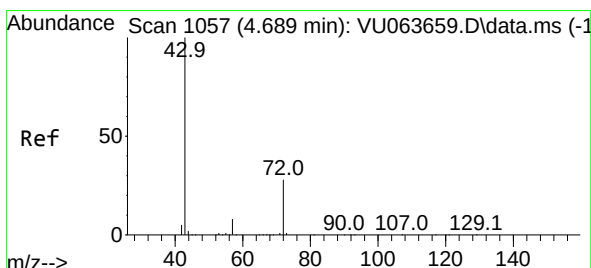
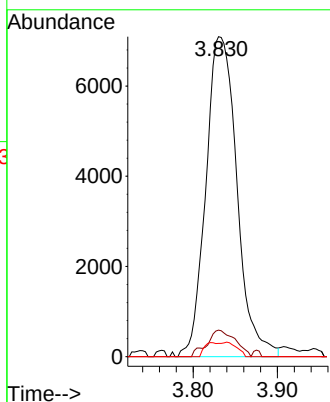
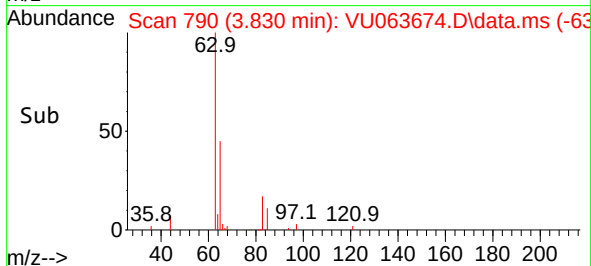
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 63 Resp: 1817
Ion Ratio Lower Upper
63 100
98 8.3 3.5 10.5
100 4.1 2.2 6.6

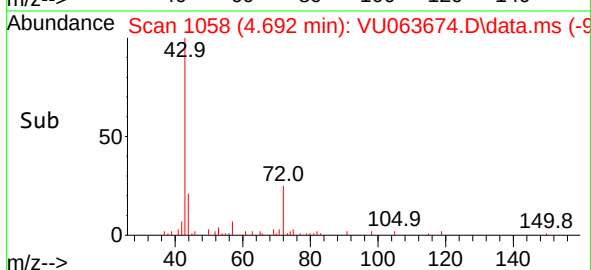
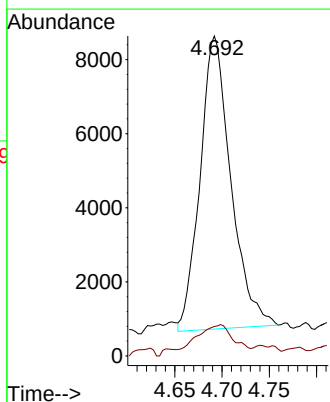
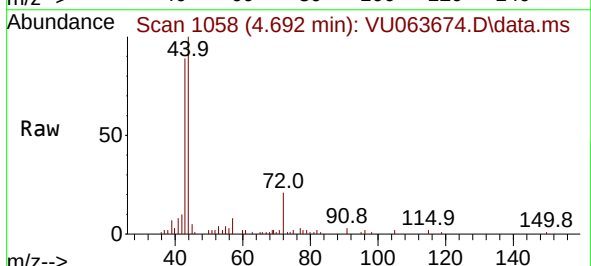
Manual Integrations
APPROVED

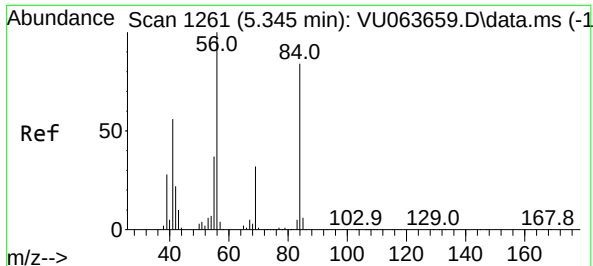
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#18
2-Butanone
Concen: 2.197 ug/l
RT: 4.692 min Scan# 1058
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

Tgt Ion: 43 Resp: 17923
Ion Ratio Lower Upper
43 100
57 8.0 0.0 16.6





#19

Cyclohexane

Concen: 0.421 ug/l

RT: 5.345 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VU063674.D

Acq: 05 Nov 2025 16:01

Instrument :

MSVOA_U

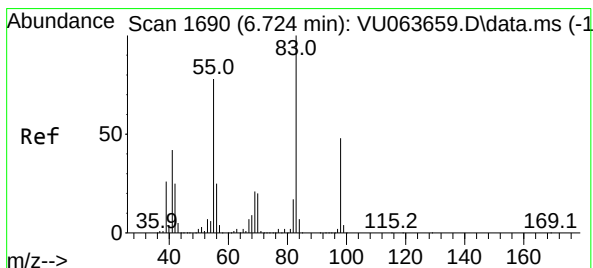
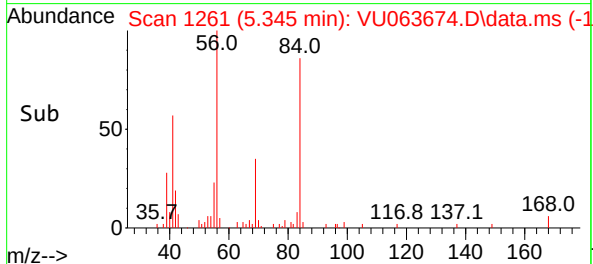
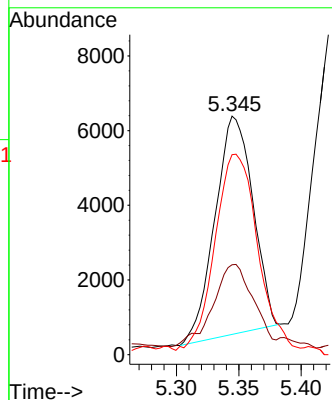
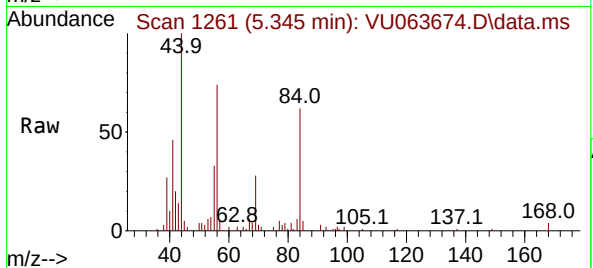
ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion:	56	Resp:	1238
Ion Ratio	Lower	Upper	
56	100		
69	36.3	27.1	40.7
84	99.0	73.4	110.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#20

Methylcyclohexane

Concen: 0.446 ug/l

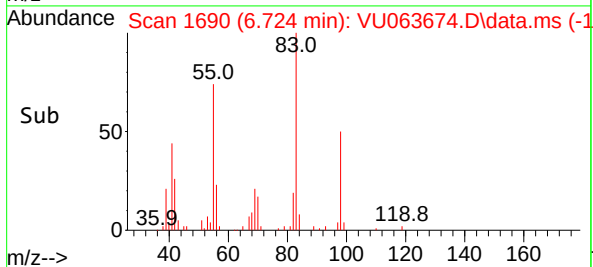
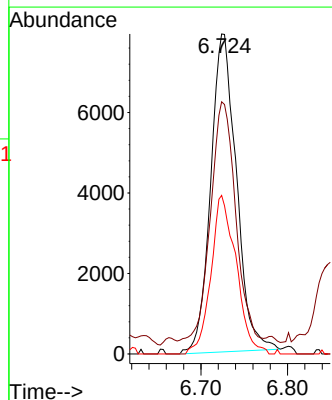
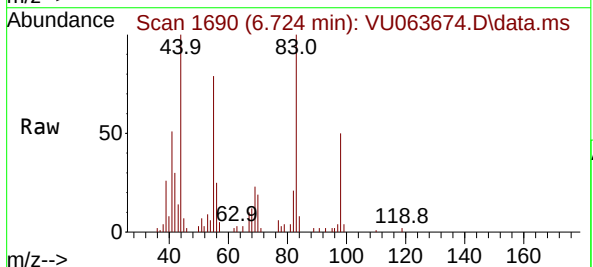
RT: 6.724 min Scan# 1690

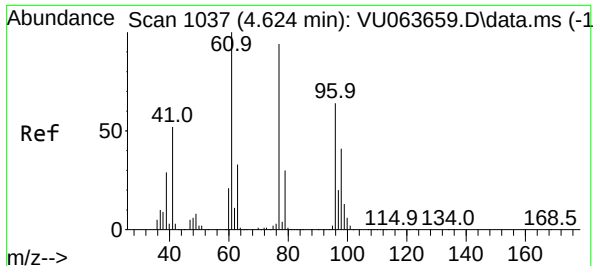
Delta R.T. -0.000 min

Lab File: VU063674.D

Acq: 05 Nov 2025 16:01

Tgt Ion:	83	Resp:	16333
Ion Ratio	Lower	Upper	
83	100		
55	70.3	61.5	92.3
98	48.8	37.9	56.9





#21

2,2-Dichloropropane

Concen: 0.430 ug/l

RT: 4.624 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VU063674.D

Acq: 05 Nov 2025 16:01

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion: 77 Resp: 1484

Ion Ratio Lower Upper

77 100

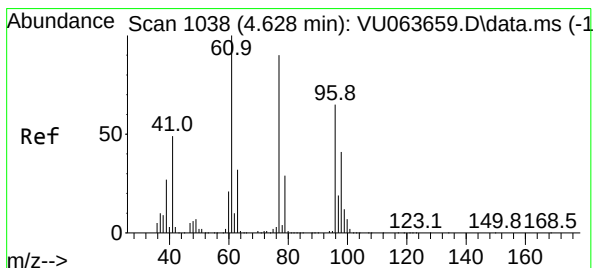
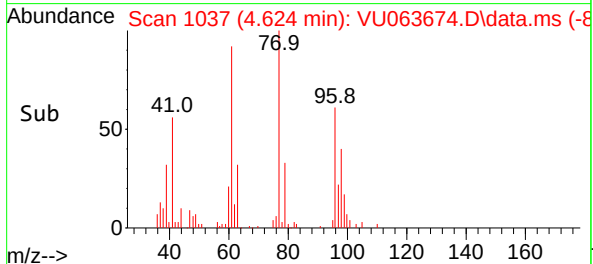
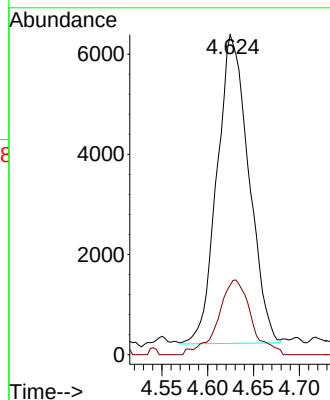
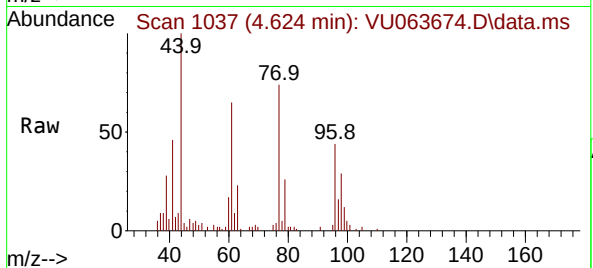
97 25.1 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#22

cis-1,2-Dichloroethene

Concen: 0.471 ug/l

RT: 4.631 min Scan# 1039

Delta R.T. 0.003 min

Lab File: VU063674.D

Acq: 05 Nov 2025 16:01

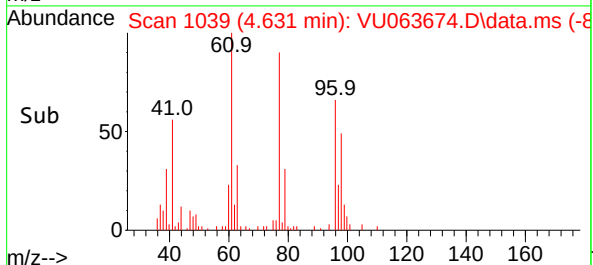
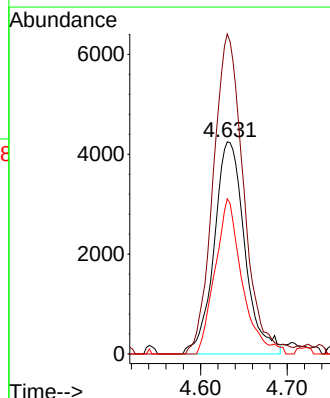
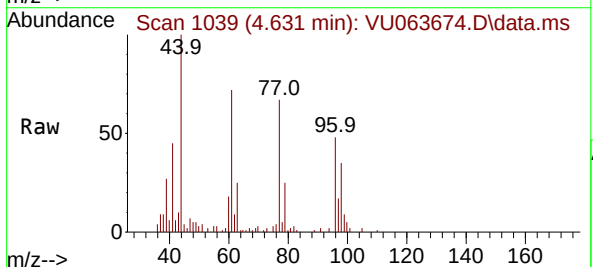
Tgt Ion: 96 Resp: 10421

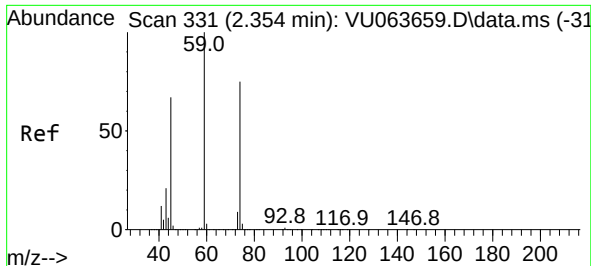
Ion Ratio Lower Upper

96 100

61 150.2 0.0 385.0

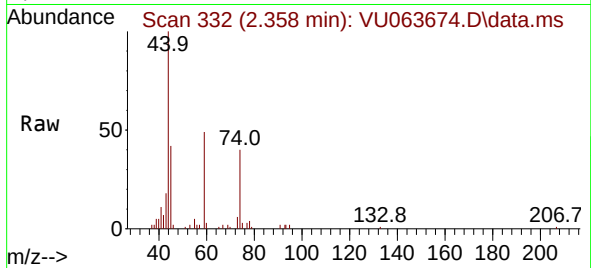
98 64.5 31.3 93.9





#23
Diethyl Ether
Concen: 0.431 ug/l
RT: 2.358 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

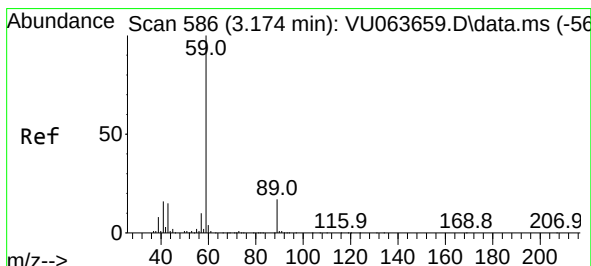
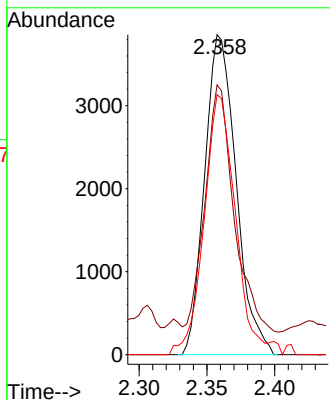
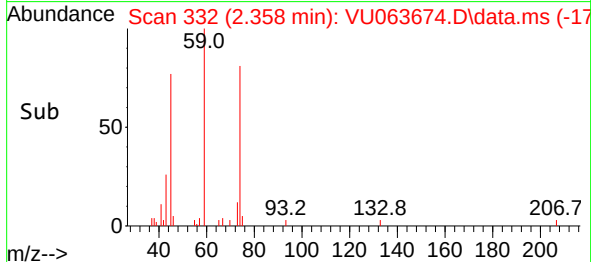
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2025



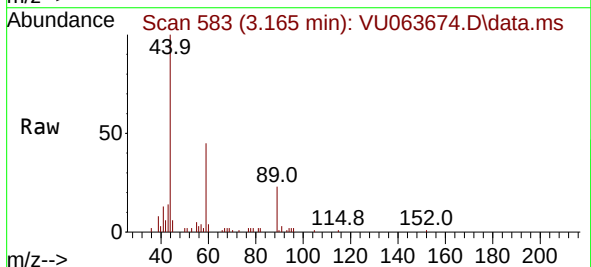
Tgt Ion: 59 Resp: 6220
Ion Ratio Lower Upper
59 100
45 70.9 52.6 78.8
74 81.3 59.4 89.2

Manual Integrations
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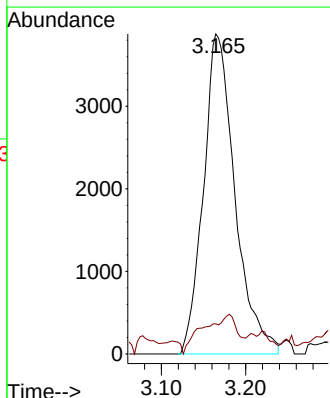
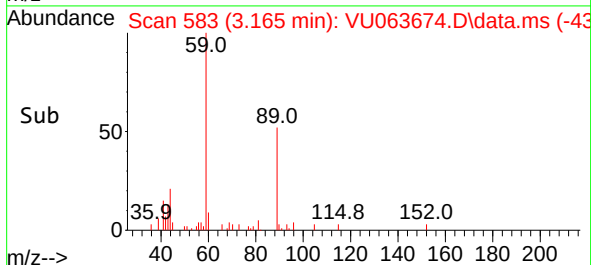
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

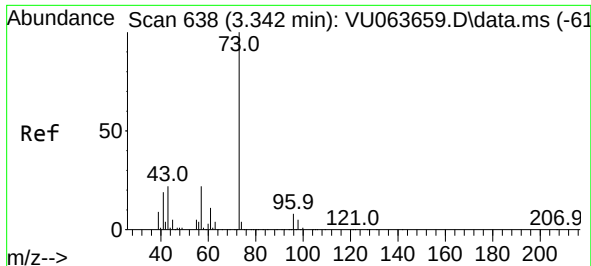


#24
tert-Butyl Alcohol
Concen: 4.055 ug/l
RT: 3.165 min Scan# 583
Delta R.T. -0.010 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01



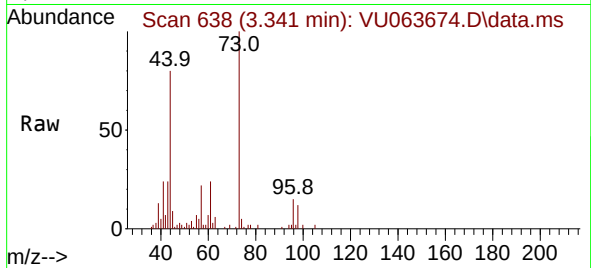
Tgt Ion: 59 Resp: 10082
Ion Ratio Lower Upper
59 100
57 13.6 7.2 10.8#





#25
Methyl tert-Butyl Ether
Concen: 0.468 ug/l
RT: 3.341 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

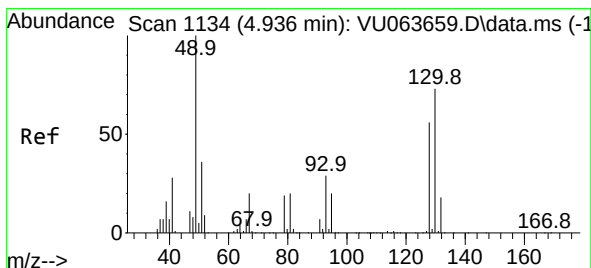
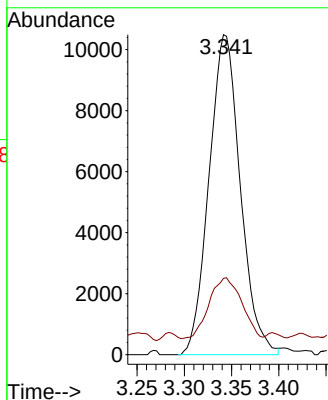
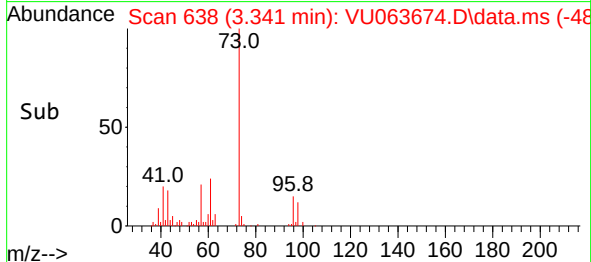
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 73 Resp: 2414
Ion Ratio Lower Upper
73 100
43 21.0 17.4 26.0

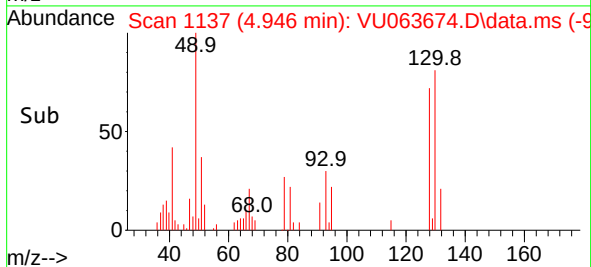
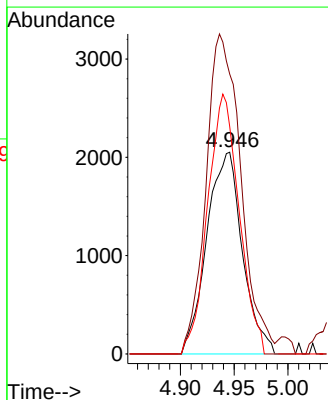
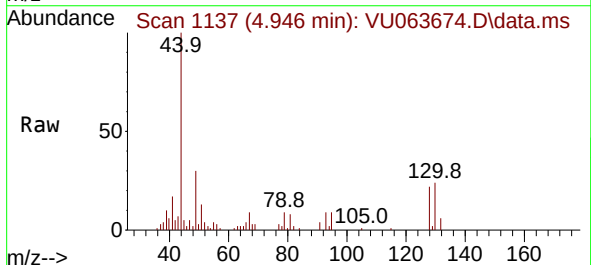
Manual Integrations
APPROVED

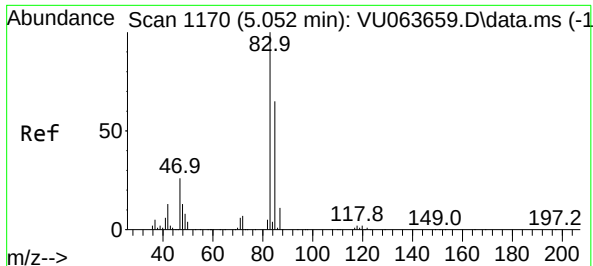
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#26
Bromochloromethane
Concen: 0.506 ug/l
RT: 4.946 min Scan# 1137
Delta R.T. 0.010 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

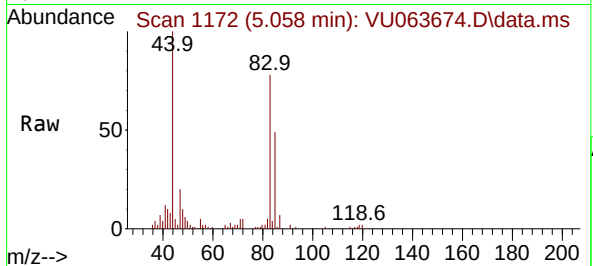
Tgt Ion:128 Resp: 4718
Ion Ratio Lower Upper
128 100
49 155.4 0.0 349.6
130 114.2 102.7 154.1





#27
Chloroform
Concen: 0.486 ug/l
RT: 5.058 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

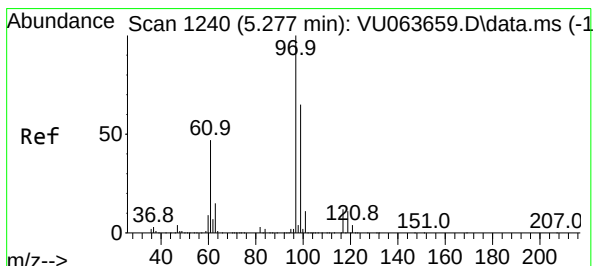
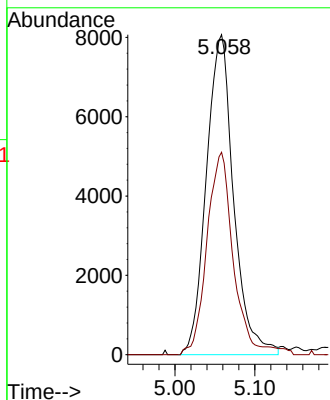
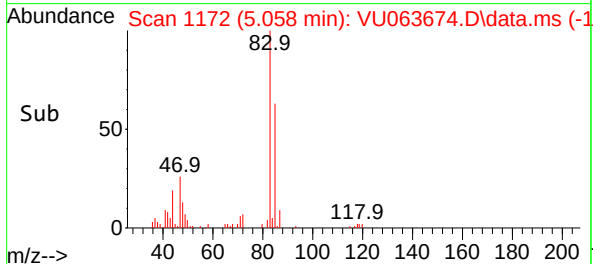
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 83 Resp: 19120
Ion Ratio Lower Upper
83 100
85 63.2 0.0 130.8

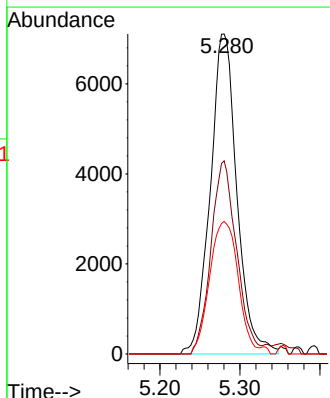
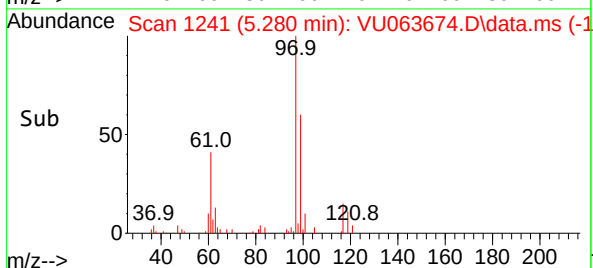
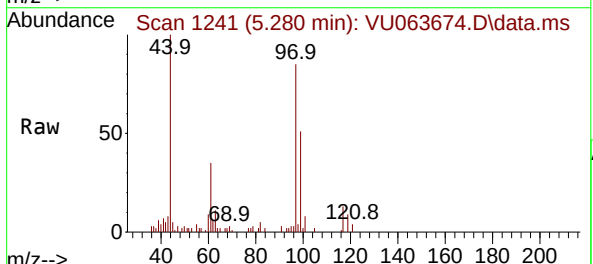
Manual Integrations
APPROVED

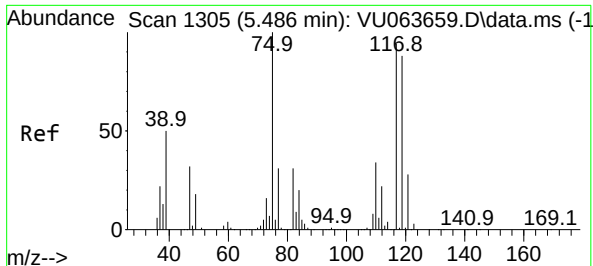
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#28
1,1,1-Trichloroethane
Concen: 0.473 ug/l
RT: 5.280 min Scan# 1241
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

Tgt Ion: 97 Resp: 16426
Ion Ratio Lower Upper
97 100
99 58.1 32.3 96.8
61 44.3 23.3 69.8





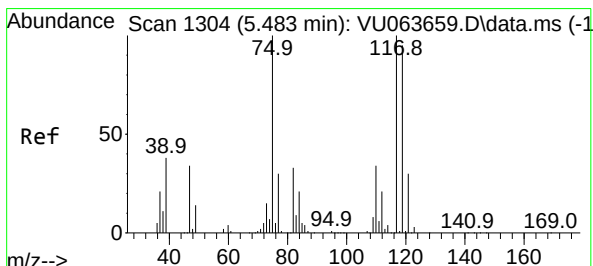
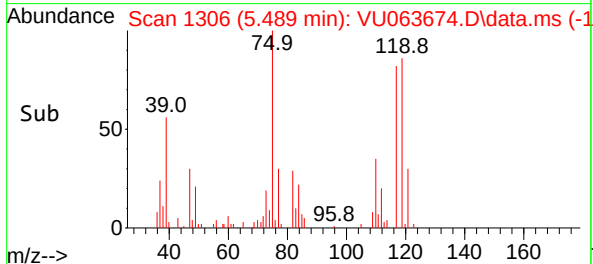
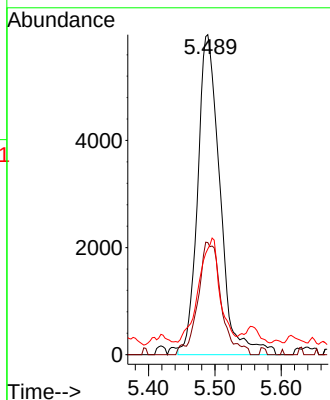
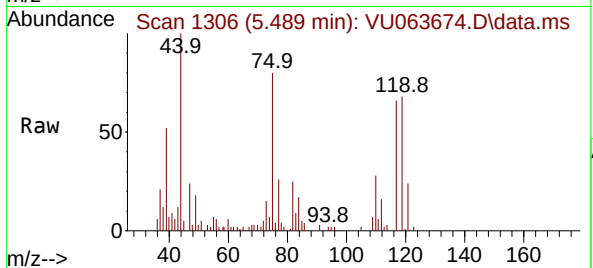
#29
1,1-Dichloropropene
Concen: 0.480 ug/l
RT: 5.489 min Scan# 1306
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2025

Tgt Ion: 75 Resp: 1399
Ion Ratio Lower Upper
75 100
110 35.3 17.2 51.5
77 30.5 24.5 36.7

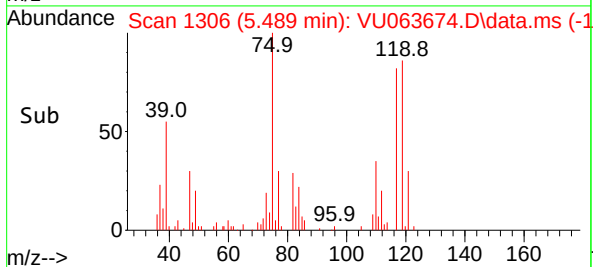
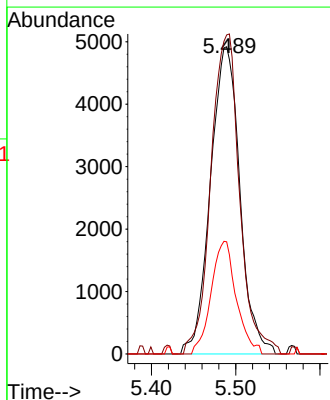
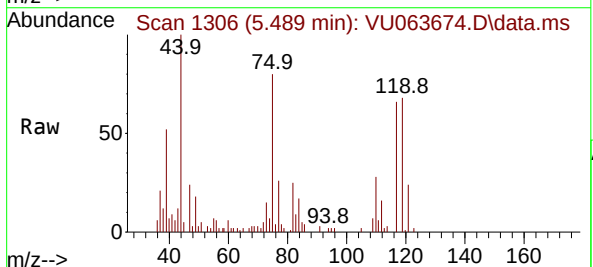
Manual Integrations
APPROVED

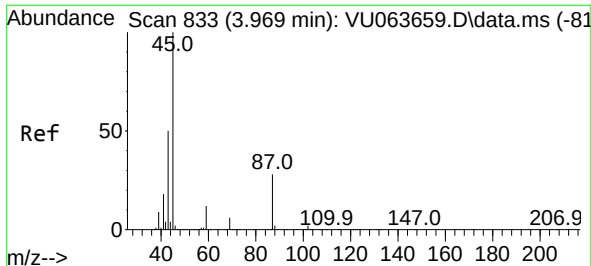
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#30
Carbon Tetrachloride
Concen: 0.434 ug/l
RT: 5.489 min Scan# 1306
Delta R.T. 0.006 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

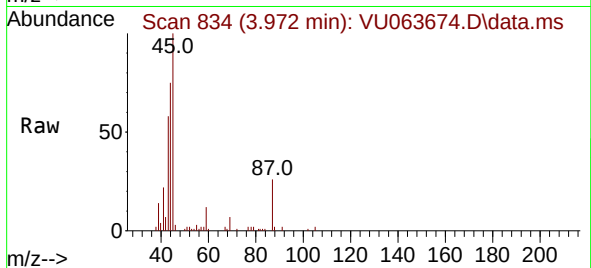
Tgt Ion:117 Resp: 11933
Ion Ratio Lower Upper
117 100
119 103.8 75.7 113.5
121 36.5 23.8 35.6#





#31
Isopropyl Ether
Concen: 0.455 ug/l
RT: 3.972 min Scan# 811
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

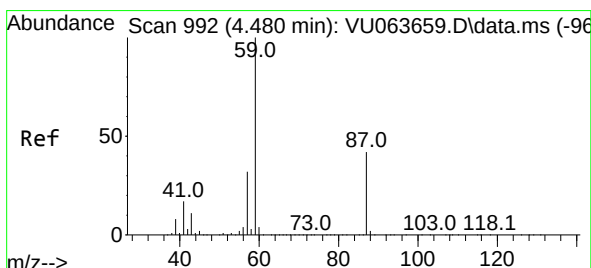
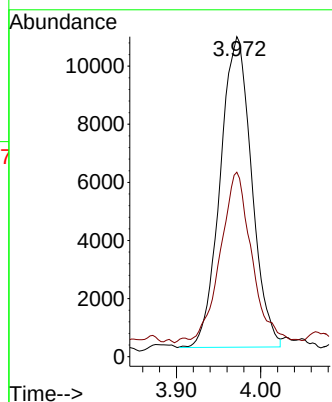
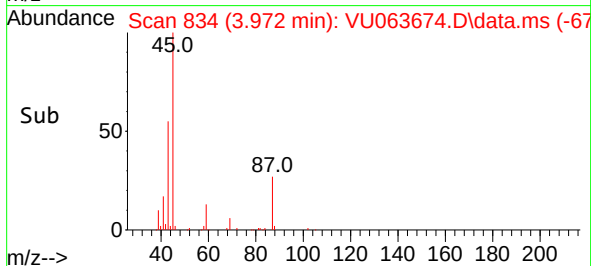
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 45 Resp: 2771
Ion Ratio Lower Upper
45 100
43 52.7 25.3 75.9

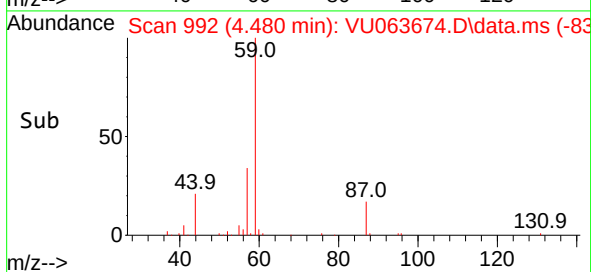
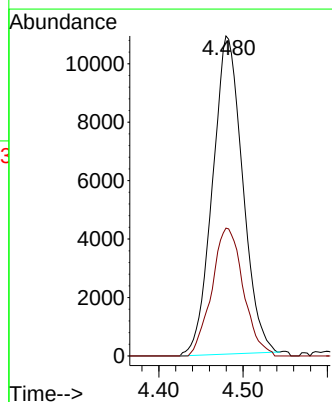
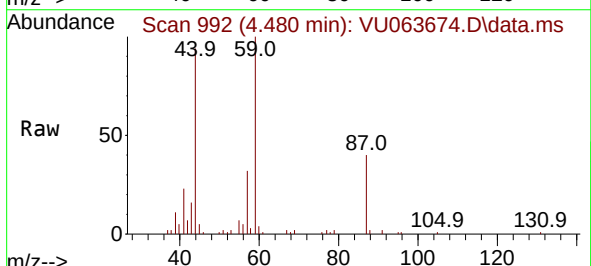
Manual Integrations
APPROVED

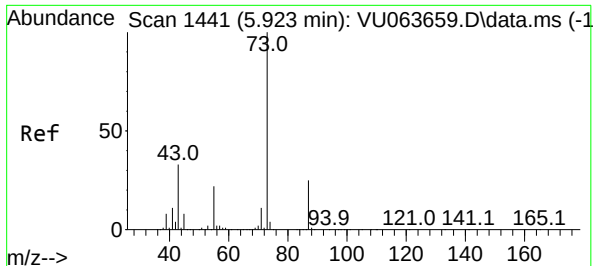
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#32
Ethyl-t-butyl ether
Concen: 0.460 ug/l
RT: 4.480 min Scan# 992
Delta R.T. -0.000 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

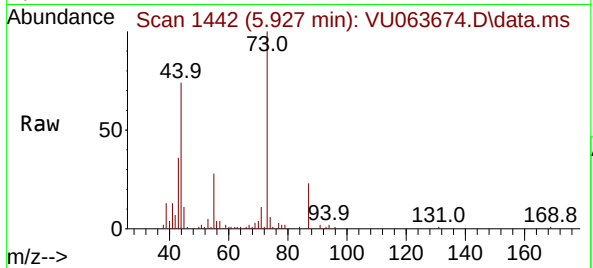
Tgt Ion: 59 Resp: 26993
Ion Ratio Lower Upper
59 100
87 42.0 33.0 49.6





#33
Tert-Amyl methyl ether
Concen: 0.466 ug/l
RT: 5.927 min Scan# 1441
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

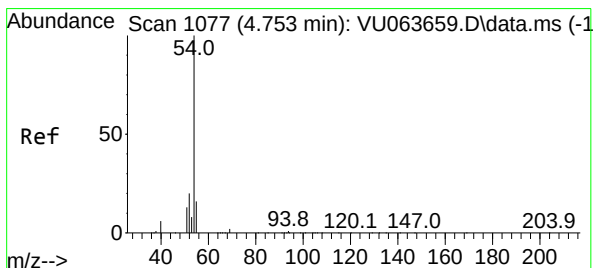
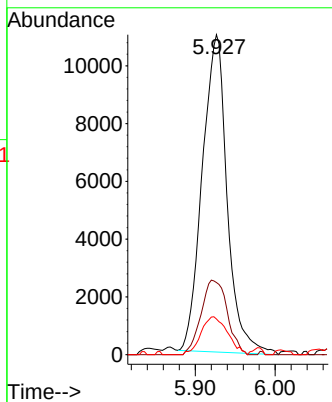
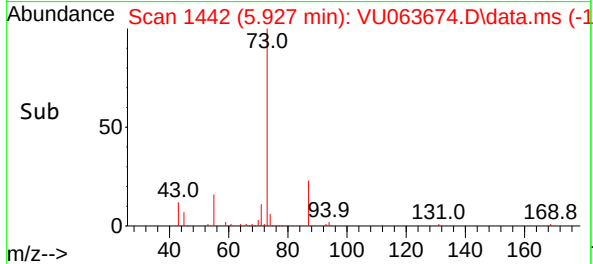
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 73 Resp: 23800
Ion Ratio Lower Upper
73 100
87 24.7 20.0 30.0
71 12.7 9.0 13.4

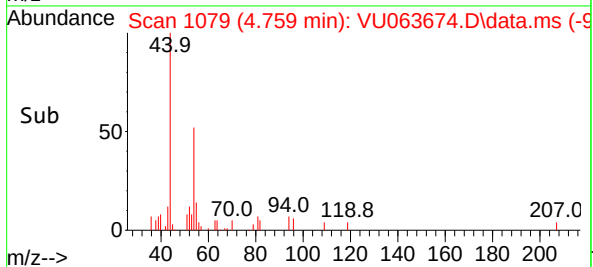
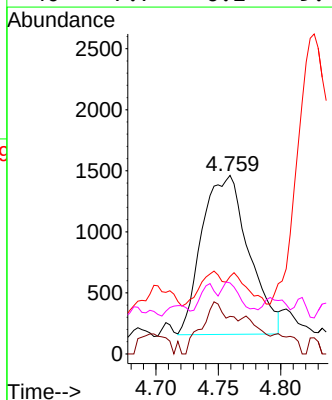
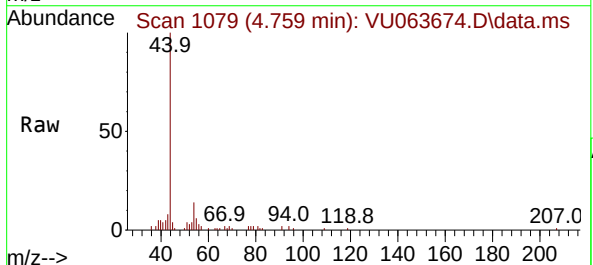
Manual Integrations
APPROVED

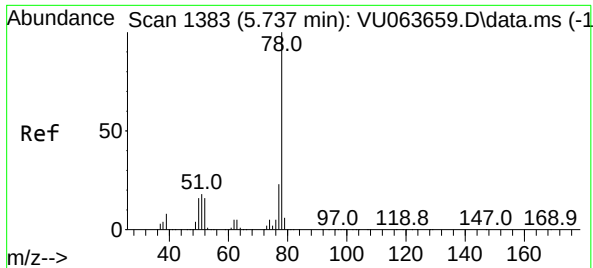
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#34
Propionitrile
Concen: 2.136 ug/l
RT: 4.759 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

Tgt Ion: 54 Resp: 3405
Ion Ratio Lower Upper
54 100
52 0.0 15.8 23.6#
55 0.0 11.3 16.9#
40 7.7 6.2 9.4





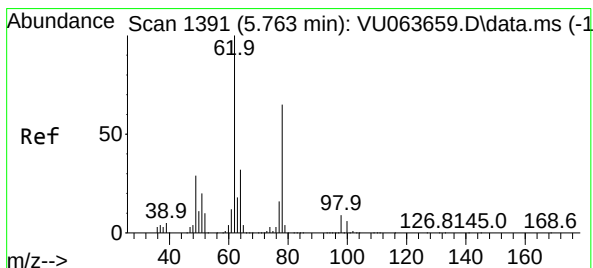
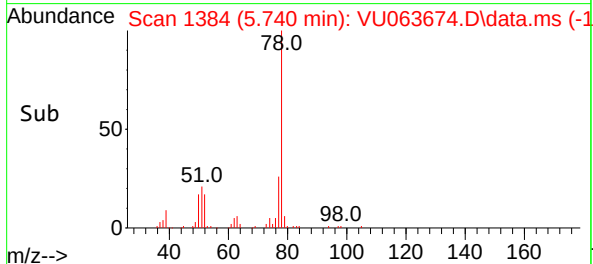
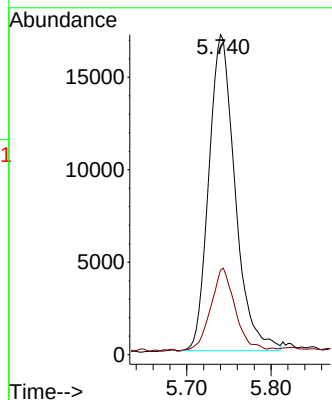
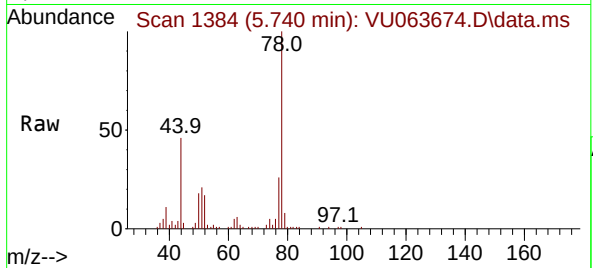
#35
Benzene
Concen: 0.451 ug/l
RT: 5.740 min Scan# 1384
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2025

Tgt Ion: 78 Resp: 36990
Ion Ratio Lower Upper
78 100
77 25.6 18.3 27.5

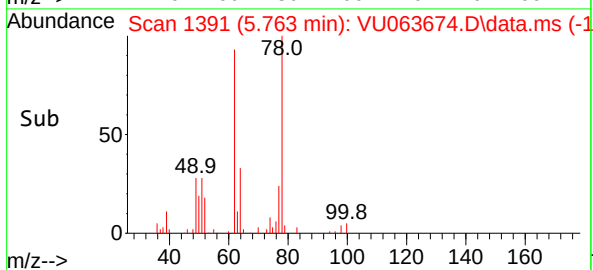
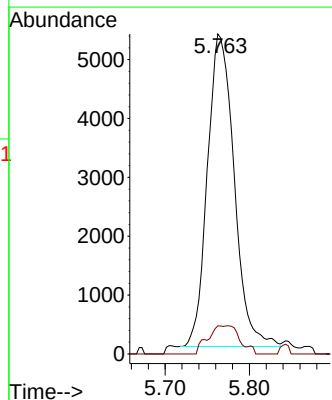
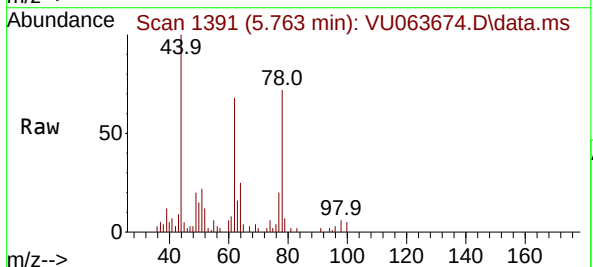
Manual Integrations
APPROVED

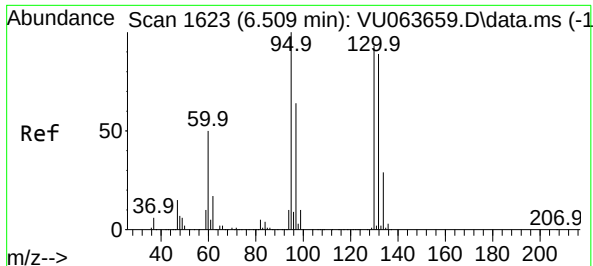
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#36
1,2-Dichloroethane
Concen: 0.444 ug/l
RT: 5.763 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

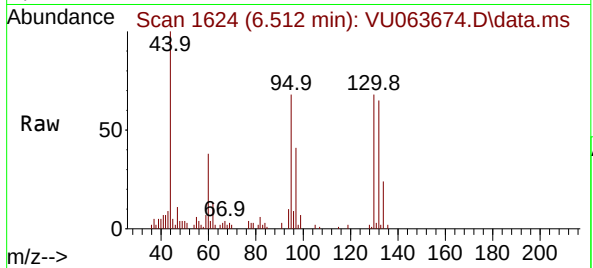
Tgt Ion: 62 Resp: 11705
Ion Ratio Lower Upper
62 100
98 5.5 6.8 10.2#





#37
Trichloroethene
Concen: 0.449 ug/l
RT: 6.512 min Scan# 1623
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

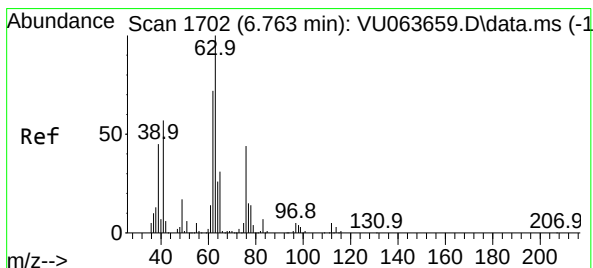
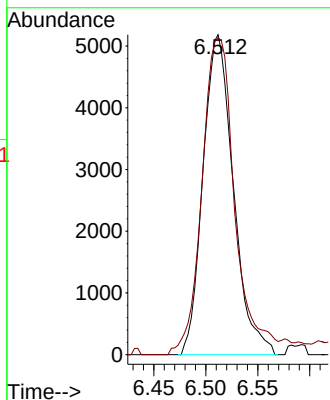
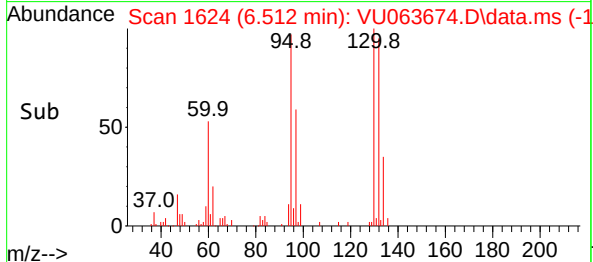
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



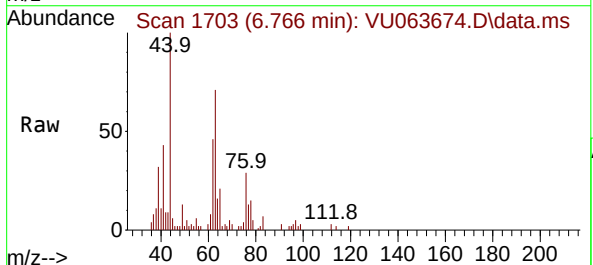
Tgt Ion: 130 Resp: 1050
Ion Ratio Lower Upper
130 100
95 96.2 86.0 129.0

Manual Integrations
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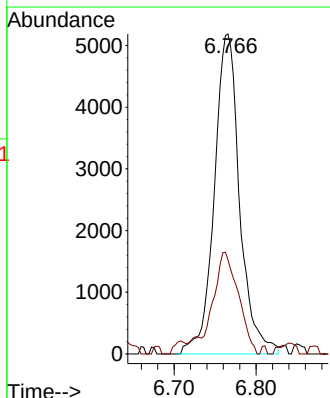
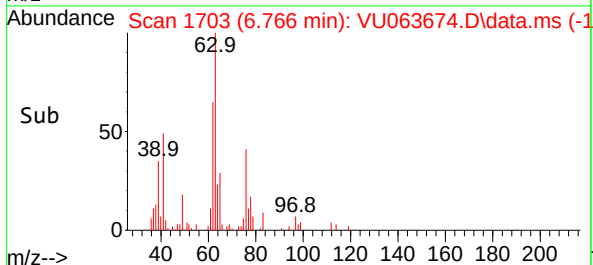
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

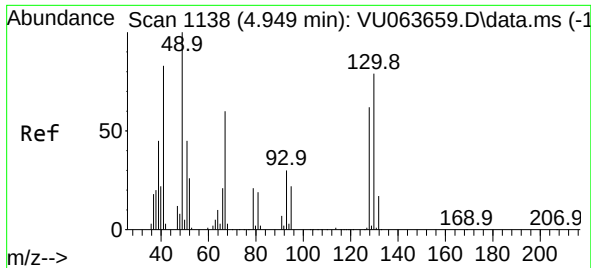


#38
1,2-Dichloropropane
Concen: 0.485 ug/l
RT: 6.766 min Scan# 1703
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01



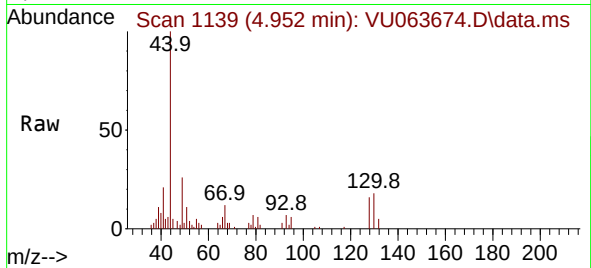
Tgt Ion: 63 Resp: 11156
Ion Ratio Lower Upper
63 100
65 27.3 24.5 36.7





#39
Methacrylonitrile
Concen: 0.407 ug/l
RT: 4.952 min Scan# 1138
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

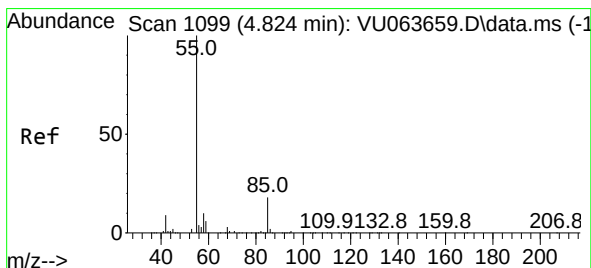
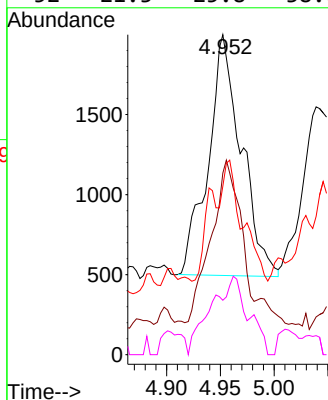
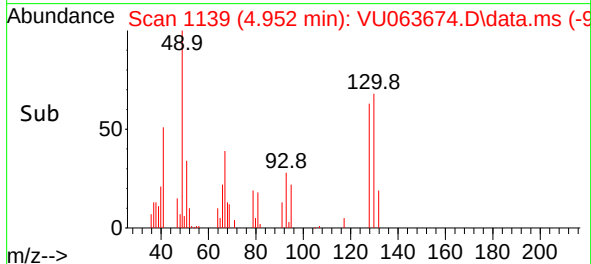
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



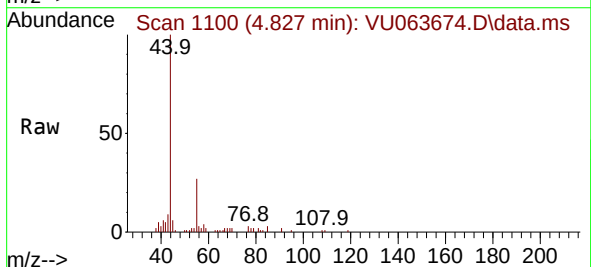
Tgt Ion	Ratio	Lower	Upper
41	100		
67	61.0	61.4	92.2
39	32.8	46.5	69.7
52	21.3	25.8	38.6

Manual Integrations
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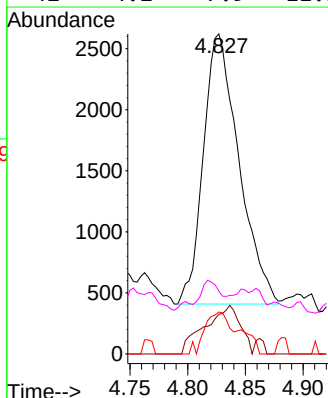
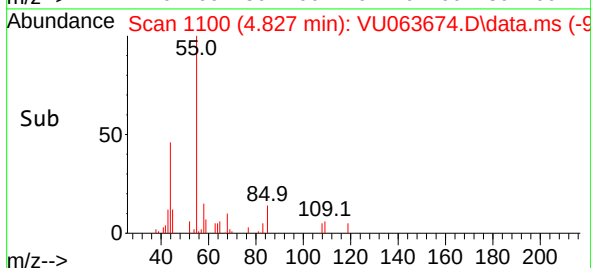
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

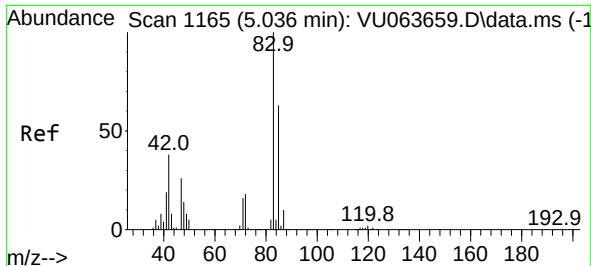


#40
Methyl acrylate
Concen: 0.412 ug/l
RT: 4.827 min Scan# 1100
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01



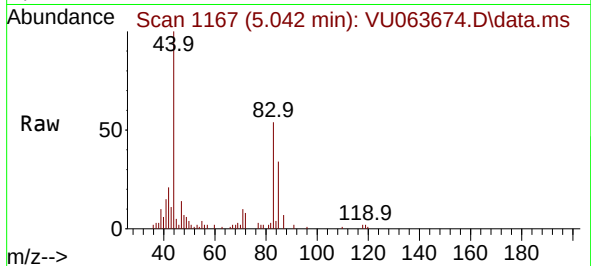
Tgt Ion	Ratio	Lower	Upper
55	100		
85	17.7	15.3	22.9
58	14.8	7.7	11.5
42	4.2	7.9	11.9





#41
Tetrahydrofuran
Concen: 1.024 ug/l
RT: 5.042 min Scan# 1165
Delta R.T. 0.006 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

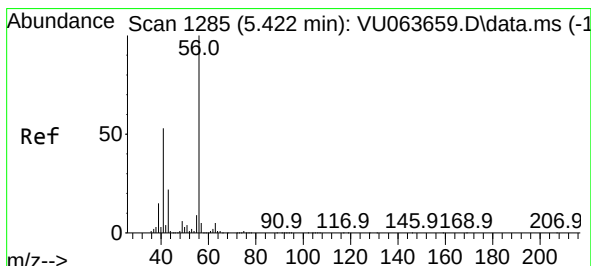
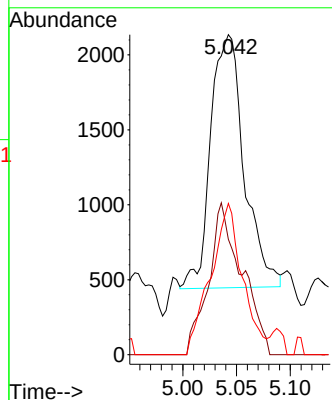
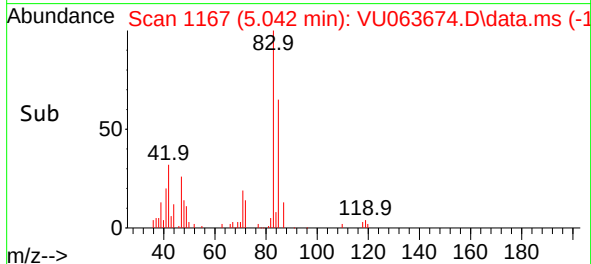
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



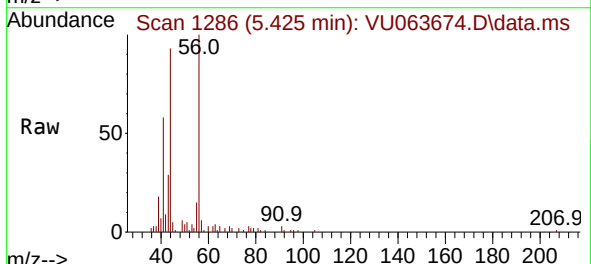
Tgt Ion: 42 Resp: 3650
Ion Ratio Lower Upper
42 100
72 59.4 40.5 60.7
71 56.9 35.0 52.6

Manual Integrations
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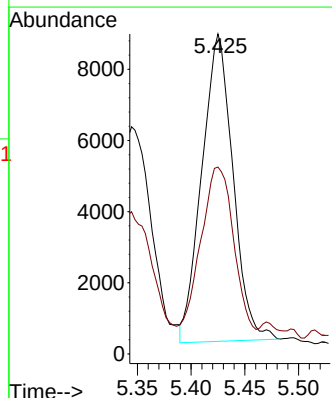
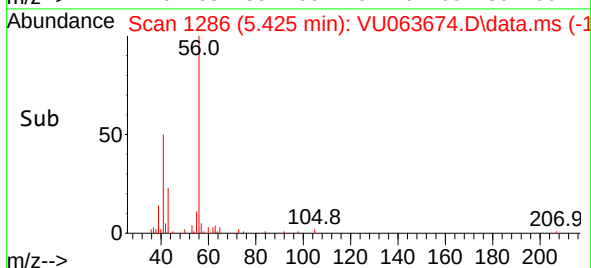
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

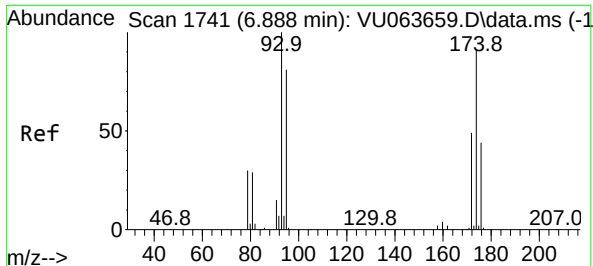


#42
1-Chlorobutane
Concen: 0.446 ug/l
RT: 5.425 min Scan# 1286
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01



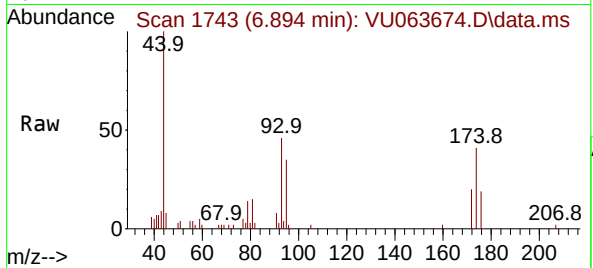
Tgt Ion: 56 Resp: 17413
Ion Ratio Lower Upper
56 100
41 56.6 25.9 77.6





#43
Dibromomethane
Concen: 0.445 ug/l
RT: 6.894 min Scan# 1743
Delta R.T. 0.006 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

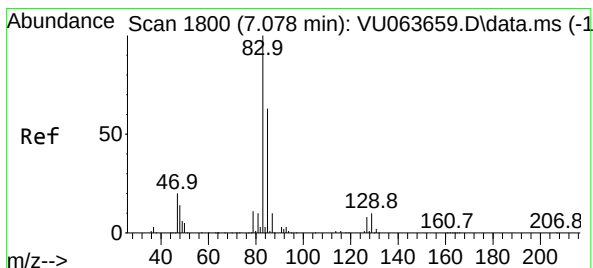
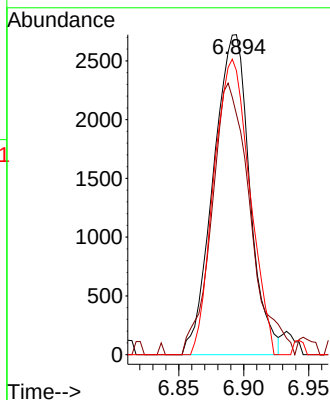
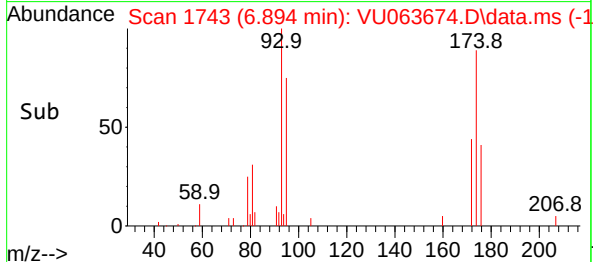
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



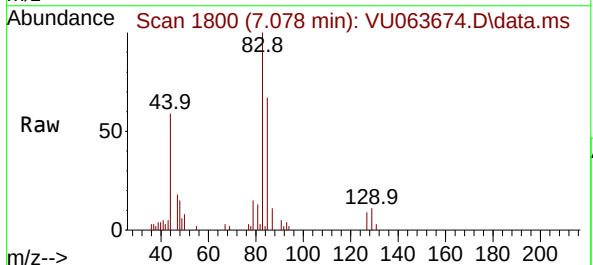
Tgt Ion: 93 Resp: 529
Ion Ratio Lower Upper
93 100
95 89.3 64.6 97.0
174 91.1 73.8 110.8

Manual Integrations
APPROVED

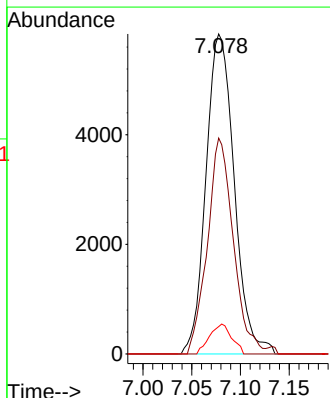
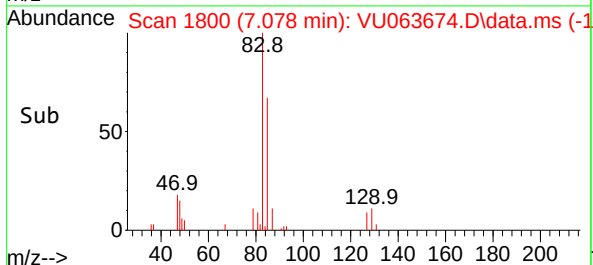
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

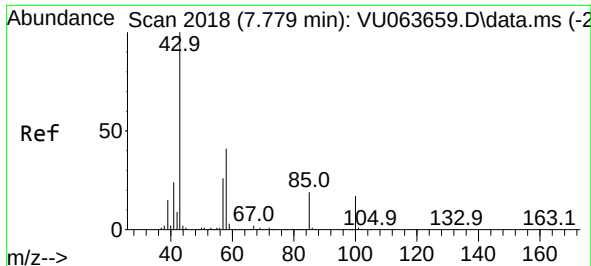


#44
Bromodichloromethane
Concen: 0.405 ug/l
RT: 7.078 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01



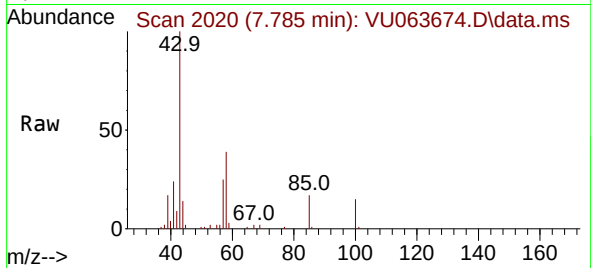
Tgt Ion: 83 Resp: 11777
Ion Ratio Lower Upper
83 100
85 67.5 50.5 75.7
127 8.6 6.4 9.6





#45
4-Methyl-2-Pentanone
Concen: 2.201 ug/l
RT: 7.785 min Scan# 2018
Delta R.T. 0.006 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

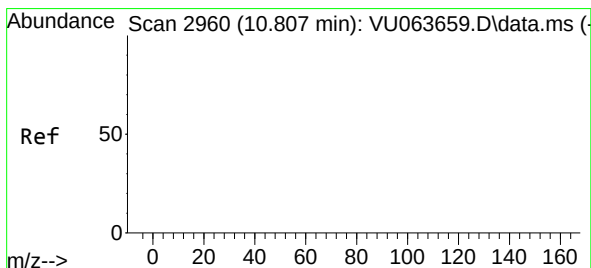
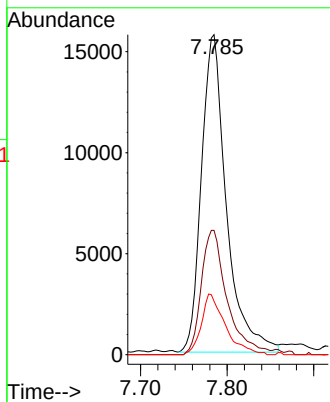
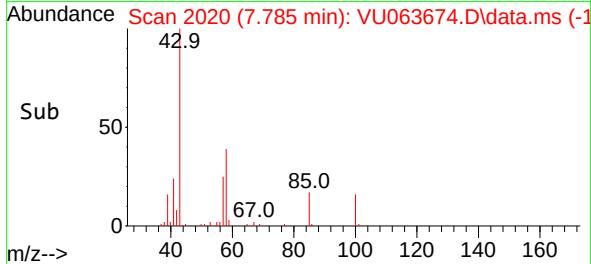
Instrument : MSVOA_U
Client Sample Id : VU063674.D
LOQ-WATER-02-QT4-2025



Tgt Ion: 43 Resp: 31549
Ion Ratio Lower Upper
43 100
58 40.2 20.2 60.5
85 18.3 15.0 22.6

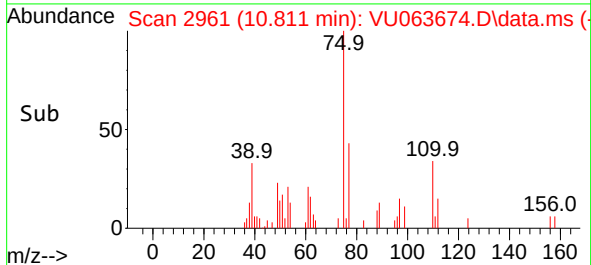
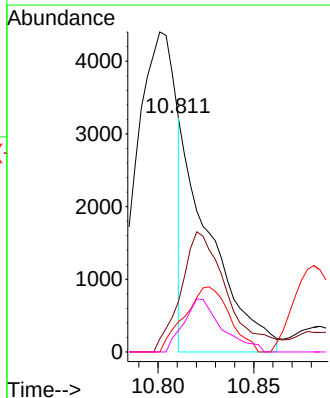
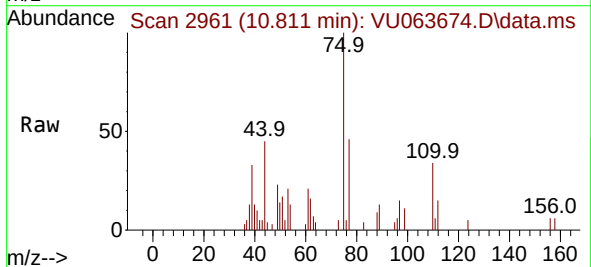
Manual Integrations
APPROVED

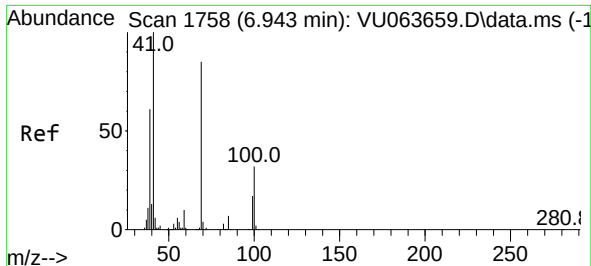
Reviewed By : John Carlone 11/12/2025
Supervised By : Mahesh Dadoda 11/12/2025



#46
t-1,4-Dichloro-2-butene
Concen: 0.681 ug/l m
RT: 10.811 min Scan# 2961
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

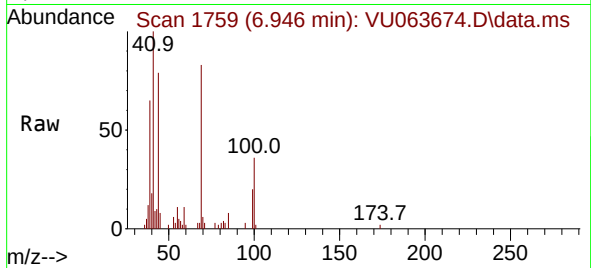
Tgt Ion: 75 Resp: 3388
Ion Ratio Lower Upper
75 100
53 82.6 57.2 85.8
89 43.0 37.9 56.9
88 29.8 30.1 45.1#





#47
Methyl methacrylate
Concen: 0.899 ug/l
RT: 6.946 min Scan# 1758
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

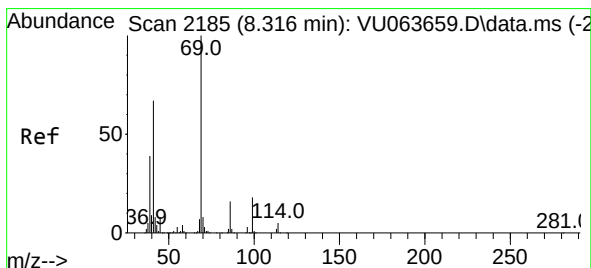
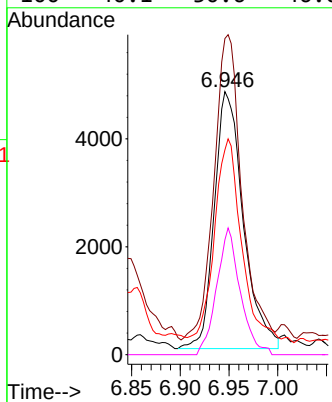
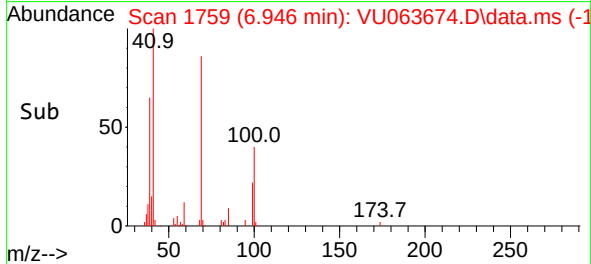
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



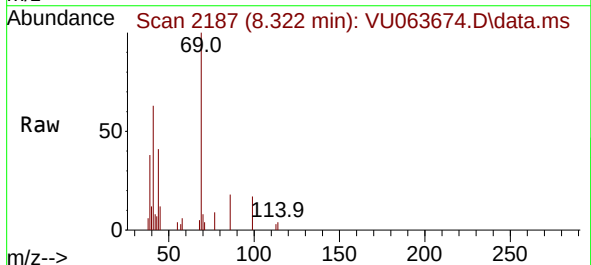
Tgt Ion: 69 Resp: 9830
Ion Ratio Lower Upper
69 100
41 113.5 0.0 228.2
39 70.5 56.2 84.4
100 40.1 30.6 46.0

Manual Integrations
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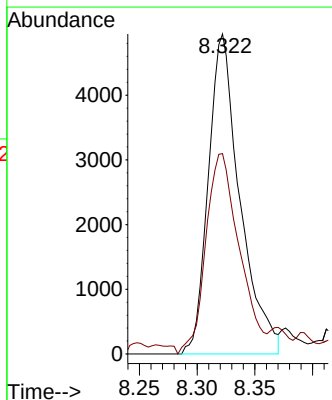
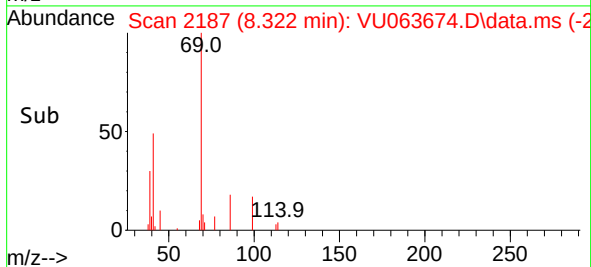
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

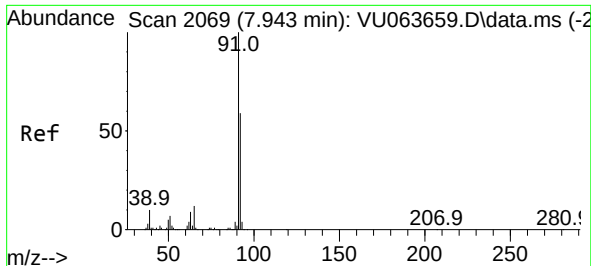


#48
Ethyl methacrylate
Concen: 0.423 ug/l
RT: 8.322 min Scan# 2187
Delta R.T. 0.006 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01



Tgt Ion: 69 Resp: 9416
Ion Ratio Lower Upper
69 100
41 66.6 32.8 98.3





#49

Toluene

Concen: 0.458 ug/l

RT: 7.946 min Scan# 2069

Delta R.T. 0.003 min

Lab File: VU063674.D

Acq: 05 Nov 2025 16:01

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion: 92 Resp: 2534

Ion Ratio Lower Upper

92 100

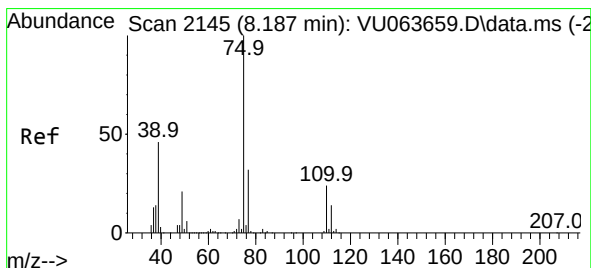
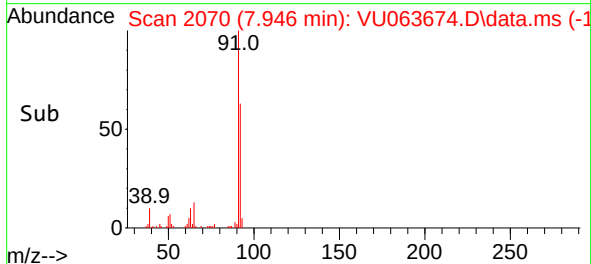
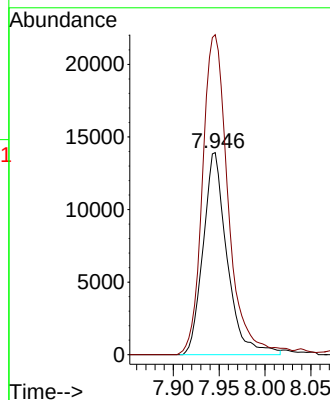
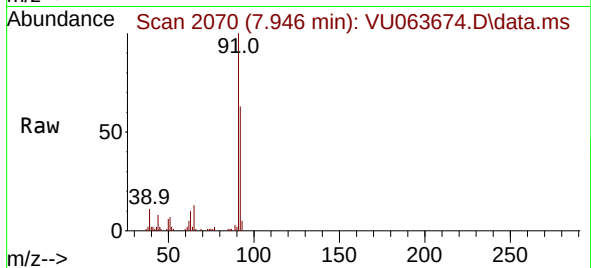
91 169.9 136.8 205.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#50

t-1,3-Dichloropropene

Concen: 0.380 ug/l

RT: 8.190 min Scan# 2146

Delta R.T. 0.003 min

Lab File: VU063674.D

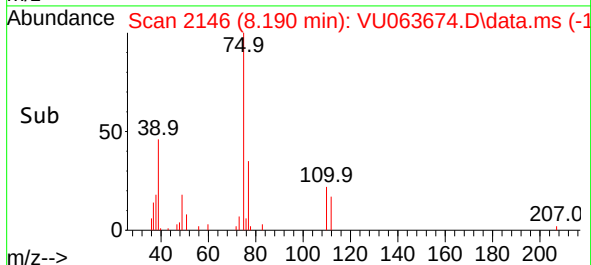
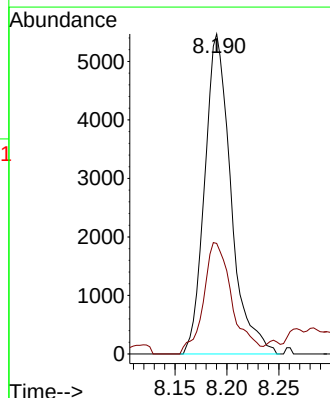
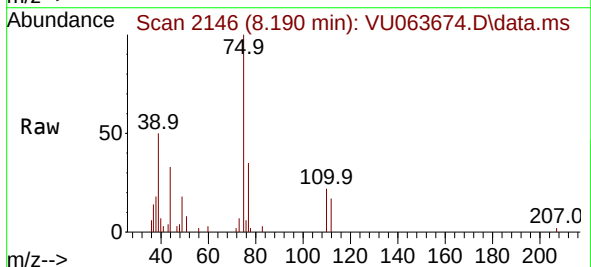
Acq: 05 Nov 2025 16:01

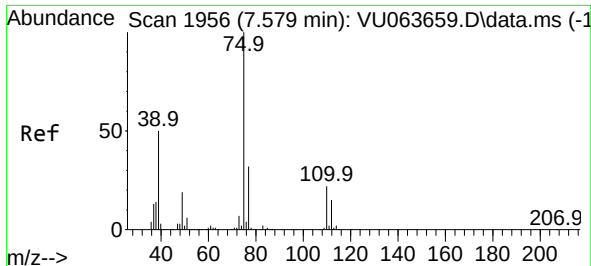
Tgt Ion: 75 Resp: 9603

Ion Ratio Lower Upper

75 100

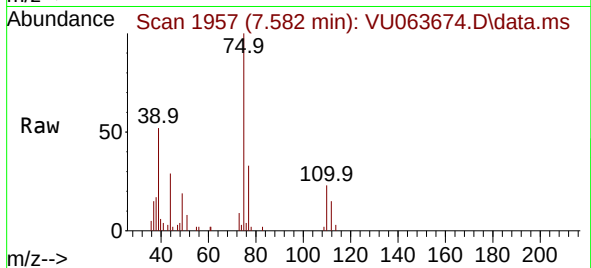
77 34.5 25.8 38.6





#51
 cis-1,3-Dichloropropene
 Concen: 0.398 ug/l
 RT: 7.582 min Scan# 1956
 Delta R.T. 0.003 min
 Lab File: VU063674.D
 Acq: 05 Nov 2025 16:01

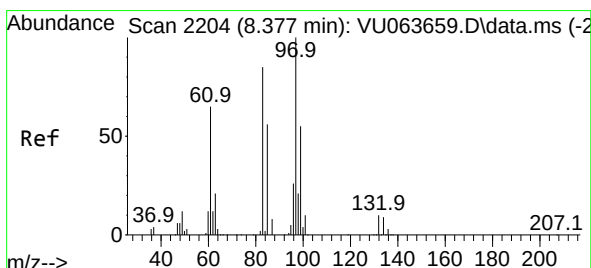
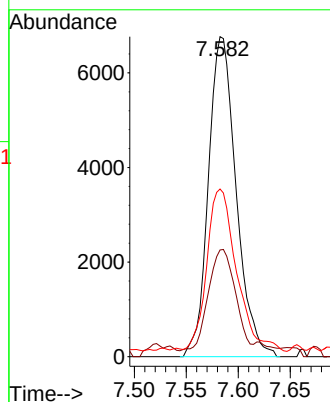
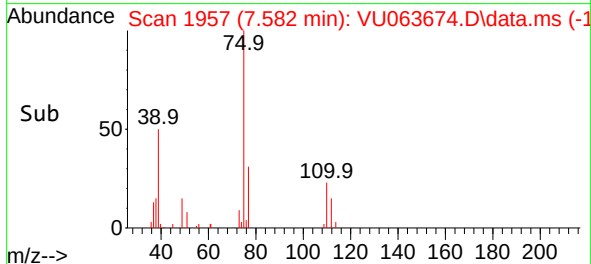
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2025



Tgt Ion: 75 Resp: 12574
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.5 38.3
 39 50.0 39.9 59.9

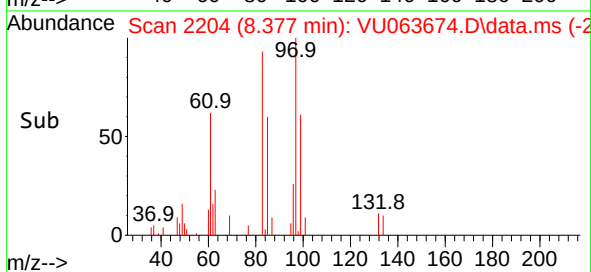
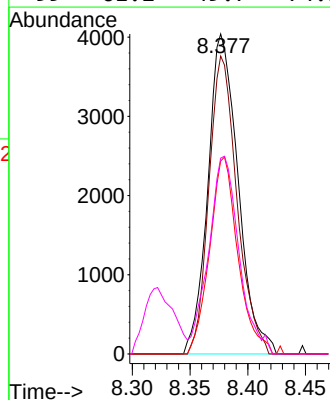
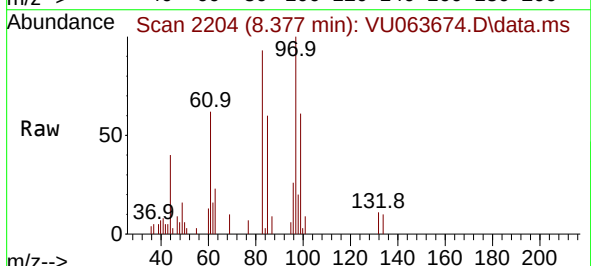
Manual Integrations
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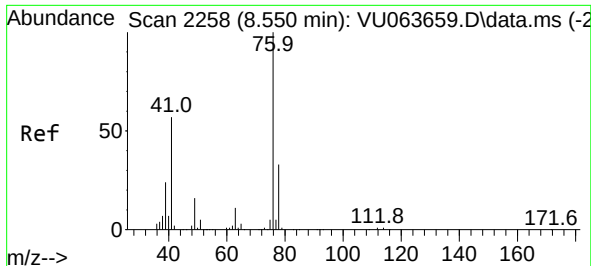
Reviewed By :John Carlone 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025



#52
 1,1,2-Trichloroethane
 Concen: 0.455 ug/l
 RT: 8.377 min Scan# 2204
 Delta R.T. -0.000 min
 Lab File: VU063674.D
 Acq: 05 Nov 2025 16:01

Tgt Ion: 97 Resp: 7350
 Ion Ratio Lower Upper
 97 100
 83 93.1 68.3 102.5
 85 60.3 45.3 67.9
 99 61.2 49.7 74.5





#53

1,3-Dichloropropane

Concen: 0.439 ug/l

RT: 8.553 min Scan# 2258

Delta R.T. 0.003 min

Lab File: VU063674.D

Acq: 05 Nov 2025 16:01

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion: 76 Resp: 12670

Ion Ratio Lower Upper

76 100

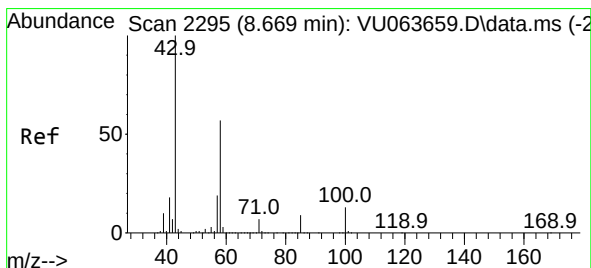
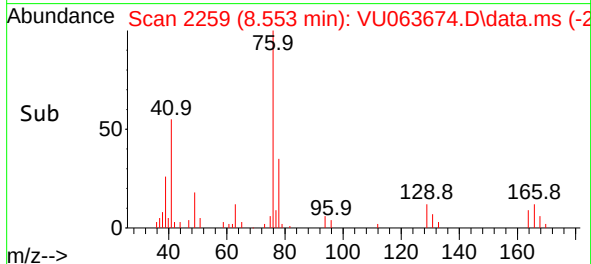
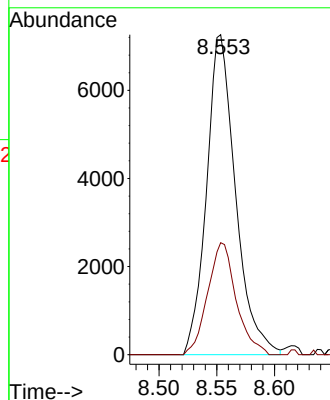
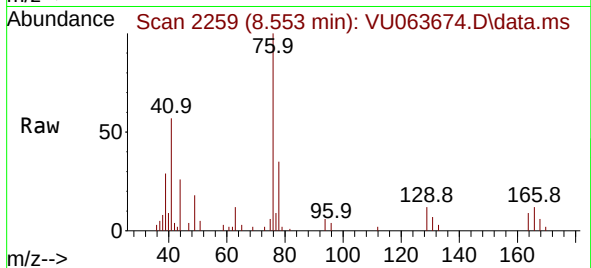
78 34.5 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#54

2-Hexanone

Concen: 2.155 ug/l

RT: 8.679 min Scan# 2298

Delta R.T. 0.009 min

Lab File: VU063674.D

Acq: 05 Nov 2025 16:01

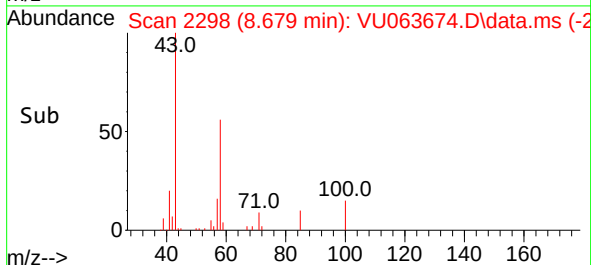
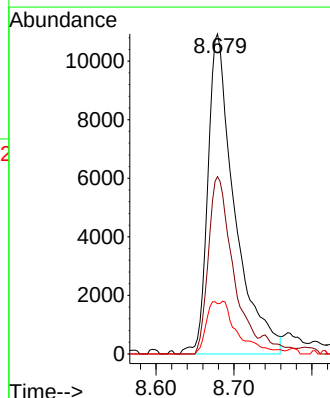
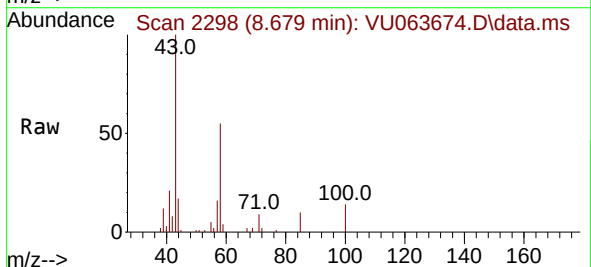
Tgt Ion: 43 Resp: 26080

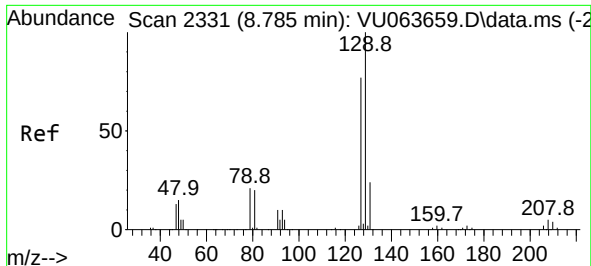
Ion Ratio Lower Upper

43 100

58 50.3 36.3 76.3

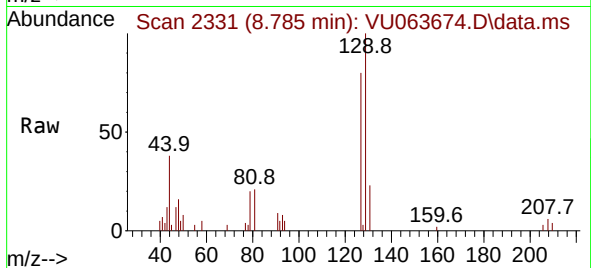
57 7.3 0.0 39.7





#55
Dibromochloromethane
Concen: 0.379 ug/l
RT: 8.785 min Scan# 2331
Delta R.T. -0.000 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

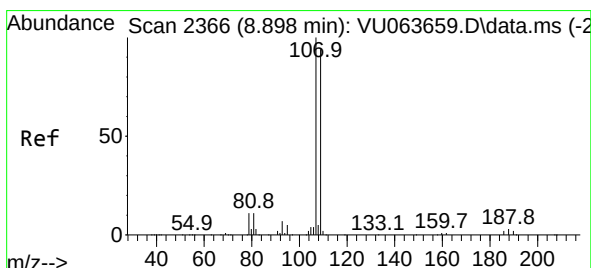
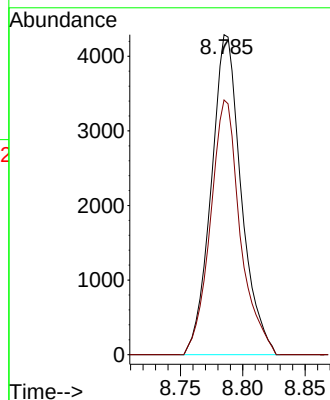
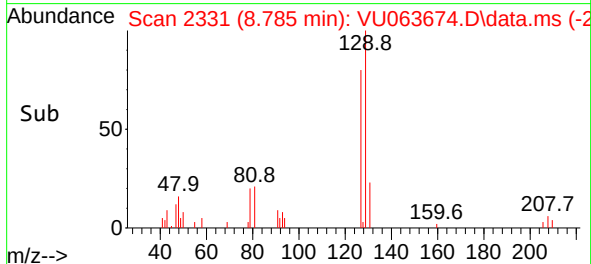
Instrument : MSVOA_U
ClientSampleId : VU063674.D
LOQ-WATER-02-QT4-2025



Tgt Ion:129 Resp: 7215
Ion Ratio Lower Upper
129 100
127 78.9 61.4 92.0

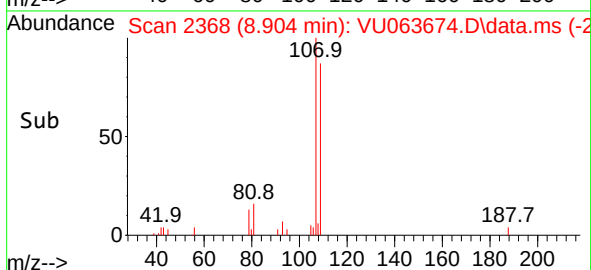
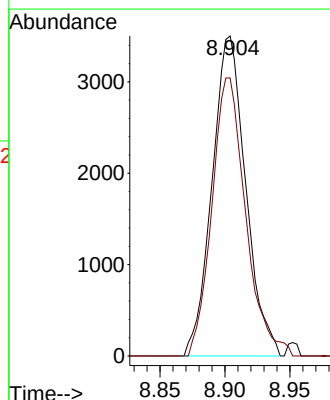
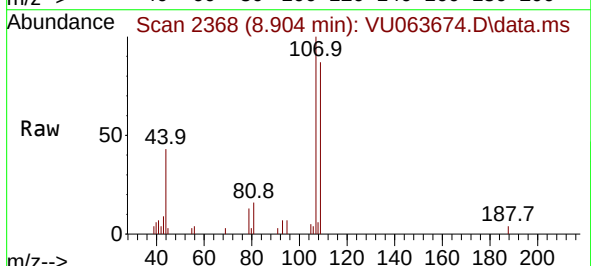
Manual Integrations
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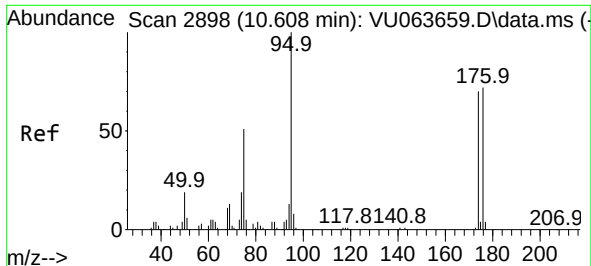
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#56
1,2-Dibromoethane
Concen: 0.410 ug/l
RT: 8.904 min Scan# 2368
Delta R.T. 0.006 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

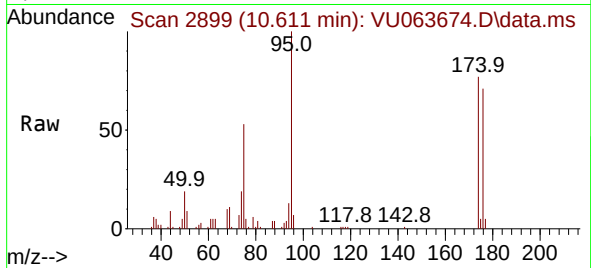
Tgt Ion:107 Resp: 6303
Ion Ratio Lower Upper
107 100
109 87.1 0.0 188.0





#57
4-Bromofluorobenzene
Concen: 0.928 ug/l
RT: 10.611 min Scan# 2899
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

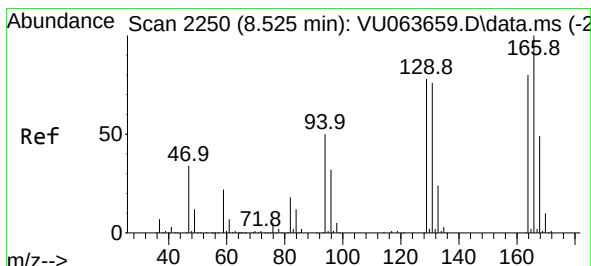
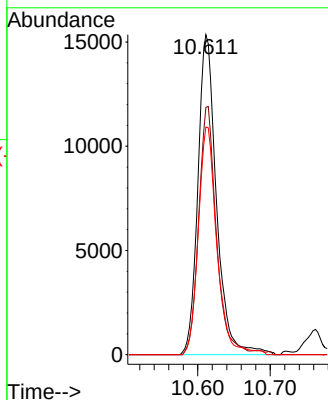
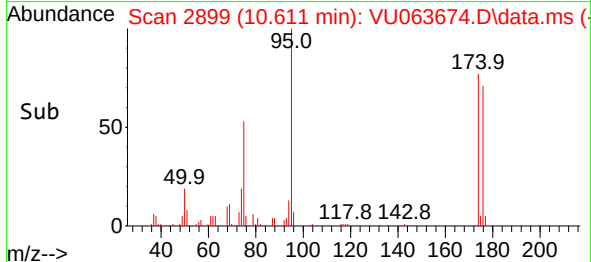
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 95 Resp: 2740
Ion Ratio Lower Upper
95 100
174 73.6 59.9 89.9
176 70.9 58.8 88.2

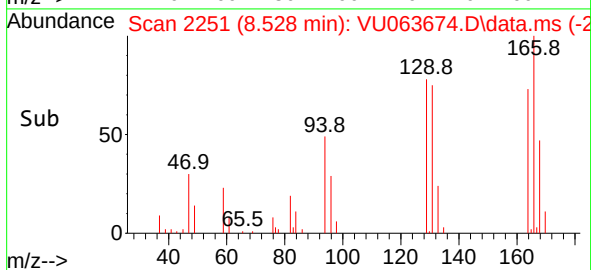
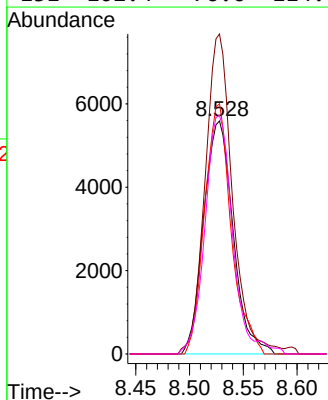
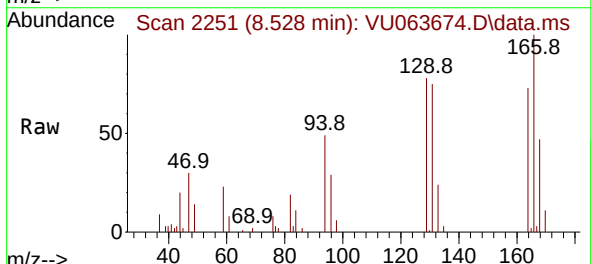
Manual Integrations
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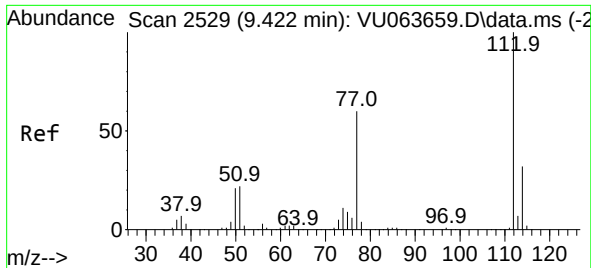
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#58
Tetrachloroethene
Concen: 0.465 ug/l
RT: 8.528 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

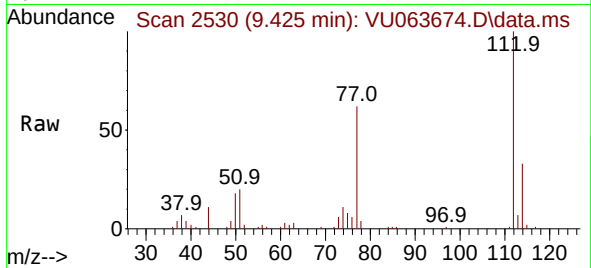
Tgt Ion:164 Resp: 10639
Ion Ratio Lower Upper
164 100
166 137.4 100.1 150.1
129 107.4 77.6 116.4
131 102.4 76.6 114.8





#59
Chlorobenzene
Concen: 0.467 ug/l
RT: 9.425 min Scan# 2529
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

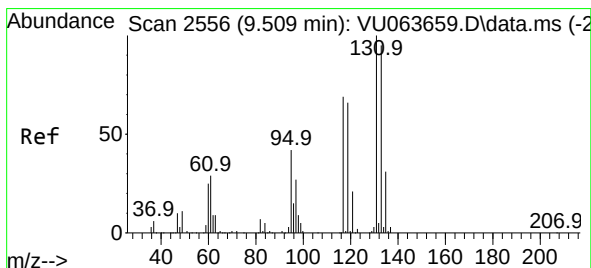
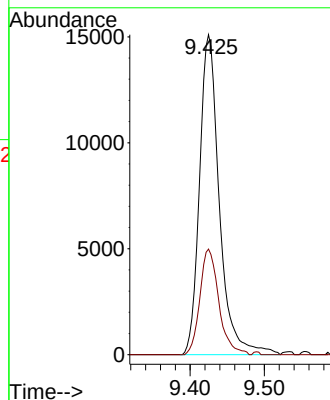
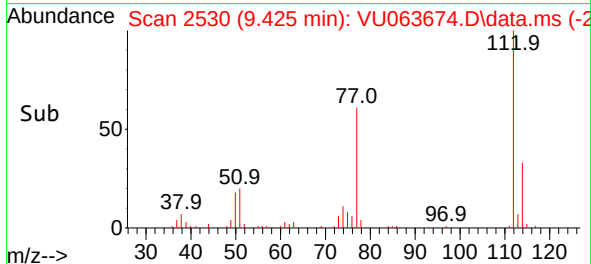
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2025



Tgt Ion:112 Resp: 28039
Ion Ratio Lower Upper
112 100
114 33.0 26.0 39.0

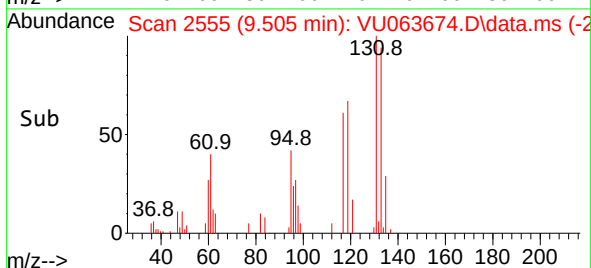
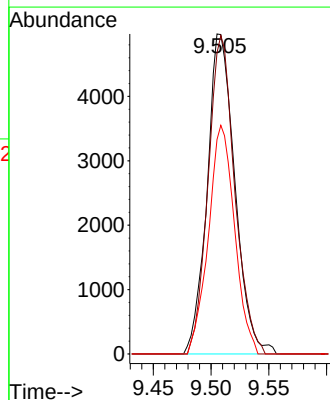
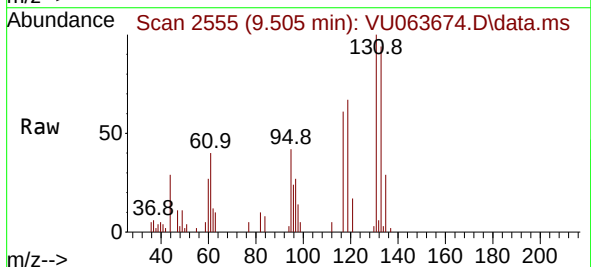
Manual Integrations
APPROVED

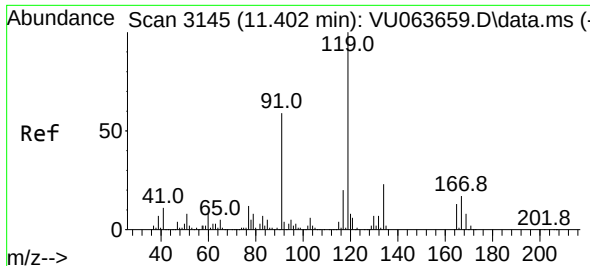
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#60
1,1,1,2-Tetrachloroethane
Concen: 0.395 ug/l
RT: 9.505 min Scan# 2555
Delta R.T. -0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

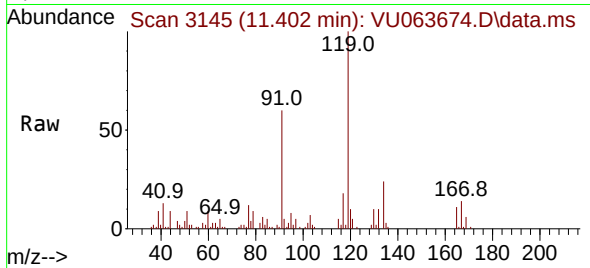
Tgt Ion:131 Resp: 8313
Ion Ratio Lower Upper
131 100
133 95.4 77.0 115.6
119 67.2 52.8 79.2





#61
Pentachloroethane
Concen: 0.417 ug/l
RT: 11.402 min Scan# 3145
Delta R.T. -0.000 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

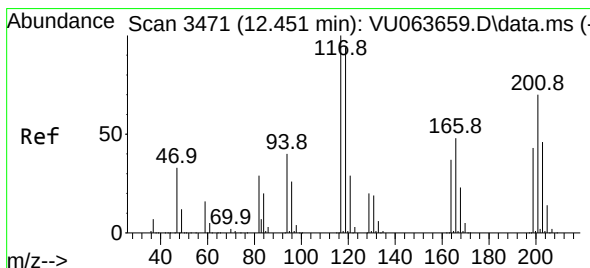
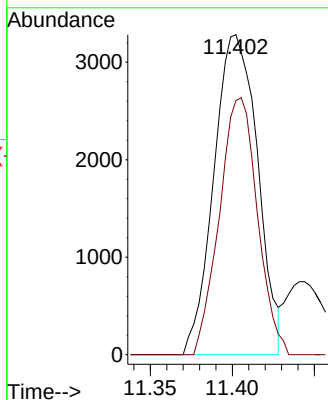
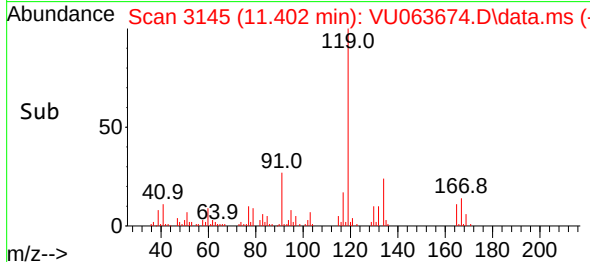
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



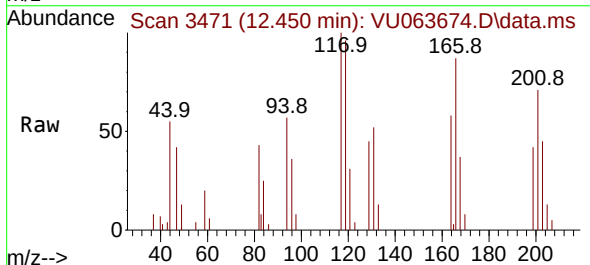
Tgt Ion:117 Resp: 6070
Ion Ratio Lower Upper
117 100
167 69.9 62.8 94.2

Manual Integrations
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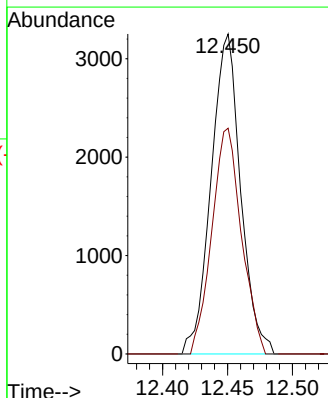
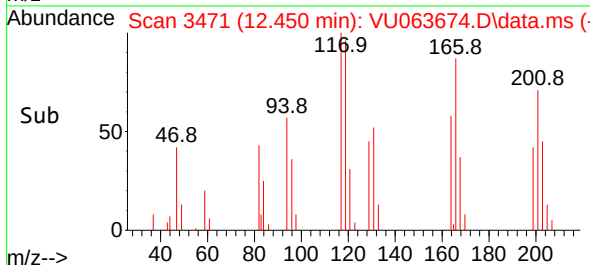
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

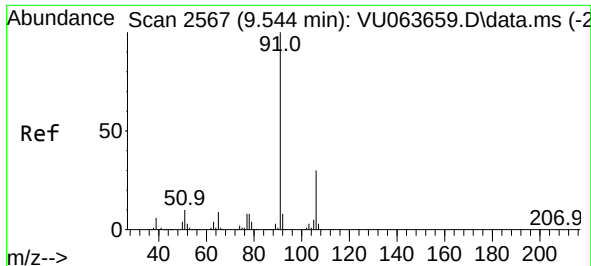


#62
Hexachloroethane
Concen: 0.321 ug/l
RT: 12.450 min Scan# 3471
Delta R.T. -0.000 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01



Tgt Ion:117 Resp: 5136
Ion Ratio Lower Upper
117 100
201 70.5 56.3 84.5





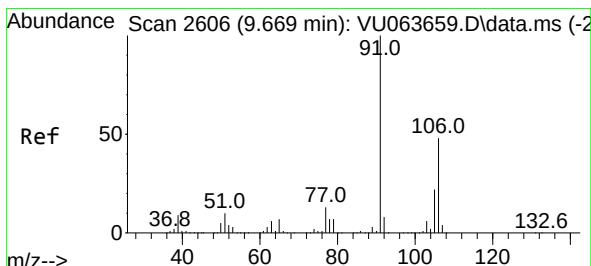
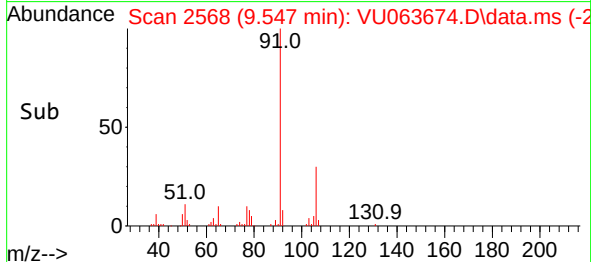
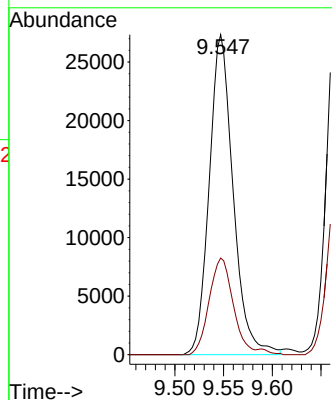
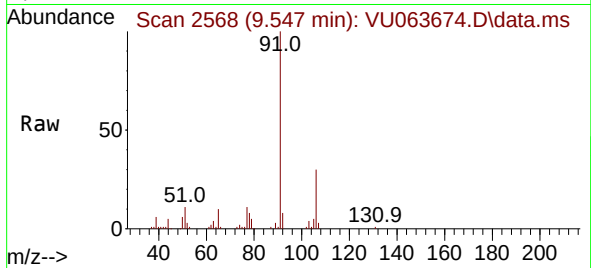
#63
Ethyl Benzene
Concen: 0.429 ug/l
RT: 9.547 min Scan# 2567
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion: 91 Resp: 46618
Ion Ratio Lower Upper
91 100
106 30.2 24.1 36.1

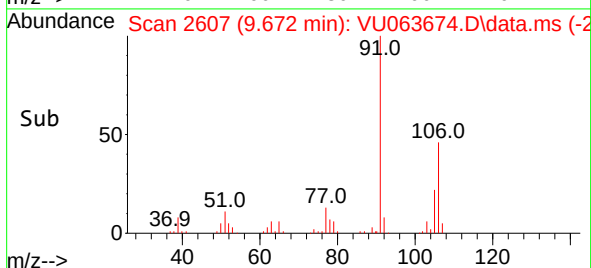
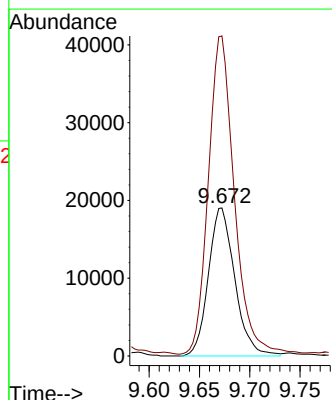
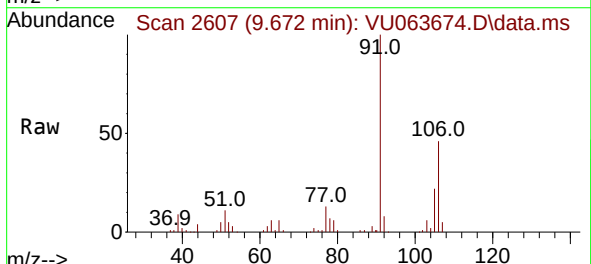
Manual Integrations
APPROVED

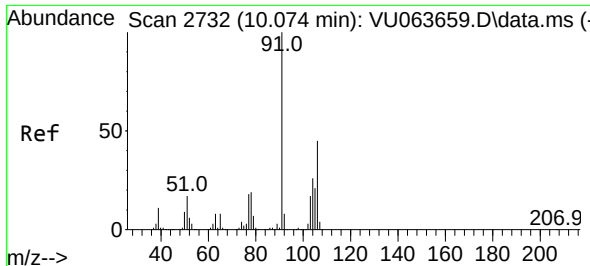
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#64
m/p-Xylenes
Concen: 0.856 ug/l
RT: 9.672 min Scan# 2607
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

Tgt Ion:106 Resp: 34754
Ion Ratio Lower Upper
106 100
91 211.1 167.0 250.4





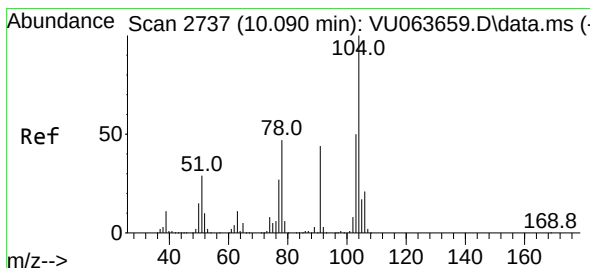
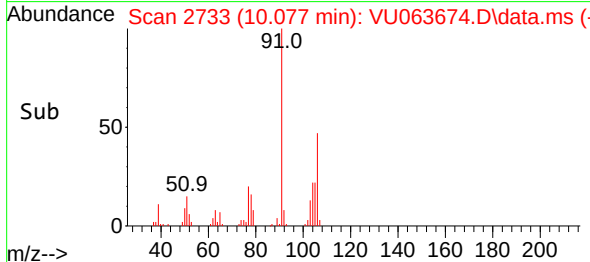
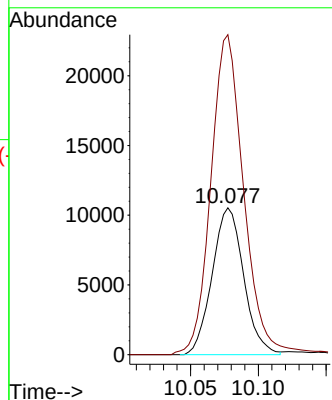
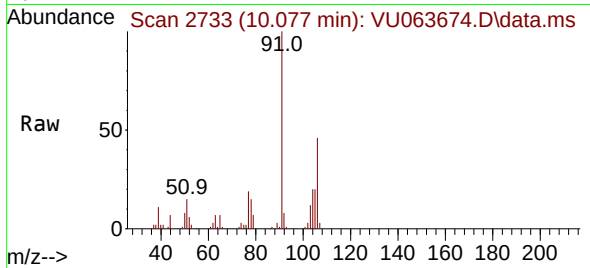
#65
o-Xylene
Concen: 0.427 ug/l
RT: 10.077 min Scan# 2733
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion:106 Resp: 17009
Ion Ratio Lower Upper
106 100
91 228.4 109.3 327.9

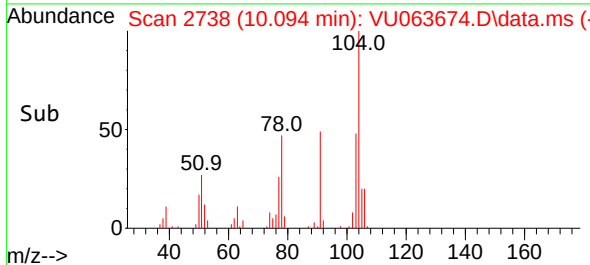
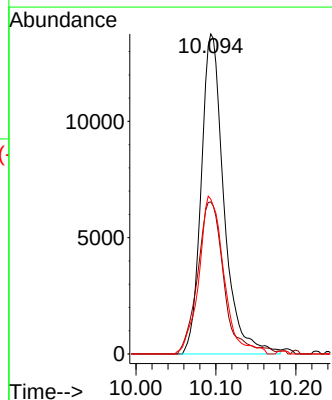
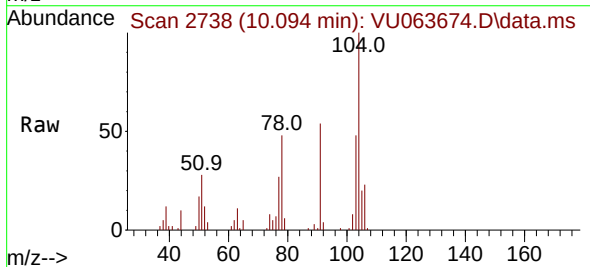
Manual Integrations
APPROVED

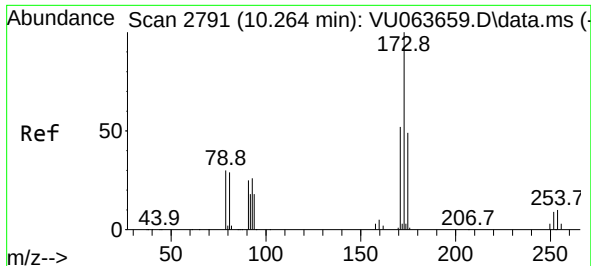
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#66
Styrene
Concen: 0.422 ug/l
RT: 10.094 min Scan# 2738
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

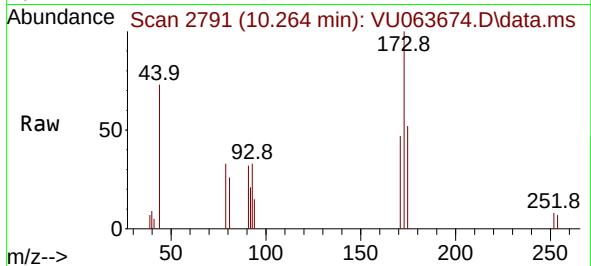
Tgt Ion:104 Resp: 27267
Ion Ratio Lower Upper
104 100
78 54.0 42.8 64.2
103 53.8 43.9 65.9





#67
Bromoform
Concen: 0.329 ug/l
RT: 10.264 min Scan# 2791
Delta R.T. -0.000 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

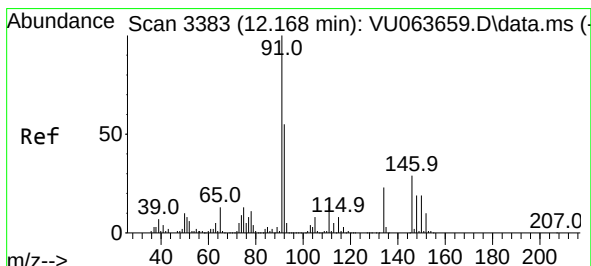
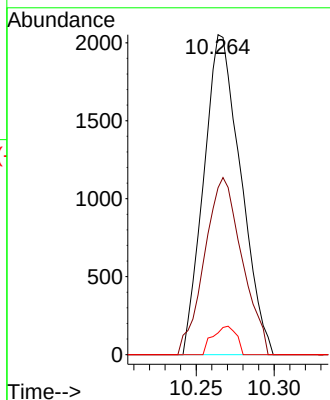
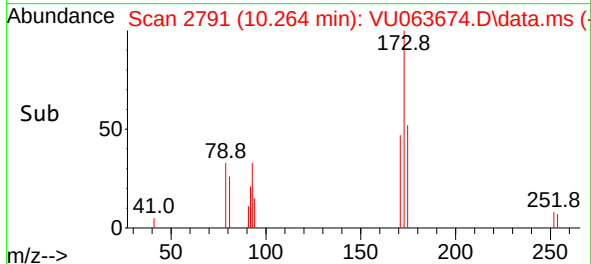
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



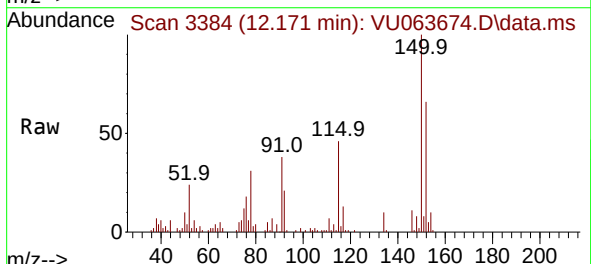
Tgt Ion:173 Resp: 3370
Ion Ratio Lower Upper
173 100
175 56.4 39.0 58.4
254 5.6 7.4 11.0

Manual Integrations
APPROVED

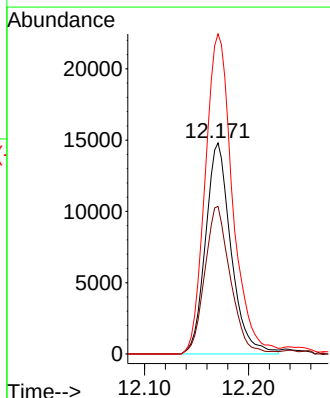
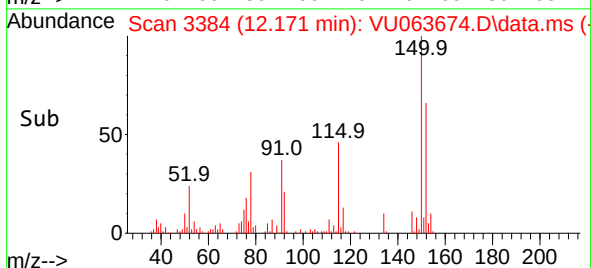
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

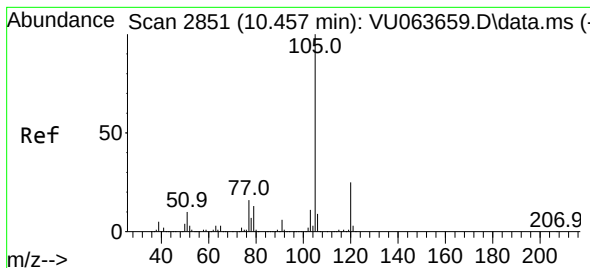


#68
1,2-Dichlorobenzene-d4
Concen: 0.949 ug/l
RT: 12.171 min Scan# 3384
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01



Tgt Ion:152 Resp: 25135
Ion Ratio Lower Upper
152 100
115 70.8 0.0 247.2
150 162.9 0.0 643.6





#69

Isopropylbenzene

Concen: 0.448 ug/l

RT: 10.460 min Scan# 2851

Delta R.T. 0.003 min

Lab File: VU063674.D

Acq: 05 Nov 2025 16:01

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion:105 Resp: 44060

Ion Ratio Lower Upper

105 100

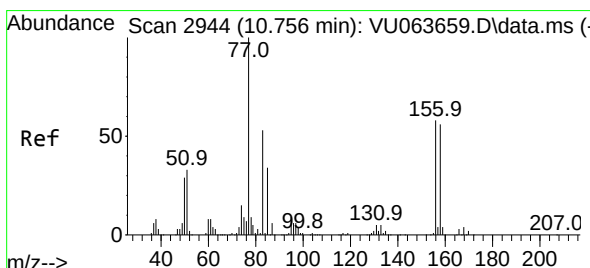
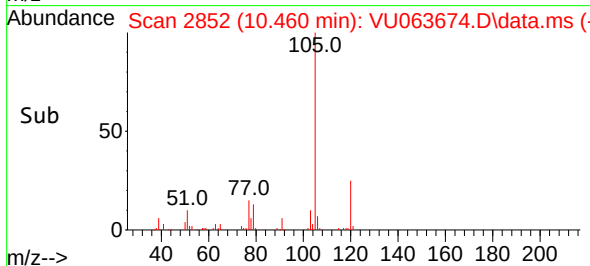
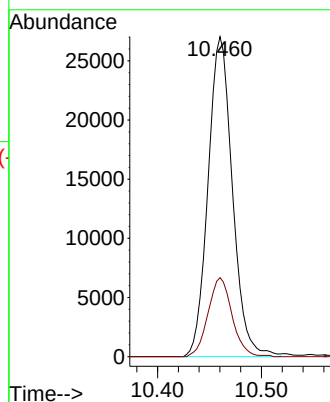
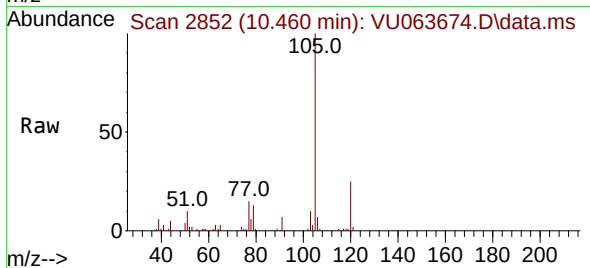
120 24.4 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 0.467 ug/l

RT: 10.759 min Scan# 2945

Delta R.T. 0.003 min

Lab File: VU063674.D

Acq: 05 Nov 2025 16:01

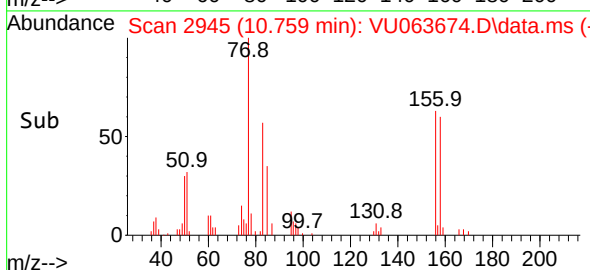
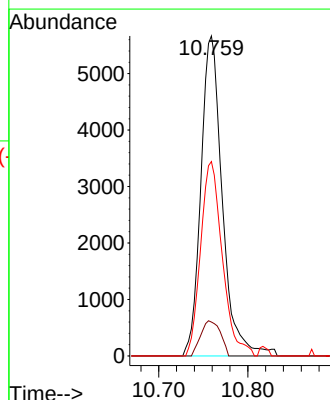
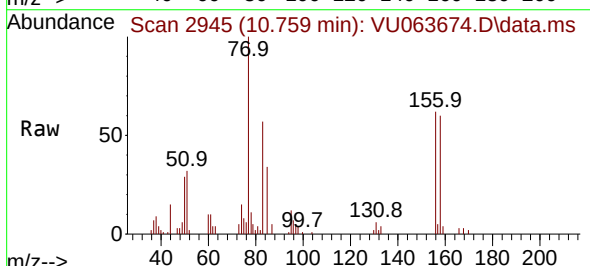
Tgt Ion: 83 Resp: 9476

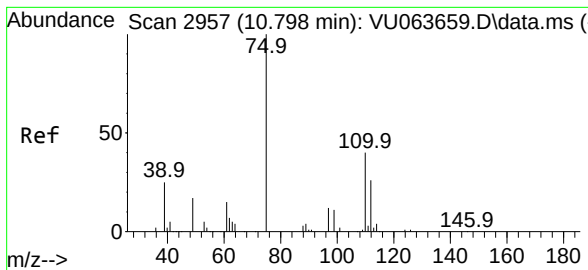
Ion Ratio Lower Upper

83 100

131 10.0 8.1 12.1

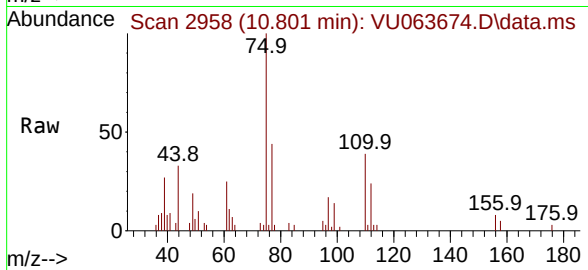
85 61.5 51.0 76.6





#71
1,2,3-Trichloropropane
Concen: 0.461 ug/l m
RT: 10.801 min Scan# 2957
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

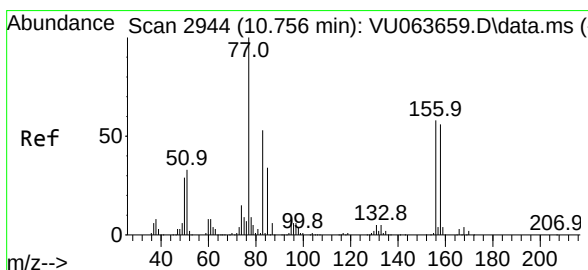
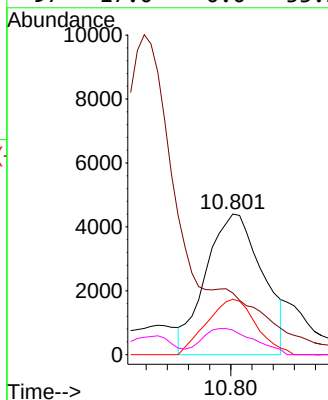
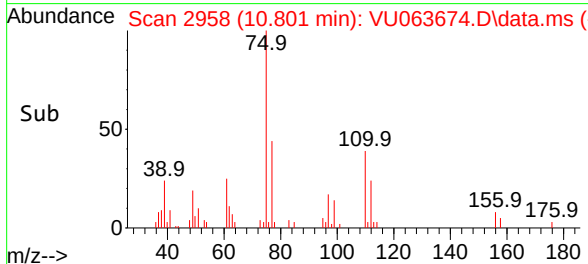
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



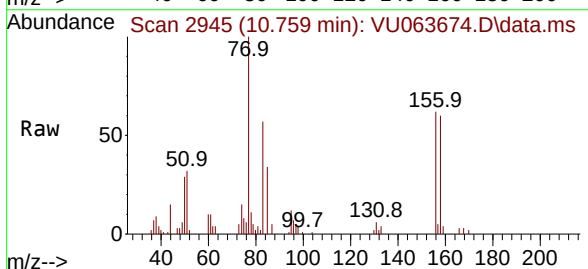
Tgt Ion: 75 Resp: 814
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0
110 34.5 0.0 66.4
97 17.0 0.0 33.2

Manual Integrations
APPROVED

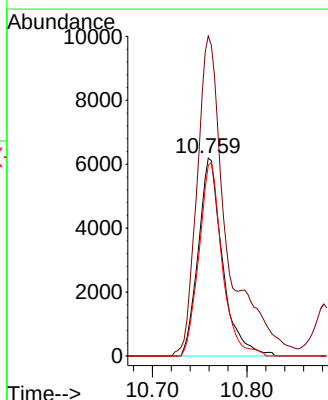
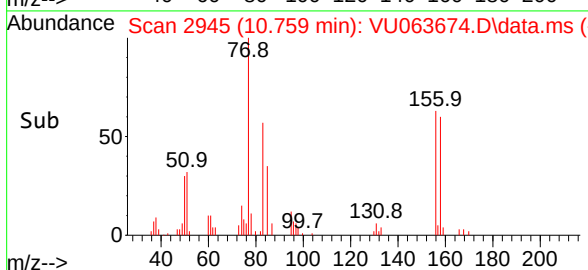
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

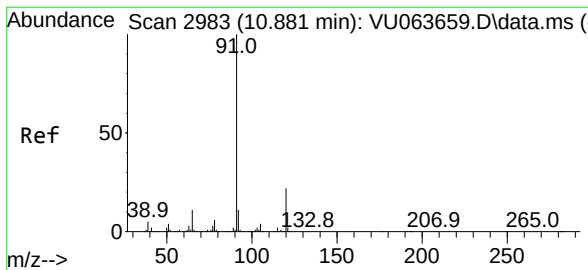


#72
Bromobenzene
Concen: 0.463 ug/l
RT: 10.759 min Scan# 2945
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01



Tgt Ion:156 Resp: 11002
Ion Ratio Lower Upper
156 100
77 200.1 0.0 337.2
158 93.2 0.0 191.8





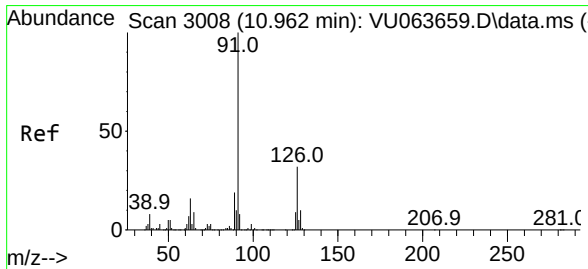
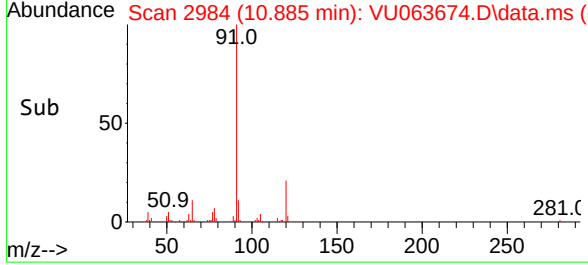
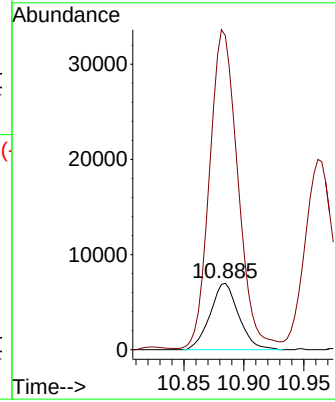
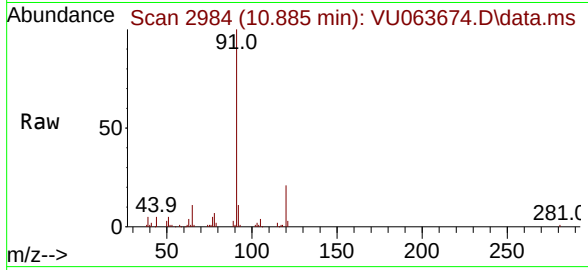
#73
n-propylbenzene
Concen: 0.414 ug/l
RT: 10.885 min Scan# 2983
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion:120 Resp: 11540
Ion Ratio Lower Upper
120 100
91 476.4 361.4 542.2

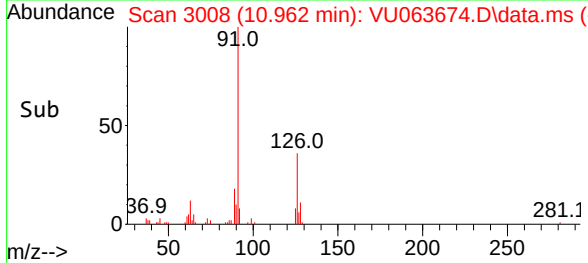
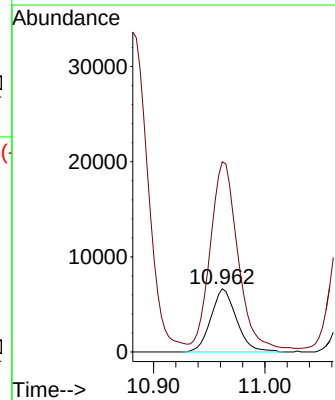
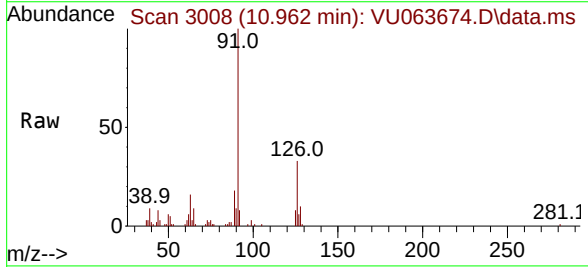
Manual Integrations
APPROVED

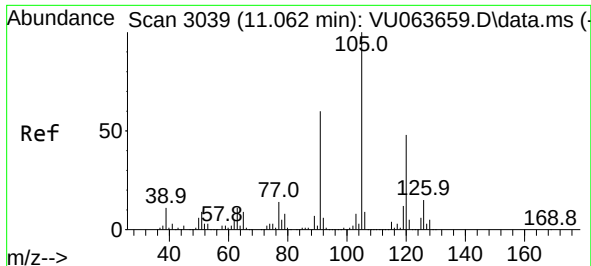
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#74
2-Chlorotoluene
Concen: 0.438 ug/l
RT: 10.962 min Scan# 3008
Delta R.T. -0.000 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

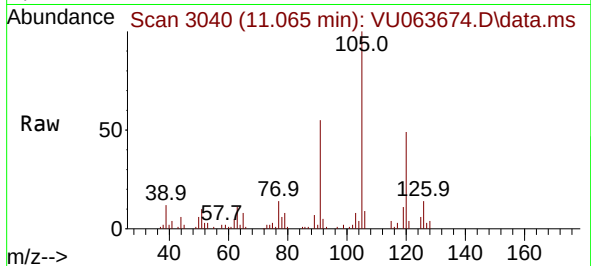
Tgt Ion:126 Resp: 10595
Ion Ratio Lower Upper
126 100
91 322.3 0.0 634.8





#75
1,3,5-Trimethylbenzene
Concen: 0.440 ug/l
RT: 11.065 min Scan# 3039
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

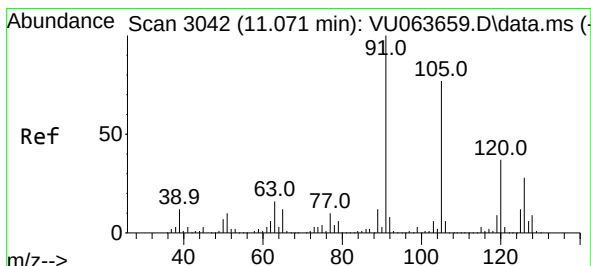
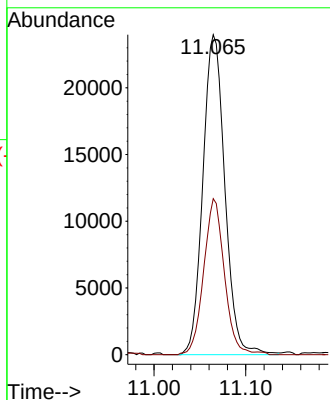
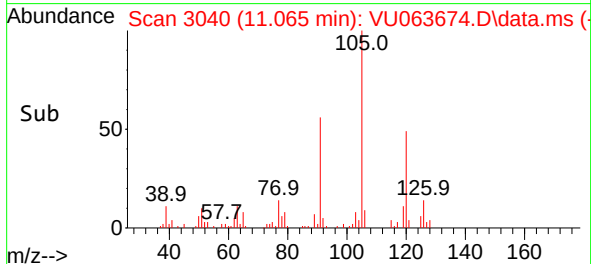
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



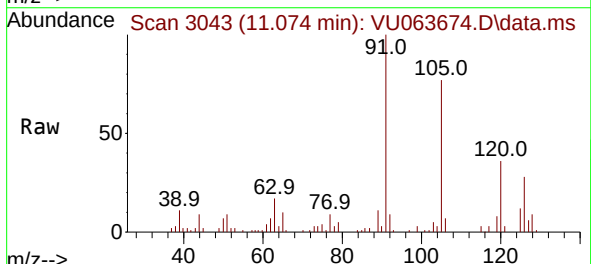
Tgt Ion:105 Resp: 3994
Ion Ratio Lower Upper
105 100
120 45.7 38.2 57.2

Manual Integrations
APPROVED

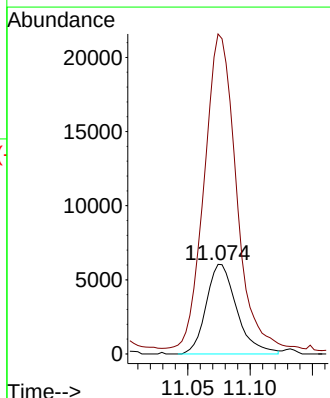
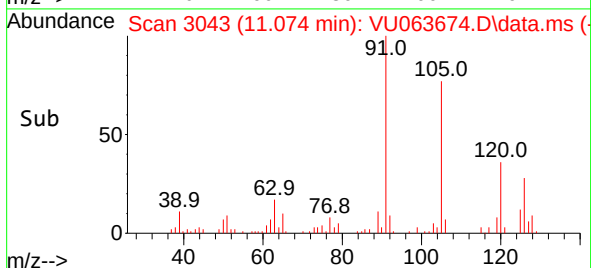
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

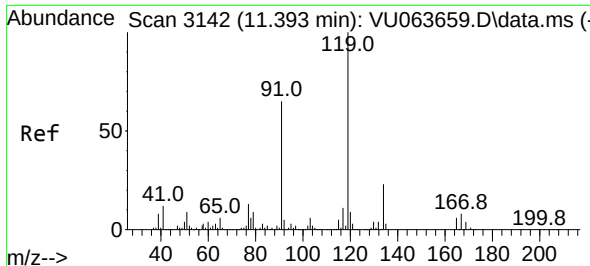


#76
4-Chlorotoluene
Concen: 0.423 ug/l
RT: 11.074 min Scan# 3043
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01



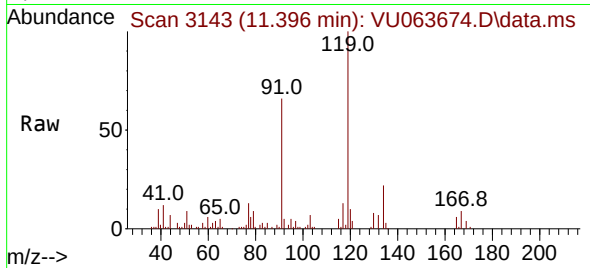
Tgt Ion:126 Resp: 10289
Ion Ratio Lower Upper
126 100
91 369.2 0.0 716.6





#77
tert-Butylbenzene
Concen: 0.434 ug/l
RT: 11.396 min Scan# 3142
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

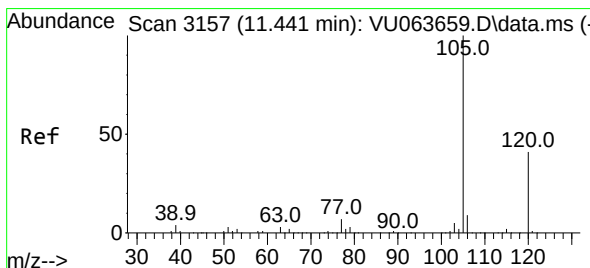
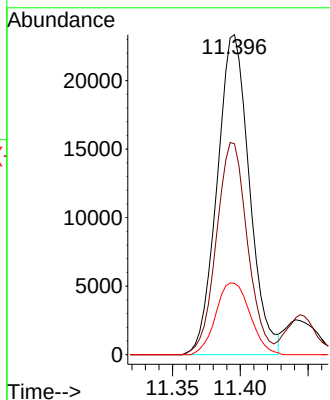
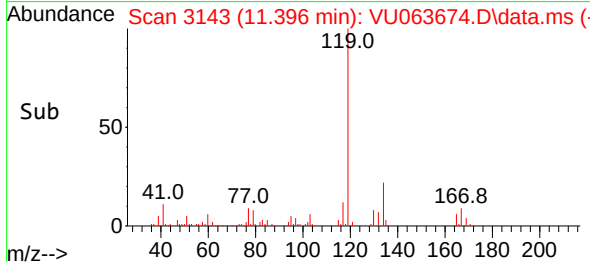
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



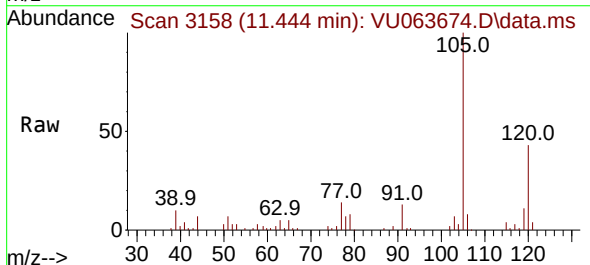
Tgt Ion:119 Resp: 38660
Ion Ratio Lower Upper
119 100
91 64.0 31.3 93.8
134 23.7 18.7 28.1

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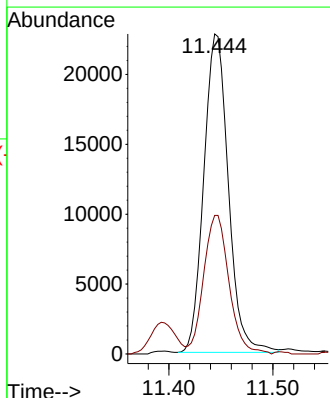
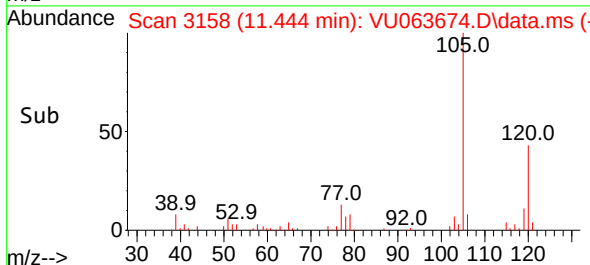
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

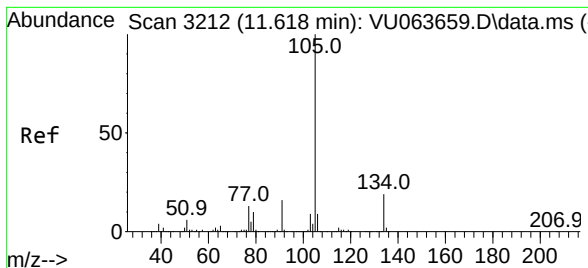


#78
1,2,4-Trimethylbenzene
Concen: 0.429 ug/l
RT: 11.444 min Scan# 3158
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01



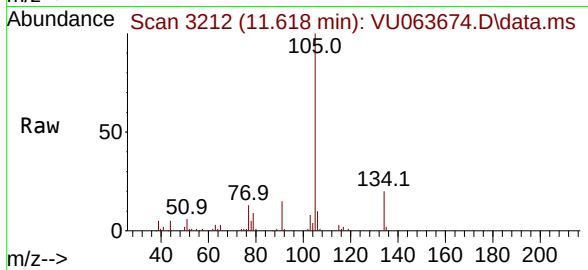
Tgt Ion:105 Resp: 37405
Ion Ratio Lower Upper
105 100
120 45.1 22.4 67.0





#79
 sec-Butylbenzene
 Concen: 0.431 ug/l
 RT: 11.618 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU063674.D
 Acq: 05 Nov 2025 16:01

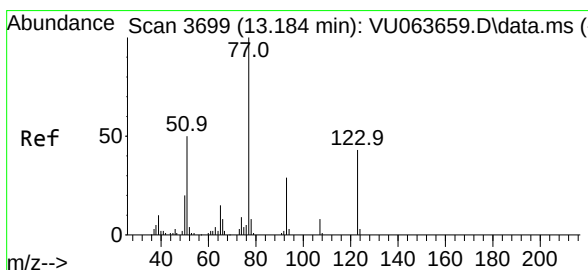
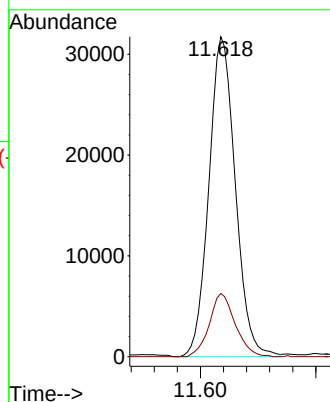
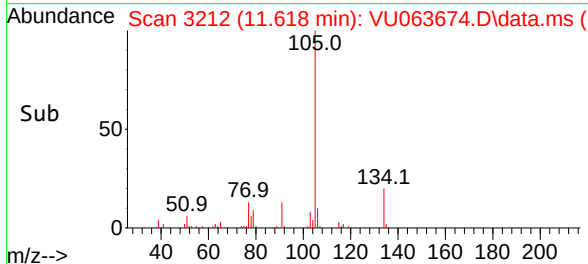
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2025



Tgt Ion:105 Resp: 50509
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.7 23.5

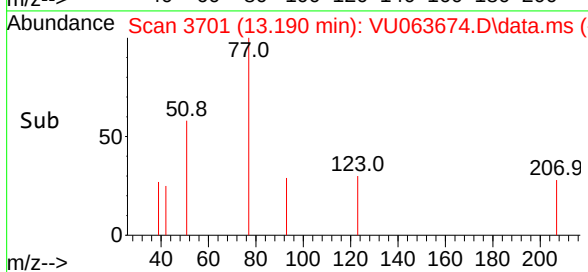
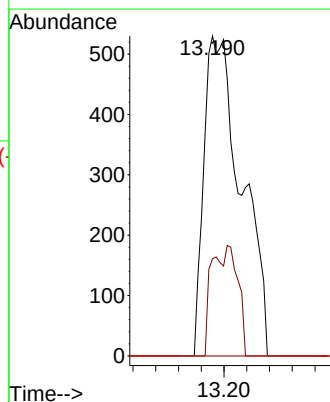
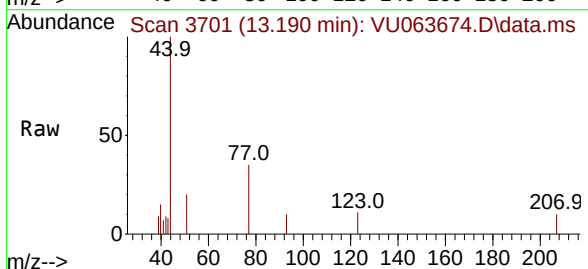
Manual Integrations
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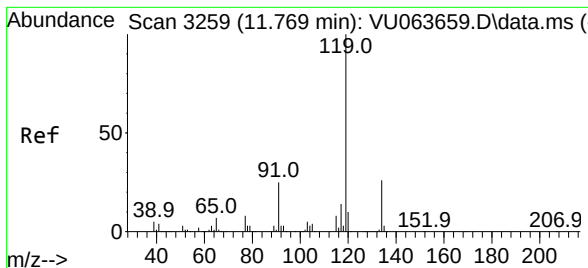
Reviewed By :John Carlone 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025



#80
 Nitrobenzene
 Concen: 1.696 ug/l m
 RT: 13.190 min Scan# 3701
 Delta R.T. 0.006 min
 Lab File: VU063674.D
 Acq: 05 Nov 2025 16:01

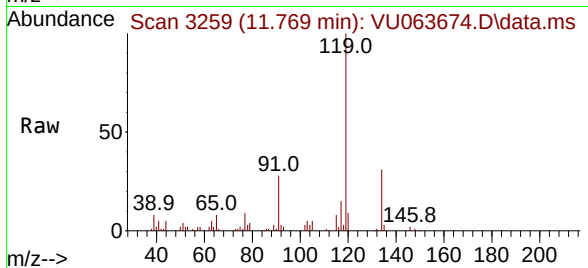
Tgt Ion: 77 Resp: 1211
 Ion Ratio Lower Upper
 77 100
 123 12.3 18.2 64.4#
 65 0.0 13.6 17.2#





#81
p-Isopropyltoluene
Concen: 0.426 ug/l
RT: 11.769 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

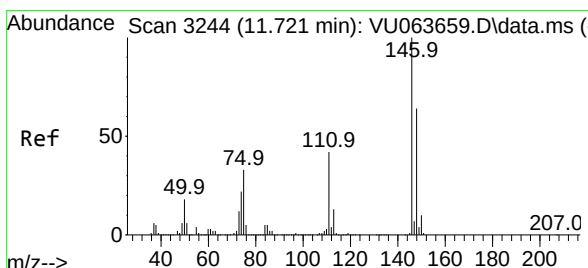
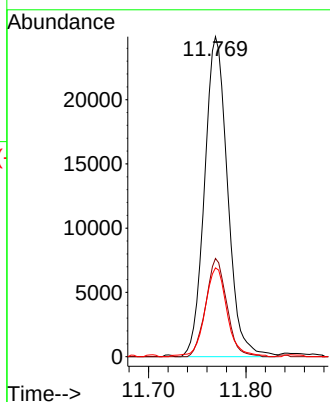
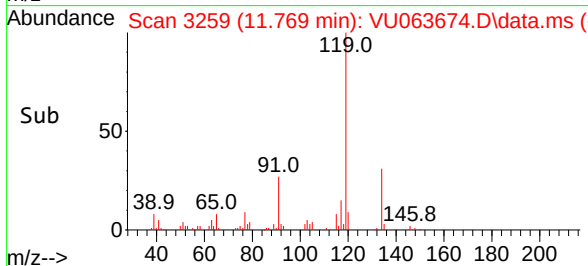
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



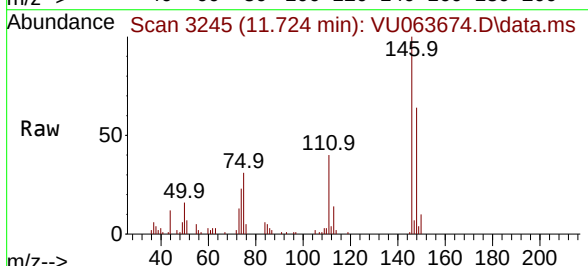
Tgt Ion:119 Resp: 4088
Ion Ratio Lower Upper
119 100
134 27.9 20.3 30.5
91 26.7 20.1 30.1

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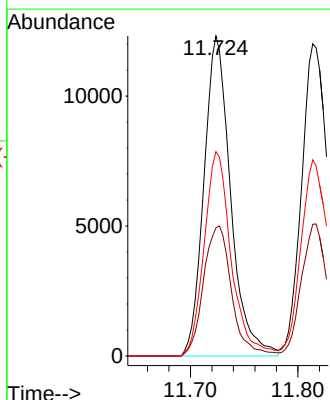
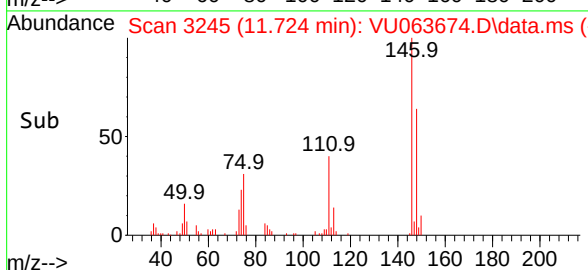
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

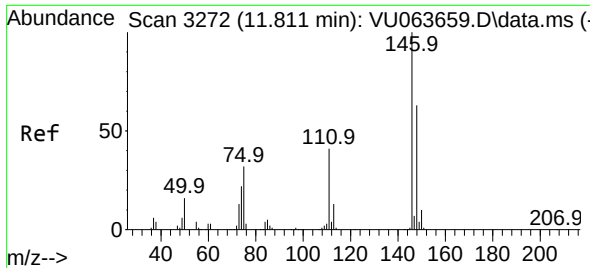


#82
1,3-Dichlorobenzene
Concen: 0.462 ug/l
RT: 11.724 min Scan# 3245
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01



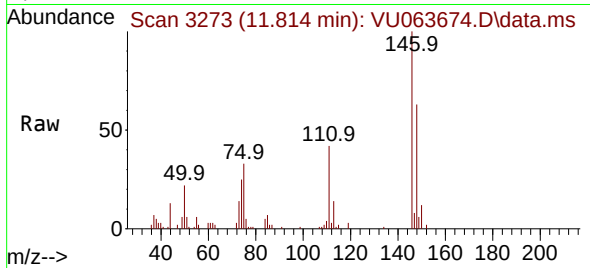
Tgt Ion:146 Resp: 21284
Ion Ratio Lower Upper
146 100
111 42.7 33.8 50.8
148 64.5 50.8 76.2





#83
1,4-Dichlorobenzene
Concen: 0.472 ug/l
RT: 11.814 min Scan# 3272
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

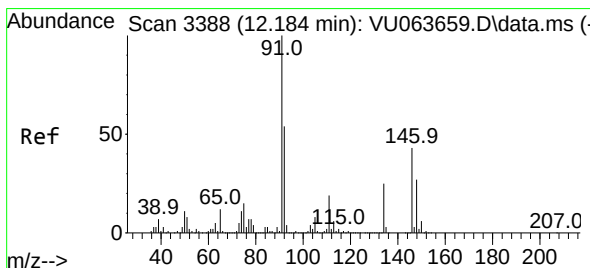
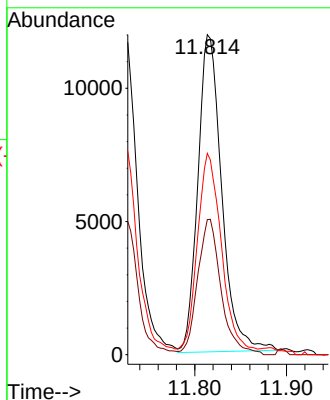
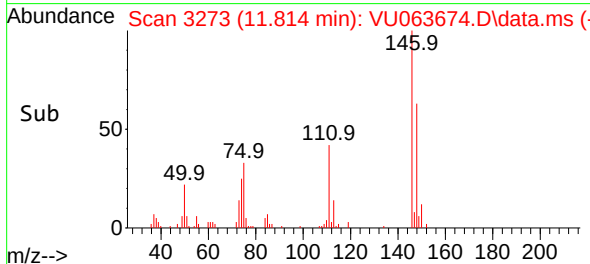
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025



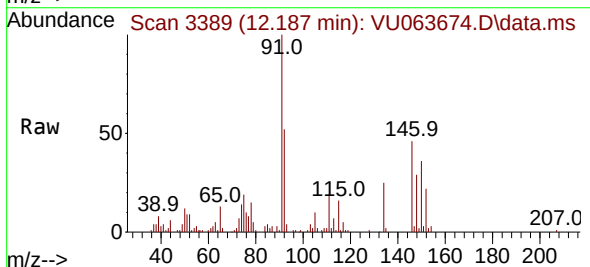
Tgt Ion:146 Resp: 21568
Ion Ratio Lower Upper
146 100
111 41.9 33.0 49.4
148 61.3 50.6 76.0

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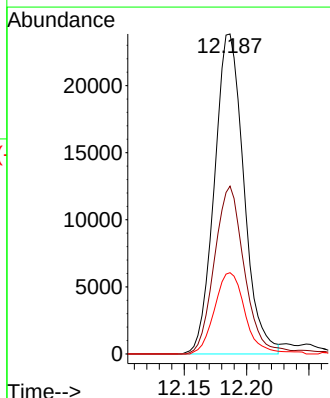
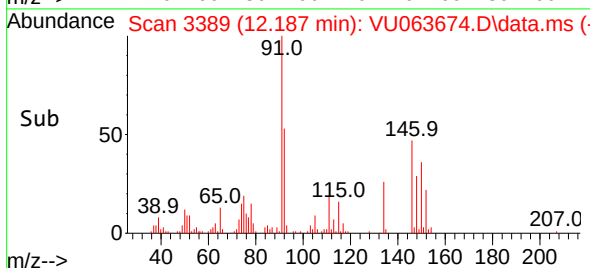
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

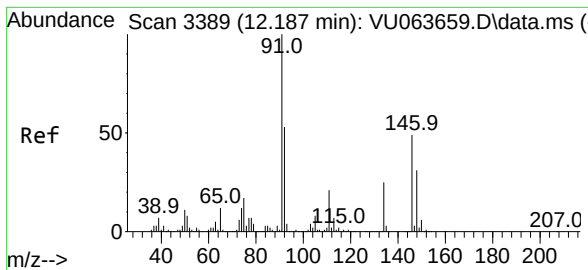


#84
n-Butylbenzene
Concen: 0.455 ug/l
RT: 12.187 min Scan# 3389
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01



Tgt Ion: 91 Resp: 39143
Ion Ratio Lower Upper
91 100
92 53.5 43.1 64.7
134 26.5 19.7 29.5





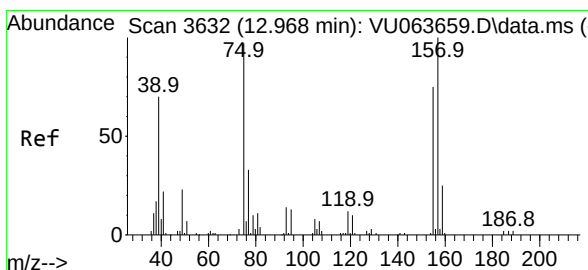
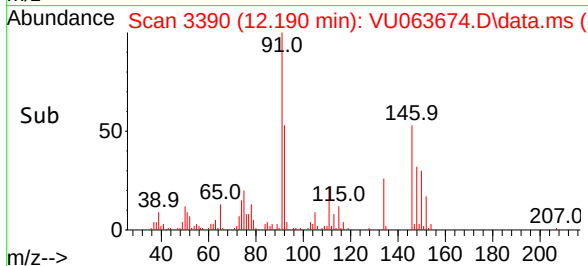
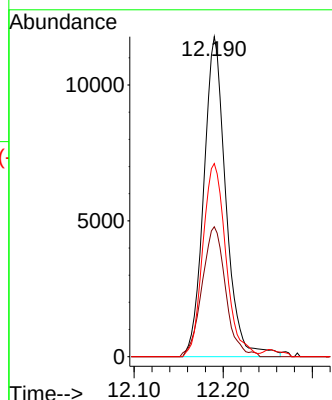
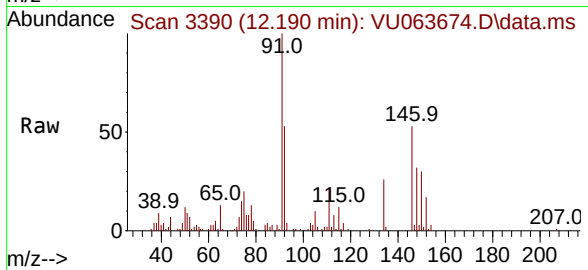
#85
1,2-Dichlorobenzene
Concen: 0.466 ug/l
RT: 12.190 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion:146 Resp: 20280
Ion Ratio Lower Upper
146 100
111 43.3 22.2 66.6
148 63.3 31.9 95.5

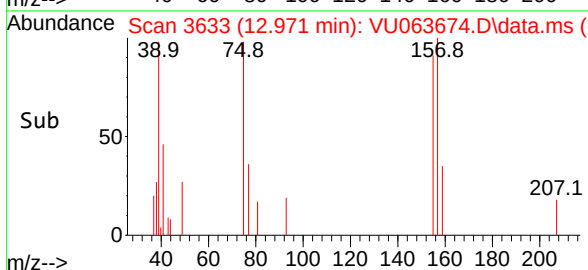
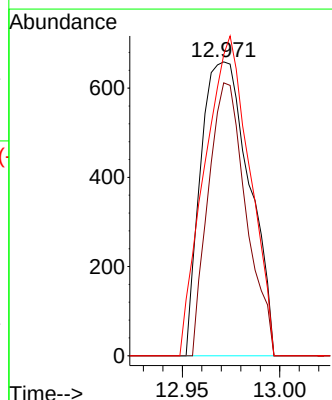
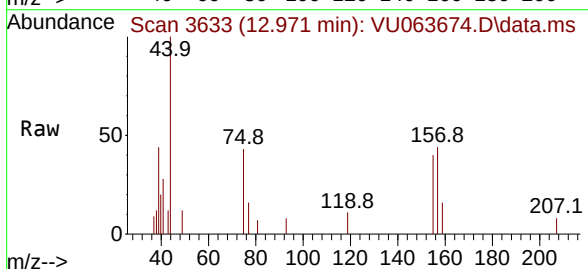
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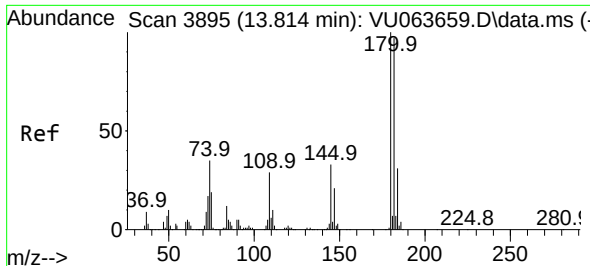
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#86
1,2-Dibromo-3-Chloropropane
Concen: 0.340 ug/l
RT: 12.971 min Scan# 3633
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

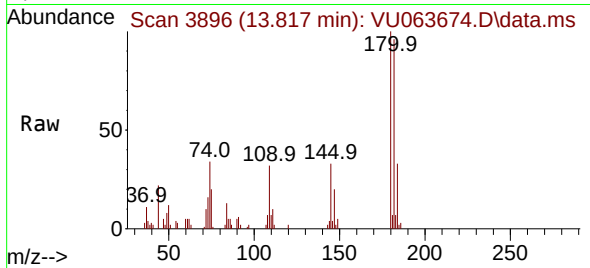
Tgt Ion: 75 Resp: 1142
Ion Ratio Lower Upper
75 100
155 72.4 62.2 93.4
157 100.8 81.3 121.9





#87
1,2,4-Trichlorobenzene
Concen: 0.508 ug/l
RT: 13.817 min Scan# 3895
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

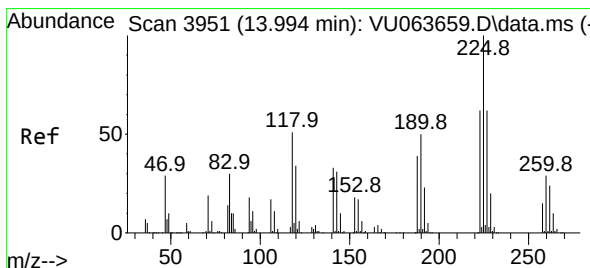
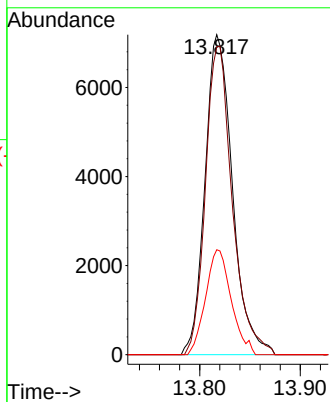
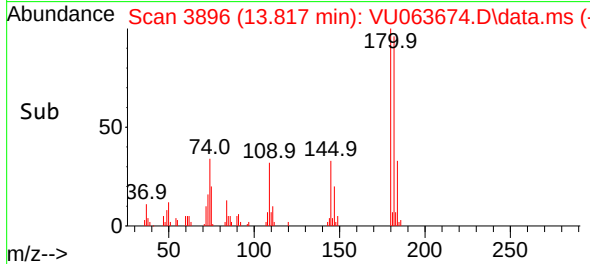
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2025



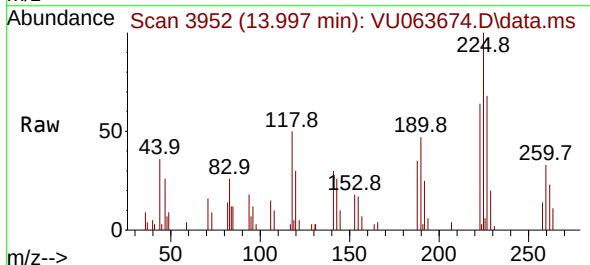
Tgt Ion:180 Resp: 13634
Ion Ratio Lower Upper
180 100
182 94.1 76.4 114.6
145 30.6 26.2 39.2

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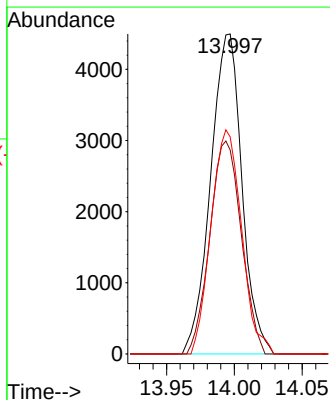
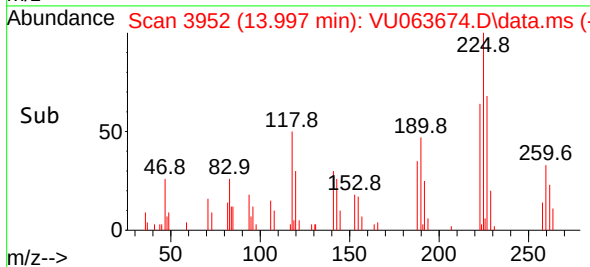
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

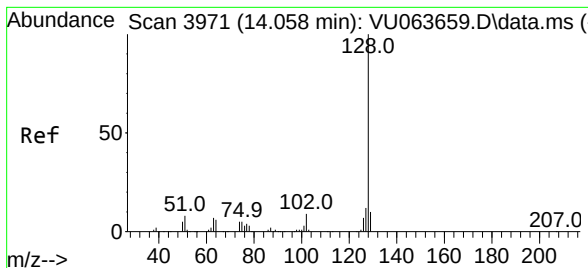


#88
Hexachlorobutadiene
Concen: 0.453 ug/l
RT: 13.997 min Scan# 3952
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01



Tgt Ion:225 Resp: 7229
Ion Ratio Lower Upper
225 100
223 66.8 50.2 75.4
227 68.2 50.0 75.0





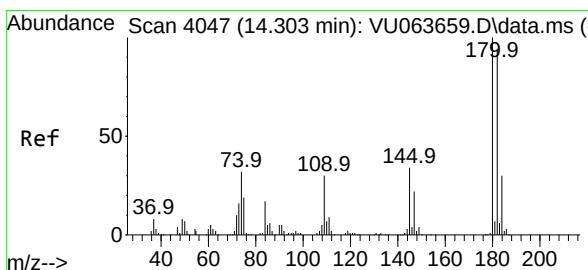
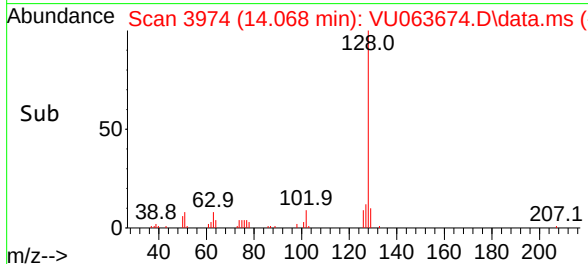
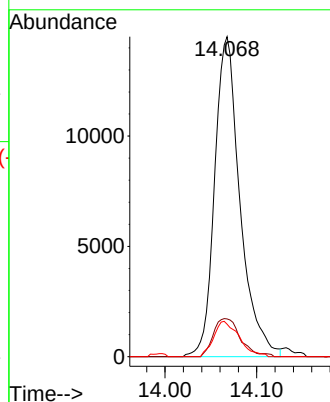
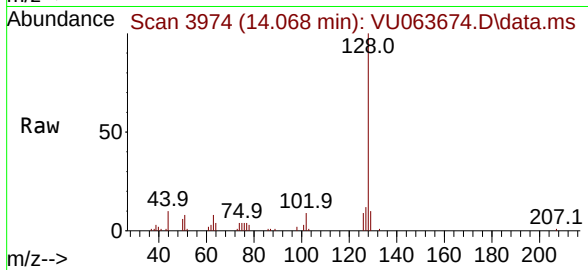
#89
Naphthalene
Concen: 0.540 ug/l
RT: 14.068 min Scan# 3971
Delta R.T. 0.009 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion:128 Resp: 27880
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 11.1 8.6 12.8

Manual Integrations
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Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#90
1,2,3-Trichlorobenzene
Concen: 0.532 ug/l
RT: 14.306 min Scan# 4048
Delta R.T. 0.003 min
Lab File: VU063674.D
Acq: 05 Nov 2025 16:01

Tgt Ion:180 Resp: 13033
Ion Ratio Lower Upper
180 100
182 95.3 75.4 113.0
145 34.5 27.4 41.2

