

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112025\
 Data File : VV039416.D
 Acq On : 20 Nov 2025 10:19
 Operator : SY/MD
 Sample : Q3589-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2025-08

Quant Time: Nov 21 03:12:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111925WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 21 03:08:38 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/21/2025
 Supervised By :Mahesh Dadoda 11/21/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	279985	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	313568	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	171477	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.294	65	193296	5.024	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.400%
7) Chloroethane-d5	1.545	69	179870	5.338	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.800%
11) 1,1-Dichloroethene-d2	2.072	65	93411	5.348	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.000%
20) 2-Butanone-d5	3.786	46	302063	48.301	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.600%
24) Chloroform-d	4.249	84	437801	5.238	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.800%
26) 1,2-Dichloroethane-d4	4.940	65	193859	5.284	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.600%
32) Benzene-d6	4.957	84	773856	5.263	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.200%
36) 1,2-Dichloropropane-d6	5.982	67	248772	5.534	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.600%
41) Toluene-d8	7.236	98	629506	4.666	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.400%
43) trans-1,3-Dichloroprop...	7.551	79	78272	4.879	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.600%
46) 2-Hexanone-d5	8.011	63	221132	45.817	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.640%
56) 1,1,2,2-Tetrachloroeth...	10.143	84	158063	5.243	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.800%
66) 1,2-Dichlorobenzene-d4	11.548	152	212579	5.859	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	8610	0.285	ug/L #	84
3) Chloromethane	1.230	50	6248	0.280	ug/L	93
5) Vinyl chloride	1.297	62	7454m	0.287	ug/L	
6) Bromomethane	1.500	94	5422	0.362	ug/L	95
8) Chloroethane	1.561	64	5128m	0.269	ug/L	
9) Trichlorofluoromethane	1.728	101	16382	0.323	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.082	101	12155	0.365	ug/L	85
12) 1,1-Dichloroethene	2.082	96	9554	0.401	ug/L #	1
14) Carbon disulfide	2.256	76	12734	0.322	ug/L	99
15) Methyl Acetate	2.400	43	3580	0.347	ug/L #	89
16) Methylene chloride	2.461	84	14108	0.409	ug/L	92
17) Methyl tert-butyl Ether	2.715	73	15996	0.279	ug/L #	89
18) trans-1,2-Dichloroethene	2.712	96	7054	0.279	ug/L	93
19) 1,1-Dichloroethane	3.127	63	16307	0.258	ug/L	93
21) 2-Butanone	3.912	43	17391m	2.734	ug/L	
22) cis-1,2-Dichloroethene	3.828	96	9434	0.306	ug/L	86
23) Bromochloromethane	4.166	128	4037m	0.288	ug/L	
25) Chloroform	4.285	83	24097	0.349	ug/L	94
27) 1,2-Dichloroethane	5.066	62	11204m	0.320	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 1,1,1-Trichloroethane	4.519	97	18907	0.324	ug/L #	87
30) Cyclohexane	4.577	56	8126m	0.244	ug/L	
31) Carbon tetrachloride	4.735	117	16768	0.326	ug/L	92
33) Benzene	5.021	78	31263	0.271	ug/L	100
34) Trichloroethene	5.847	95	9278	0.294	ug/L	84
35) Methylcyclohexane	6.037	83	10181m	0.287	ug/L	
37) 1,2-Dichloropropane	6.101	63	8397	0.246	ug/L #	88
38) Bromodichloromethane	6.436	83	16497	0.348	ug/L	92
39) cis-1,3-Dichloropropene	6.966	75	12390	0.286	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	37173m	2.450	ug/L	
42) Toluene	7.320	91	33490	0.272	ug/L	97
44) trans-1,3-Dichloropropene	7.593	75	9535	0.247	ug/L	85
45) 1,1,2-Trichloroethane	7.776	97	6378	0.255	ug/L	94
47) Tetrachloroethene	7.902	164	9021	0.318	ug/L	94
48) 2-Hexanone	8.079	43	30449	2.703	ug/L #	94
49) Dibromochloromethane	8.172	129	10140	0.320	ug/L	95
50) 1,2-Dibromoethane	8.288	107	5922	0.282	ug/L #	99
51) Chlorobenzene	8.808	112	25136	0.283	ug/L	94
52) Ethylbenzene	8.947	91	34016	0.255	ug/L	100
53) m,p-Xylene	9.075	106	10989	0.214	ug/L	95
54) o-Xylene	9.474	106	10873	0.220	ug/L	93
55) Styrene	9.503	104	17949	0.205	ug/L	87
57) 1,1,2,2-Tetrachloroethane	10.165	83	9850	0.330	ug/L #	96
59) Bromoform	9.661	173	5370	0.349	ug/L #	94
60) Isopropylbenzene	9.860	105	30185	0.274	ug/L	97
61) 1,2,3-Trichloropropane	10.204	75	4143	0.270	ug/L #	63
62) 1,3,5-Trimethylbenzene	10.468	105	21516	0.254	ug/L	93
63) 1,2,4-Trimethylbenzene	10.847	105	21504	0.256	ug/L	88
64) 1,3-Dichlorobenzene	11.117	146	18092	0.299	ug/L	92
65) 1,4-Dichlorobenzene	11.201	146	18490	0.296	ug/L	94
67) 1,2-Dichlorobenzene	11.570	146	18879	0.343	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.371	75	772m	0.215	ug/L	
69) 1,3,5-Trichlorobenzene	12.577	180	13878	0.304	ug/L	95
70) 1,2,4-trichlorobenzene	13.201	180	9791	0.281	ug/L	86
71) Naphthalene	13.442	128	10647	0.248	ug/L #	93
72) 1,2,3-Trichlorobenzene	13.676	180	8965	0.288	ug/L #	92

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

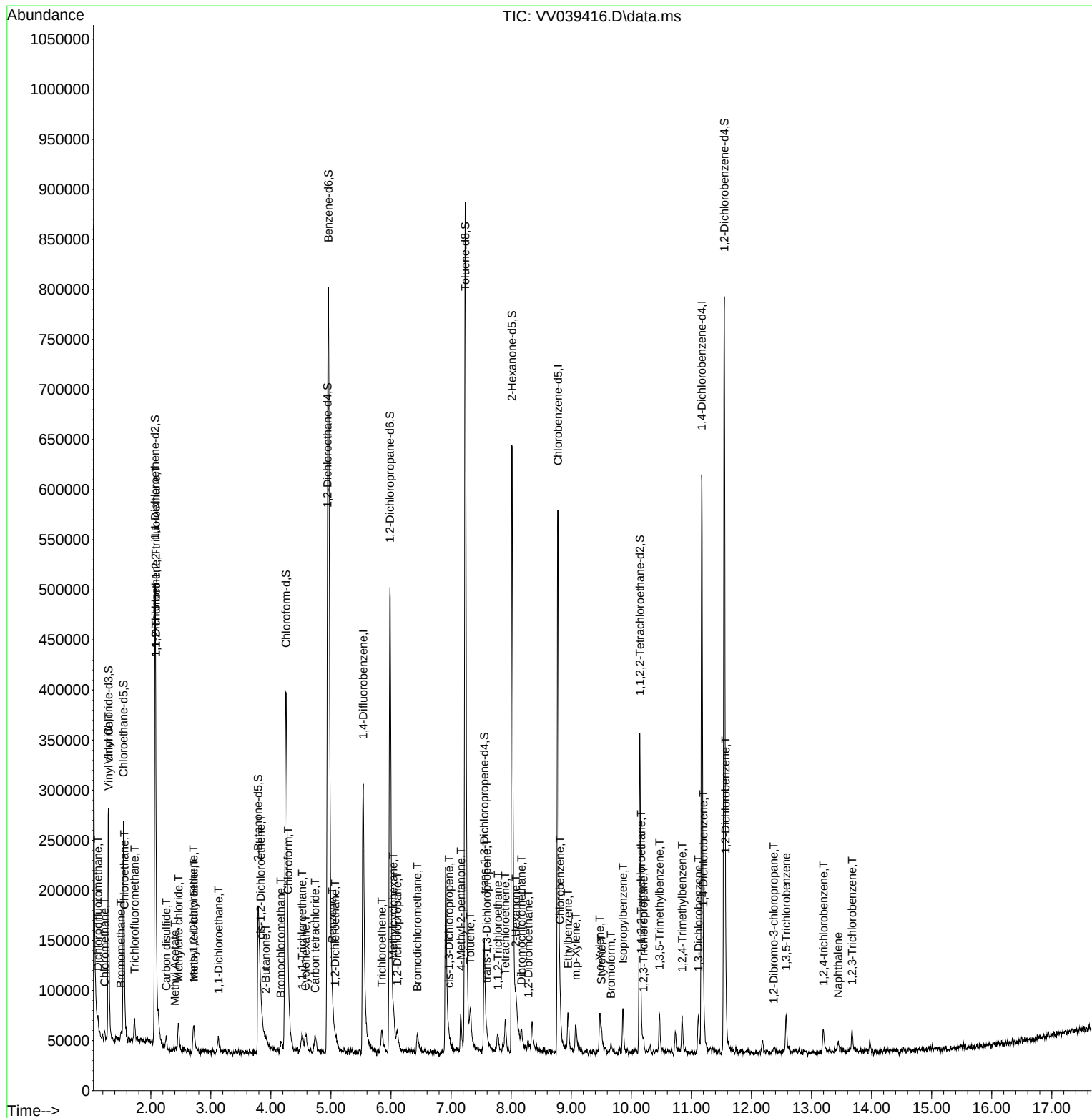
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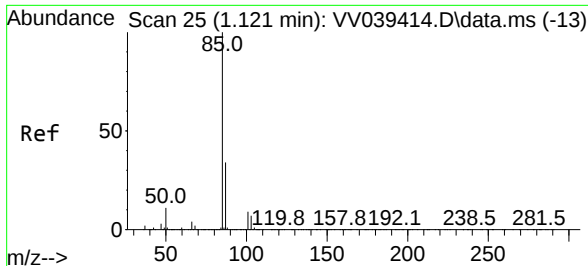
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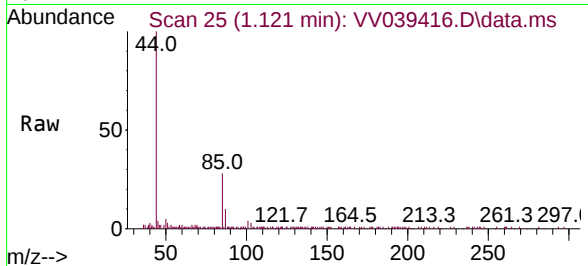
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#2
 Dichlorodifluoromethane
 Concen: 0.285 ug/L
 RT: 1.121 min Scan# 25
 Delta R.T. -0.000 min
 Lab File: VV039416.D
 Acq: 20 Nov 2025 10:19

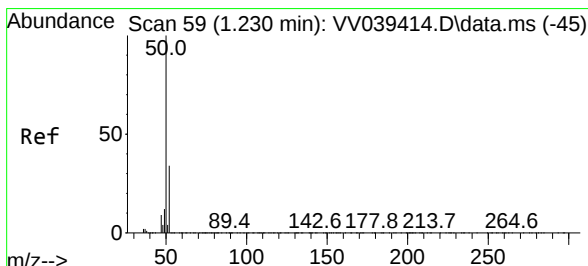
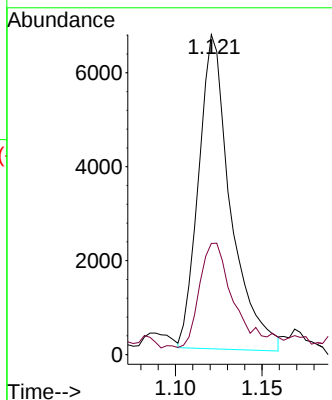
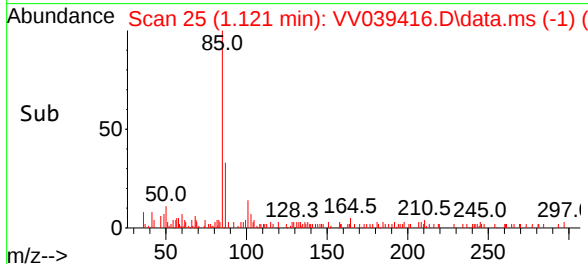
Instrument : MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2025-08



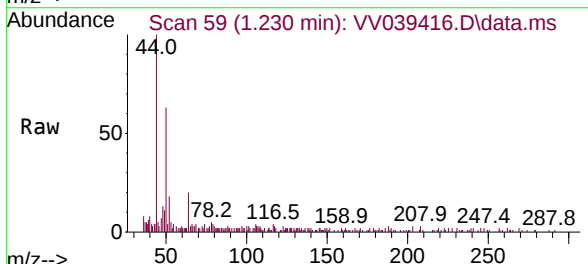
Tgt Ion: 85 Resp: 8610
 Ion Ratio Lower Upper
 85 100
 87 41.2 25.8 38.8

Manual Integrations
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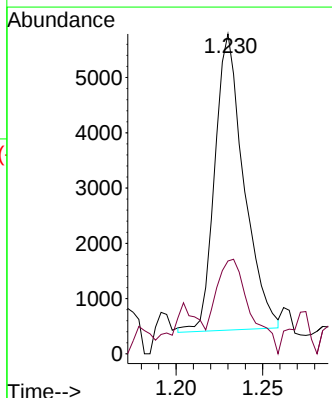
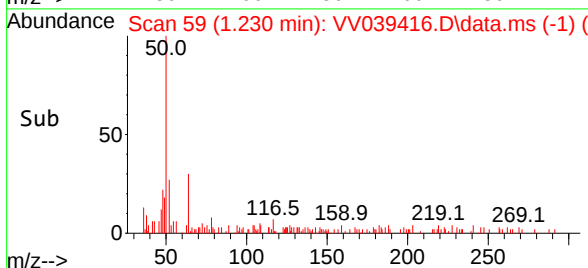
Reviewed By :Amit Patel 11/21/2025
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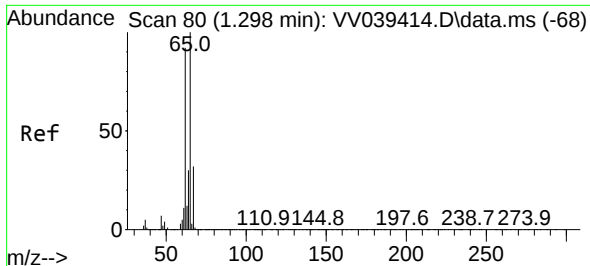


#3
 Chloromethane
 Concen: 0.280 ug/L
 RT: 1.230 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: VV039416.D
 Acq: 20 Nov 2025 10:19



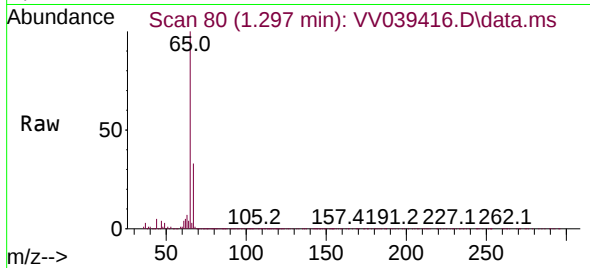
Tgt Ion: 50 Resp: 6248
 Ion Ratio Lower Upper
 50 100
 52 29.0 23.2 43.2





#5
 Vinyl chloride
 Concen: 0.287 ug/L m
 RT: 1.297 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VV039416.D
 Acq: 20 Nov 2025 10:19

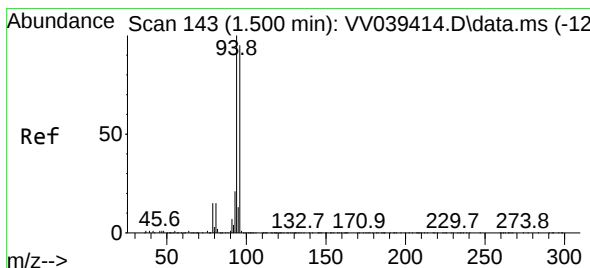
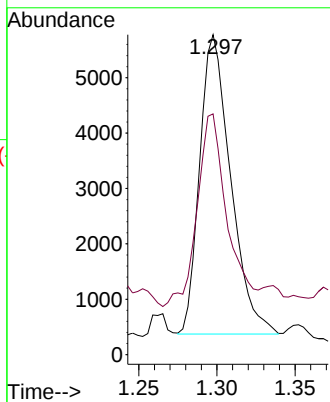
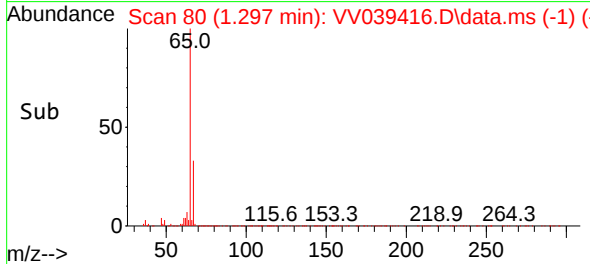
Instrument :
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Tgt Ion: 62 Resp: 7454
 Ion Ratio Lower Upper
 62 100
 64 75.2 23.7 44.1

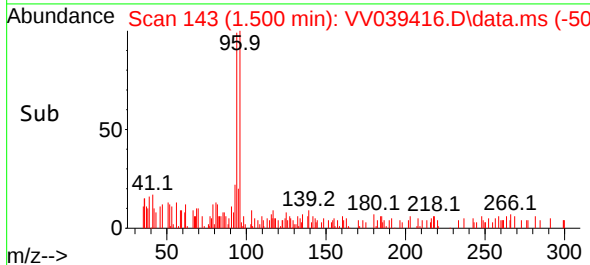
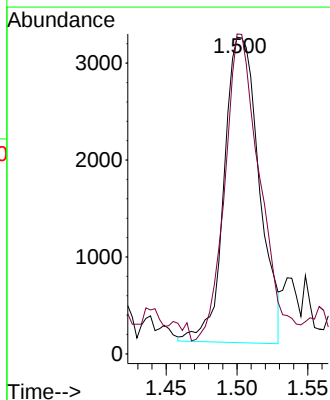
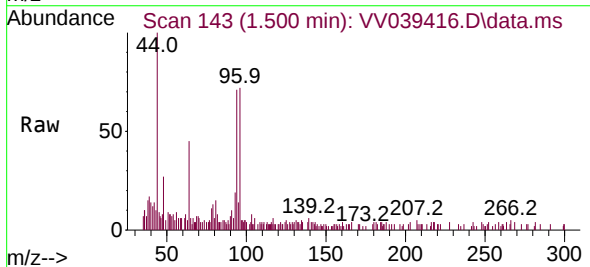
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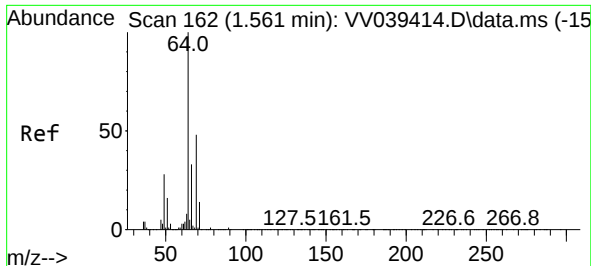
Reviewed By :Amit Patel 11/21/2025
 Supervised By :Mahesh Dadoda 11/21/2025



#6
 Bromomethane
 Concen: 0.362 ug/L
 RT: 1.500 min Scan# 143
 Delta R.T. -0.000 min
 Lab File: VV039416.D
 Acq: 20 Nov 2025 10:19

Tgt Ion: 94 Resp: 5422
 Ion Ratio Lower Upper
 94 100
 96 101.0 67.2 124.8





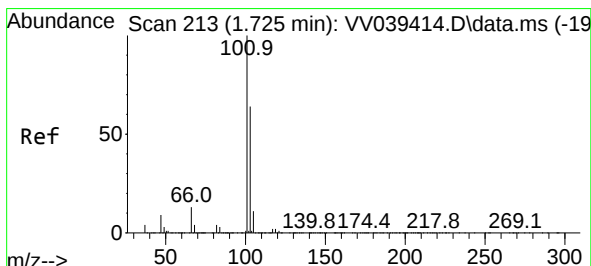
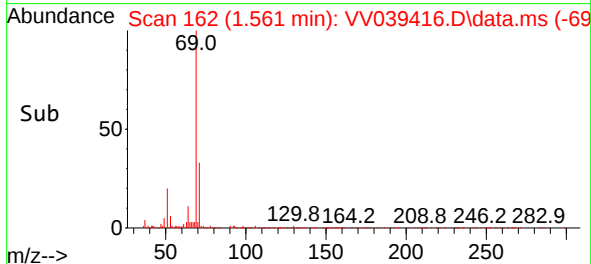
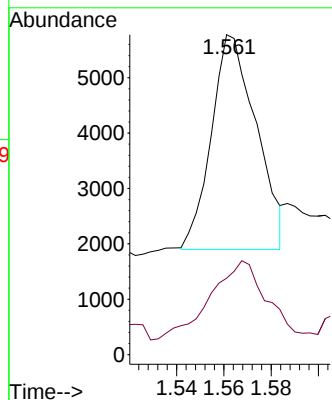
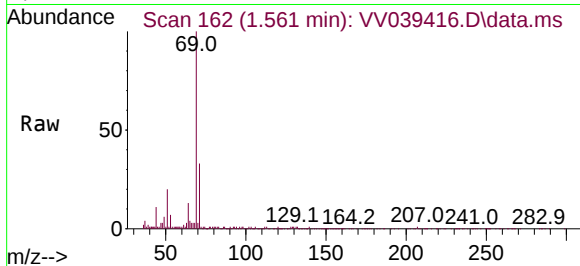
#8
Chloroethane
Concen: 0.269 ug/L m
RT: 1.561 min Scan# 10
Delta R.T. -0.000 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08

Tgt Ion: 64 Resp: 5128
Ion Ratio Lower Upper
64 100
66 23.9 22.0 41.0

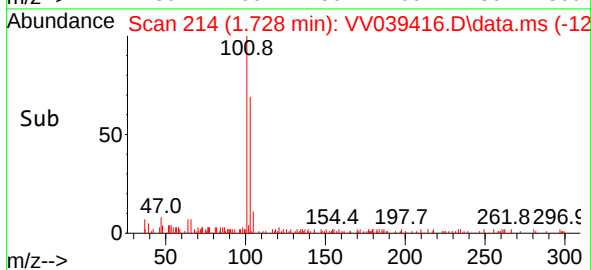
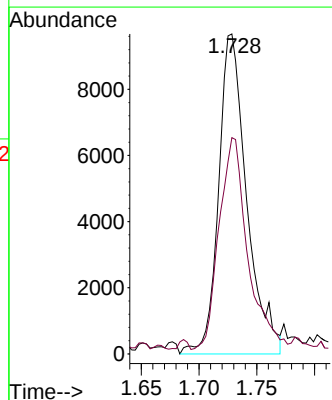
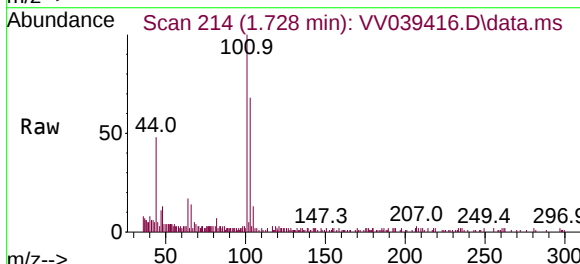
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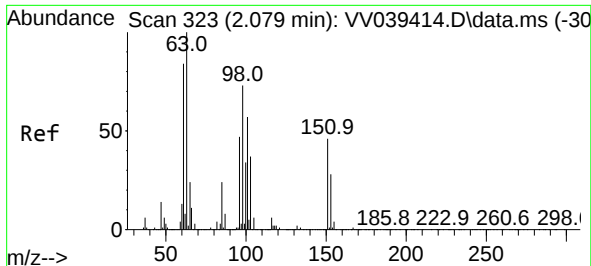
Reviewed By :Amit Patel 11/21/2025
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#9
Trichlorofluoromethane
Concen: 0.323 ug/L
RT: 1.728 min Scan# 214
Delta R.T. 0.003 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

Tgt Ion:101 Resp: 16382
Ion Ratio Lower Upper
101 100
103 66.4 51.4 77.2





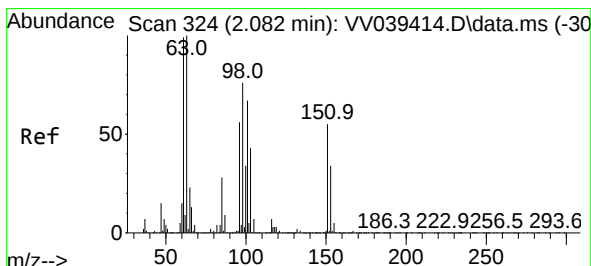
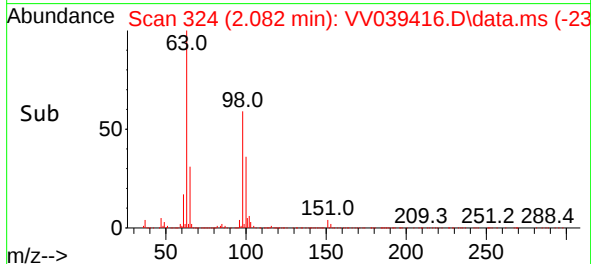
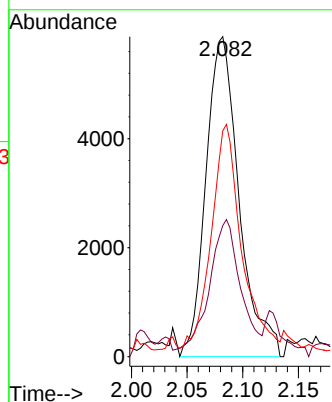
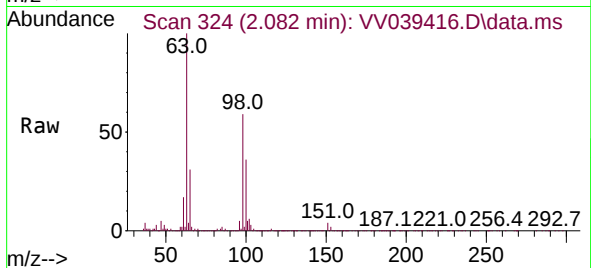
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.365 ug/L
RT: 2.082 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV039416.D
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Tgt Ion:101 Resp: 1215
Ion Ratio Lower Upper
101 100
85 36.5 34.0 51.0
151 62.4 62.3 93.5

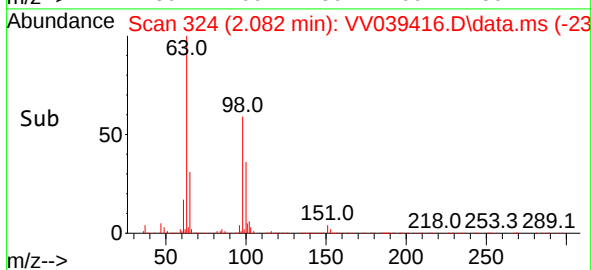
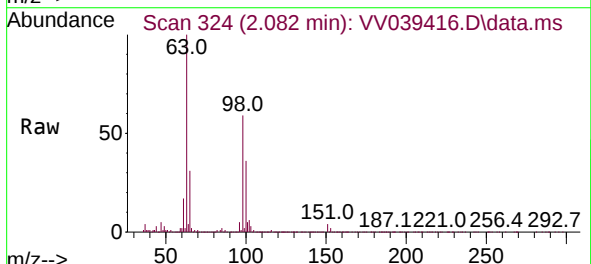
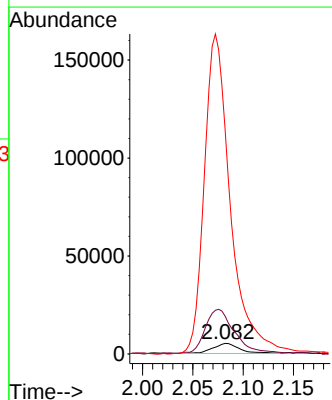
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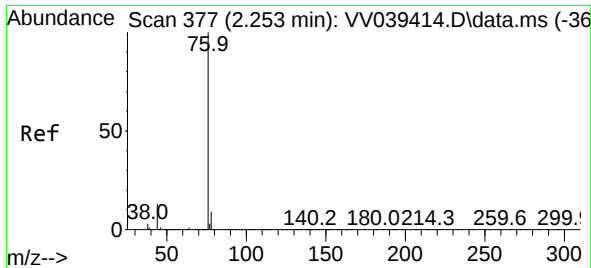
Reviewed By :Amit Patel 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#12
1,1-Dichloroethene
Concen: 0.401 ug/L
RT: 2.082 min Scan# 324
Delta R.T. -0.000 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

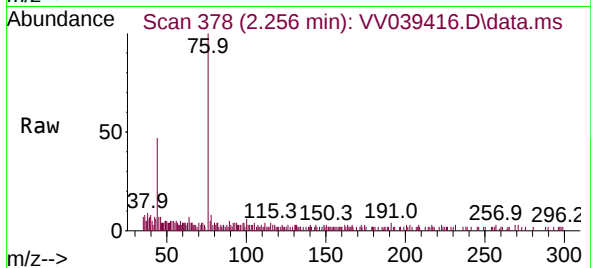
Tgt Ion: 96 Resp: 9554
Ion Ratio Lower Upper
96 100
61 357.5 127.7 237.1#
63 2123.4 132.6 246.2#





#14
Carbon disulfide
Concen: 0.322 ug/L
RT: 2.256 min Scan# 31
Delta R.T. 0.003 min
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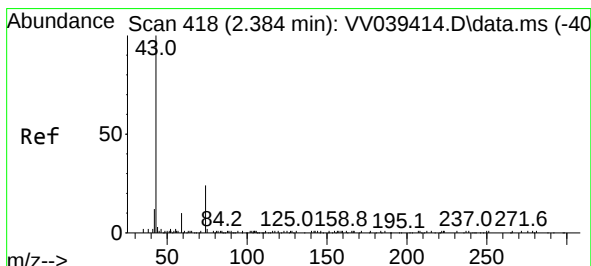
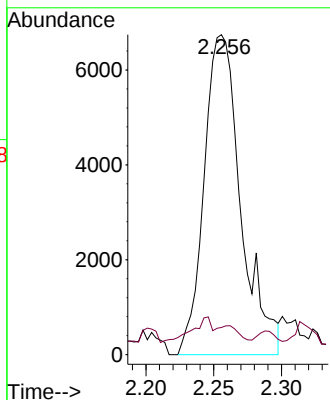
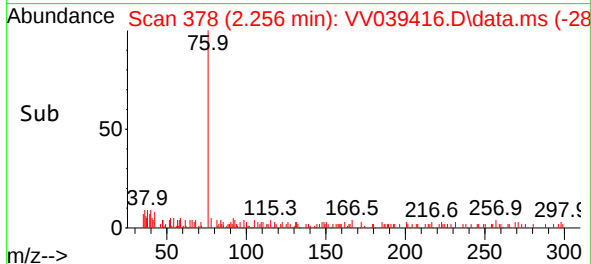
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Tgt Ion: 76 Resp: 12734
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7

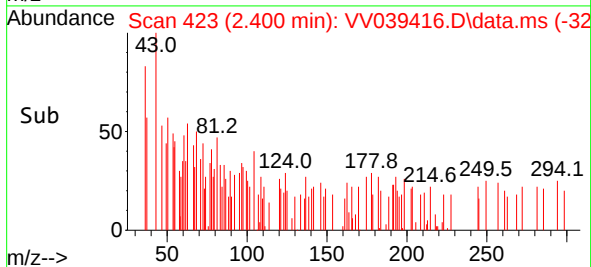
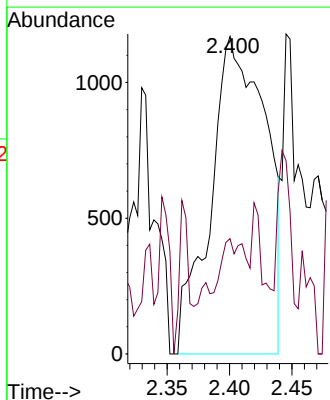
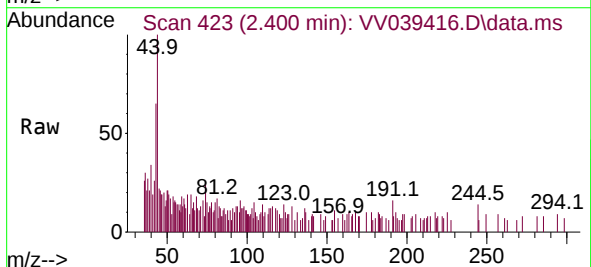
Manual Integrations
APPROVED

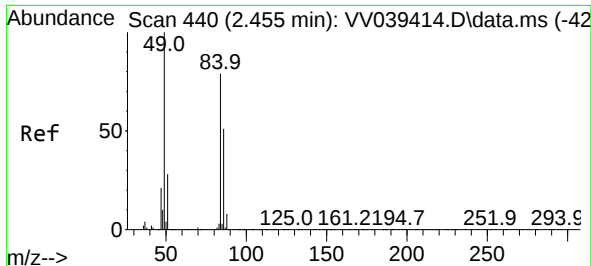
Reviewed By :Amit Patel 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#15
Methyl Acetate
Concen: 0.347 ug/L
RT: 2.400 min Scan# 423
Delta R.T. 0.016 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

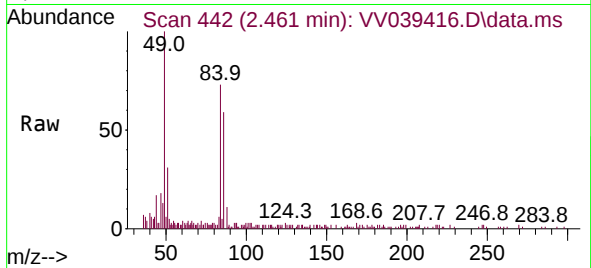
Tgt Ion: 43 Resp: 3580
Ion Ratio Lower Upper
43 100
74 13.3 14.5 21.7#





#16
Methylene chloride
Concen: 0.409 ug/L
RT: 2.461 min Scan# 440
Delta R.T. 0.006 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

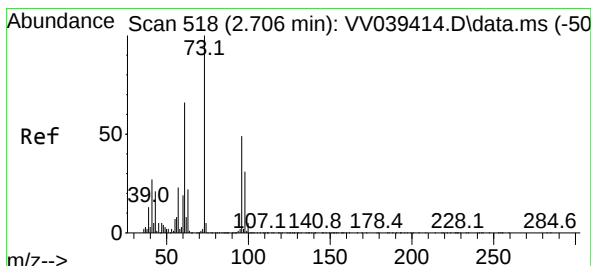
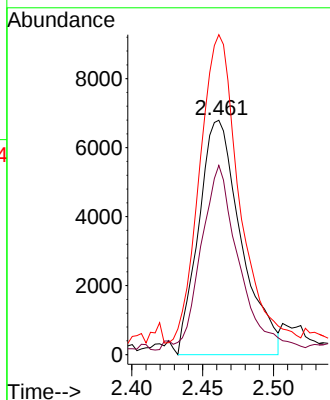
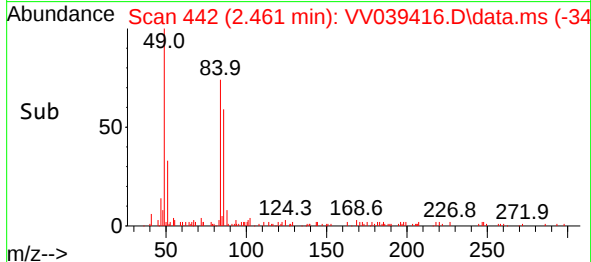
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08



Tgt Ion: 84 Resp: 14108
Ion Ratio Lower Upper
84 100
86 80.7 46.8 87.0
49 136.5 93.0 172.8

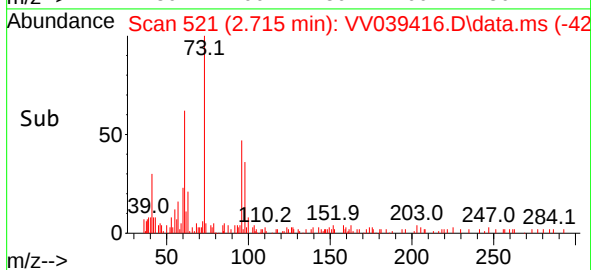
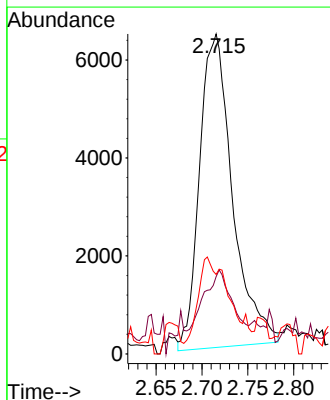
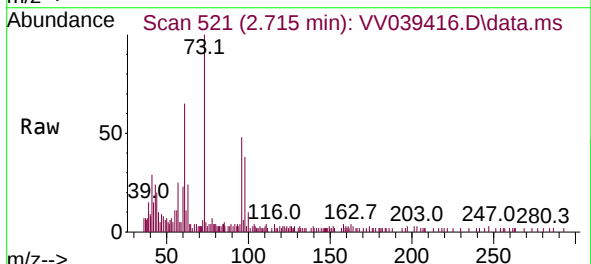
Manual Integrations
APPROVED

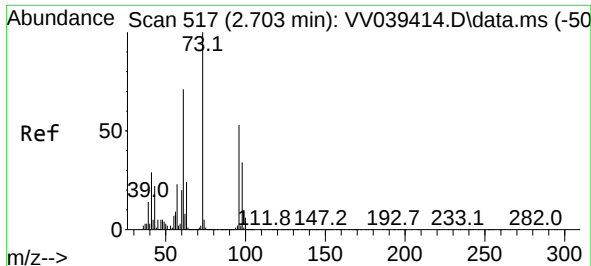
Reviewed By :Amit Patel 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#17
Methyl tert-butyl Ether
Concen: 0.279 ug/L
RT: 2.715 min Scan# 521
Delta R.T. 0.010 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

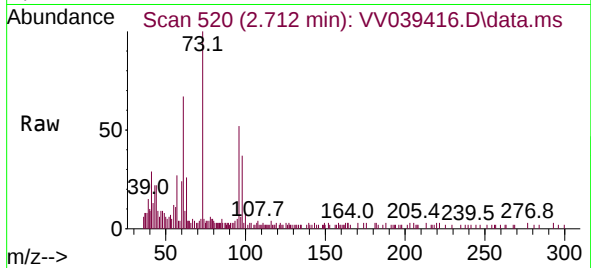
Tgt Ion: 73 Resp: 15996
Ion Ratio Lower Upper
73 100
43 20.7 17.4 26.2
57 13.9 18.8 28.2#





#18
trans-1,2-Dichloroethene
Concen: 0.279 ug/L
RT: 2.712 min Scan# 517
Delta R.T. 0.010 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

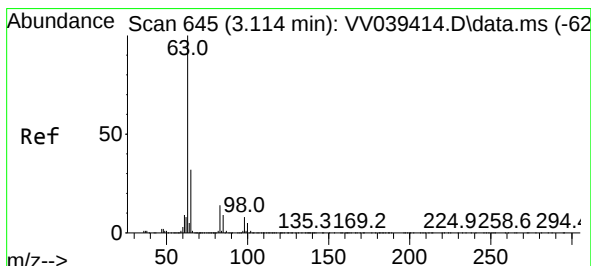
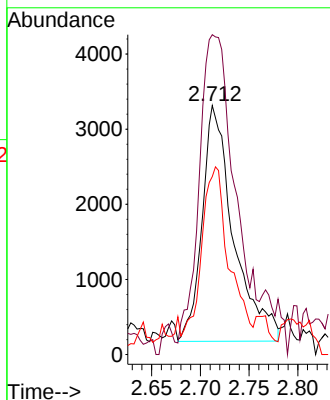
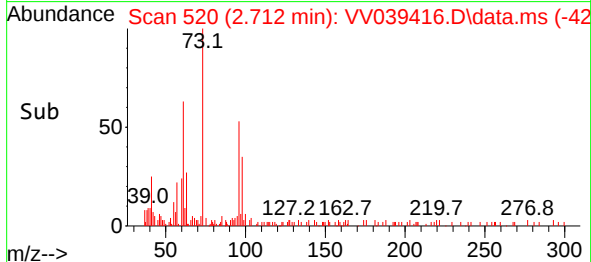
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-08



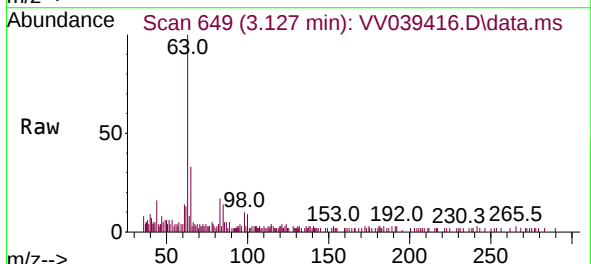
Tgt Ion: 96 Resp: 7054
Ion Ratio Lower Upper
96 100
61 128.5 94.7 175.9
98 71.5 44.2 82.0

Manual Integrations
APPROVED

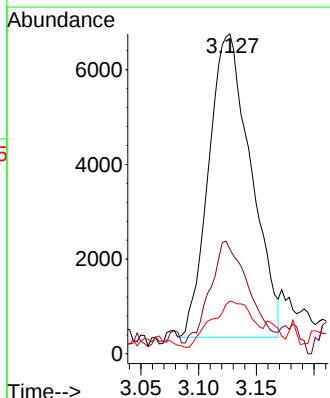
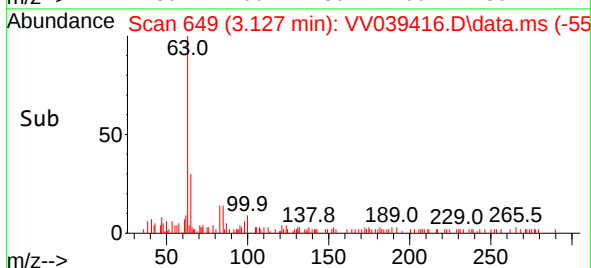
Reviewed By :Amit Patel 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

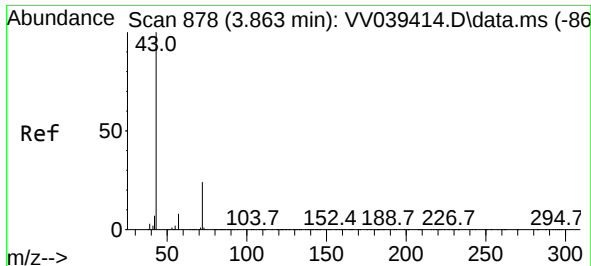


#19
1,1-Dichloroethane
Concen: 0.258 ug/L
RT: 3.127 min Scan# 649
Delta R.T. 0.013 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19



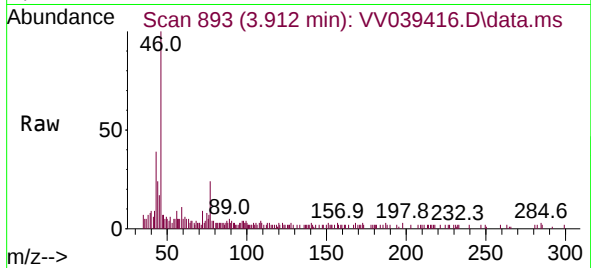
Tgt Ion: 63 Resp: 16307
Ion Ratio Lower Upper
63 100
65 36.2 22.9 42.5
83 16.5 9.2 17.2





#21
2-Butanone
Concen: 2.734 ug/L m
RT: 3.912 min Scan# 893
Delta R.T. 0.048 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

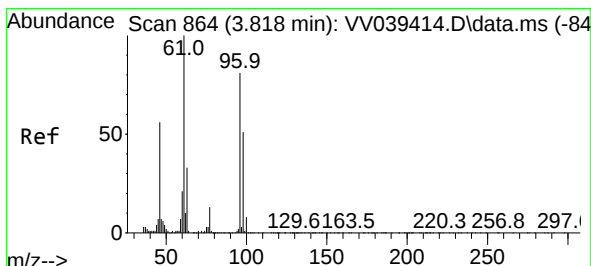
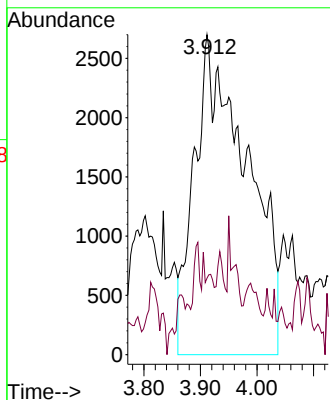
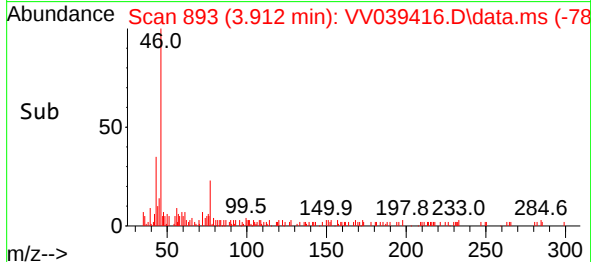
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08



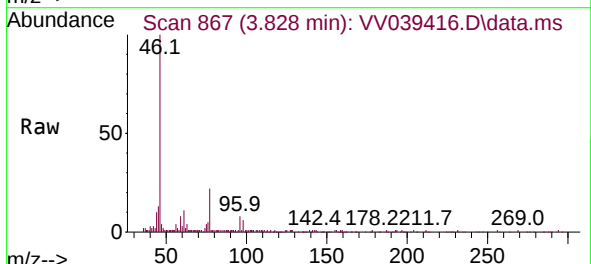
Tgt Ion: 43 Resp: 1739
Ion Ratio Lower Upper
43 100
72 0.4 11.7 35.0

Manual Integrations
APPROVED

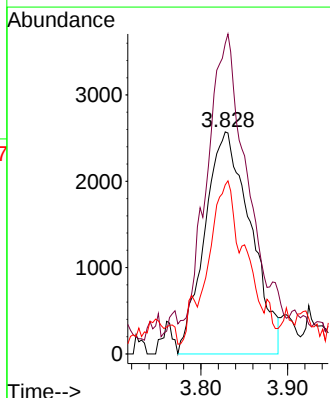
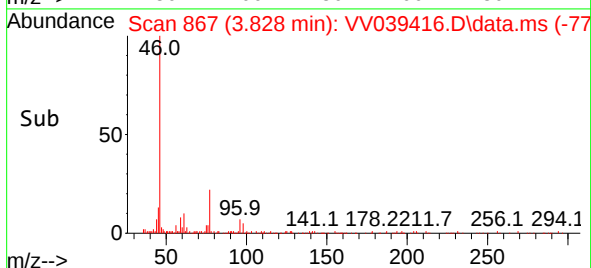
Reviewed By :Amit Patel 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

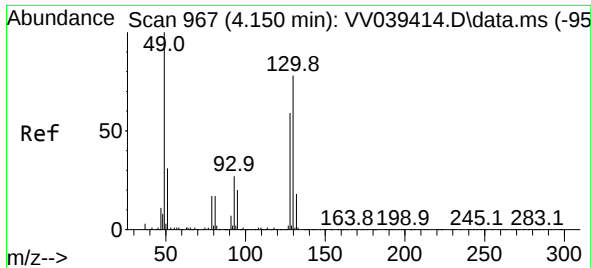


#22
cis-1,2-Dichloroethene
Concen: 0.306 ug/L
RT: 3.828 min Scan# 867
Delta R.T. 0.010 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19



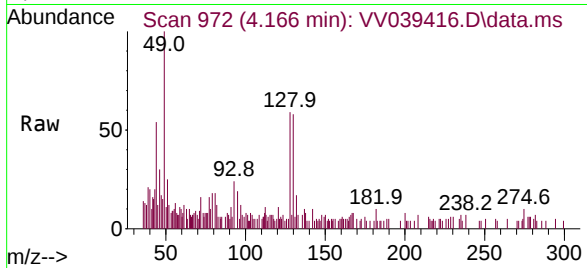
Tgt Ion: 96 Resp: 9434
Ion Ratio Lower Upper
96 100
61 139.8 87.1 161.7
98 76.1 44.7 83.1





#23
Bromochloromethane
Concen: 0.288 ug/L m
RT: 4.166 min Scan# 91
Delta R.T. 0.016 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

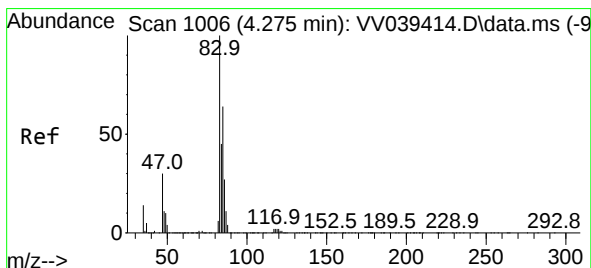
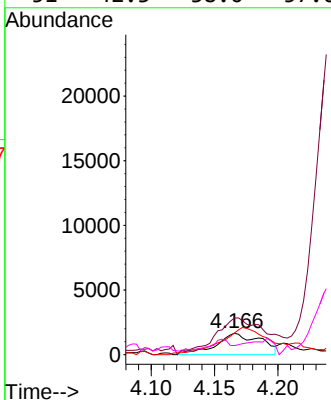
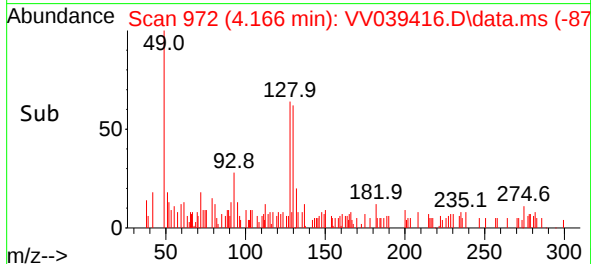
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08



Tgt Ion:128 Resp: 403
Ion Ratio Lower Upper
128 100
49 170.7 110.7 205.5
130 99.8 88.2 163.8
51 42.3 38.0 57.0

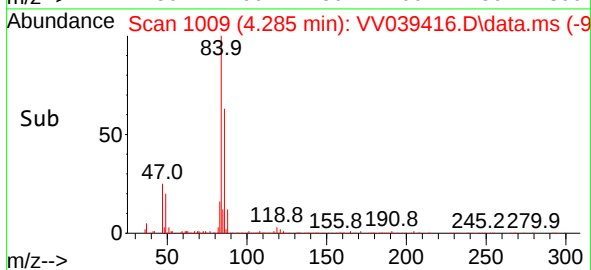
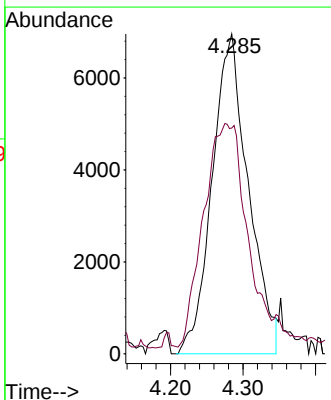
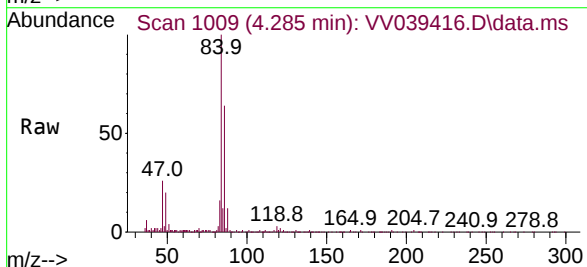
Manual Integrations
APPROVED

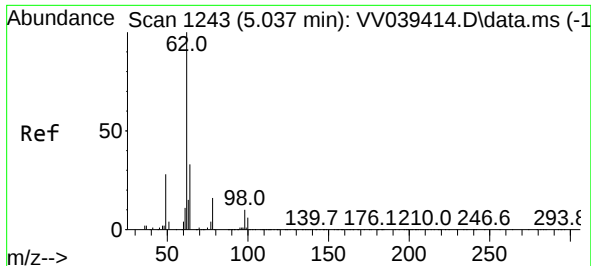
Reviewed By :Amit Patel 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#25
Chloroform
Concen: 0.349 ug/L
RT: 4.285 min Scan# 1009
Delta R.T. 0.010 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

Tgt Ion: 83 Resp: 24097
Ion Ratio Lower Upper
83 100
85 70.6 46.2 85.8





#27

1,2-Dichloroethane

Concen: 0.320 ug/L m

RT: 5.066 min Scan# 11204

Delta R.T. 0.029 min

Lab File: VV039416.D

Acq: 20 Nov 2025 10:19

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-08

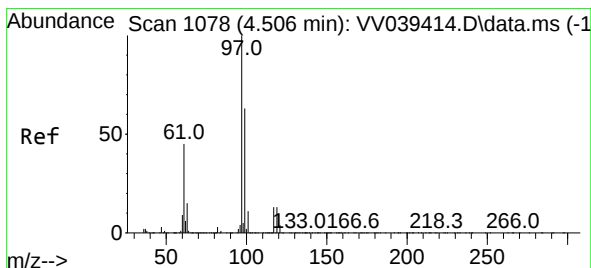
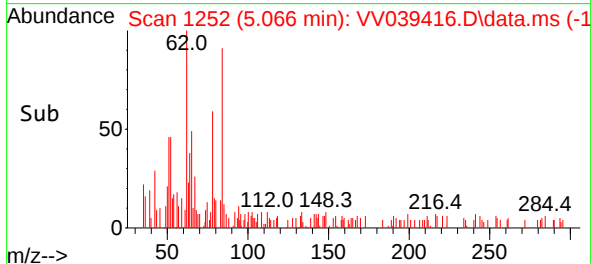
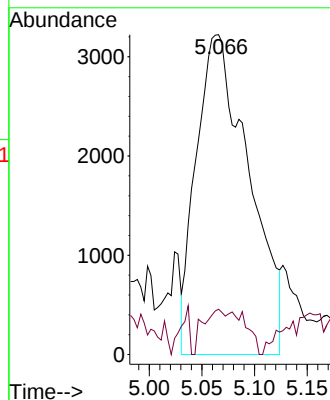
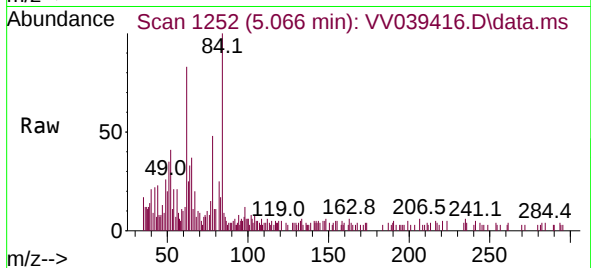
Tgt Ion: 62 Resp: 11204
 Ion Ratio Lower Upper
 62 100
 98 14.1 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/21/2025

Supervised By :Mahesh Dadoda 11/21/2025



#29

1,1,1-Trichloroethane

Concen: 0.324 ug/L

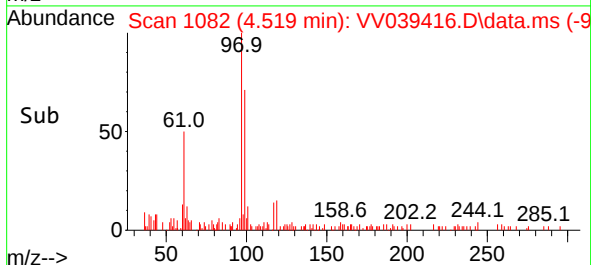
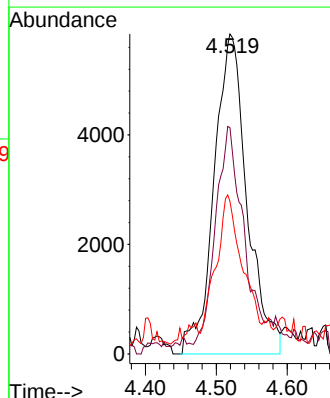
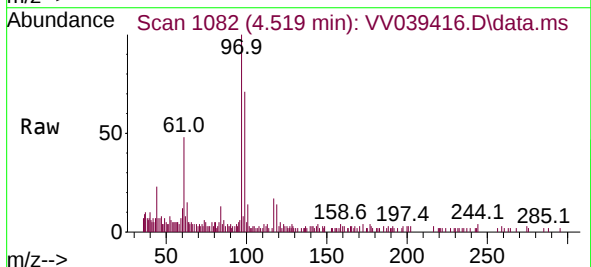
RT: 4.519 min Scan# 1082

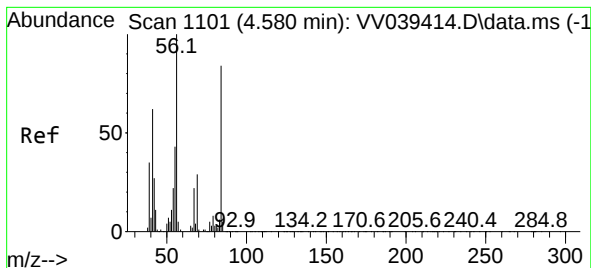
Delta R.T. 0.013 min

Lab File: VV039416.D

Acq: 20 Nov 2025 10:19

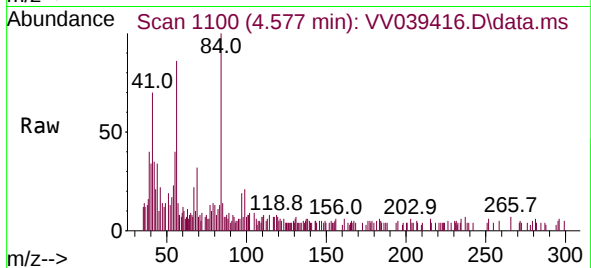
Tgt Ion: 97 Resp: 18907
 Ion Ratio Lower Upper
 97 100
 99 55.9 51.1 76.7
 61 34.1 36.6 55.0





#30
Cyclohexane
Concen: 0.244 ug/L m
RT: 4.577 min Scan# 1100
Delta R.T. -0.003 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

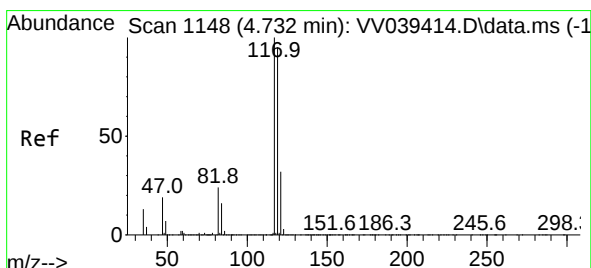
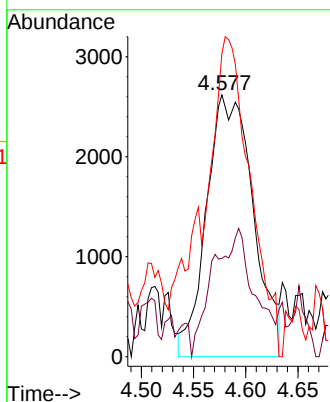
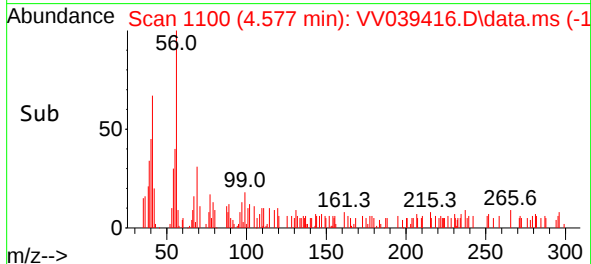
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-08



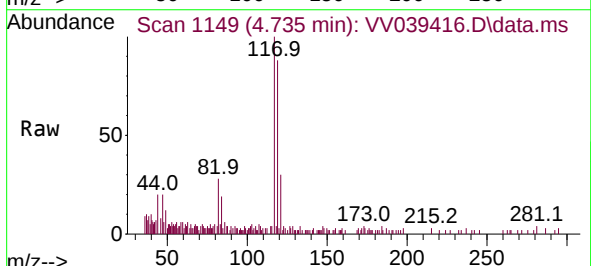
Tgt Ion: 56 Resp: 8126
Ion Ratio Lower Upper
56 100
69 14.4 23.7 35.5
84 98.9 72.6 109.0

Manual Integrations
APPROVED

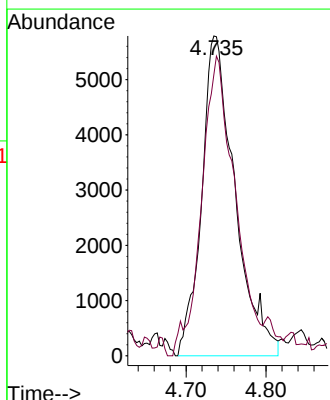
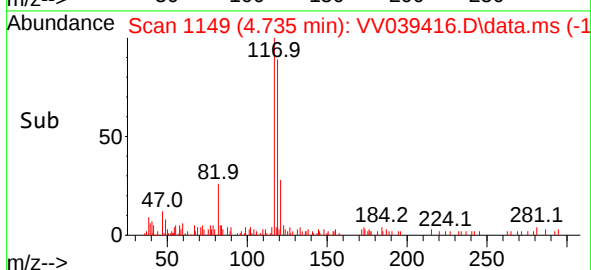
Reviewed By :Amit Patel 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

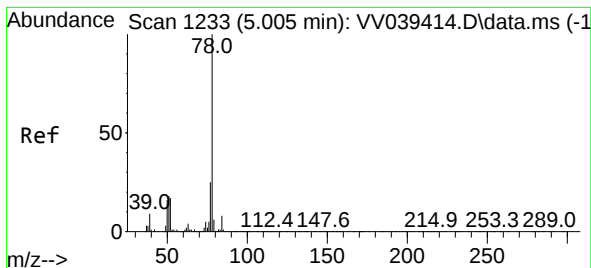


#31
Carbon tetrachloride
Concen: 0.326 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19



Tgt Ion:117 Resp: 16768
Ion Ratio Lower Upper
117 100
119 86.5 75.4 113.2





#33

Benzene

Concen: 0.271 ug/L

RT: 5.021 min Scan# 11

Delta R.T. 0.016 min

Lab File: VV039416.D

Acq: 20 Nov 2025 10:19

Instrument :

MSVOA_V

ClientSampleId :

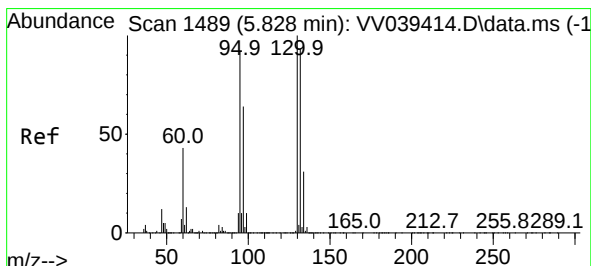
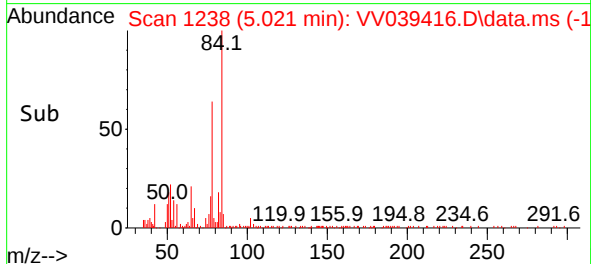
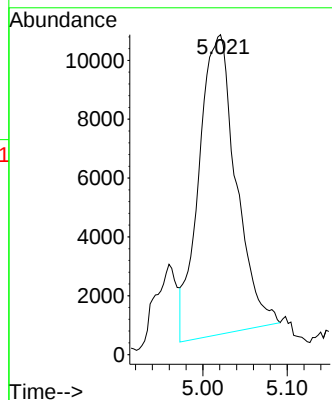
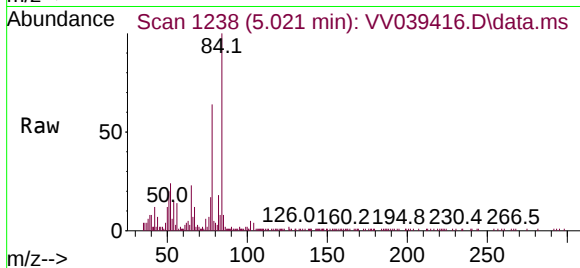
MDL-WATER-QT4-2025-08

Tgt Ion: 78 Resp: 3126

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/21/2025

Supervised By :Mahesh Dadoda 11/21/2025



#34

Trichloroethene

Concen: 0.294 ug/L

RT: 5.847 min Scan# 1495

Delta R.T. 0.019 min

Lab File: VV039416.D

Acq: 20 Nov 2025 10:19

Tgt Ion: 95 Resp: 9278

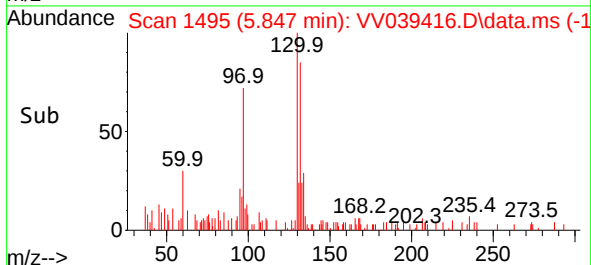
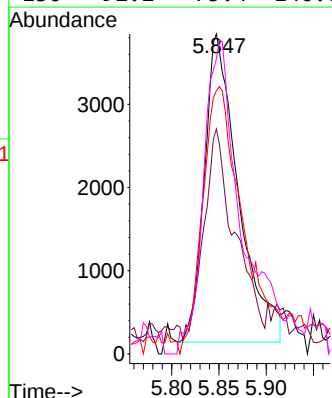
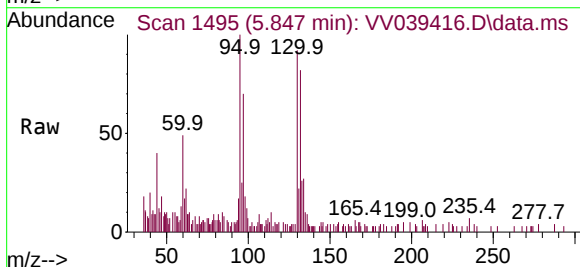
Ion Ratio Lower Upper

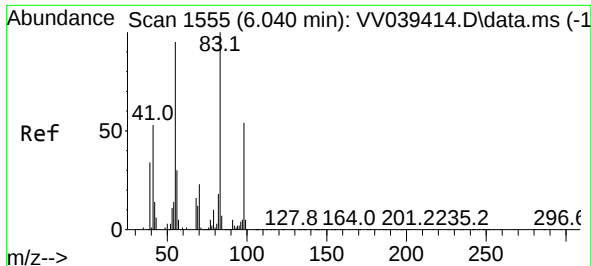
95 100

97 70.3 42.7 79.3

132 82.3 72.0 133.6

130 92.2 75.4 140.0





#35

Methylcyclohexane

Concen: 0.287 ug/L m

RT: 6.037 min Scan# 1555

Delta R.T. -0.003 min

Lab File: VV039416.D

Acq: 20 Nov 2025 10:19

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-08

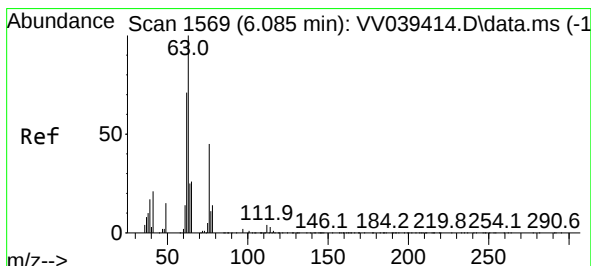
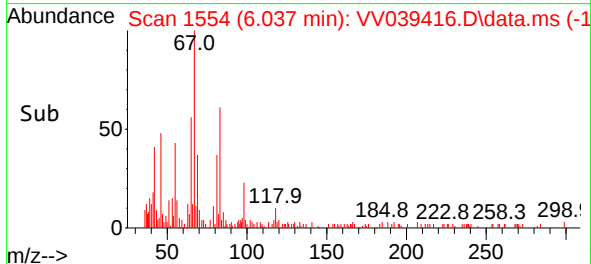
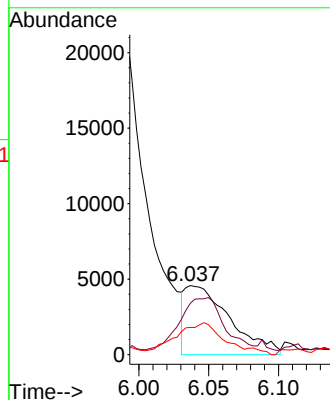
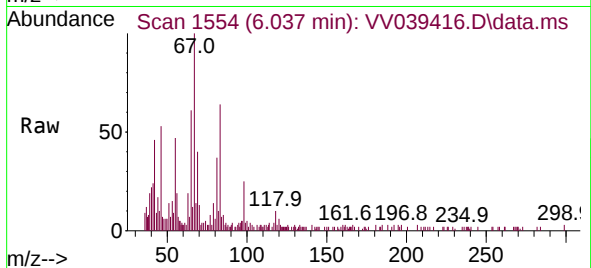
Tgt Ion: 83	Resp: 1018
Ion Ratio	Lower Upper
83 100	
55 7.5	64.0 96.0
98 9.5	37.0 55.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/21/2025

Supervised By :Mahesh Dadoda 11/21/2025



#37

1,2-Dichloropropane

Concen: 0.246 ug/L

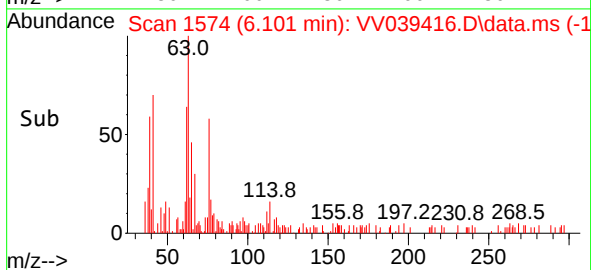
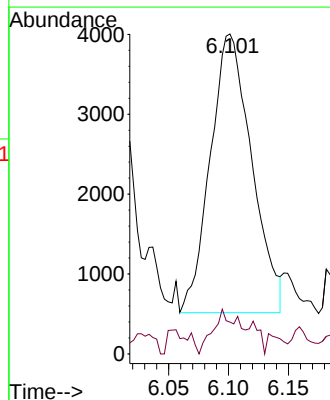
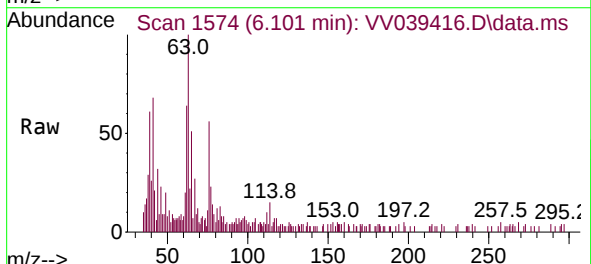
RT: 6.101 min Scan# 1574

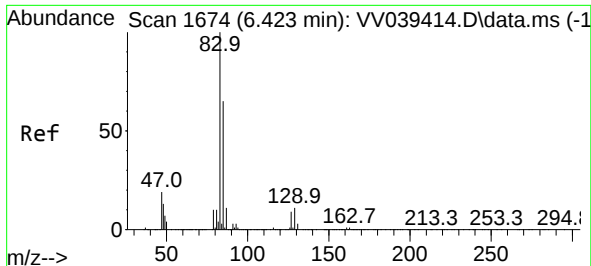
Delta R.T. 0.016 min

Lab File: VV039416.D

Acq: 20 Nov 2025 10:19

Tgt Ion: 63	Resp: 8397
Ion Ratio	Lower Upper
63 100	
112 9.5	4.4 6.6





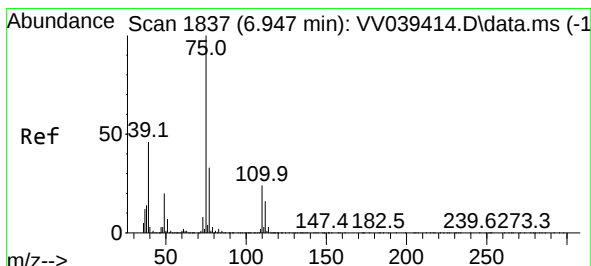
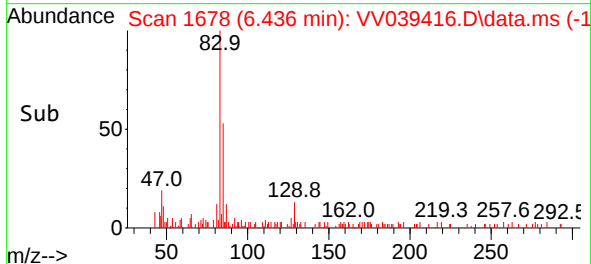
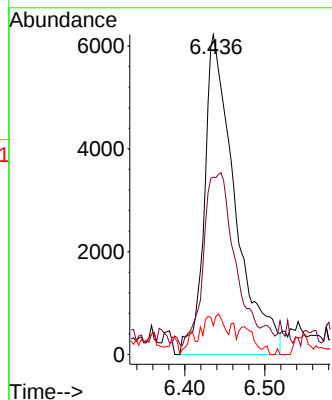
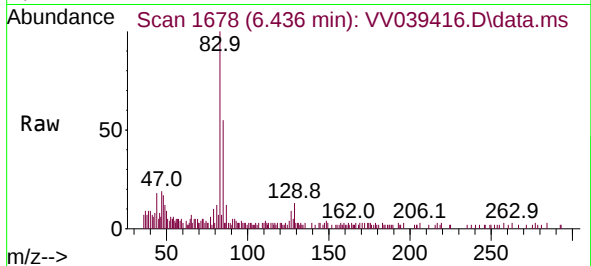
#38
Bromodichloromethane
Concen: 0.348 ug/L
RT: 6.436 min Scan# 1649
Delta R.T. 0.013 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	55.5	43.8	81.4
127	9.0	7.3	10.9

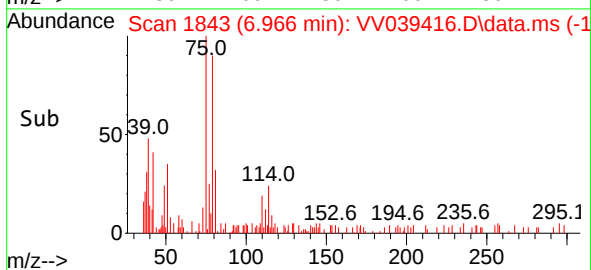
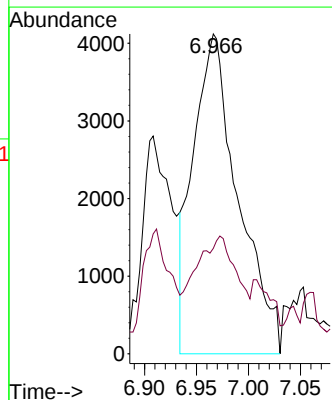
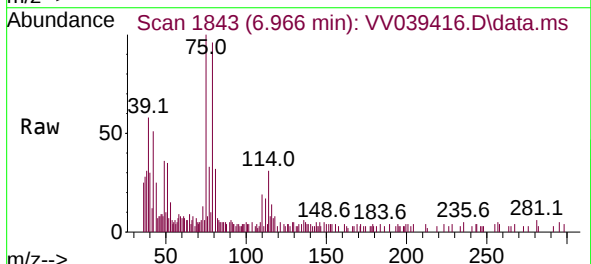
Manual Integrations
APPROVED

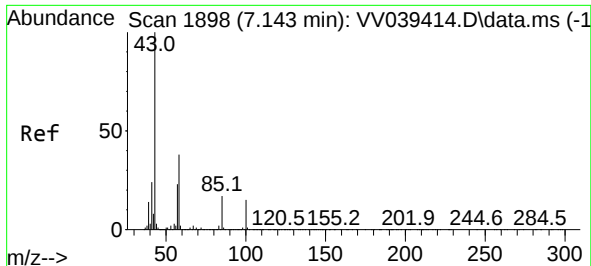
Reviewed By :Amit Patel 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#39
cis-1,3-Dichloropropene
Concen: 0.286 ug/L
RT: 6.966 min Scan# 1843
Delta R.T. 0.019 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

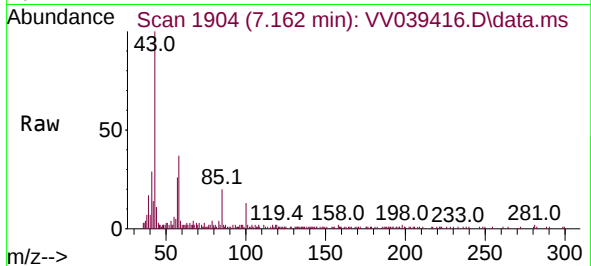
Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.0	23.2	43.0





#40
4-Methyl-2-pentanone
Concen: 2.450 ug/L m
RT: 7.162 min Scan# 1904
Delta R.T. 0.019 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

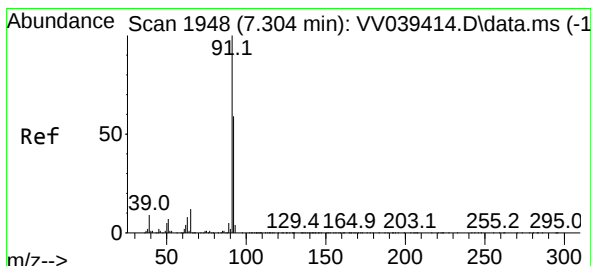
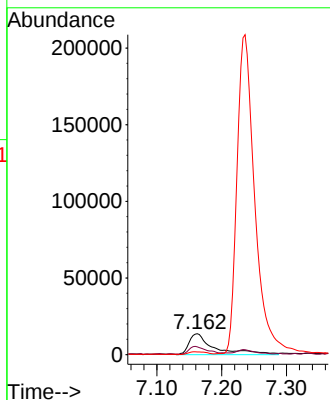
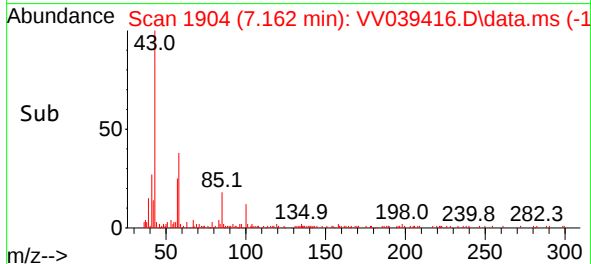
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-08



Tgt Ion: 43 Resp: 37173
Ion Ratio Lower Upper
43 100
58 28.6 29.6 44.4
100 0.0 11.4 17.0

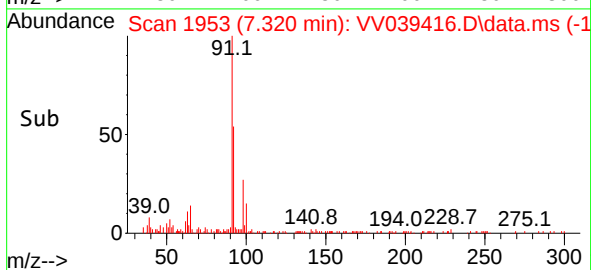
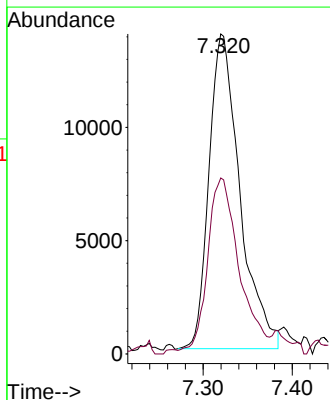
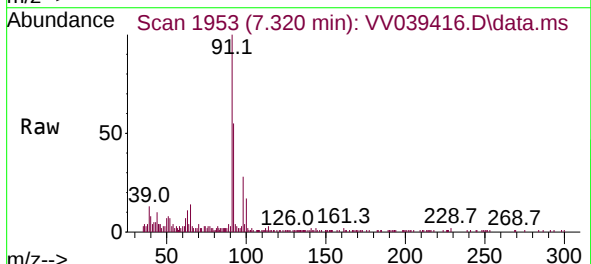
Manual Integrations
APPROVED

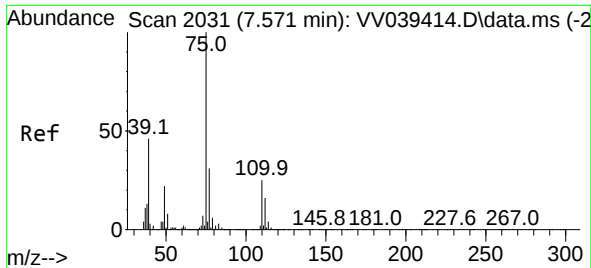
Reviewed By :Amit Patel 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#42
Toluene
Concen: 0.272 ug/L
RT: 7.320 min Scan# 1953
Delta R.T. 0.016 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

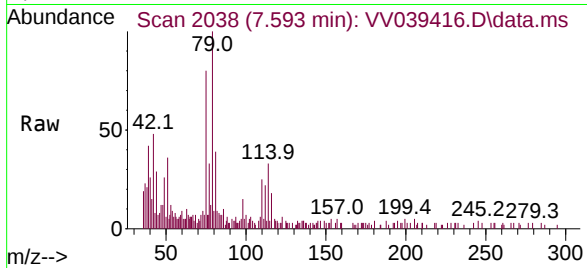
Tgt Ion: 91 Resp: 33490
Ion Ratio Lower Upper
91 100
92 55.0 40.3 74.8





#44
trans-1,3-Dichloropropene
Concen: 0.247 ug/L
RT: 7.593 min Scan# 2031
Delta R.T. 0.022 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

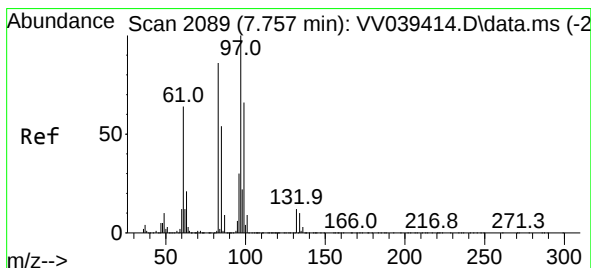
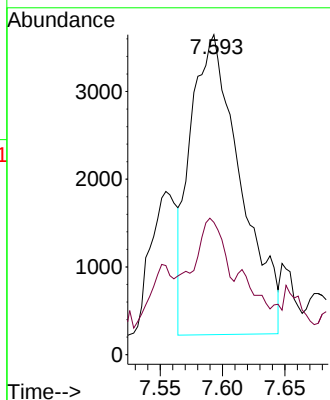
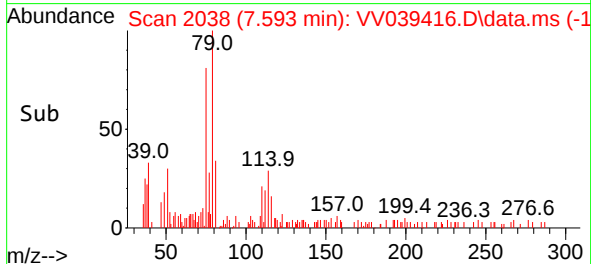
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-08



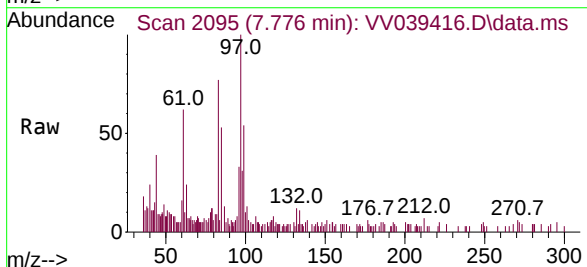
Tgt Ion: 75 Resp: 9538
Ion Ratio Lower Upper
75 100
77 41.3 22.9 42.5

Manual Integrations
APPROVED

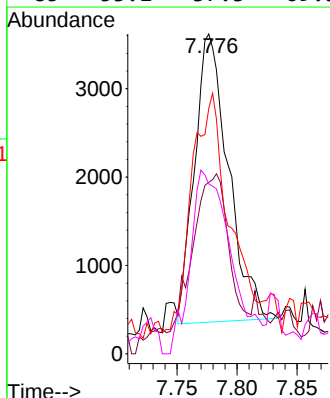
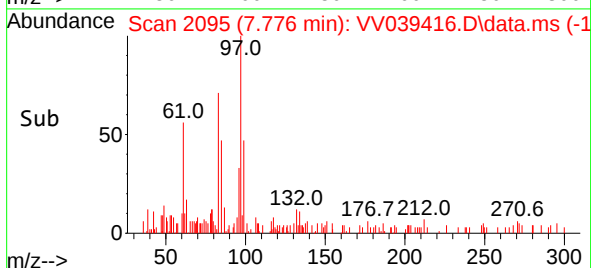
Reviewed By :Amit Patel 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

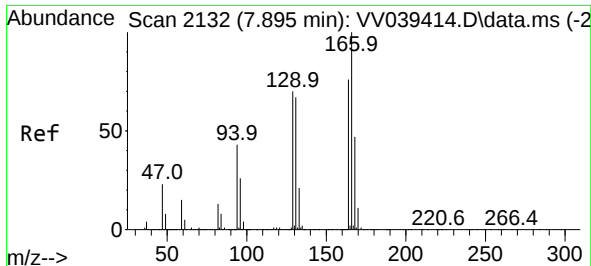


#45
1,1,2-Trichloroethane
Concen: 0.255 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.019 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19



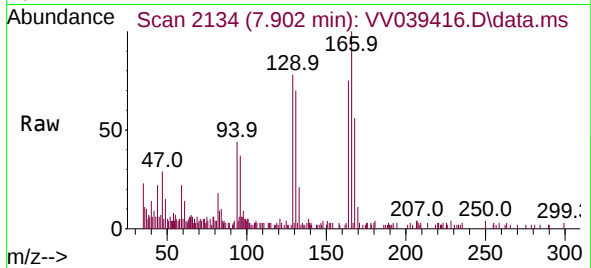
Tgt Ion: 97 Resp: 6378
Ion Ratio Lower Upper
97 100
99 53.6 40.8 75.8
83 76.7 59.8 111.1
85 53.1 37.3 69.3





#47
Tetrachloroethene
Concen: 0.318 ug/L
RT: 7.902 min Scan# 2132
Delta R.T. 0.006 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

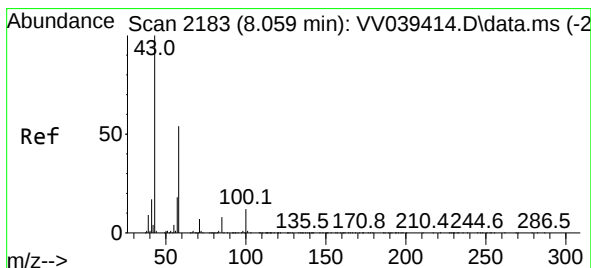
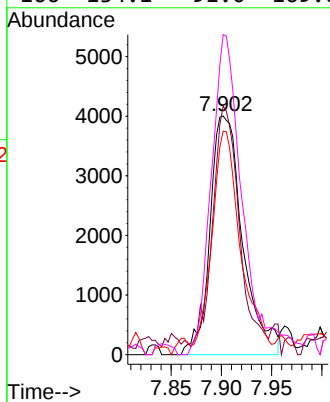
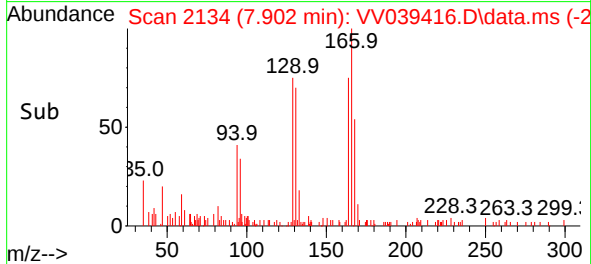
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08



Tgt Ion:164 Resp: 9021
Ion Ratio Lower Upper
164 100
129 104.2 65.8 122.2
131 93.7 62.6 116.2
166 134.1 91.0 169.0

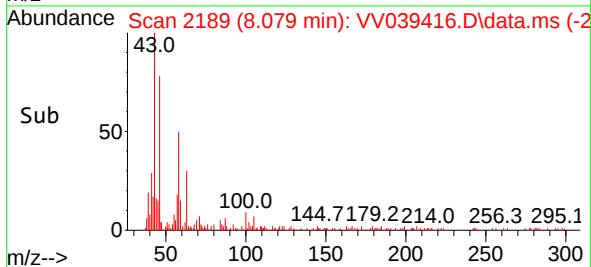
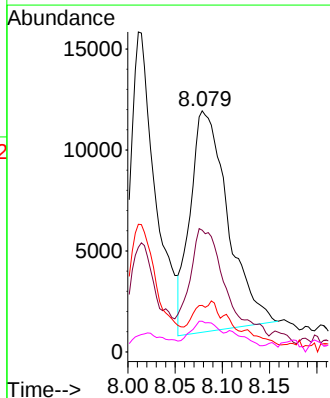
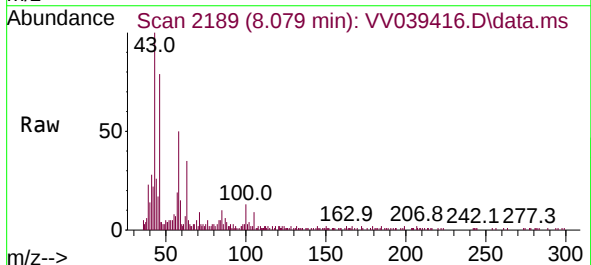
Manual Integrations
APPROVED

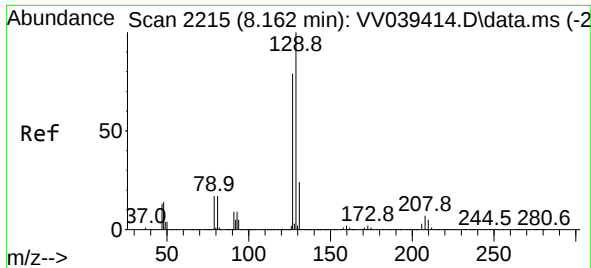
Reviewed By :Amit Patel 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#48
2-Hexanone
Concen: 2.703 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.019 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

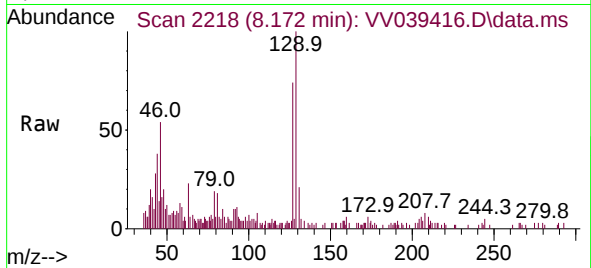
Tgt Ion: 43 Resp: 30449
Ion Ratio Lower Upper
43 100
58 53.2 43.4 65.2
57 11.7 15.0 22.6#
100 5.9 9.3 13.9#





#49
 Dibromochloromethane
 Concen: 0.320 ug/L
 RT: 8.172 min Scan# 2215
 Delta R.T. 0.010 min
 Lab File: VV039416.D
 Acq: 20 Nov 2025 10:19

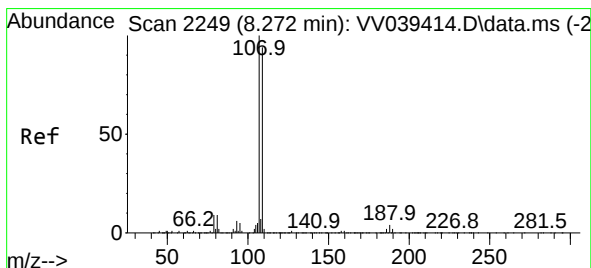
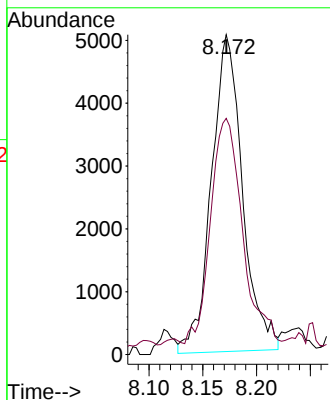
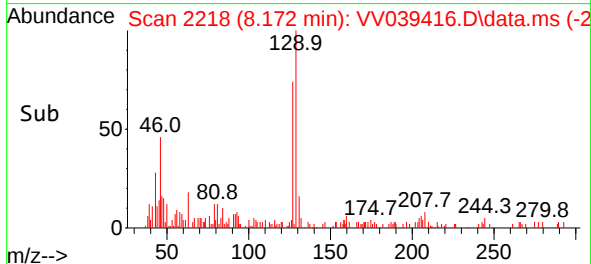
Instrument : MSVOA_V
 ClientSampleId : MDL-WATER-QT4-2025-08



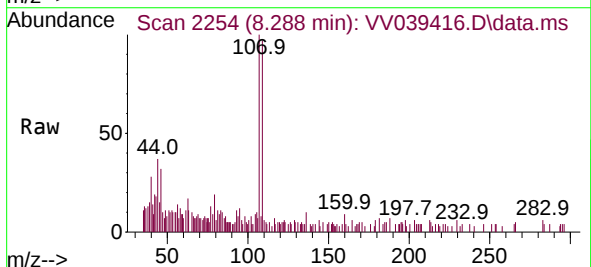
Tgt Ion:129 Resp: 10140
 Ion Ratio Lower Upper
 129 100
 127 73.8 54.6 101.4

Manual Integrations
 APPROVED

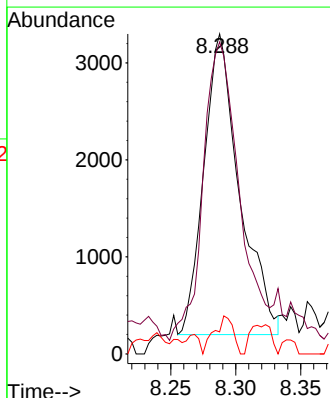
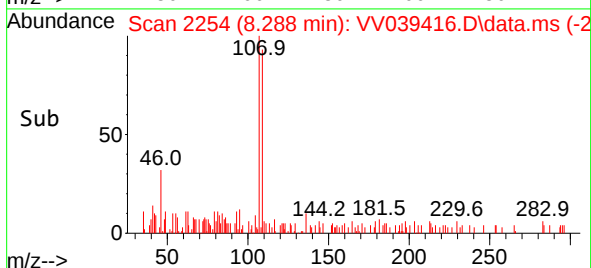
Reviewed By :Amit Patel 11/21/2025
 Supervised By :Mahesh Dadoda 11/21/2025

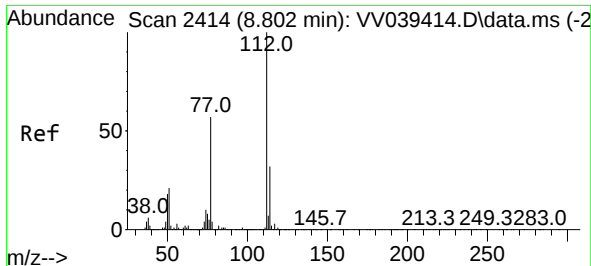


#50
 1,2-Dibromoethane
 Concen: 0.282 ug/L
 RT: 8.288 min Scan# 2254
 Delta R.T. 0.016 min
 Lab File: VV039416.D
 Acq: 20 Nov 2025 10:19



Tgt Ion:107 Resp: 5922
 Ion Ratio Lower Upper
 107 100
 109 97.5 69.1 128.3
 188 6.9 3.6 5.4#





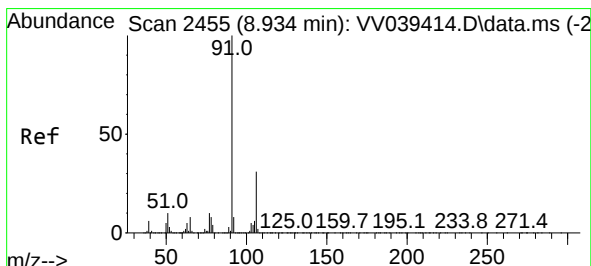
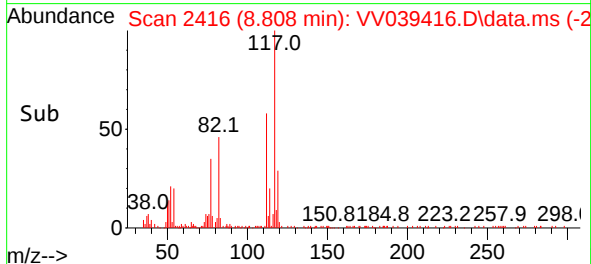
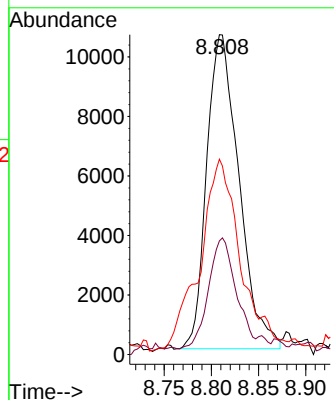
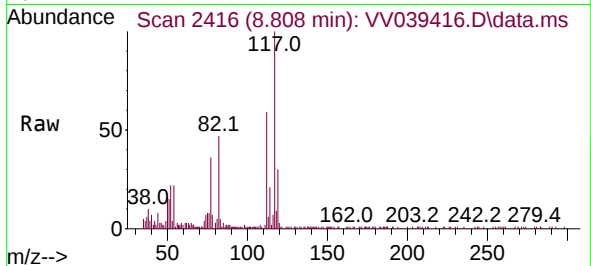
#51
Chlorobenzene
Concen: 0.283 ug/L
RT: 8.808 min Scan# 2414
Delta R.T. 0.006 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08

Tgt Ion: 112 Resp: 25136
Ion Ratio Lower Upper
112 100
114 35.5 22.3 41.3
77 61.1 45.3 67.9

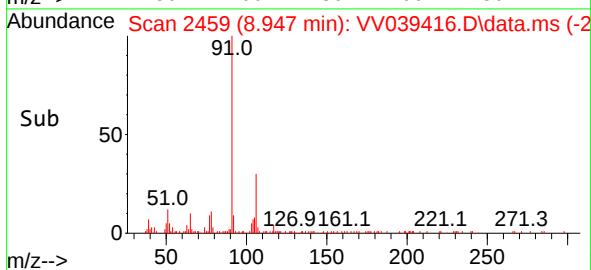
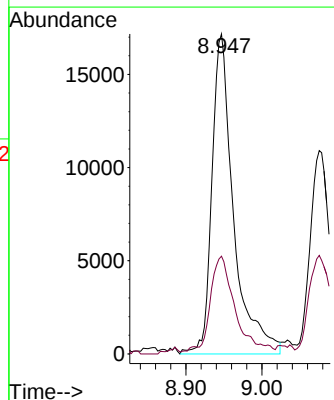
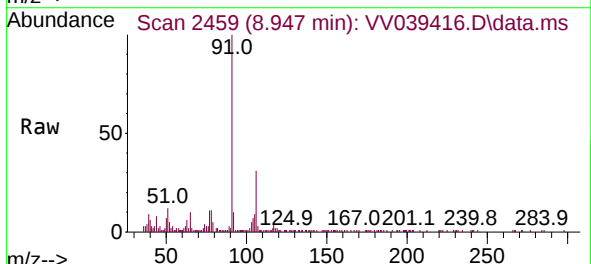
Manual Integrations
APPROVED

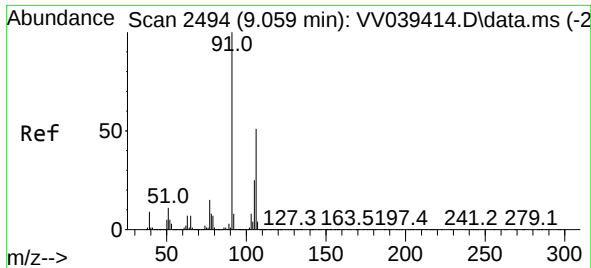
Reviewed By :Amit Patel 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#52
Ethylbenzene
Concen: 0.255 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.013 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

Tgt Ion: 91 Resp: 34016
Ion Ratio Lower Upper
91 100
106 30.5 21.3 39.6





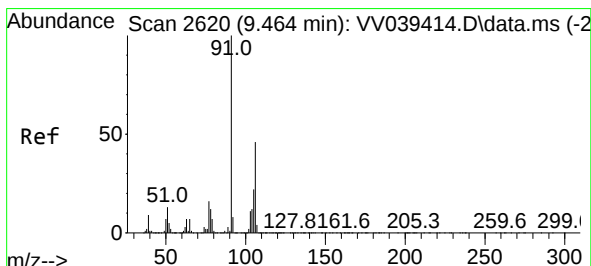
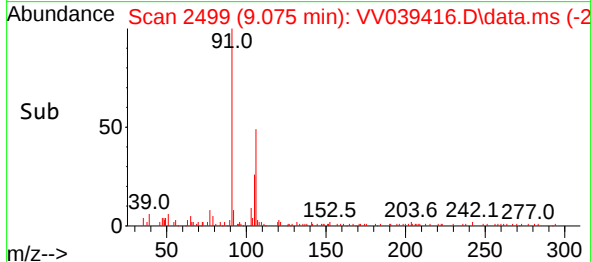
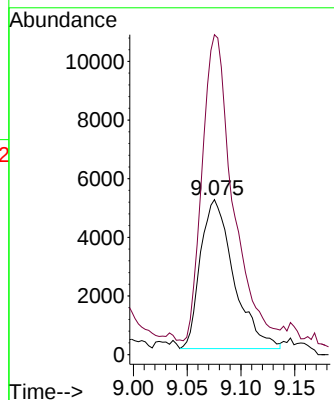
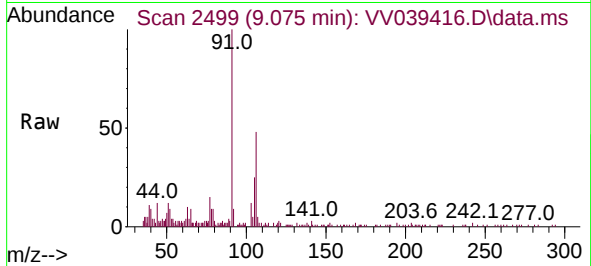
#53
m,p-Xylene
Concen: 0.214 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.016 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08

Tgt Ion:106 Resp: 10989
Ion Ratio Lower Upper
106 100
91 206.5 139.6 259.2

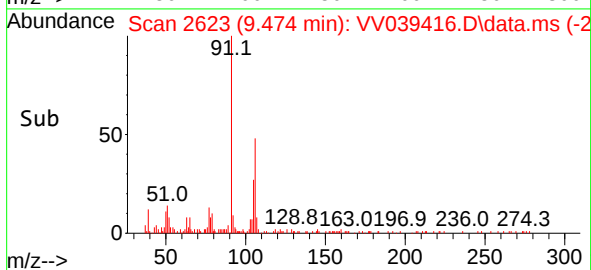
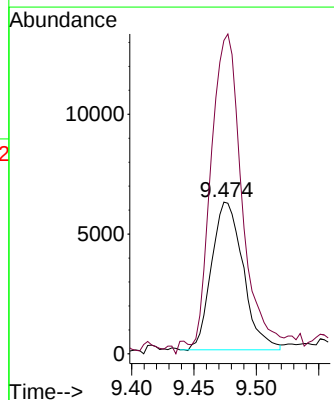
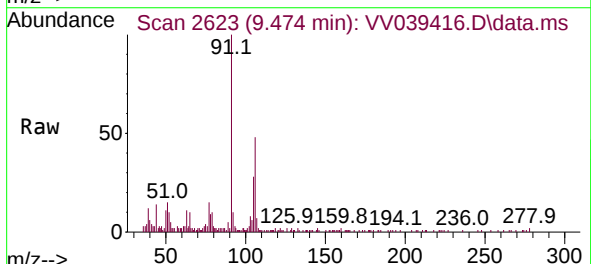
Manual Integrations
APPROVED

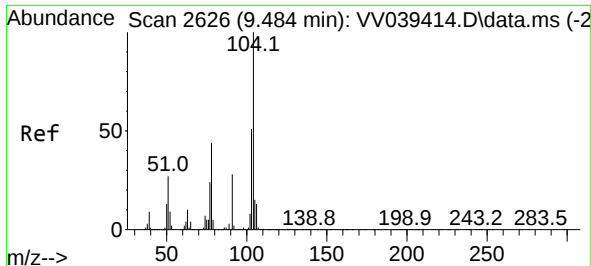
Reviewed By :Amit Patel 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#54
o-Xylene
Concen: 0.220 ug/L
RT: 9.474 min Scan# 2623
Delta R.T. 0.010 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

Tgt Ion:106 Resp: 10873
Ion Ratio Lower Upper
106 100
91 206.5 152.5 283.1





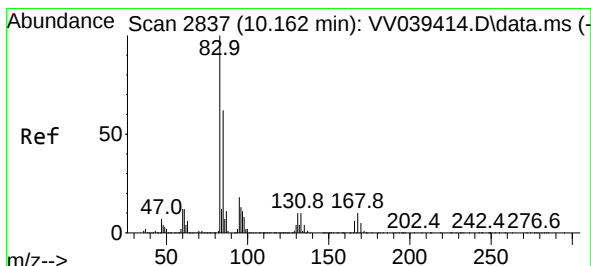
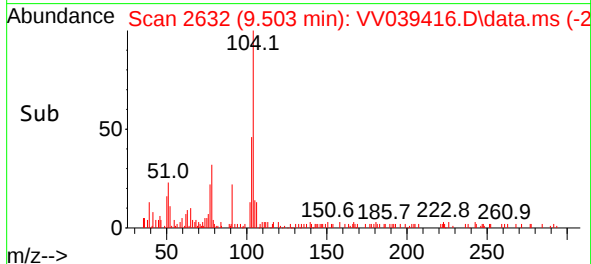
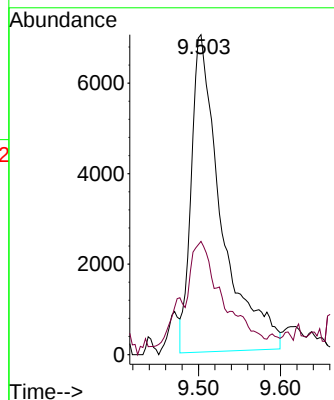
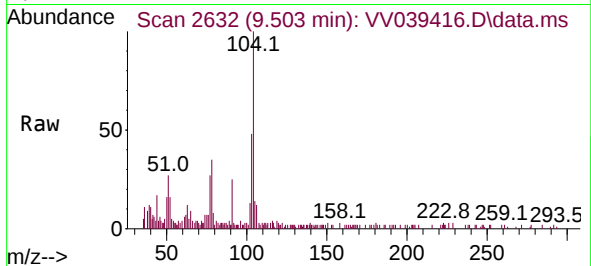
#55
Styrene
Concen: 0.205 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.019 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08

Tgt Ion:104 Resp: 17949
Ion Ratio Lower Upper
104 100
78 35.4 30.6 56.8

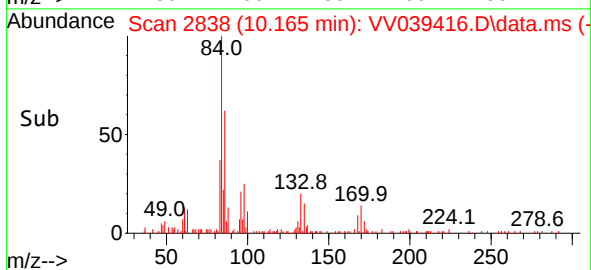
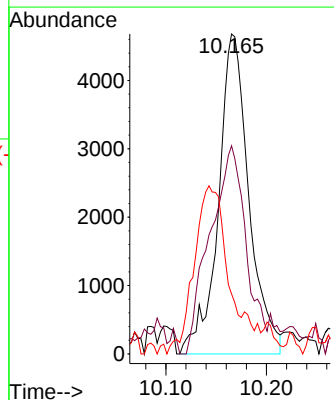
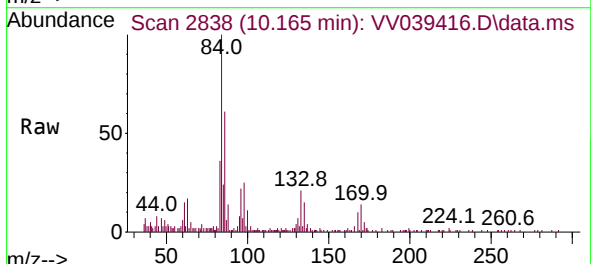
Manual Integrations
APPROVED

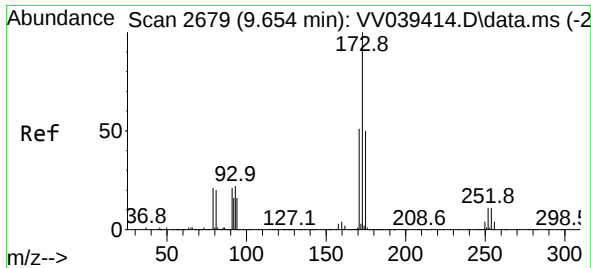
Reviewed By :Amit Patel 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#57
1,1,2,2-Tetrachloroethane
Concen: 0.330 ug/L
RT: 10.165 min Scan# 2838
Delta R.T. 0.003 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

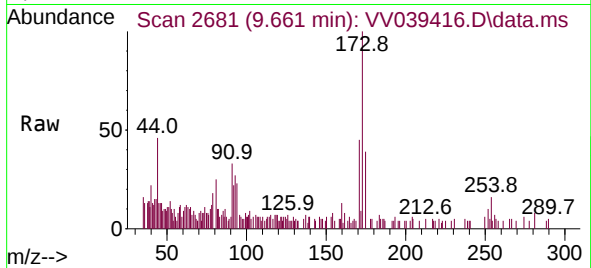
Tgt Ion: 83 Resp: 9850
Ion Ratio Lower Upper
83 100
85 65.0 45.3 84.1
131 18.7 7.8 11.8#





#59
Bromoform
Concen: 0.349 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. 0.006 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

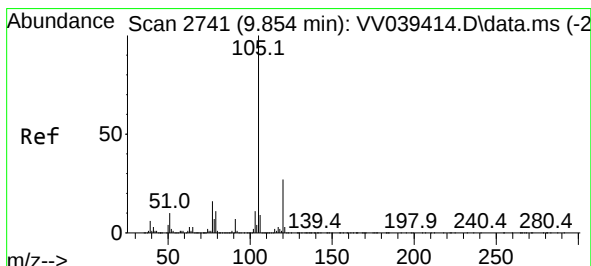
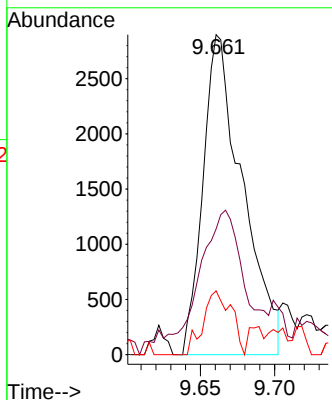
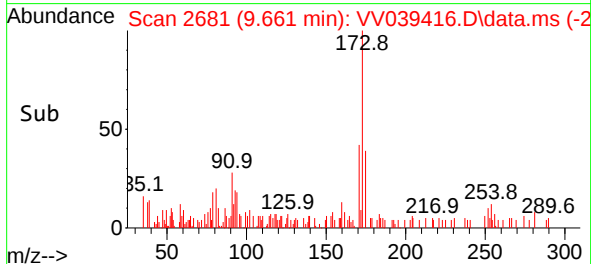
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08



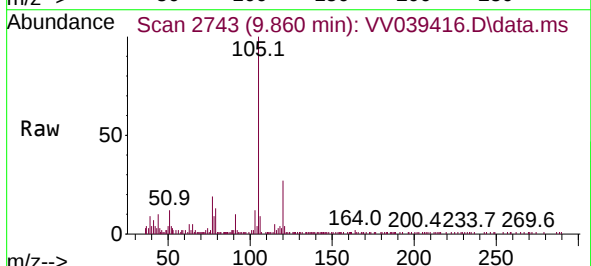
Tgt Ion:173 Resp: 5370
Ion Ratio Lower Upper
173 100
175 46.5 40.2 60.4
254 14.1 9.1 13.7

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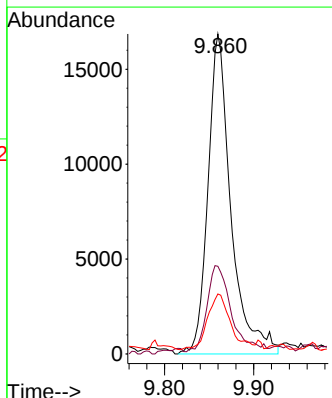
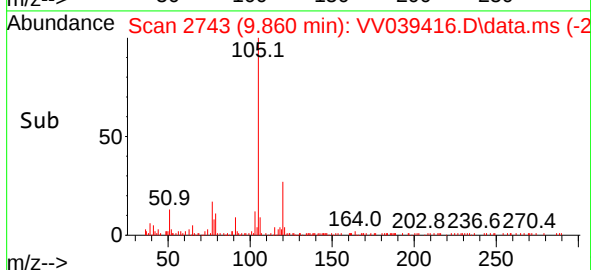
Reviewed By :Amit Patel 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

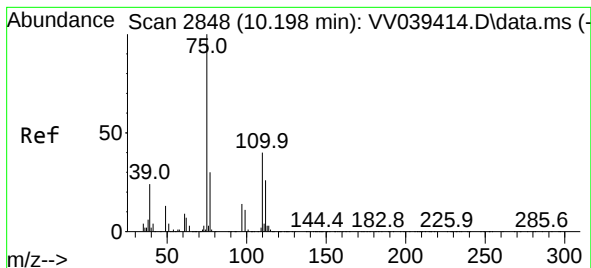


#60
Isopropylbenzene
Concen: 0.274 ug/L
RT: 9.860 min Scan# 2743
Delta R.T. 0.006 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19



Tgt Ion:105 Resp: 30185
Ion Ratio Lower Upper
105 100
120 28.7 21.4 32.2
77 17.4 12.8 19.2





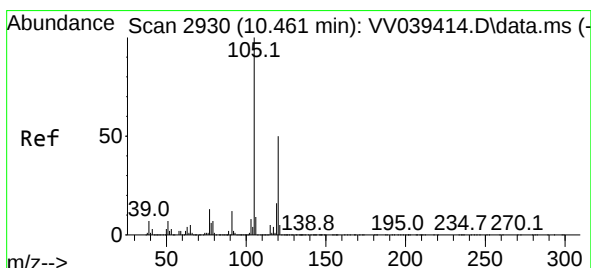
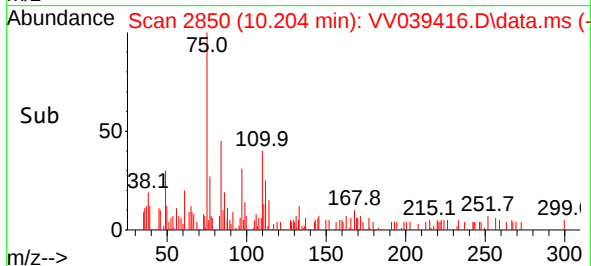
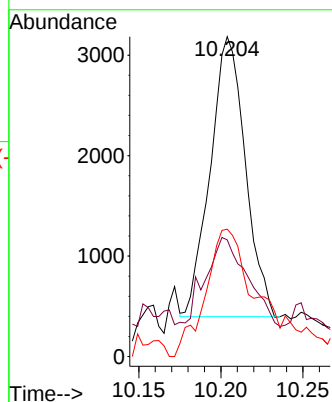
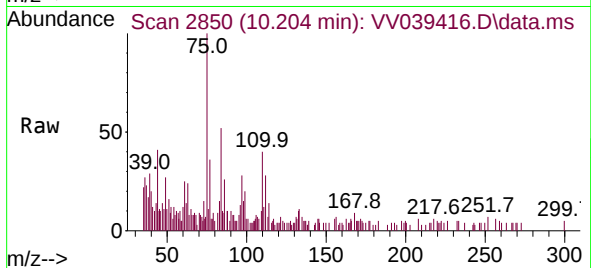
#61
1,2,3-Trichloropropane
Concen: 0.270 ug/L
RT: 10.204 min Scan# 2848
Delta R.T. 0.006 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08

Tgt Ion: 75 Resp: 4143
Ion Ratio Lower Upper
75 100
77 38.2 25.2 37.8
110 72.8 30.8 46.2

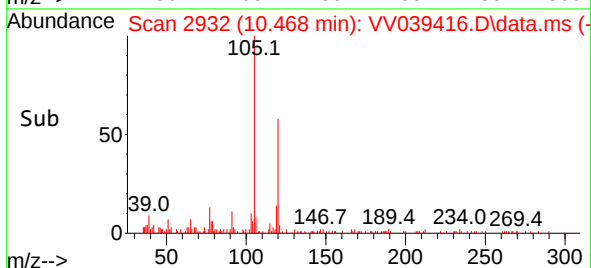
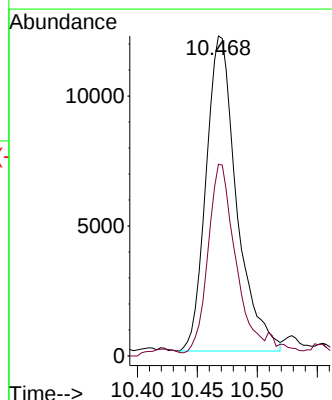
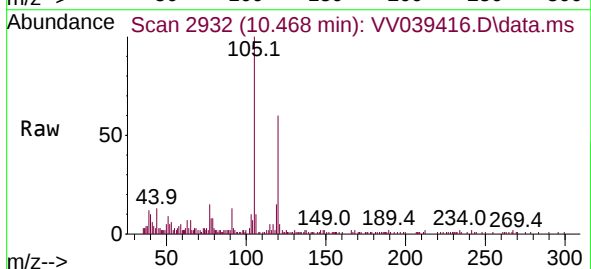
Manual Integrations
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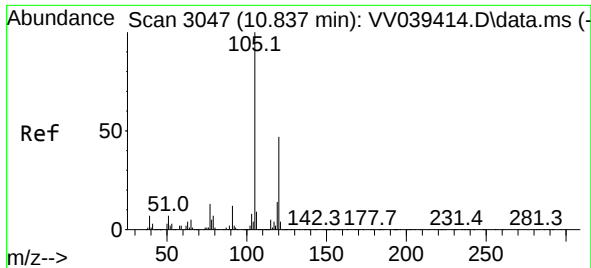
Reviewed By :Amit Patel 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#62
1,3,5-Trimethylbenzene
Concen: 0.254 ug/L
RT: 10.468 min Scan# 2932
Delta R.T. 0.006 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

Tgt Ion:105 Resp: 21516
Ion Ratio Lower Upper
105 100
120 54.4 39.6 59.4





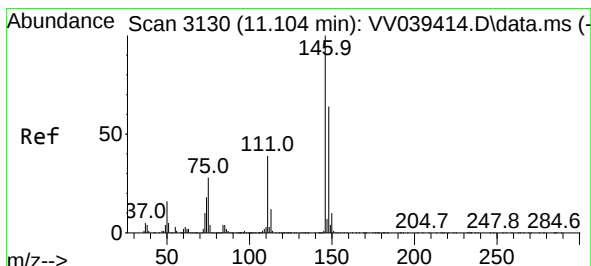
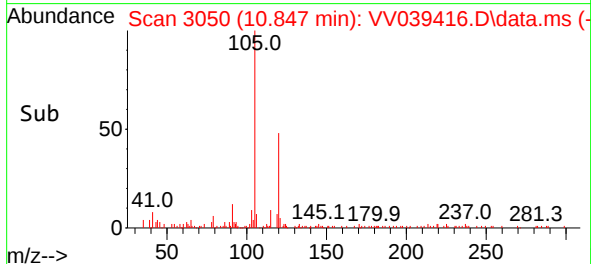
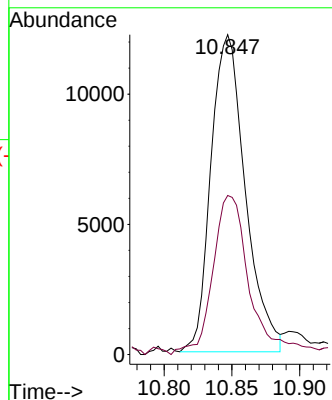
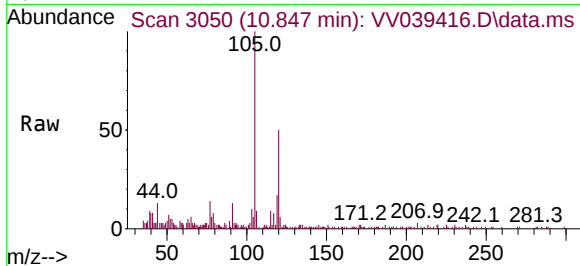
#63
1,2,4-Trimethylbenzene
Concen: 0.256 ug/L
RT: 10.847 min Scan# 3047
Delta R.T. 0.010 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08

Tgt Ion:105 Resp: 21504
Ion Ratio Lower Upper
105 100
120 53.7 36.8 55.2

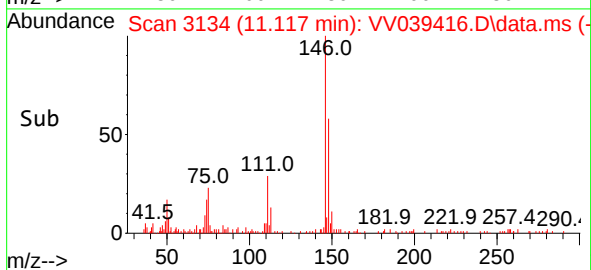
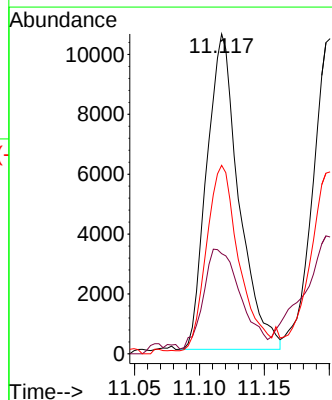
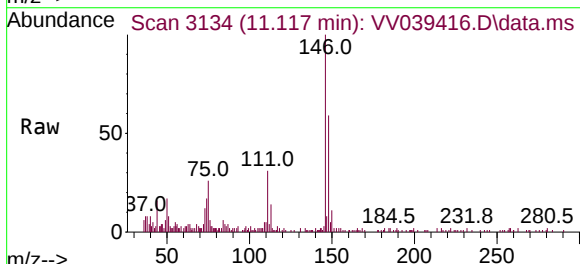
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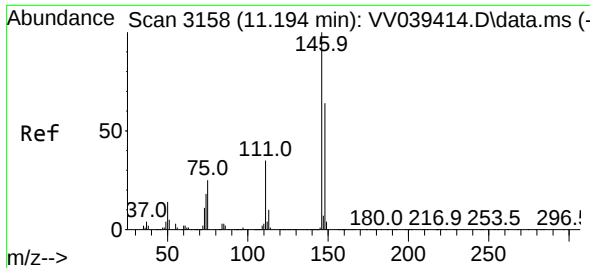
Reviewed By :Amit Patel 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#64
1,3-Dichlorobenzene
Concen: 0.299 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.013 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

Tgt Ion:146 Resp: 18092
Ion Ratio Lower Upper
146 100
111 31.3 26.6 49.4
148 58.9 44.8 83.2





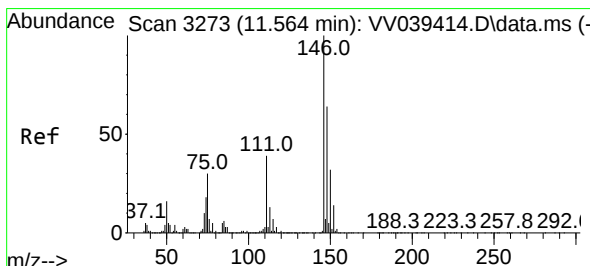
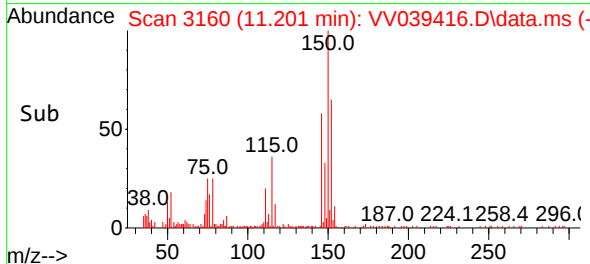
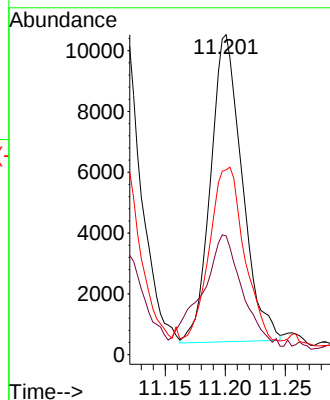
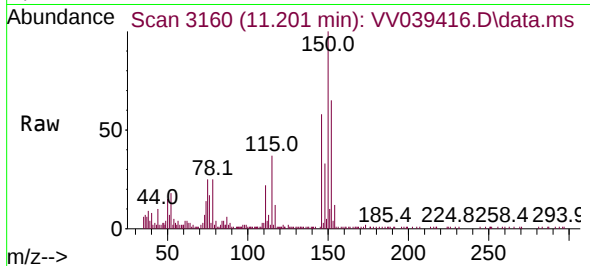
#65
1,4-Dichlorobenzene
Concen: 0.296 ug/L
RT: 11.201 min Scan# 3158
Delta R.T. 0.006 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-08

Tgt Ion:146 Resp: 18490
Ion Ratio Lower Upper
146 100
111 37.1 24.6 45.6
148 57.7 44.9 83.3

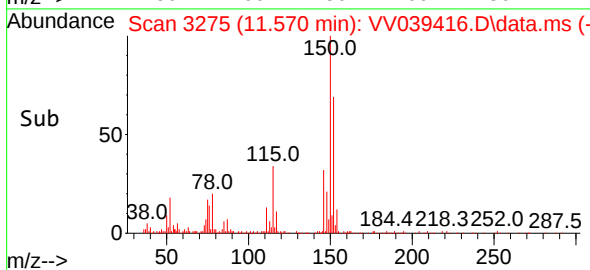
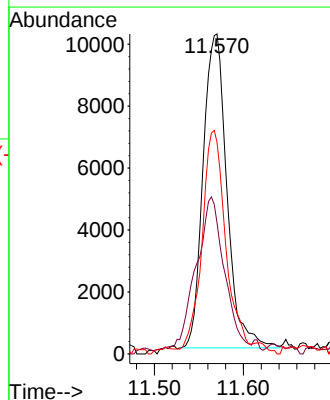
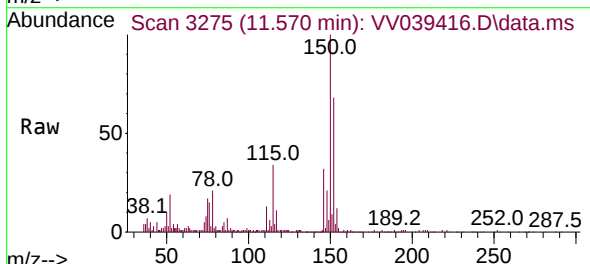
Manual Integrations
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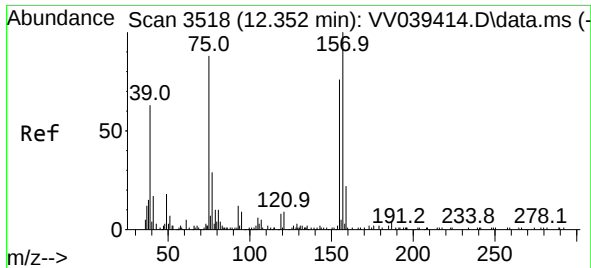
Reviewed By :Amit Patel 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#67
1,2-Dichlorobenzene
Concen: 0.343 ug/L
RT: 11.570 min Scan# 3275
Delta R.T. 0.006 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

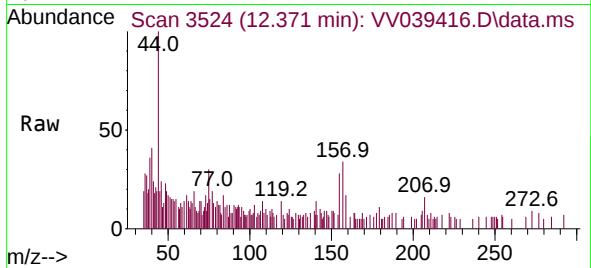
Tgt Ion:146 Resp: 18879
Ion Ratio Lower Upper
146 100
111 41.0 31.7 47.5
148 66.1 49.8 74.6





#68
1,2-Dibromo-3-chloropropane
Concen: 0.215 ug/L m
RT: 12.371 min Scan# 3524
Delta R.T. 0.019 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

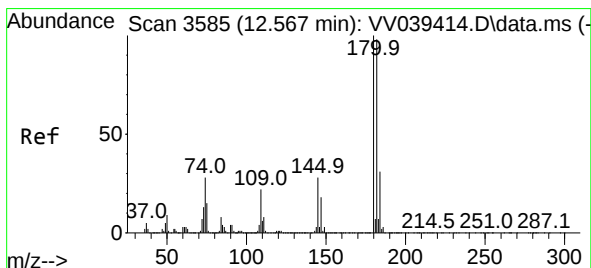
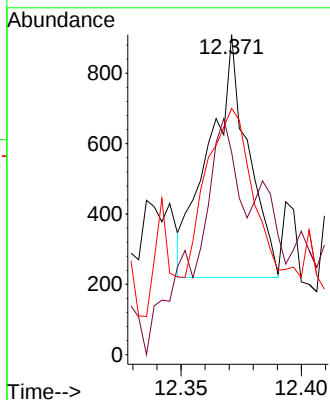
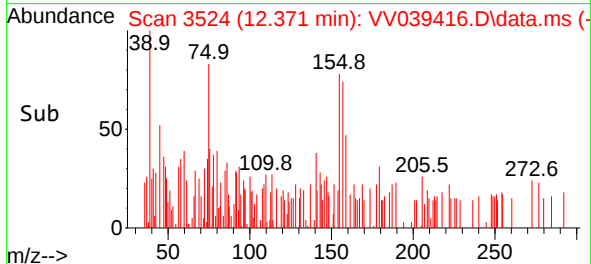
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08



Tgt Ion: 75 Resp: 772
Ion Ratio Lower Upper
75 100
155 93.5 69.5 104.3
157 113.8 92.0 138.0

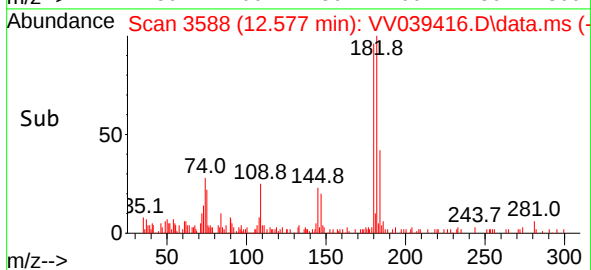
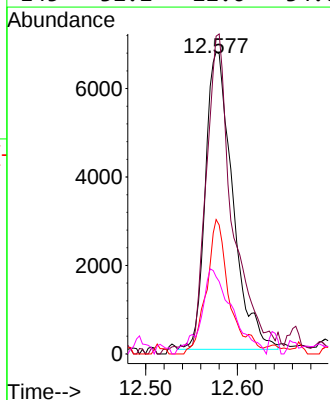
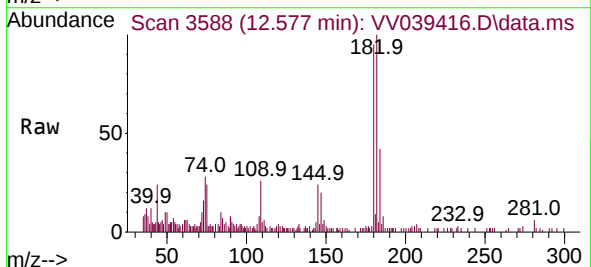
Manual Integrations
APPROVED

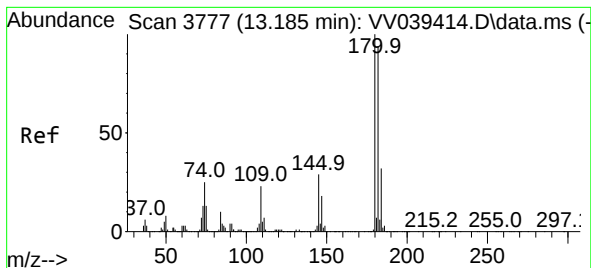
Reviewed By :Amit Patel 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#69
1,3,5-Trichlorobenzene
Concen: 0.304 ug/L
RT: 12.577 min Scan# 3588
Delta R.T. 0.010 min
Lab File: VV039416.D
Acq: 20 Nov 2025 10:19

Tgt Ion:180 Resp: 13878
Ion Ratio Lower Upper
180 100
182 99.5 76.9 115.3
184 35.6 24.3 36.5
145 32.2 22.6 34.0





#70

1,2,4-trichlorobenzene

Concen: 0.281 ug/L

RT: 13.201 min Scan# 31

Delta R.T. 0.016 min

Lab File: VV039416.D

Acq: 20 Nov 2025 10:19

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-08

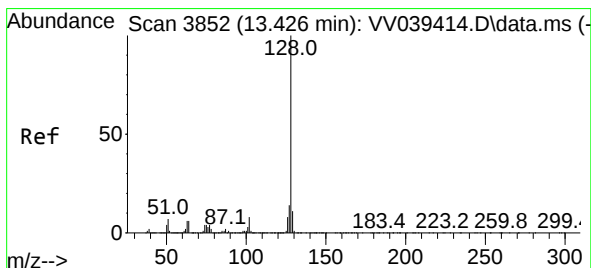
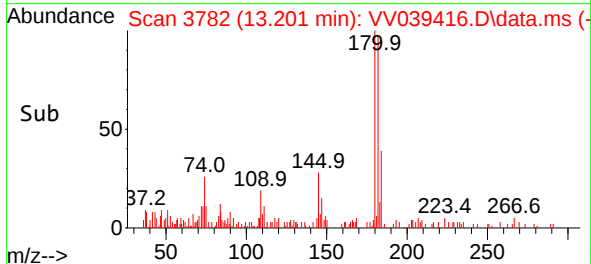
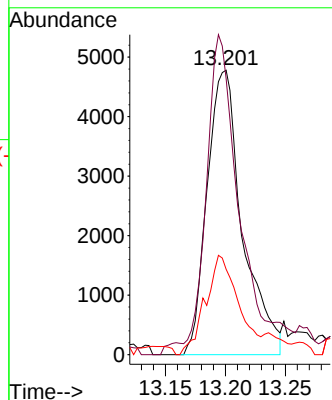
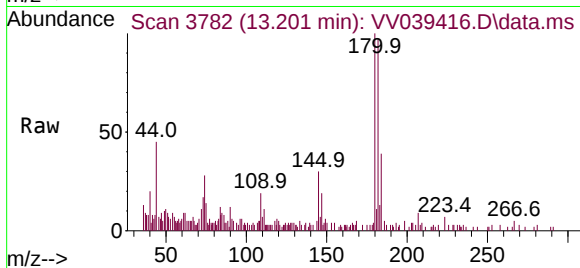
Tgt Ion:	180	Resp:	979
Ion Ratio	Lower	Upper	
180	100		
182	108.3	74.6	111.8
145	32.6	23.3	34.9

Manual Integrations

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Reviewed By :Amit Patel 11/21/2025

Supervised By :Mahesh Dadoda 11/21/2025



#71

Naphthalene

Concen: 0.248 ug/L

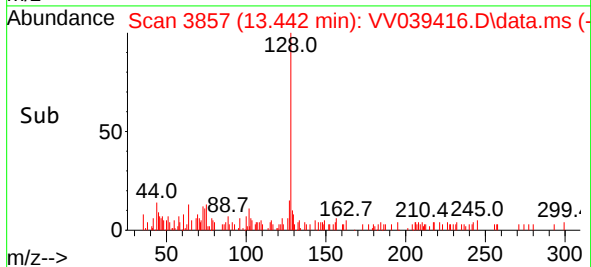
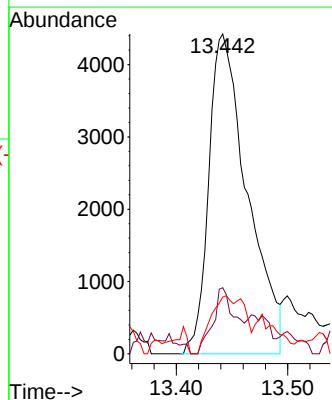
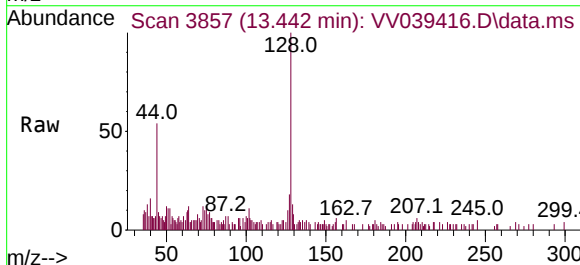
RT: 13.442 min Scan# 3857

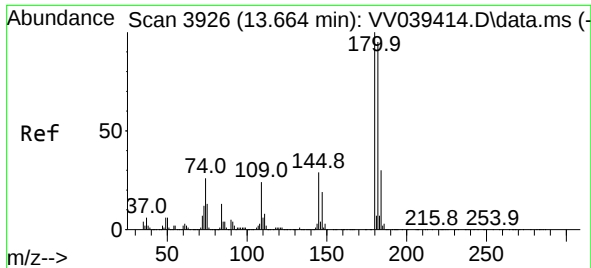
Delta R.T. 0.016 min

Lab File: VV039416.D

Acq: 20 Nov 2025 10:19

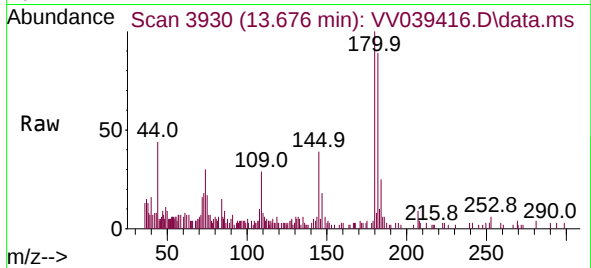
Tgt Ion:	128	Resp:	10647
Ion Ratio	Lower	Upper	
128	100		
129	12.1	8.6	12.8
127	10.5	11.3	16.9





#72
 1,2,3-Trichlorobenzene
 Concen: 0.288 ug/L
 RT: 13.676 min Scan# 3926
 Delta R.T. 0.013 min
 Lab File: VV039416.D
 Acq: 20 Nov 2025 10:19

Instrument : MSVOA_V
 ClientSampleId : MDL-WATER-QT4-2025-08



Tgt Ion:	180	Resp:	896
Ion Ratio	Lower	Upper	
180	100		
182	99.1	75.4	113.0
145	40.7	24.6	36.8

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/21/2025
 Supervised By :Mahesh Dadoda 11/21/2025

