

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
 Data File : VX045005.D
 Acq On : 19 Feb 2025 15:28
 Operator : JC/MD
 Sample : Q1393-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PURGE-WATER-COMP

Quant Time: Feb 20 02:38:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/20/2025
 Supervised By : Mahesh Dadoda 02/20/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	86993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	175400	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.049	117	163326	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	71061	55.803	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.600%			
35) Dibromofluoromethane	5.373	113	58377	51.190	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.380%			
50) Toluene-d8	8.641	98	218947	50.773	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.540%			
62) 4-Bromofluorobenzene	11.079	95	80227	55.186	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.160	85	1046	0.857	ug/l	90
6) Chloroethane	1.666	64	21769	37.226	ug/l	90
11) Tert butyl alcohol	2.965	59	26644	112.783	ug/l	99
16) Acetone	2.374	43	36782	71.850	ug/l	96
18) Methyl Acetate	2.697	43	845	0.523	ug/l #	68
19) Methyl tert-butyl Ether	3.105	73	2642	0.741	ug/l #	76
20) Methylene Chloride	2.776	84	733	0.585	ug/l	93
25) 2-Butanone	4.581	43	1530m	1.841	ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	1401	0.780	ug/l	94
52) Toluene	8.714	92	1883	0.615	ug/l	98
67) Ethyl Benzene	10.195	91	3608	0.583	ug/l	94
68) m/p-Xylenes	10.299	106	5393	2.362	ug/l	97
69) o-Xylene	10.640	106	2380	1.039	ug/l	86
84) 1,2,4-Trimethylbenzene	11.750	105	3181	0.644	ug/l	94

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

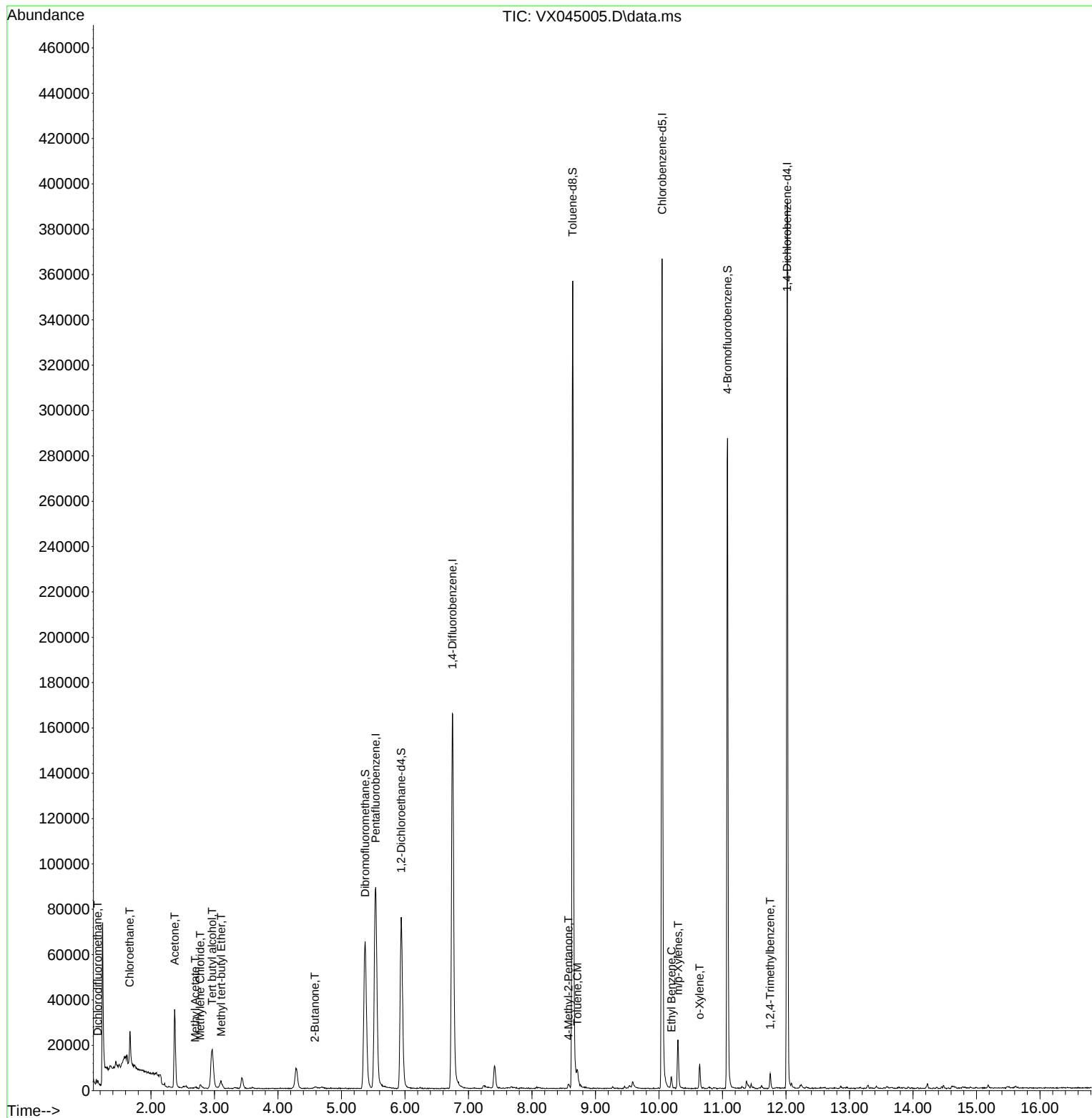
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
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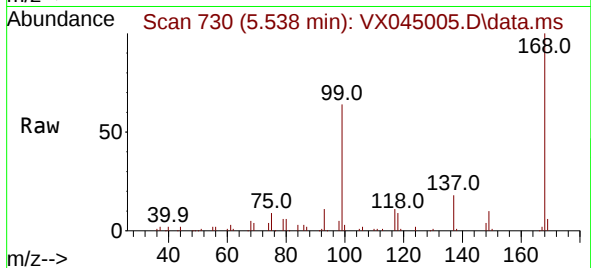
Reviewed By : John Carlone 02/20/2025
Supervised By : Mahesh Dadoda 02/20/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.005 min
Lab File: VX045005.D
Acq: 19 Feb 2025 15:28

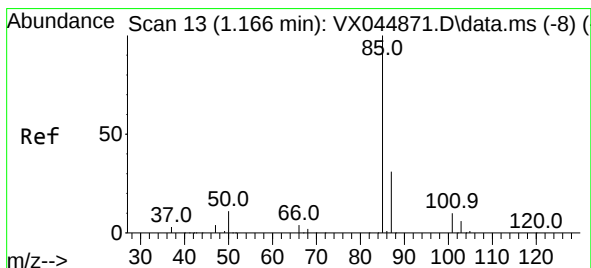
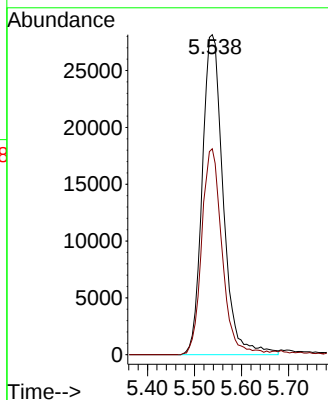
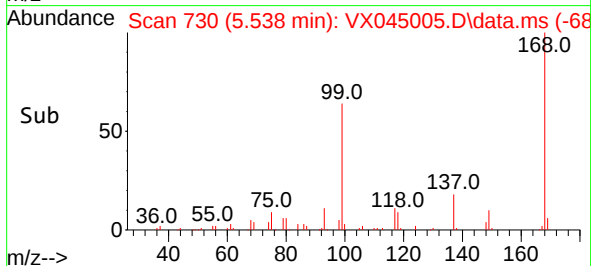
Instrument :
MSVOA_X
ClientSampleId :
PURGE-WATER-COMP



Tgt Ion:168 Resp: 8699
Ion Ratio Lower Upper
168 100
99 64.4 51.2 76.8

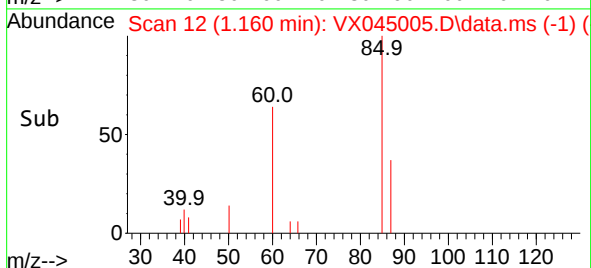
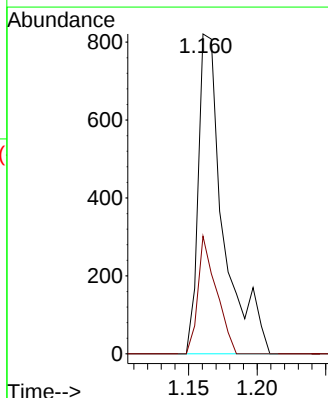
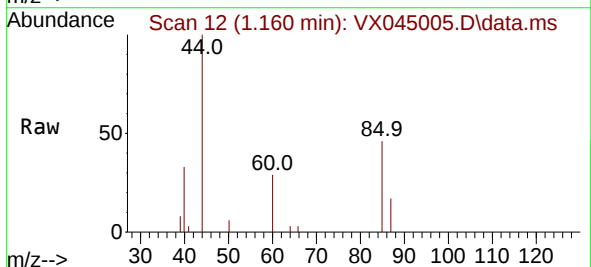
Manual Integrations
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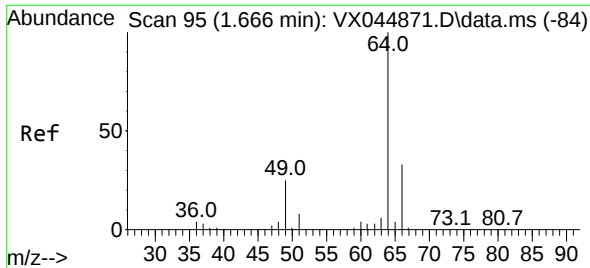
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025



#2
Dichlorodifluoromethane
Concen: 0.857 ug/l
RT: 1.160 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX045005.D
Acq: 19 Feb 2025 15:28

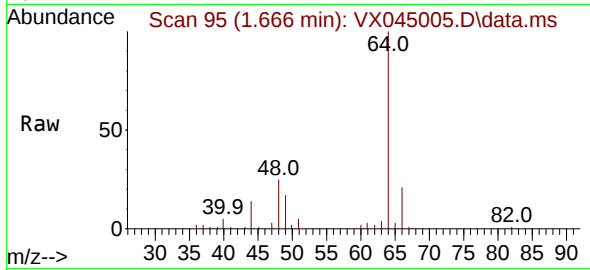
Tgt Ion: 85 Resp: 1046
Ion Ratio Lower Upper
85 100
87 36.8 15.8 47.3





#6
Chloroethane
Concen: 37.226 ug/l
RT: 1.666 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045005.D
Acq: 19 Feb 2025 15:28

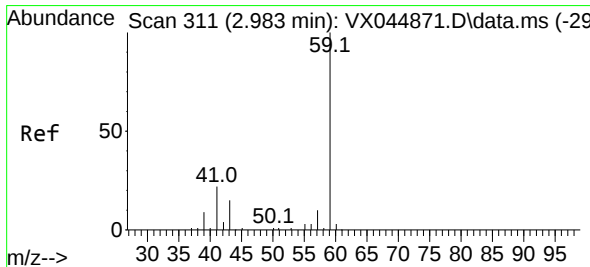
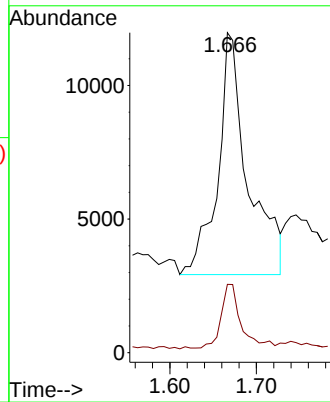
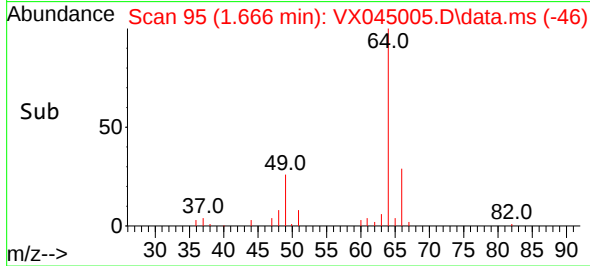
Instrument :
MSVOA_X
ClientSampleId :
PURGE-WATER-COMP



Tgt Ion: 64 Resp: 21769
Ion Ratio Lower Upper
64 100
66 26.6 25.9 38.9

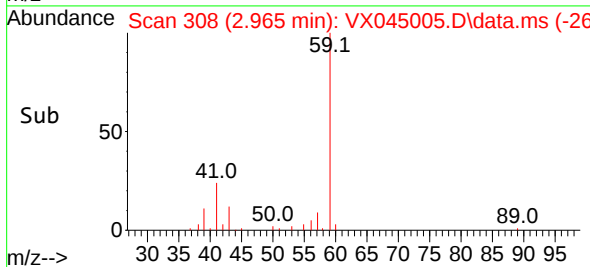
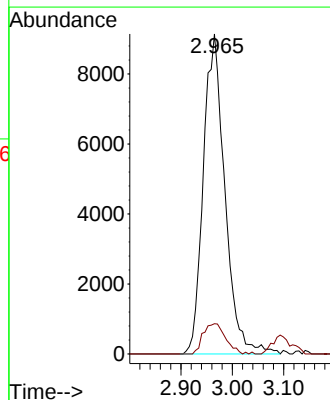
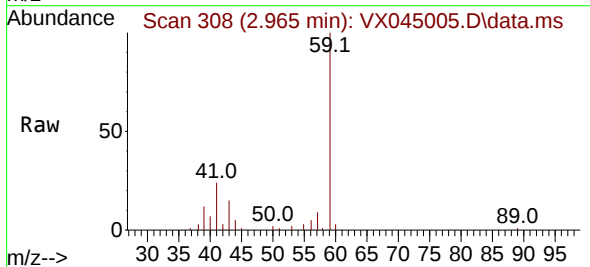
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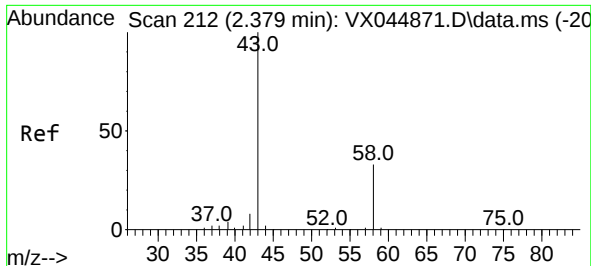
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025



#11
Tert butyl alcohol
Concen: 112.783 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX045005.D
Acq: 19 Feb 2025 15:28

Tgt Ion: 59 Resp: 26644
Ion Ratio Lower Upper
59 100
57 9.8 8.1 12.1





#16

Acetone

Concen: 71.850 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX045005.D

Acq: 19 Feb 2025 15:28

Instrument :

MSVOA_X

ClientSampleId :

PURGE-WATER-COMP

Tgt Ion: 43 Resp: 3678

Ion Ratio Lower Upper

43 100

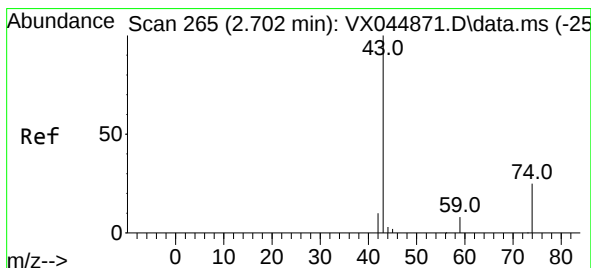
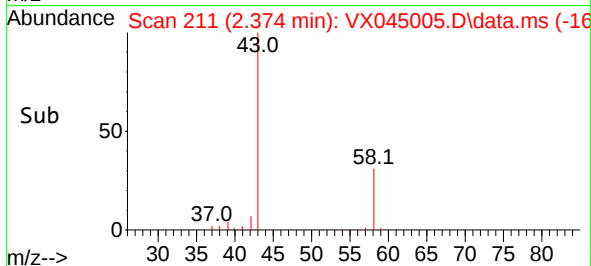
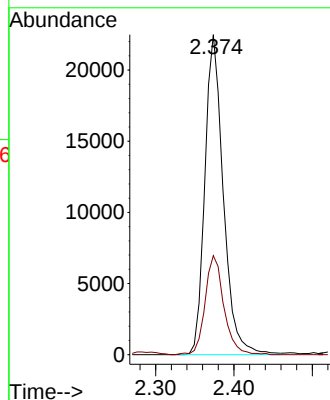
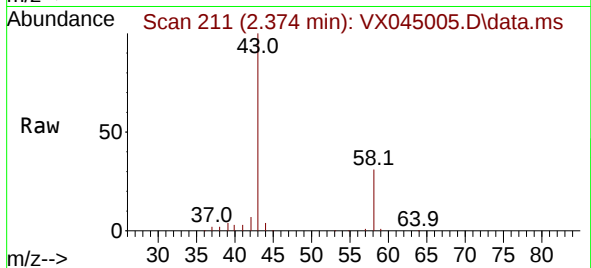
58 31.0 26.5 39.7

Manual Integrations

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Reviewed By :John Carlone 02/20/2025

Supervised By :Mahesh Dadoda 02/20/2025



#18

Methyl Acetate

Concen: 0.523 ug/l

RT: 2.697 min Scan# 264

Delta R.T. -0.006 min

Lab File: VX045005.D

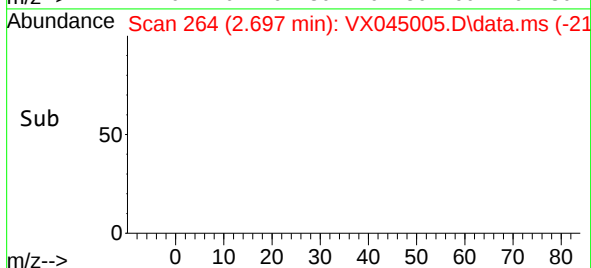
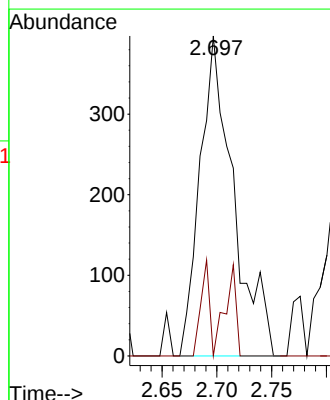
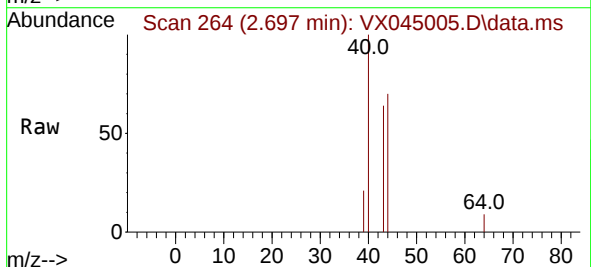
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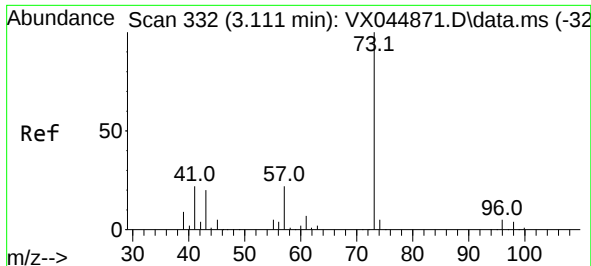
Tgt Ion: 43 Resp: 845

Ion Ratio Lower Upper

43 100

74 7.7 18.9 28.3#





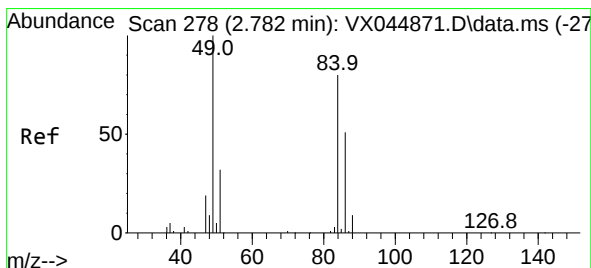
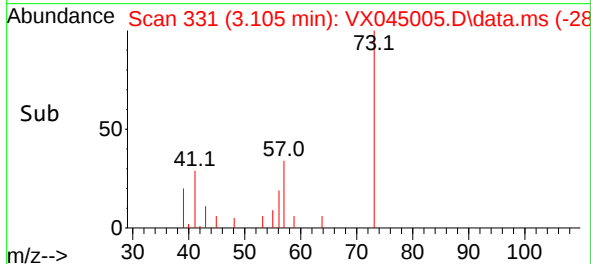
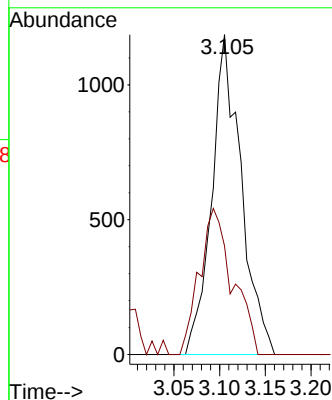
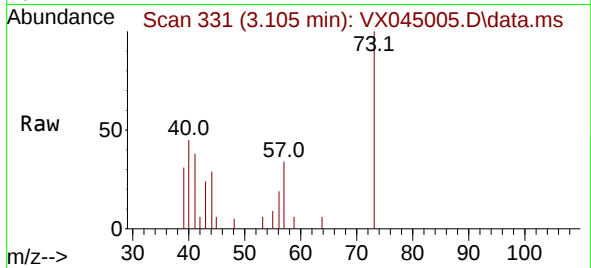
#19
Methyl tert-butyl Ether
Concen: 0.741 ug/l
RT: 3.105 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX045005.D
Acq: 19 Feb 2025 15:28

Instrument :
MSVOA_X
ClientSampleId :
PURGE-WATER-COMP

Tgt Ion: 73 Resp: 264
Ion Ratio Lower Upper
73 100
57 34.0 17.9 26.9

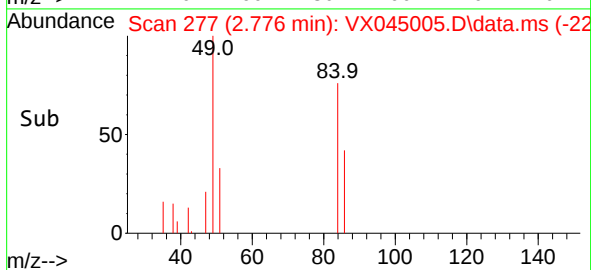
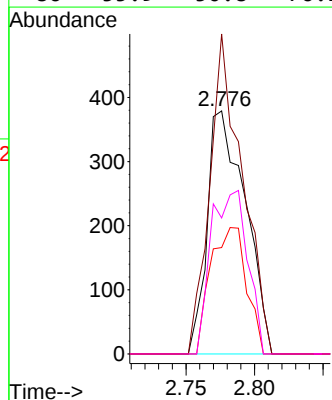
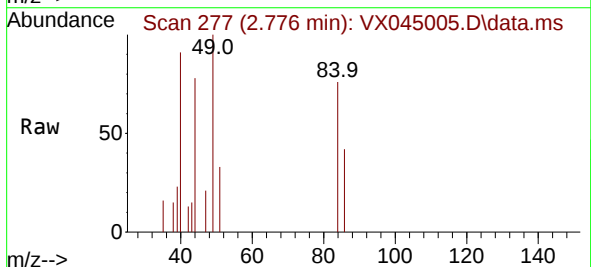
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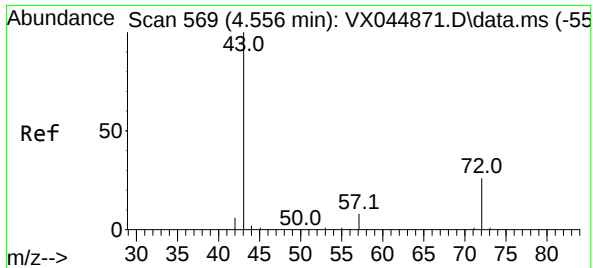
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025



#20
Methylene Chloride
Concen: 0.585 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX045005.D
Acq: 19 Feb 2025 15:28

Tgt Ion: 84 Resp: 733
Ion Ratio Lower Upper
84 100
49 131.7 100.1 150.1
51 43.8 31.7 47.5
86 55.9 50.8 76.2





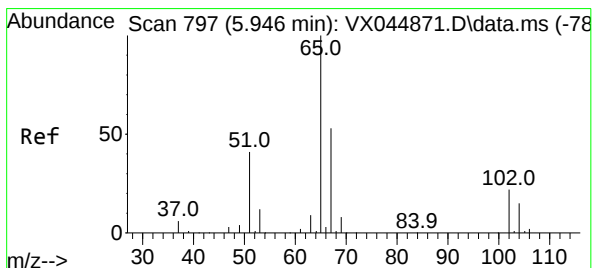
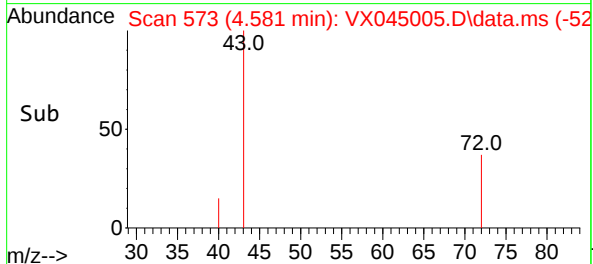
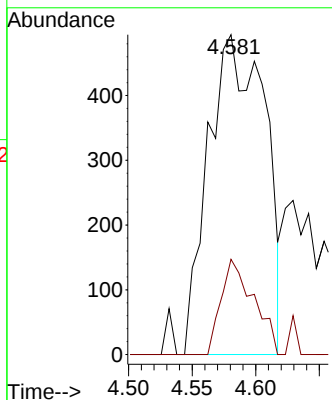
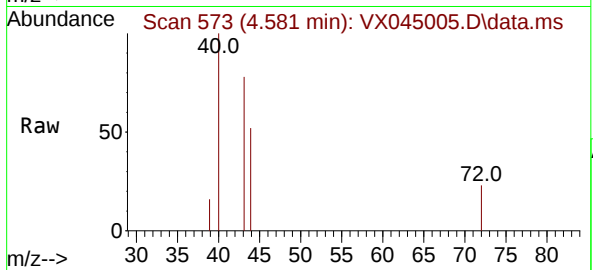
#25
2-Butanone
Concen: 1.841 ug/l m
RT: 4.581 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX045005.D
Acq: 19 Feb 2025 15:28

Instrument :
MSVOA_X
ClientSampleId :
PURGE-WATER-COMP

Tgt Ion: 43 Resp: 1530
Ion Ratio Lower Upper
43 100
72 29.8 21.2 31.8

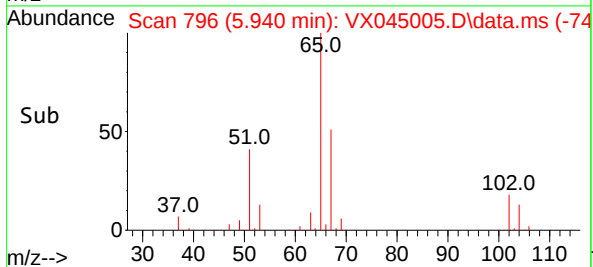
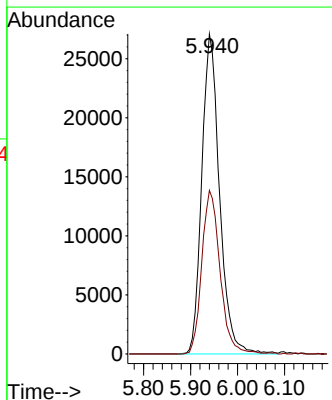
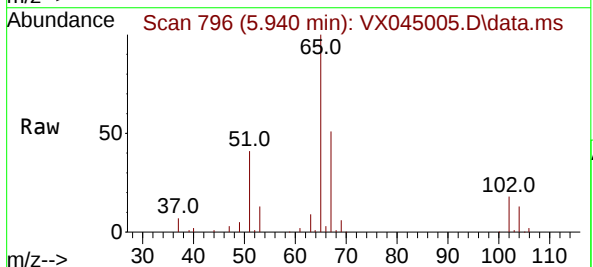
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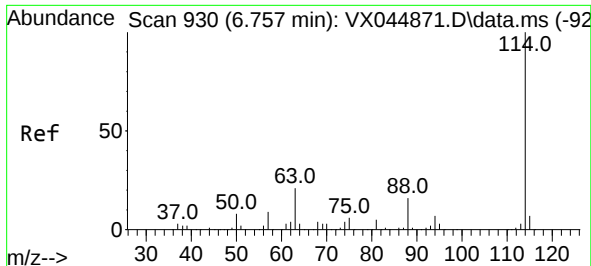
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025



#33
1,2-Dichloroethane-d4
Concen: 55.803 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.006 min
Lab File: VX045005.D
Acq: 19 Feb 2025 15:28

Tgt Ion: 65 Resp: 71061
Ion Ratio Lower Upper
65 100
67 52.4 0.0 108.2





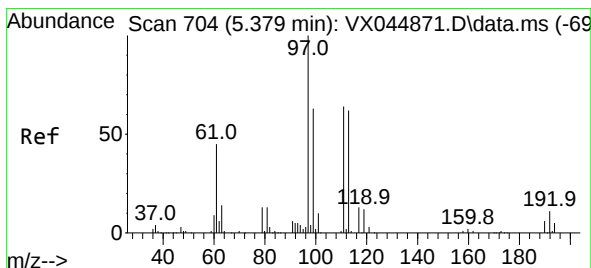
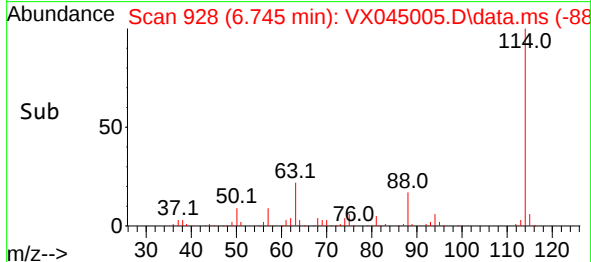
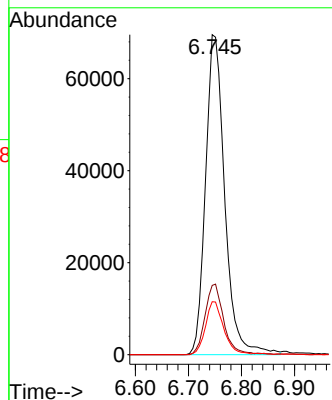
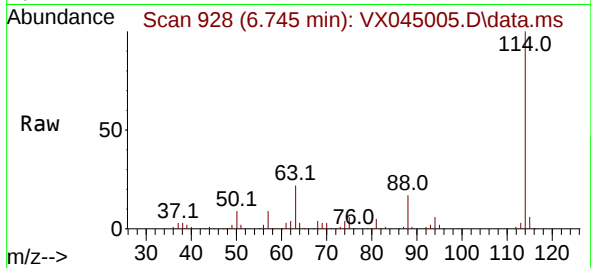
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX045005.D
Acq: 19 Feb 2025 15:28

Instrument :
MSVOA_X
ClientSampleId :
PURGE-WATER-COMP

Tgt Ion:114 Resp: 175400
Ion Ratio Lower Upper
114 100
63 21.7 0.0 42.4
88 16.6 0.0 31.4

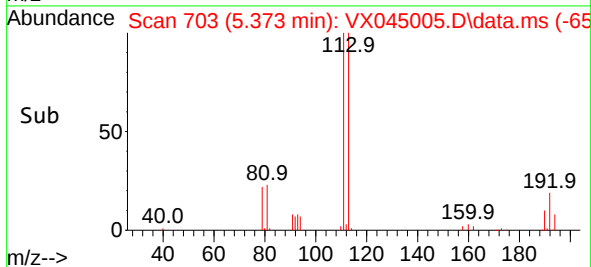
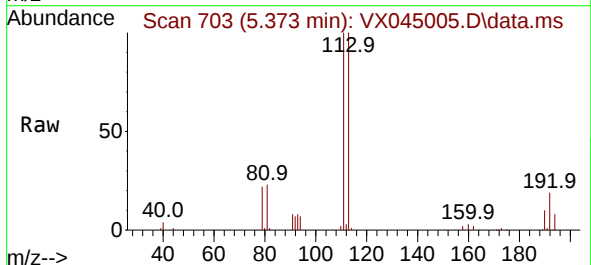
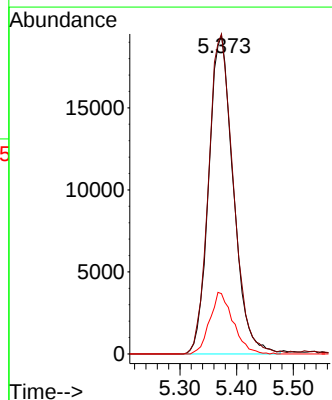
Manual Integrations
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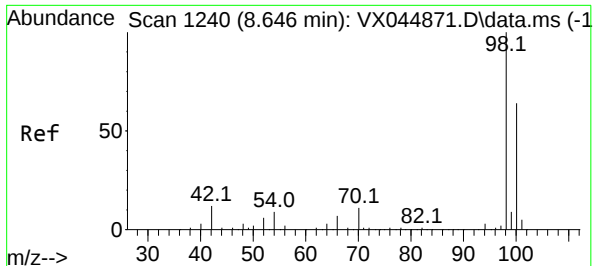
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025



#35
Dibromofluoromethane
Concen: 51.190 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045005.D
Acq: 19 Feb 2025 15:28

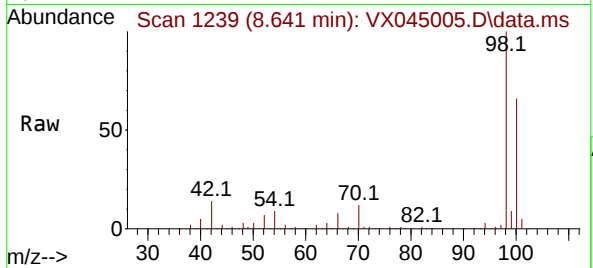
Tgt Ion:113 Resp: 58377
Ion Ratio Lower Upper
113 100
111 101.8 83.5 125.3
192 18.4 14.4 21.6





#50
Toluene-d8
Concen: 50.773 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX045005.D
Acq: 19 Feb 2025 15:28

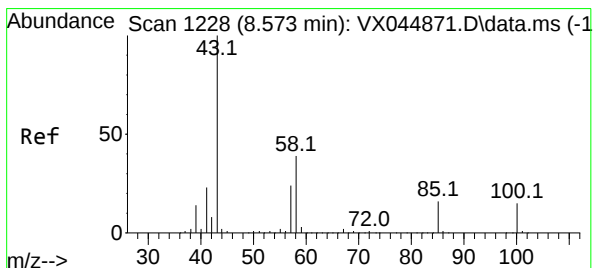
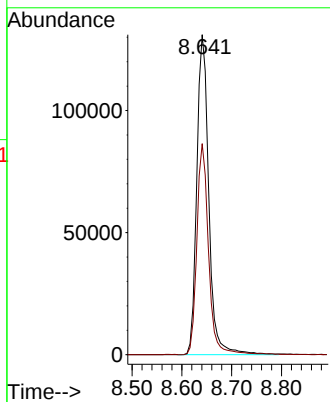
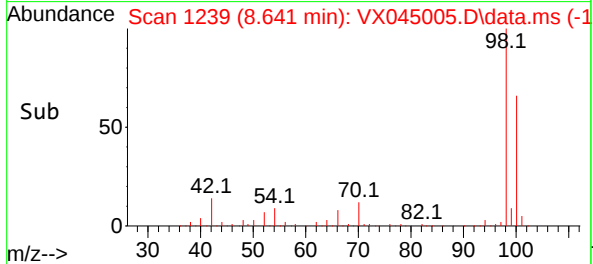
Instrument :
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ClientSampleId :
PURGE-WATER-COMP



Tgt Ion: 98 Resp: 21894
Ion Ratio Lower Upper
98 100
100 64.6 52.7 79.1

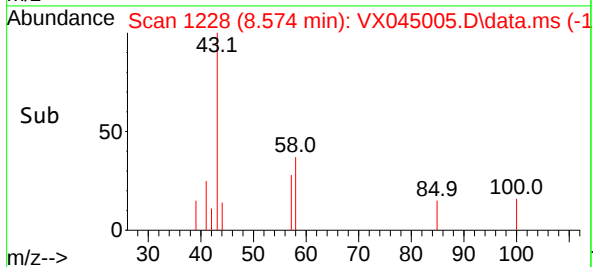
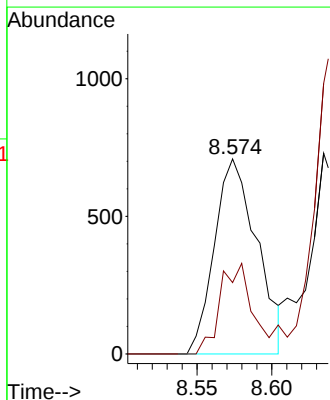
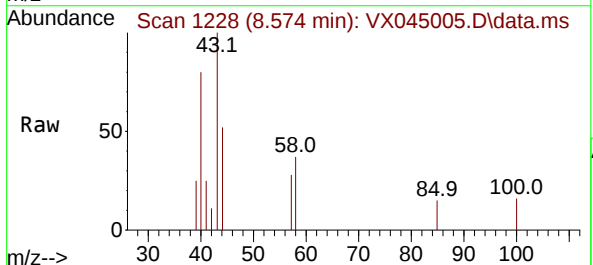
Manual Integrations
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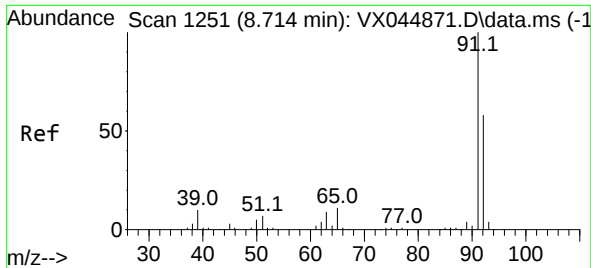
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025



#51
4-Methyl-2-Pentanone
Concen: 0.780 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX045005.D
Acq: 19 Feb 2025 15:28

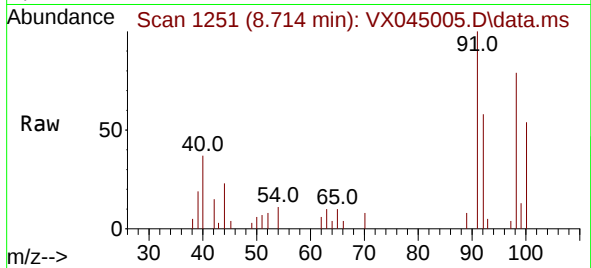
Tgt Ion: 43 Resp: 1401
Ion Ratio Lower Upper
43 100
58 34.7 30.8 46.2





#52
Toluene
Concen: 0.615 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045005.D
Acq: 19 Feb 2025 15:28

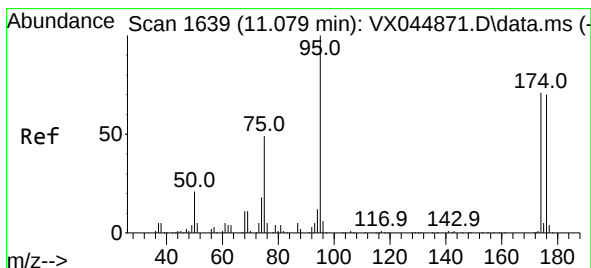
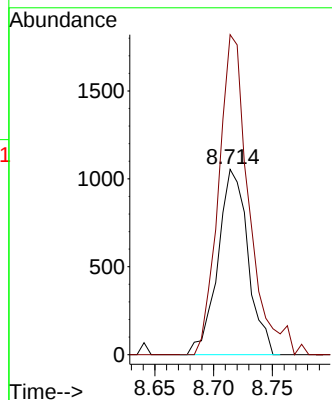
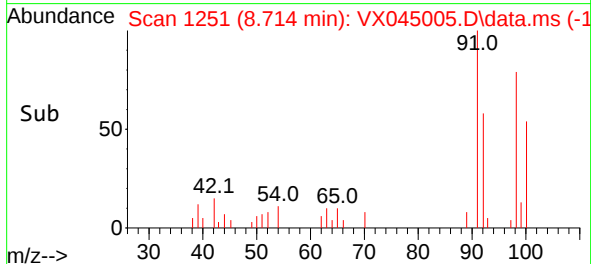
Instrument :
MSVOA_X
ClientSampleId :
PURGE-WATER-COMP



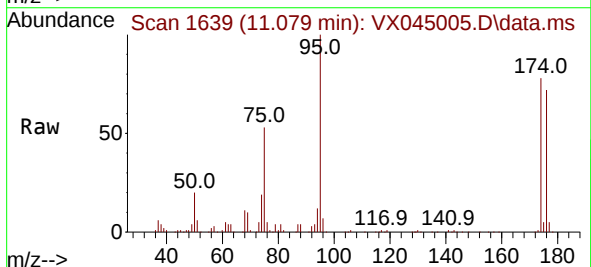
Tgt Ion: 92 Resp: 188
Ion Ratio Lower Upper
92 100
91 174.1 137.4 206.2

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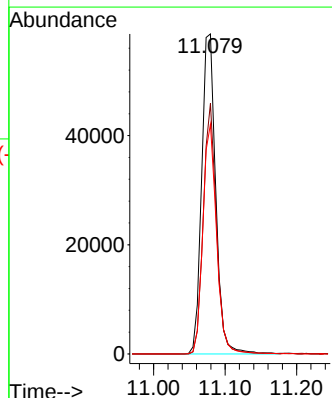
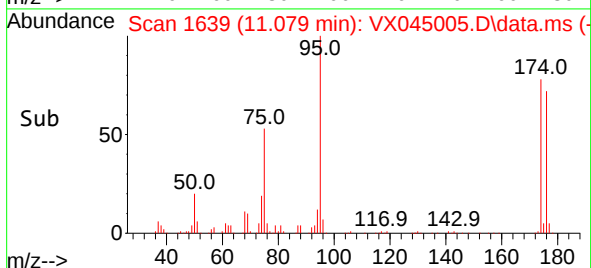
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

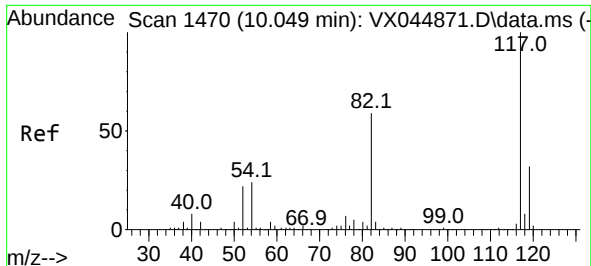


#62
4-Bromofluorobenzene
Concen: 55.186 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045005.D
Acq: 19 Feb 2025 15:28



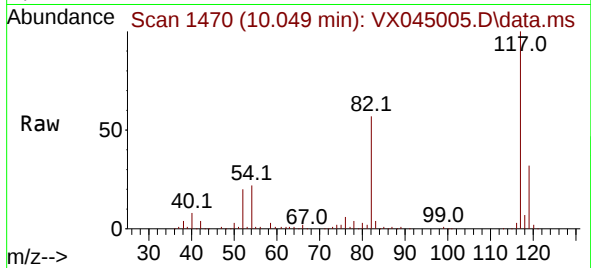
Tgt Ion: 95 Resp: 80227
Ion Ratio Lower Upper
95 100
174 73.4 0.0 142.6
176 69.8 0.0 141.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045005.D
Acq: 19 Feb 2025 15:28

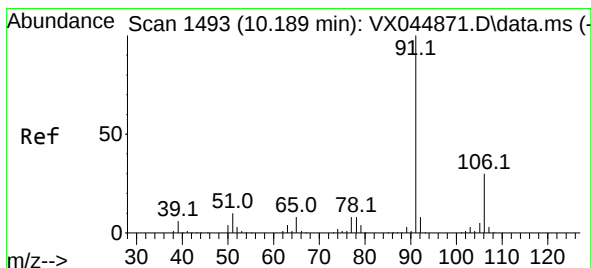
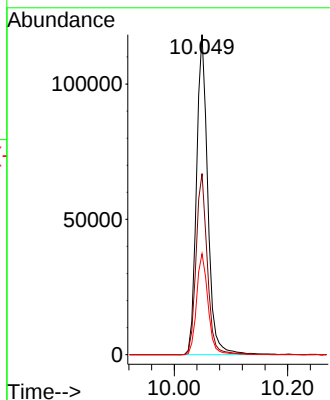
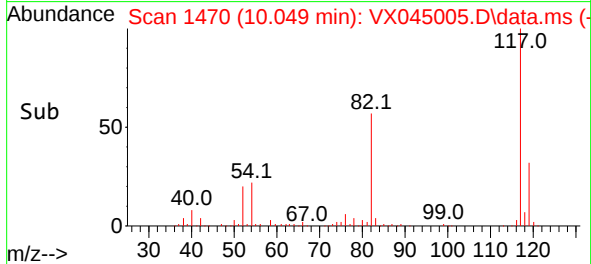
Instrument :
MSVOA_X
ClientSampleId :
PURGE-WATER-COMP



Tgt Ion:117 Resp: 163320
Ion Ratio Lower Upper
117 100
82 56.6 47.5 71.3
119 31.6 25.4 38.0

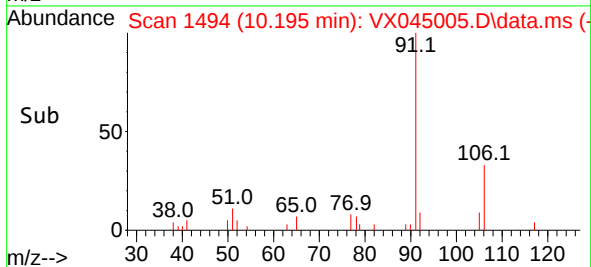
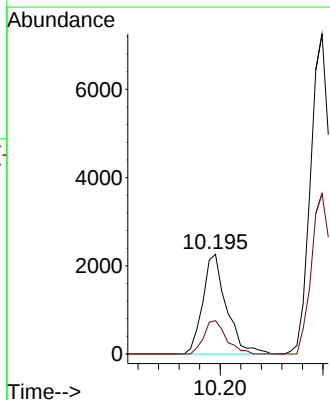
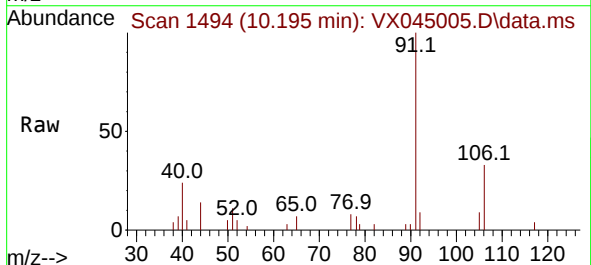
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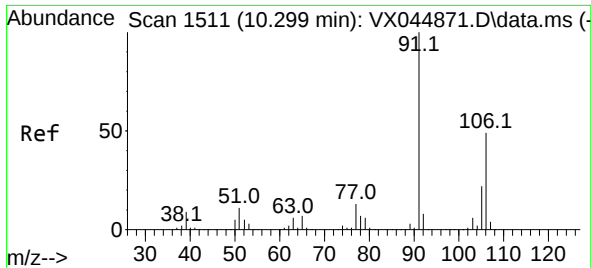
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025



#67
Ethyl Benzene
Concen: 0.583 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.007 min
Lab File: VX045005.D
Acq: 19 Feb 2025 15:28

Tgt Ion: 91 Resp: 3608
Ion Ratio Lower Upper
91 100
106 33.3 23.9 35.9





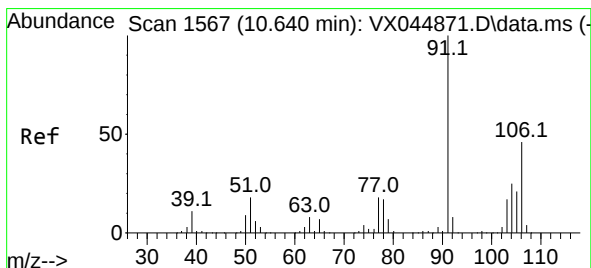
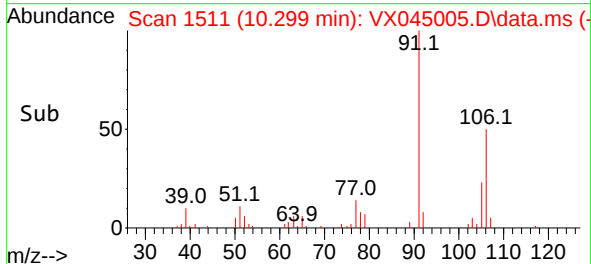
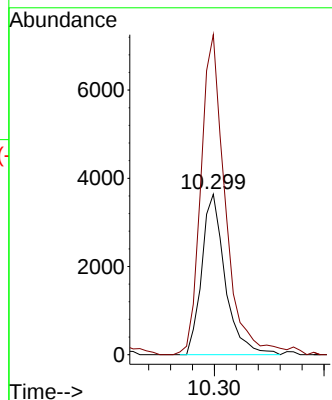
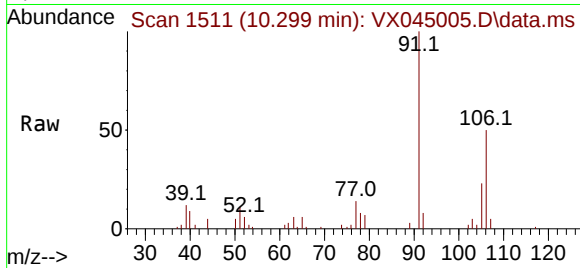
#68
m/p-Xylenes
Concen: 2.362 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045005.D
Acq: 19 Feb 2025 15:28

Instrument :
MSVOA_X
ClientSampleId :
PURGE-WATER-COMP

Tgt Ion:106 Resp: 539
Ion Ratio Lower Upper
106 100
91 209.8 164.3 246.5

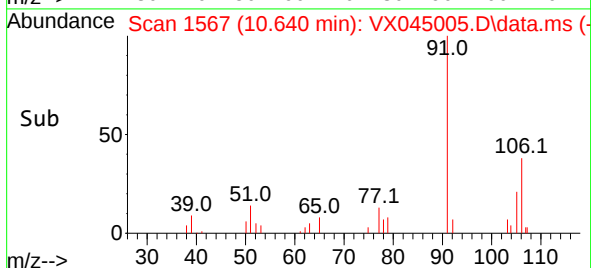
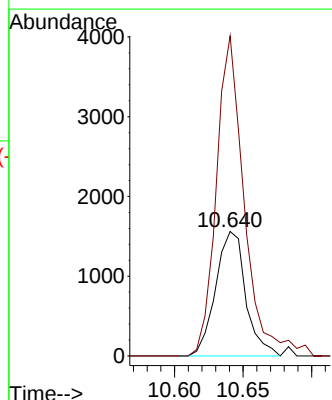
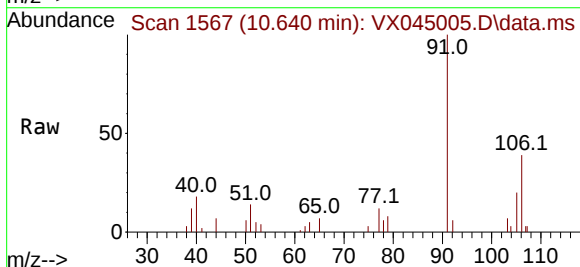
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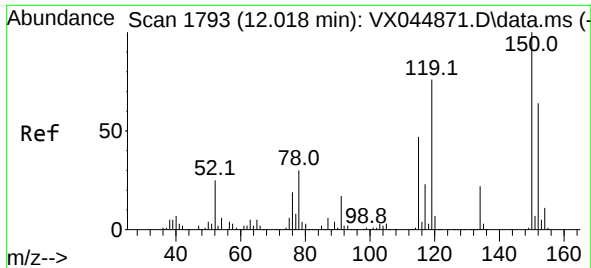
Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025



#69
o-Xylene
Concen: 1.039 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045005.D
Acq: 19 Feb 2025 15:28

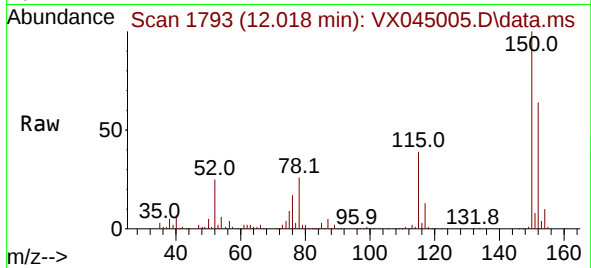
Tgt Ion:106 Resp: 2380
Ion Ratio Lower Upper
106 100
91 239.2 108.5 325.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1793
 Delta R.T. 0.000 min
 Lab File: VX045005.D
 Acq: 19 Feb 2025 15:28

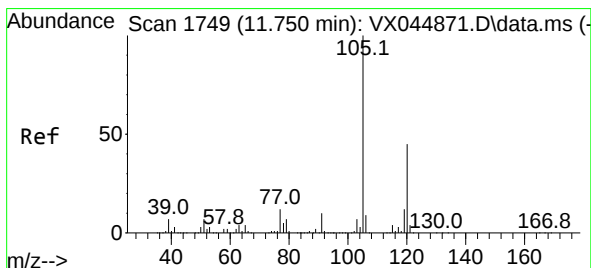
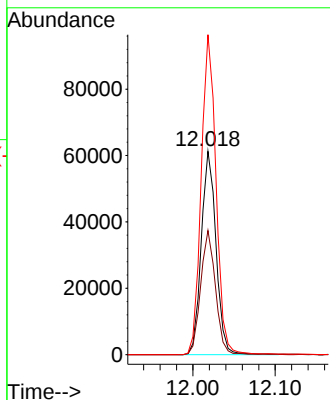
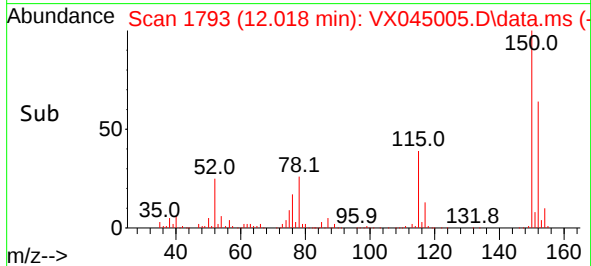
Instrument :
 MSVOA_X
 ClientSampleId :
 PURGE-WATER-COMP



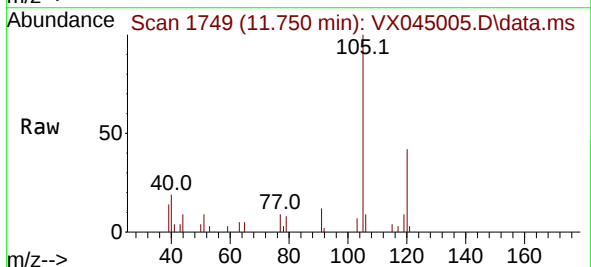
Tgt Ion:152 Resp: 76558
 Ion Ratio Lower Upper
 152 100
 115 61.4 43.4 130.1
 150 158.7 0.0 350.4

Manual Integrations
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Reviewed By :John Carlone 02/20/2025
 Supervised By :Mahesh Dadoda 02/20/2025



#84
 1,2,4-Trimethylbenzene
 Concen: 0.644 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX045005.D
 Acq: 19 Feb 2025 15:28



Tgt Ion:105 Resp: 3181
 Ion Ratio Lower Upper
 105 100
 120 48.5 22.4 67.0

