

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047451.D
 Acq On : 20 Aug 2025 18:18
 Operator : JC/MD
 Sample : Q2878-01DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-57.5-081325DL

Quant Time: Aug 21 01:37:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/21/2025
 Supervised By : Mahesh Dadoda 08/22/2025

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	215725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	432331	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	427580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	219266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	168273	55.735	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.480%			
35) Dibromofluoromethane	5.403	113	140124	49.940	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.880%			
50) Toluene-d8	8.653	98	502298	50.085	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.160%			
62) 4-Bromofluorobenzene	11.079	95	211301	57.095	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.180%			
Target Compounds					Qvalue	
4) Vinyl Chloride	1.392	62	15518	4.998	ug/l #	55
9) 1,1,2-Trichlorotrifluo...	2.355	101	921	0.346	ug/l	88
12) 1,1-Dichloroethene	2.337	96	2062	0.759	ug/l	98
16) Acetone	2.398	43	5950	5.243	ug/l	91
17) Carbon Disulfide	2.532	76	4859	0.593	ug/l	98
20) Methylene Chloride	2.812	84	959	0.319	ug/l #	78
21) trans-1,2-Dichloroethene	3.117	96	3018	1.047	ug/l #	87
24) 1,1-Dichloroethane	3.629	63	3602	0.683	ug/l #	93
27) cis-1,2-Dichloroethene	4.507	96	273342	81.407	ug/l	89
29) Tetrahydrofuran	5.056	42	2399m	2.497	ug/l	
40) Benzene	6.062	78	8309	0.627	ug/l	94
44) Trichloroethene	7.135	130	49879	14.693	ug/l	94
52) Toluene	8.726	92	4849	0.592	ug/l	91
67) Ethyl Benzene	10.201	91	7353	0.420	ug/l	100
68) m/p-Xylenes	10.305	106	2534	0.389	ug/l	93
95) Naphthalene	13.774	128	140385	9.645	ug/l	100

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

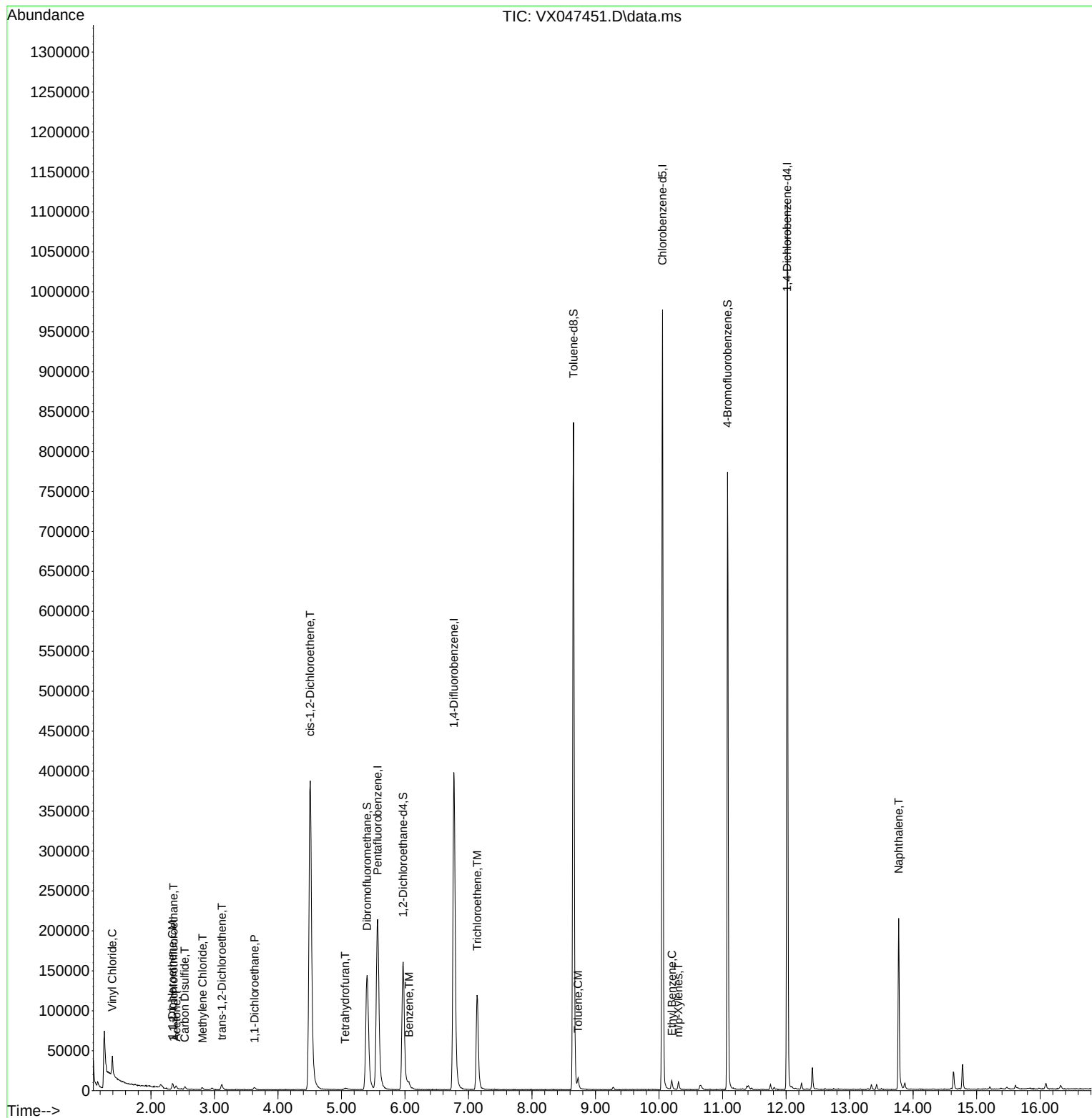
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047451.D
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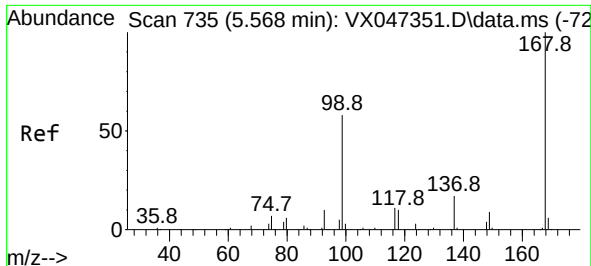
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL

Quant Time: Aug 21 01:37:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
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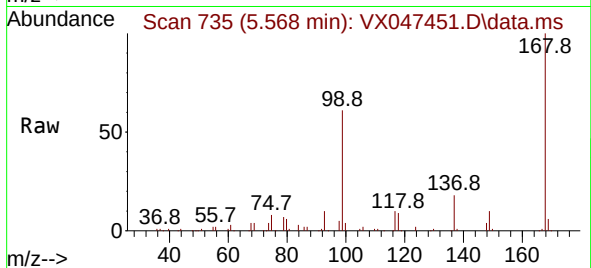
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

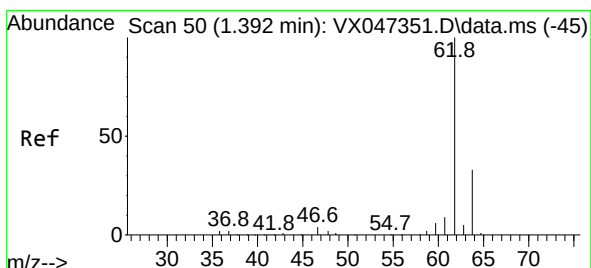
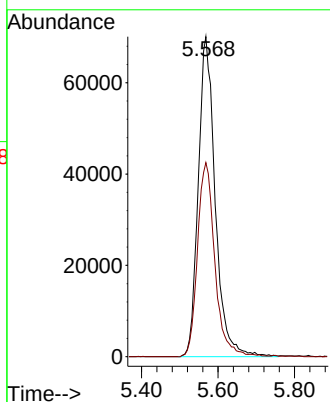
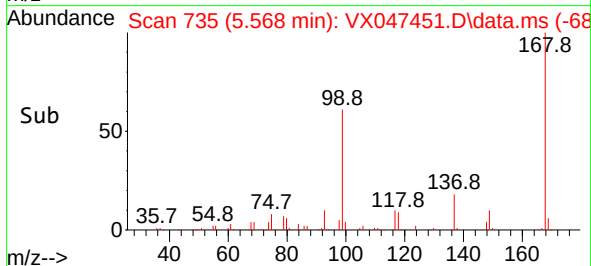
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL



Tgt Ion:168 Resp: 21572
Ion Ratio Lower Upper
168 100
99 60.7 47.9 71.9

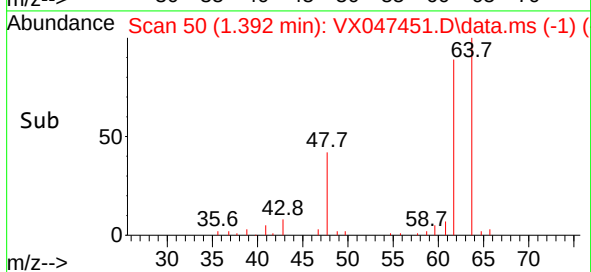
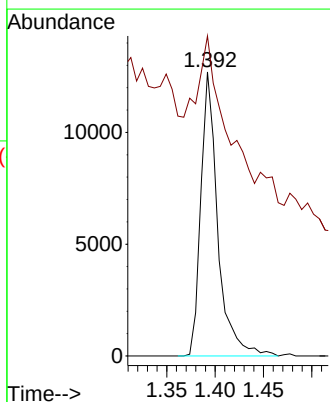
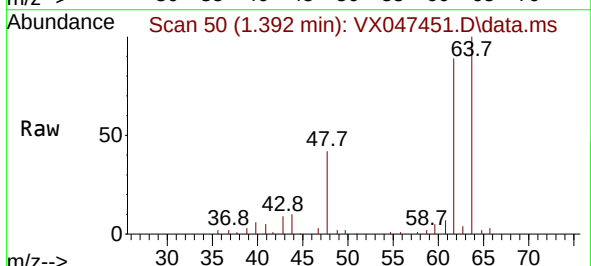
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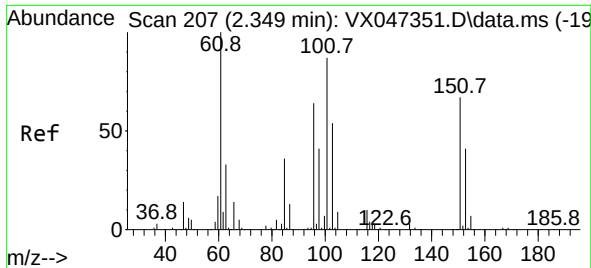
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#4
Vinyl Chloride
Concen: 4.998 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion: 62 Resp: 15518
Ion Ratio Lower Upper
62 100
64 58.7 26.5 39.7#





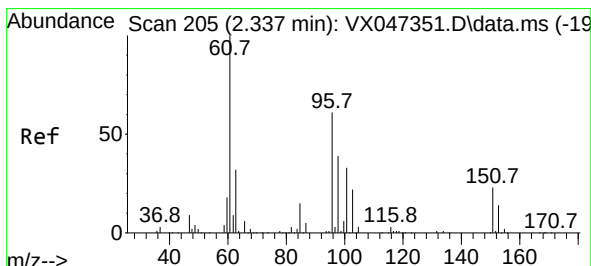
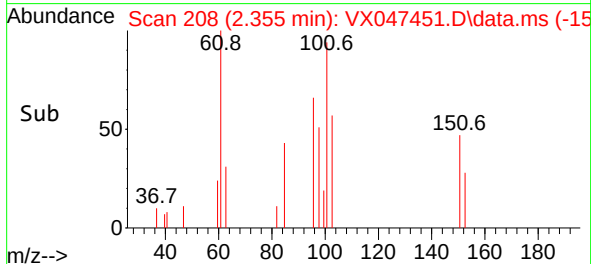
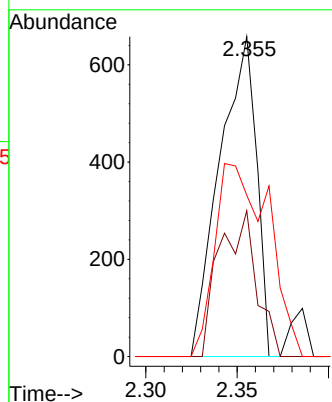
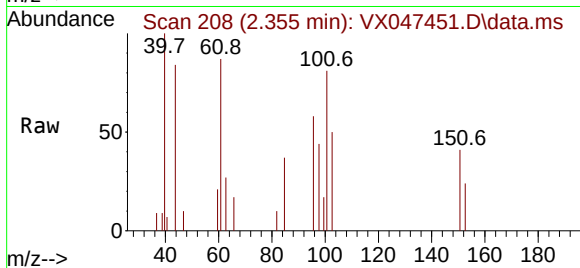
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.346 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.006 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL

Tgt Ion: 101 Resp: 92
Ion Ratio Lower Upper
101 100
85 46.0 34.3 51.5
151 87.9 59.2 88.8

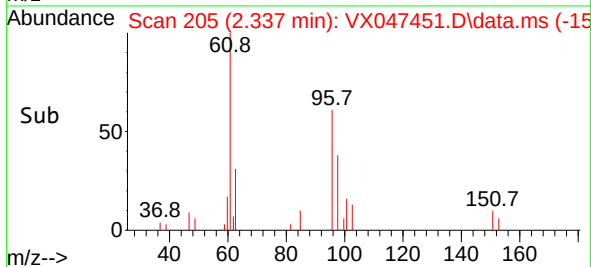
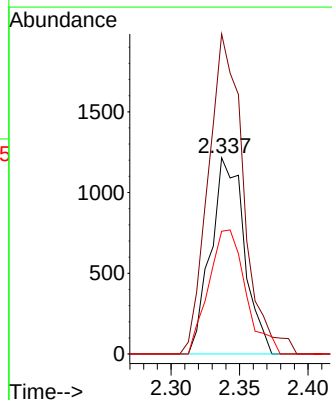
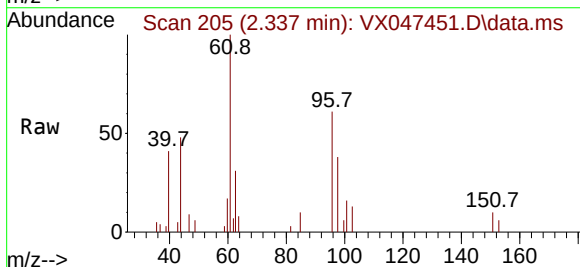
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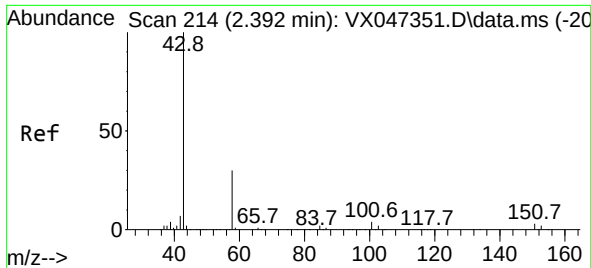
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#12
1,1-Dichloroethene
Concen: 0.759 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

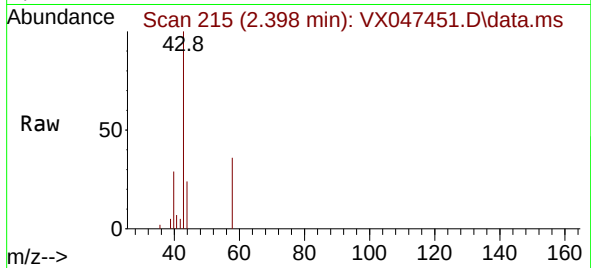
Tgt Ion: 96 Resp: 2062
Ion Ratio Lower Upper
96 100
61 163.1 132.2 198.2
98 62.6 51.2 76.8





#16
Acetone
Concen: 5.243 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

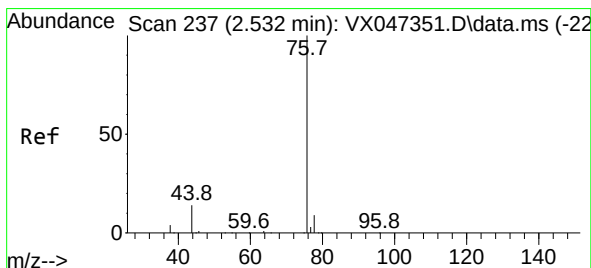
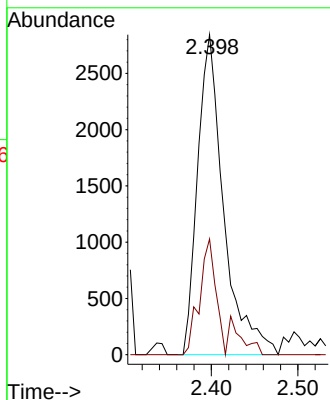
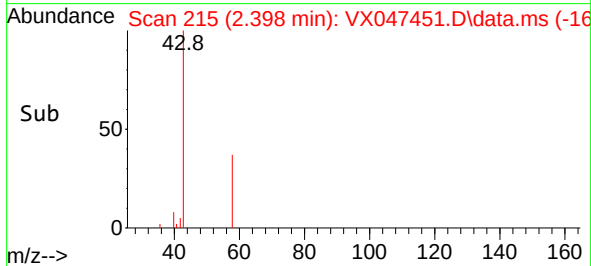
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL



Tgt Ion: 43 Resp: 5950
Ion Ratio Lower Upper
43 100
58 36.2 24.8 37.2

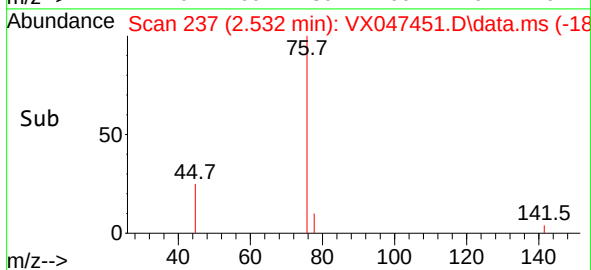
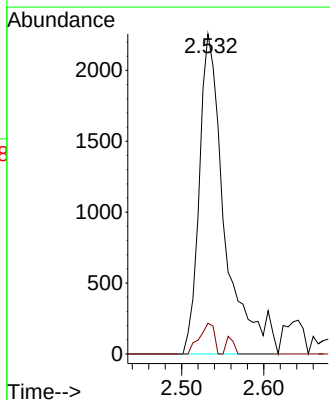
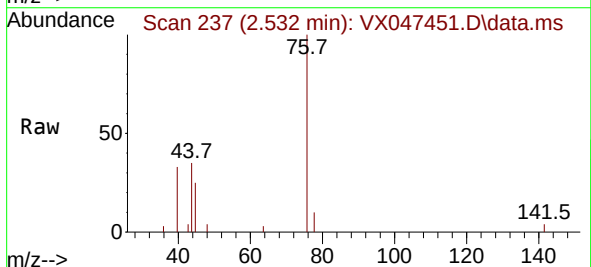
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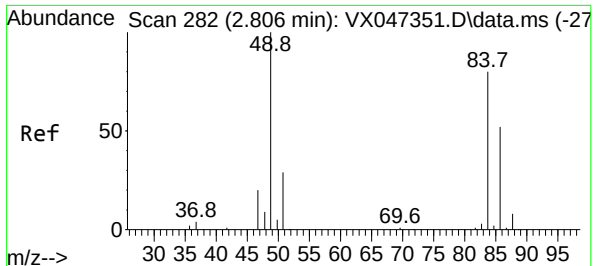
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#17
Carbon Disulfide
Concen: 0.593 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

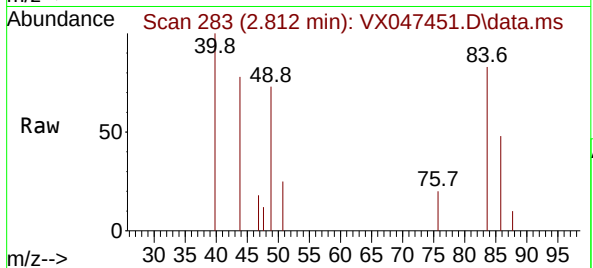
Tgt Ion: 76 Resp: 4859
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8





#20
Methylene Chloride
Concen: 0.319 ug/l
RT: 2.812 min Scan# 283
Delta R.T. 0.006 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

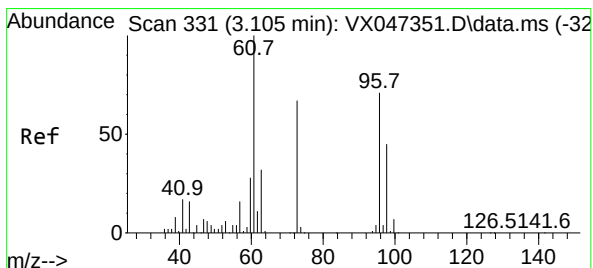
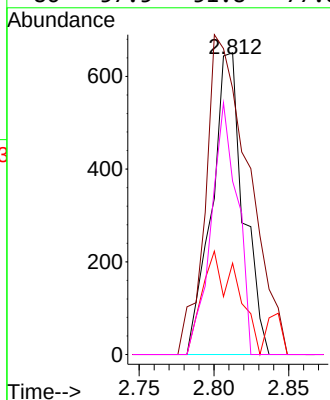
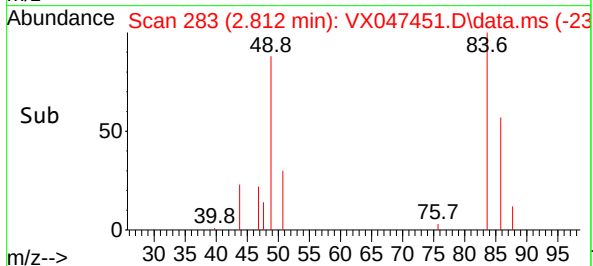
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL



Tgt Ion: 84 Resp: 959
Ion Ratio Lower Upper
84 100
49 88.2 100.1 150.1
51 30.3 29.5 44.3
86 57.5 51.8 77.8

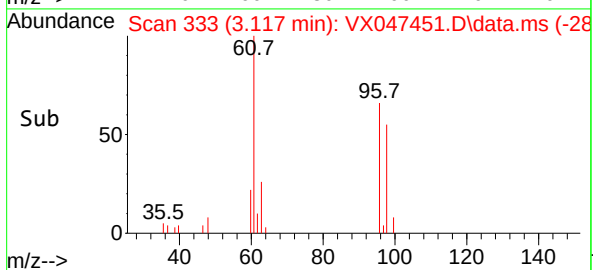
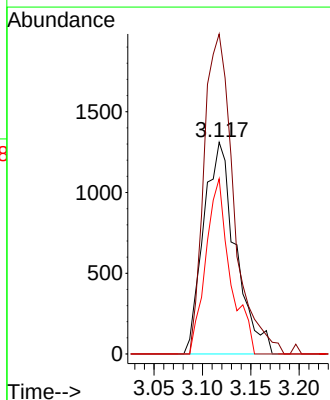
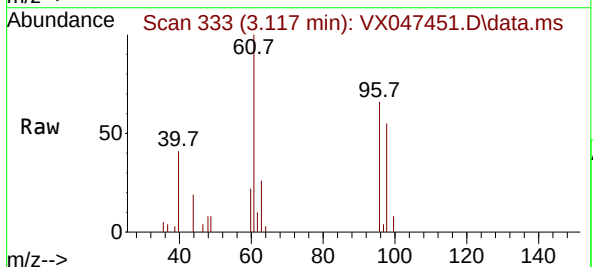
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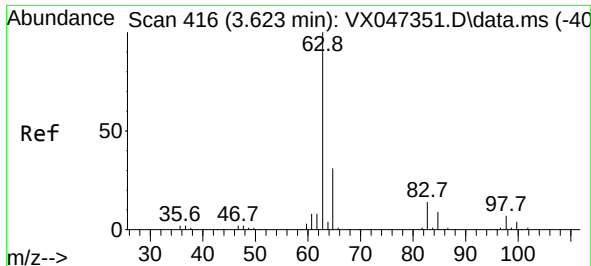
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#21
trans-1,2-Dichloroethene
Concen: 1.047 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.012 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion: 96 Resp: 3018
Ion Ratio Lower Upper
96 100
61 151.1 112.6 169.0
98 82.8 50.9 76.3#





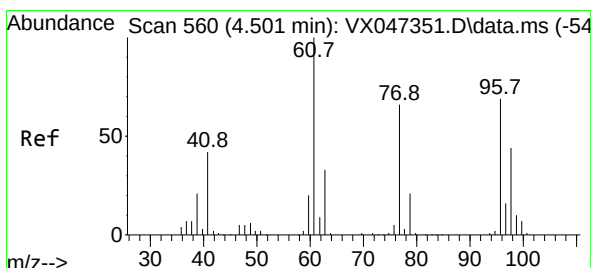
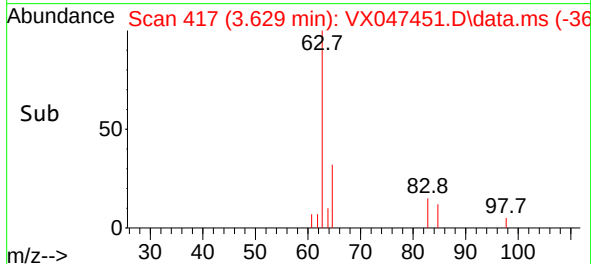
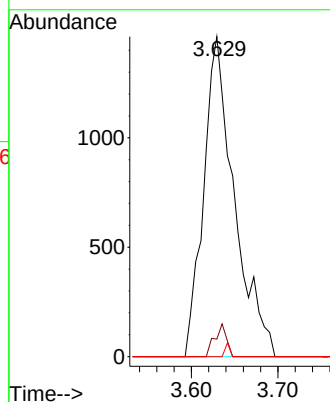
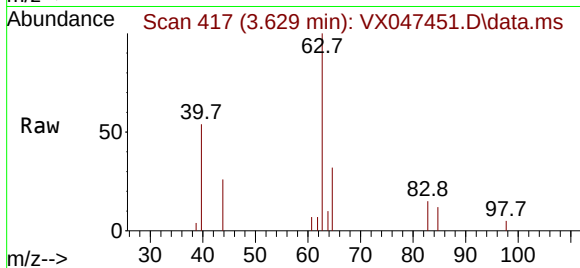
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1,1-Dichloroethane
Concen: 0.683 ug/l
RT: 3.629 min Scan# 416
Delta R.T. 0.006 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL

Tgt Ion: 63 Resp: 360
Ion Ratio Lower Upper
63 100
98 5.5 3.3 9.9
100 0.0 2.1 6.3

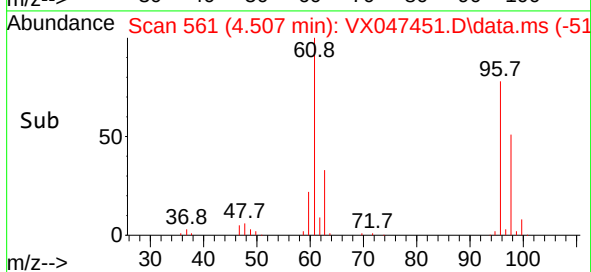
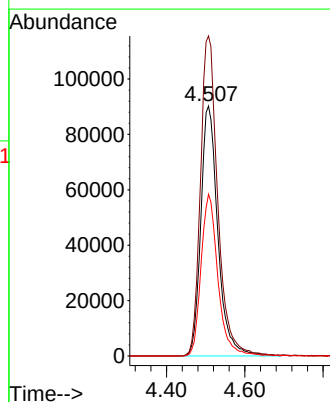
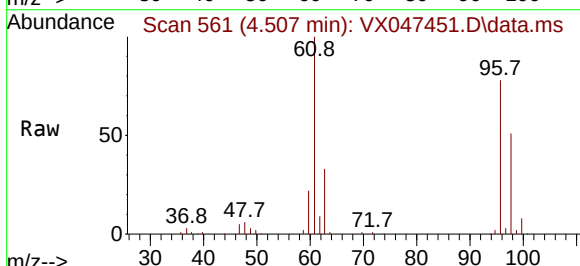
Manual Integrations
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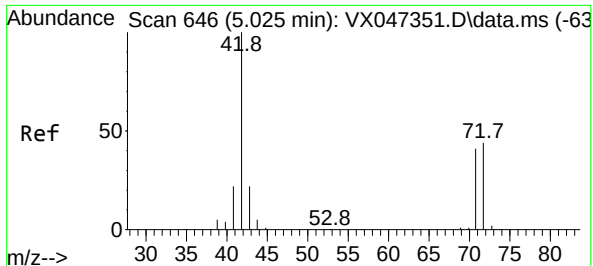
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#27
cis-1,2-Dichloroethene
Concen: 81.407 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.006 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion: 96 Resp: 273342
Ion Ratio Lower Upper
96 100
61 129.7 0.0 296.6
98 63.7 0.0 130.4





#29

Tetrahydrofuran

Concen: 2.497 ug/l m

RT: 5.056 min Scan# 6

Delta R.T. 0.031 min

Lab File: VX047451.D

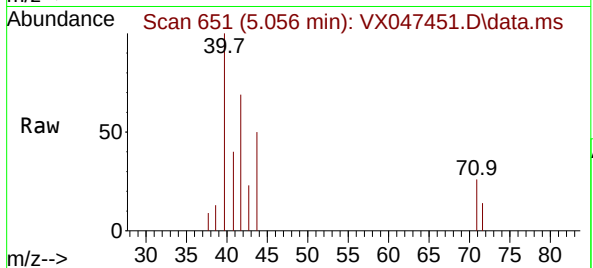
Acq: 20 Aug 2025 18:18

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325DL



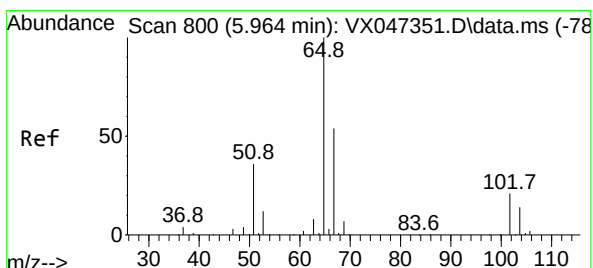
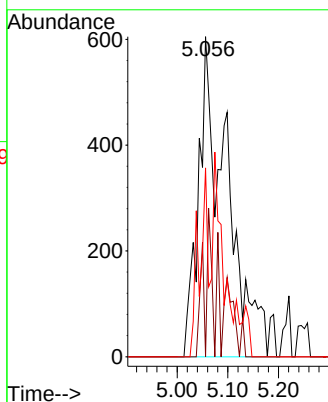
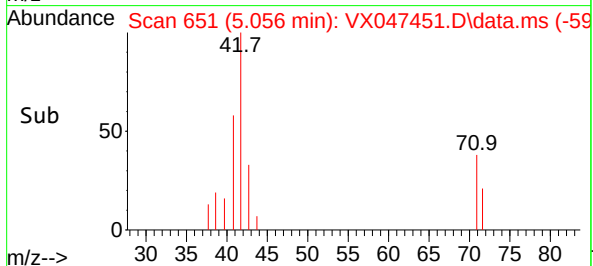
Tgt Ion:	42	Resp:	239
Ion	Ratio	Lower	Upper
42	100		
72	6.8	34.6	51.8
71	17.4	32.6	49.0

Manual Integrations

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Supervised By :Mahesh Dadoda 08/22/2025



#33

1,2-Dichloroethane-d4

Concen: 55.735 ug/l

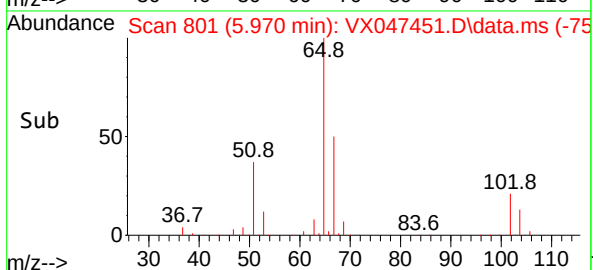
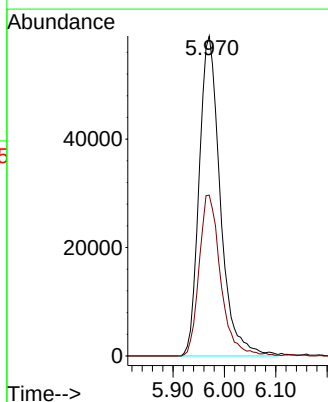
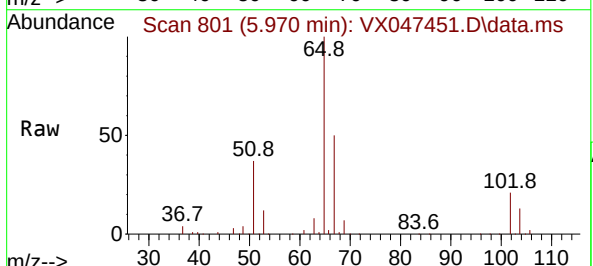
RT: 5.970 min Scan# 801

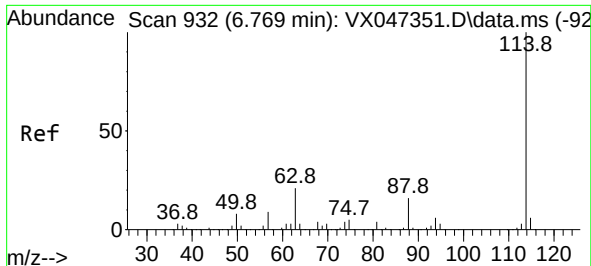
Delta R.T. 0.006 min

Lab File: VX047451.D

Acq: 20 Aug 2025 18:18

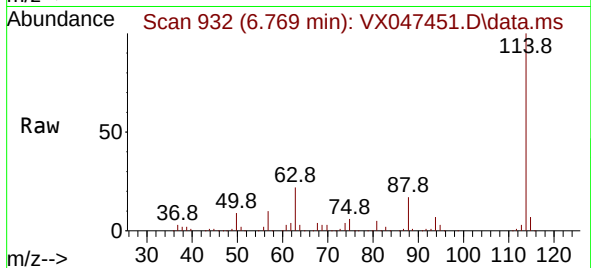
Tgt Ion:	65	Resp:	168273
Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	106.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

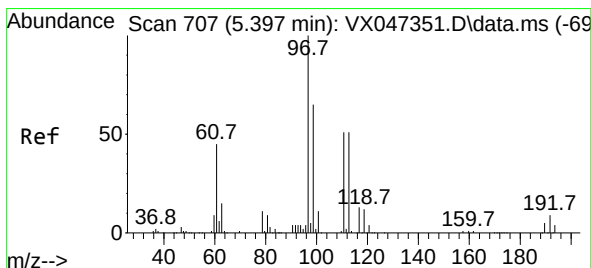
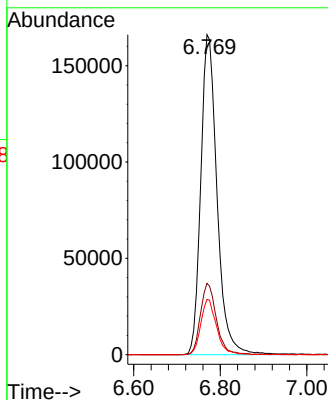
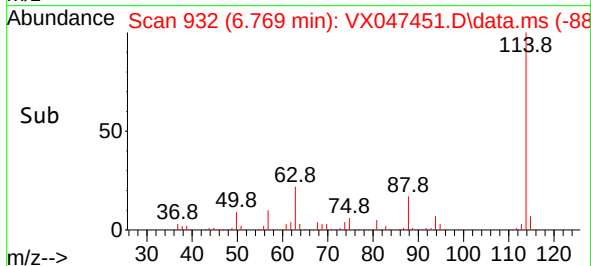
Instrument :
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ClientSampleId :
MW-18B-57.5-081325DL



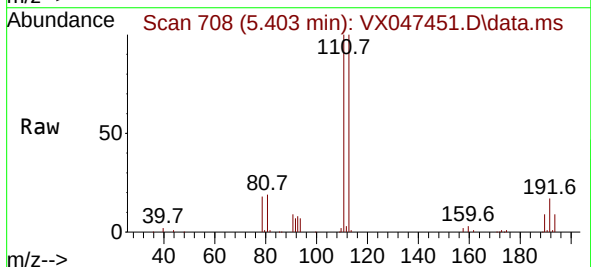
Tgt Ion:114 Resp: 43233
Ion Ratio Lower Upper
114 100
63 22.3 0.0 42.4
88 17.2 0.0 33.0

Manual Integrations
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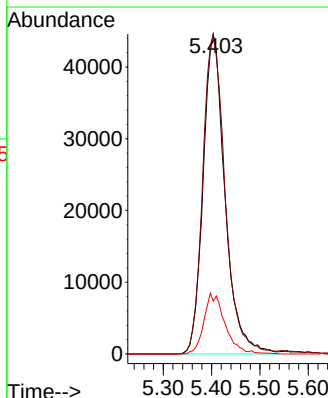
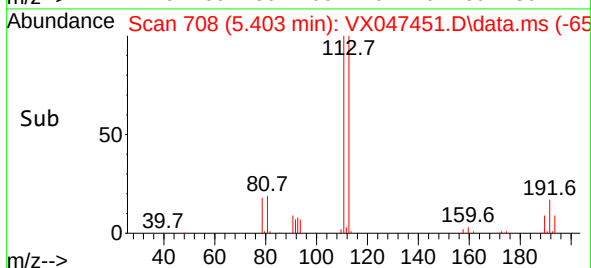
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

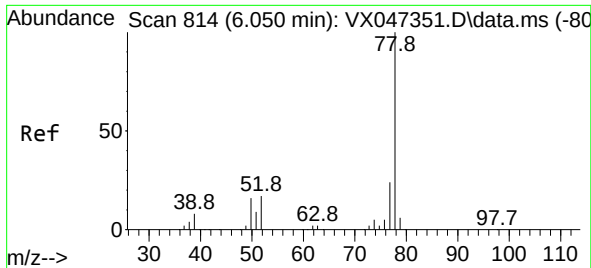


#35
Dibromofluoromethane
Concen: 49.940 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18



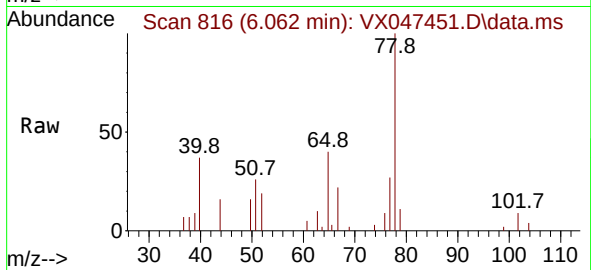
Tgt Ion:113 Resp: 140124
Ion Ratio Lower Upper
113 100
111 102.0 81.4 122.2
192 18.4 14.1 21.1





#40
Benzene
Concen: 0.627 ug/l
RT: 6.062 min Scan# 814
Delta R.T. 0.012 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

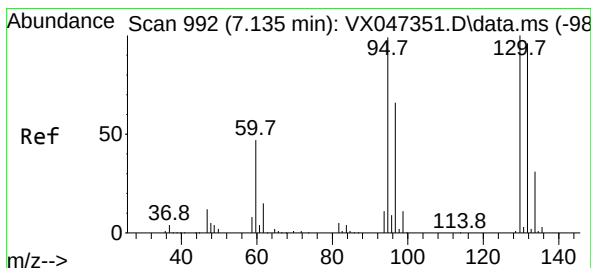
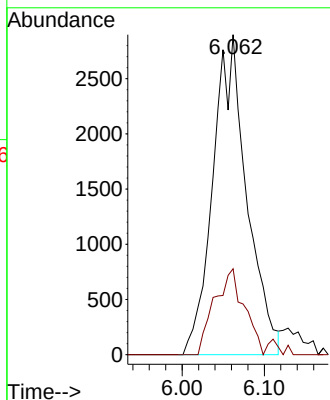
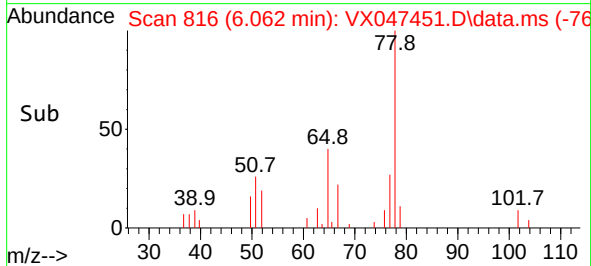
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL



Tgt Ion: 78 Resp: 8309
Ion Ratio Lower Upper
78 100
77 26.8 19.0 28.4

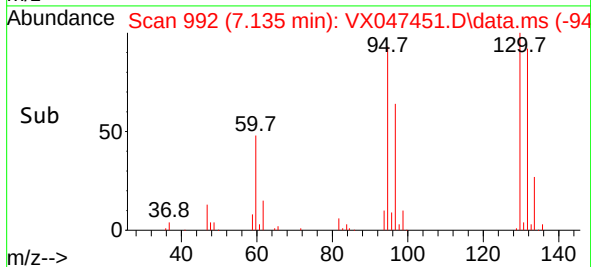
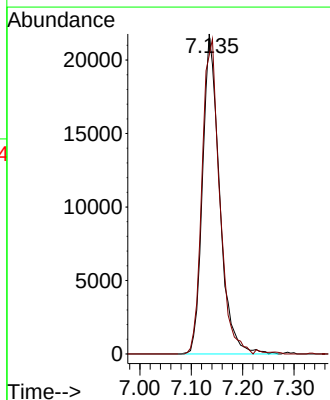
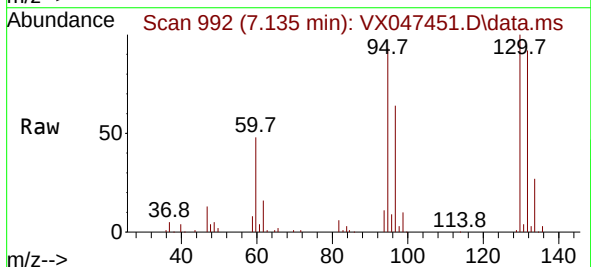
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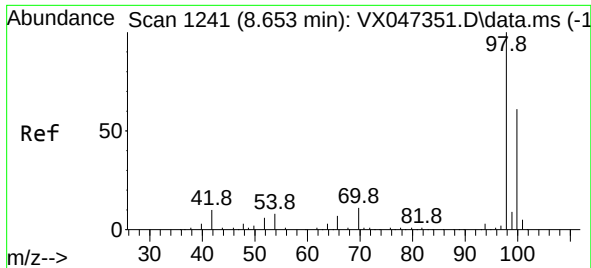
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#44
Trichloroethene
Concen: 14.693 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion:130 Resp: 49879
Ion Ratio Lower Upper
130 100
95 93.4 0.0 198.6





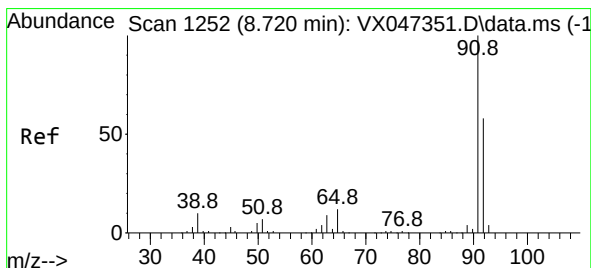
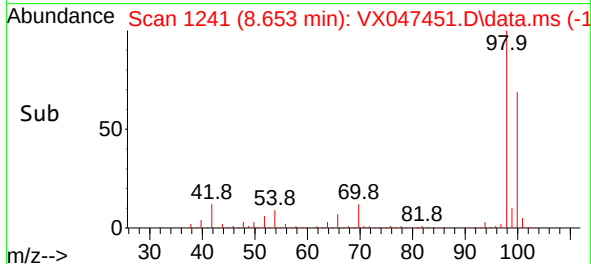
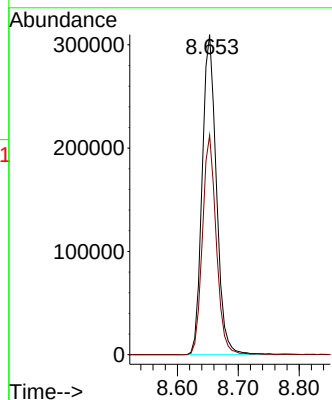
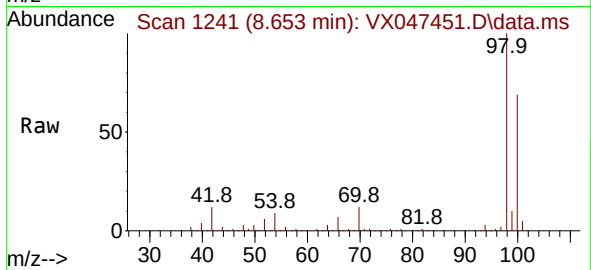
#50
Toluene-d8
Concen: 50.085 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL

Tgt Ion: 98 Resp: 502298
Ion Ratio Lower Upper
98 100
100 66.6 53.9 80.9

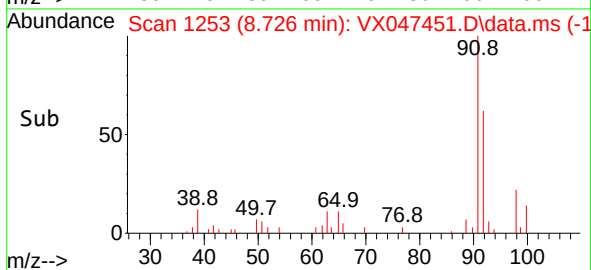
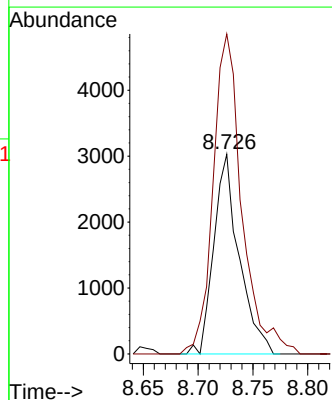
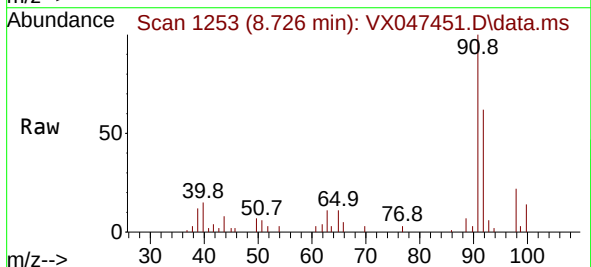
Manual Integrations
APPROVED

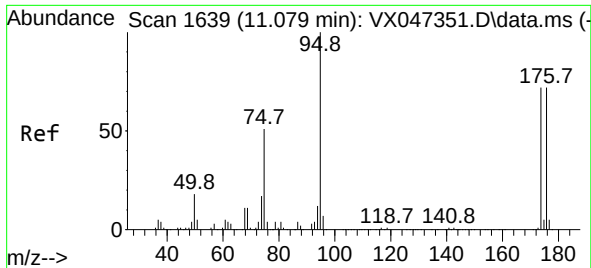
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#52
Toluene
Concen: 0.592 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

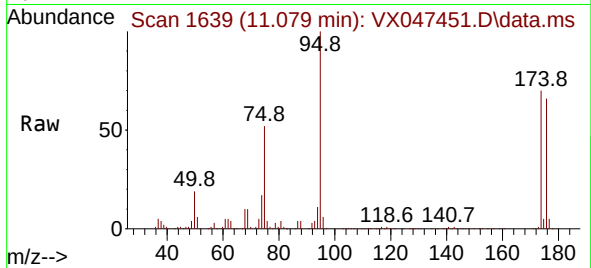
Tgt Ion: 92 Resp: 4849
Ion Ratio Lower Upper
92 100
91 182.9 136.3 204.5





#62
4-Bromofluorobenzene
Concen: 57.095 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

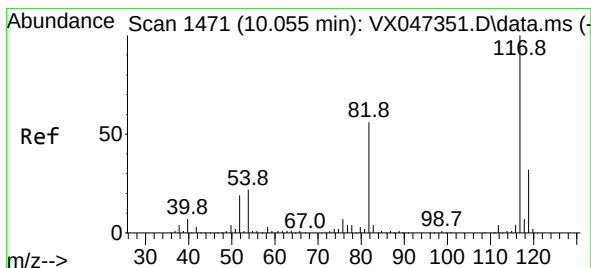
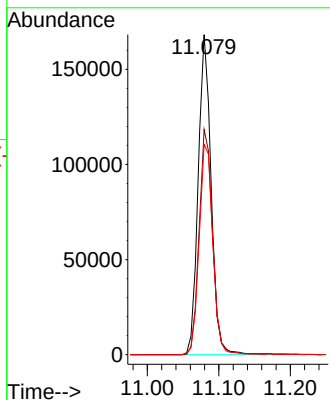
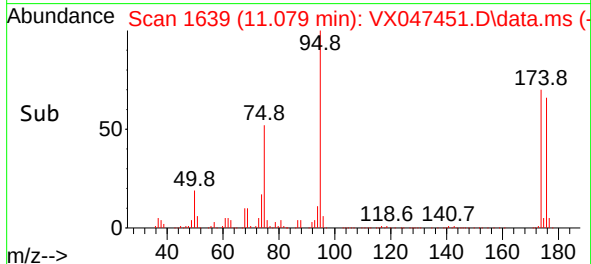
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL



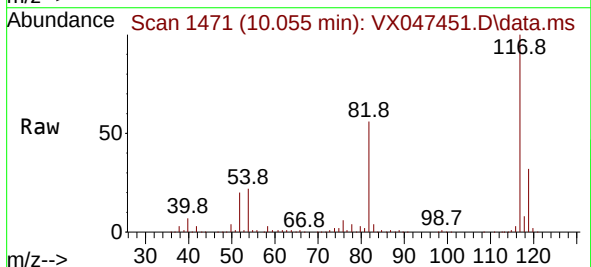
Tgt Ion: 95 Resp: 21130
Ion Ratio Lower Upper
95 100
174 73.3 0.0 148.0
176 69.5 0.0 145.4

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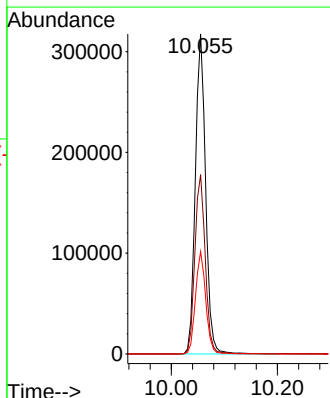
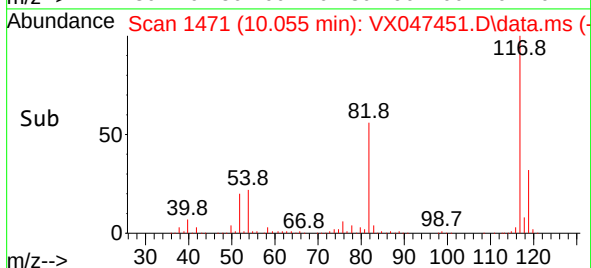
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

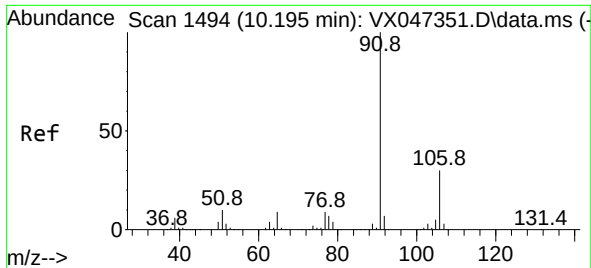


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18



Tgt Ion:117 Resp: 427580
Ion Ratio Lower Upper
117 100
82 56.0 45.0 67.4
119 32.0 25.8 38.8





#67

Ethyl Benzene

Concen: 0.420 ug/l

RT: 10.201 min Scan# 1495

Delta R.T. 0.006 min

Lab File: VX047451.D

Acq: 20 Aug 2025 18:18

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325DL

Tgt Ion: 91 Resp: 735

Ion Ratio Lower Upper

91 100

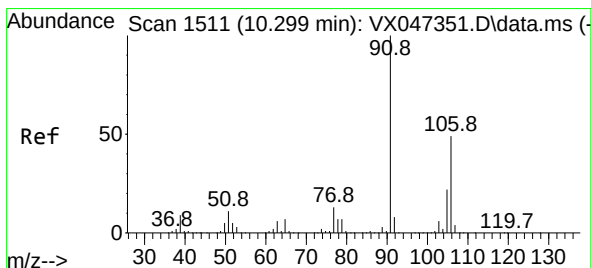
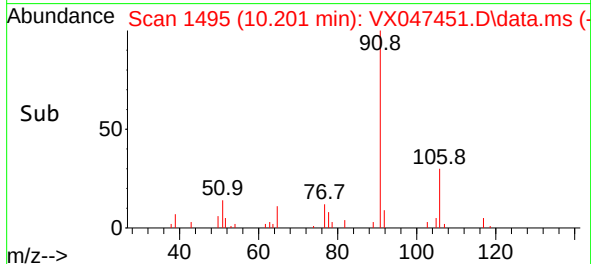
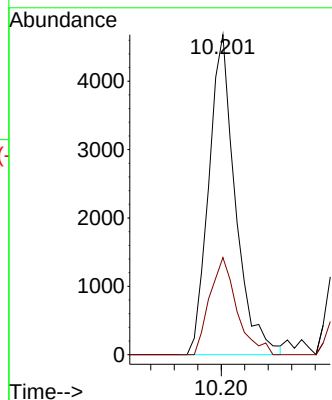
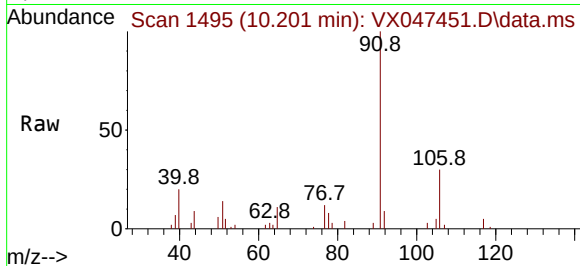
106 30.4 24.4 36.6

Manual Integrations

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Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#68

m/p-Xylenes

Concen: 0.389 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX047451.D

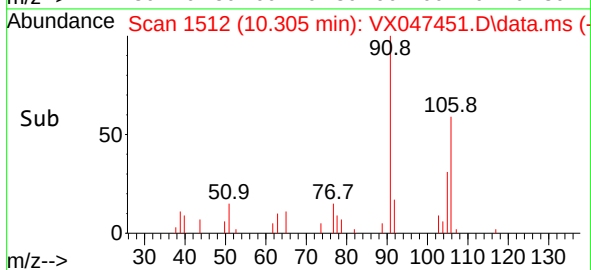
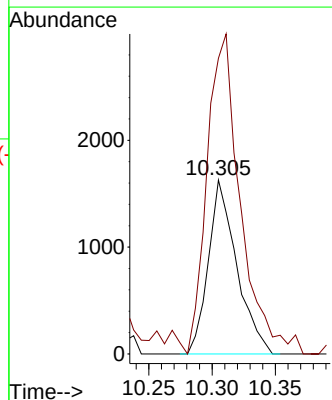
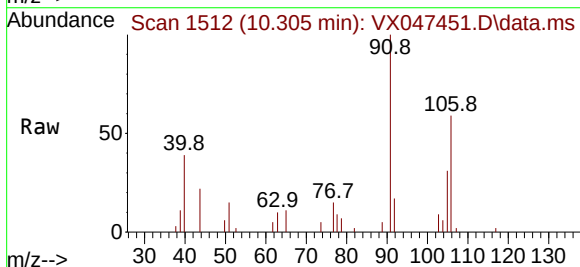
Acq: 20 Aug 2025 18:18

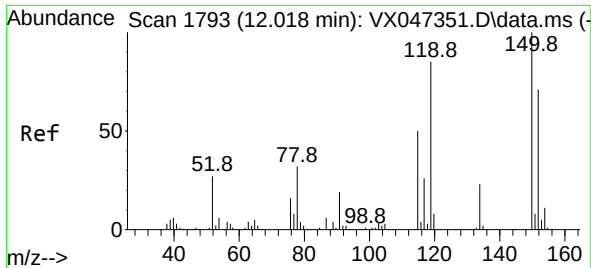
Tgt Ion:106 Resp: 2534

Ion Ratio Lower Upper

106 100

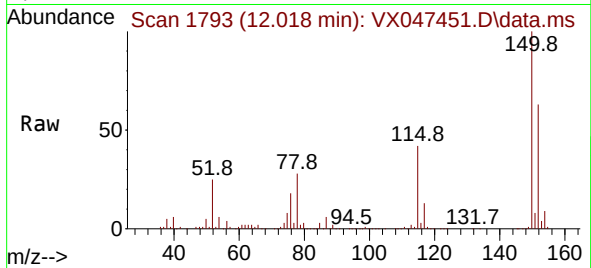
91 216.9 164.7 247.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

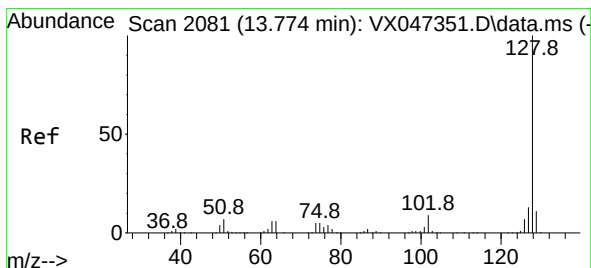
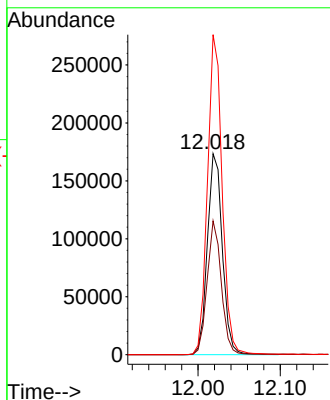
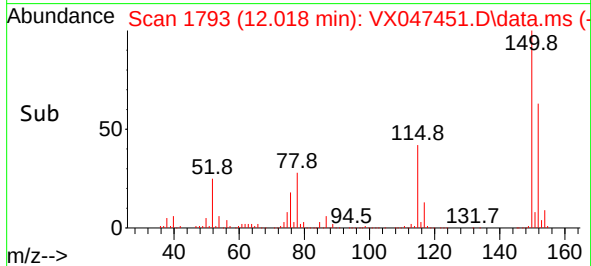
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL



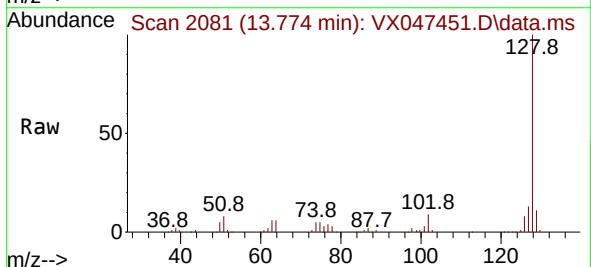
Tgt Ion:152 Resp: 219260
Ion Ratio Lower Upper
152 100
115 63.4 44.6 133.8
150 156.6 0.0 349.8

Manual Integrations
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Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#95
Naphthalene
Concen: 9.645 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18



Tgt Ion:128 Resp: 140385
Ion Ratio Lower Upper
128 100
127 12.5 10.1 15.1
129 10.7 8.7 13.1

