

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092225\
 Data File : VX047709.D
 Acq On : 22 Sep 2025 16:53
 Operator : JC/MD
 Sample : Q3136-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 34923

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/23/2025
 Supervised By : Mahesh Dadoda 09/24/2025

Quant Time: Sep 23 01:38:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	134100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	278097	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	274230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	107143	50.195	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.400%			
35) Dibromofluoromethane	5.373	113	88284	47.335	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.680%			
50) Toluene-d8	8.634	98	314777	48.776	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.560%			
62) 4-Bromofluorobenzene	11.067	95	133291	54.422	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.840%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.946	59	2611	10.983	ug/l #	92
16) Acetone	2.373	43	32367	34.874	ug/l	94
18) Methyl Acetate	2.703	43	13380	6.478	ug/l	98
20) Methylene Chloride	2.794	84	31700	16.136	ug/l	93
25) 2-Butanone	4.556	43	7531m	6.505	ug/l	
37) Ethyl Acetate	4.714	43	7685m	2.634	ug/l	
40) Benzene	6.031	78	180506	21.807	ug/l	98
43) Isopropyl Acetate	6.336	43	12199	2.549	ug/l	97
52) Toluene	8.701	92	138433	27.145	ug/l	97
67) Ethyl Benzene	10.177	91	24907	2.317	ug/l	98
68) m/p-Xylenes	10.287	106	43184	10.793	ug/l	98
69) o-Xylene	10.628	106	25319	6.543	ug/l	100
70) Styrene	10.640	104	12285	1.812	ug/l #	75
84) 1,2,4-Trimethylbenzene	11.738	105	26109	2.966	ug/l	78
95) Naphthalene	13.755	128	706231	77.468	ug/l	100

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

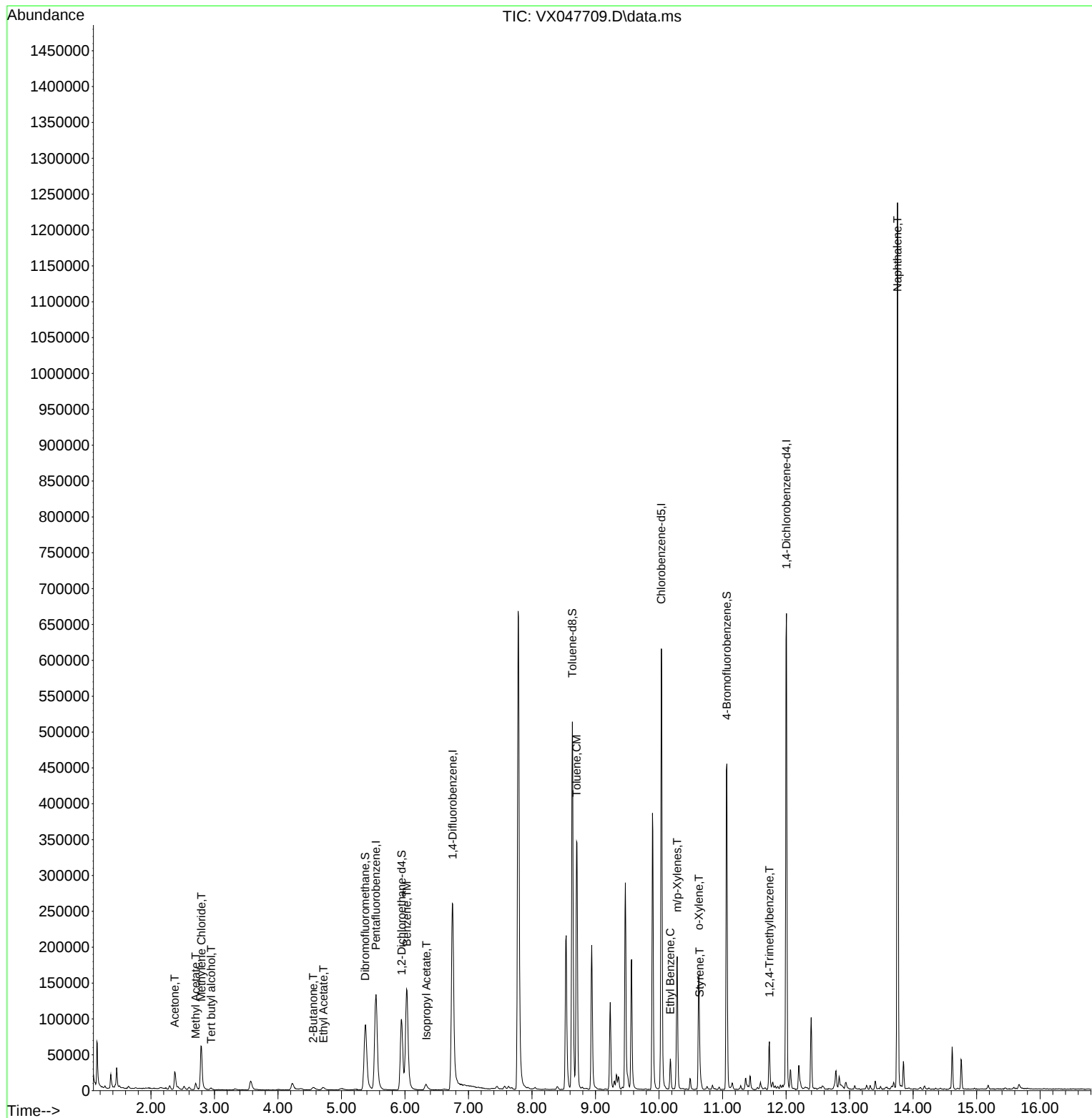
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092225\
Data File : VX047709.D
Acq On : 22 Sep 2025 16:53
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Quant Time: Sep 23 01:38:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

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APPROVED

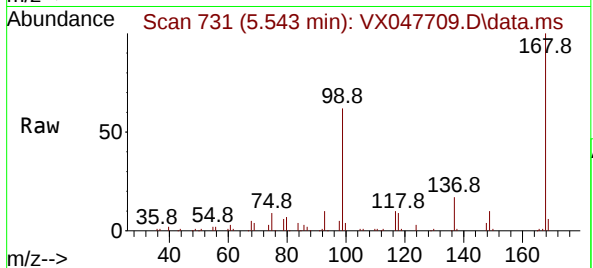
Reviewed By : John Carlone 09/23/2025
Supervised By : Mahesh Dadoda 09/24/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047709.D
Acq: 22 Sep 2025 16:53

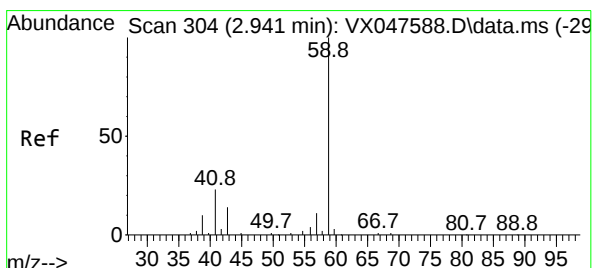
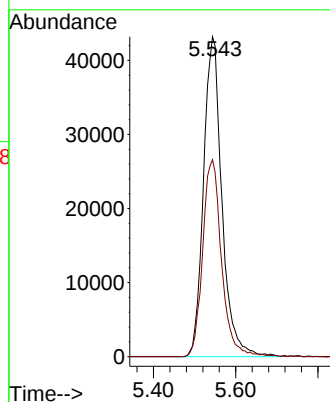
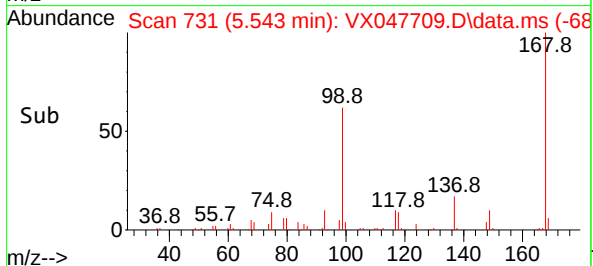
Instrument :
MSVOA_X
ClientSampleId :
34923



Tgt Ion:168 Resp: 134100
Ion Ratio Lower Upper
168 100
99 61.6 48.8 73.2

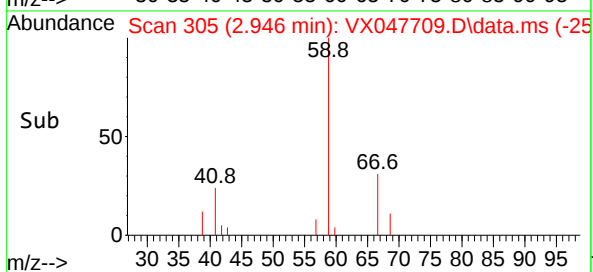
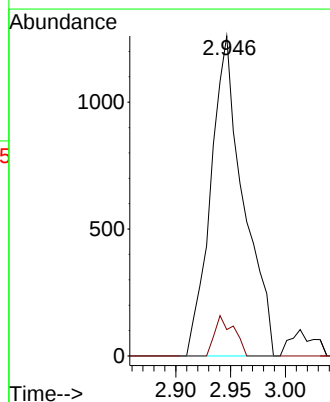
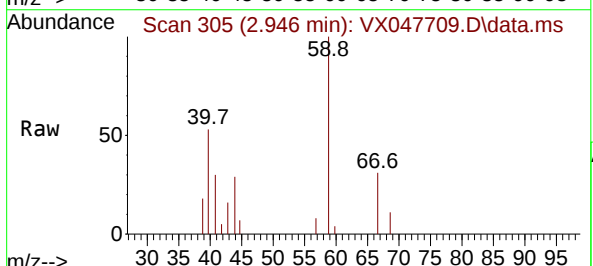
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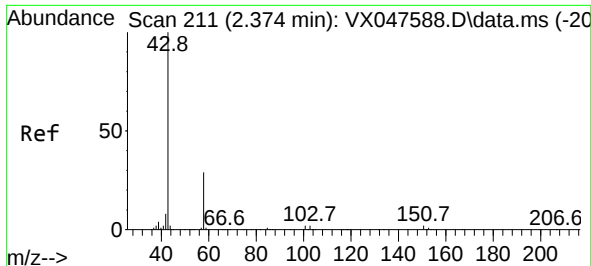
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#11
Tert butyl alcohol
Concen: 10.983 ug/l
RT: 2.946 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX047709.D
Acq: 22 Sep 2025 16:53

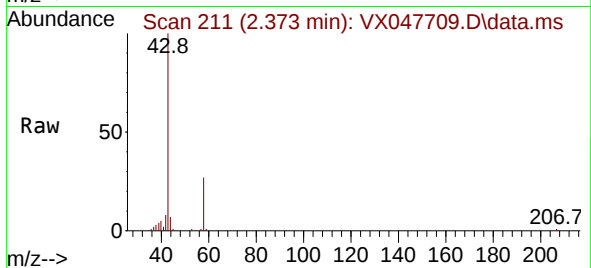
Tgt Ion: 59 Resp: 2611
Ion Ratio Lower Upper
59 100
57 7.4 8.3 12.5#





#16
Acetone
Concen: 34.874 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047709.D
Acq: 22 Sep 2025 16:53

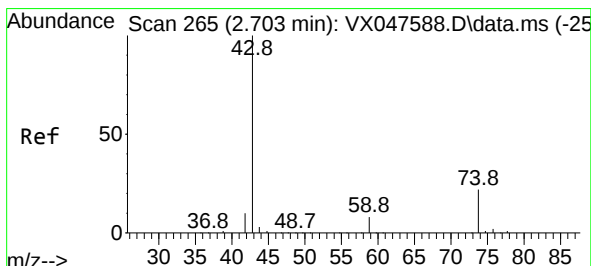
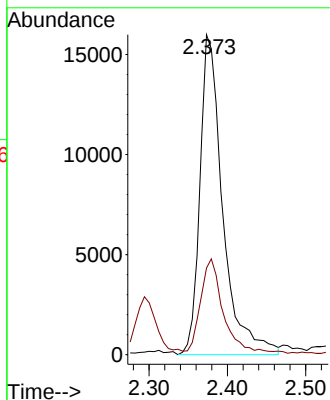
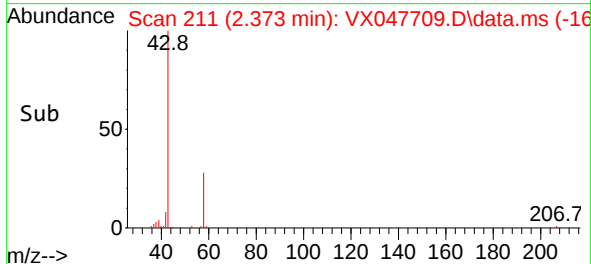
Instrument :
MSVOA_X
ClientSampleId :
34923



Tgt Ion: 43 Resp: 3236
Ion Ratio Lower Upper
43 100
58 26.0 23.4 35.0

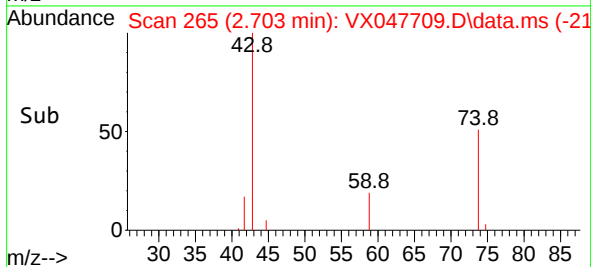
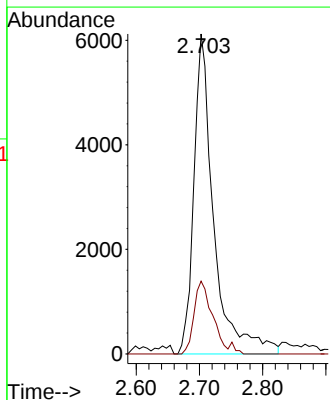
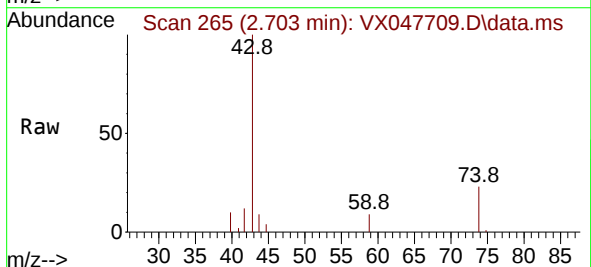
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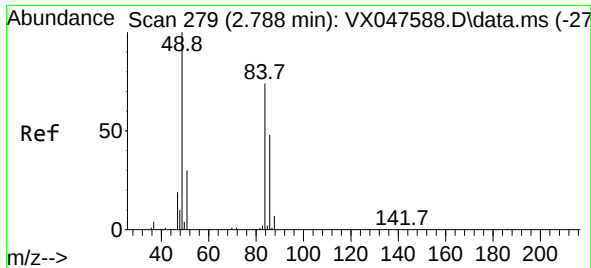
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#18
Methyl Acetate
Concen: 6.478 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047709.D
Acq: 22 Sep 2025 16:53

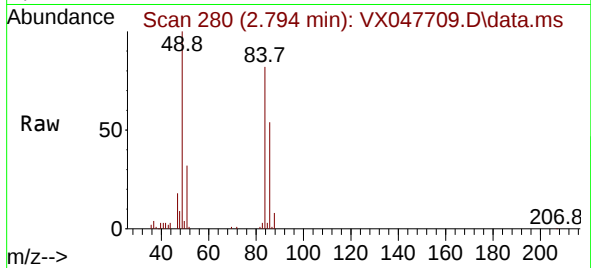
Tgt Ion: 43 Resp: 13380
Ion Ratio Lower Upper
43 100
74 20.9 17.4 26.2





#20
Methylene Chloride
Concen: 16.136 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047709.D
Acq: 22 Sep 2025 16:53

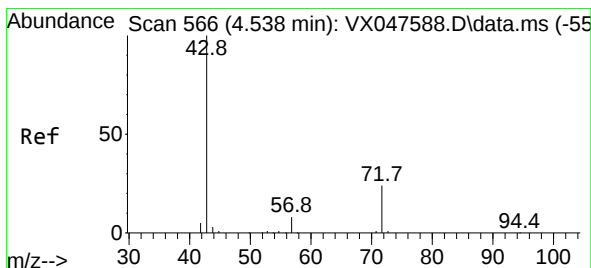
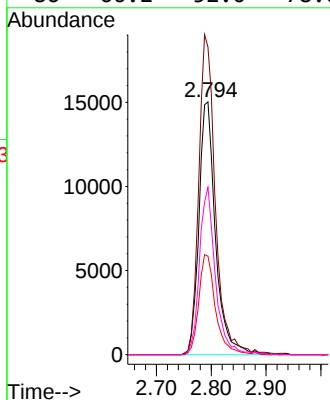
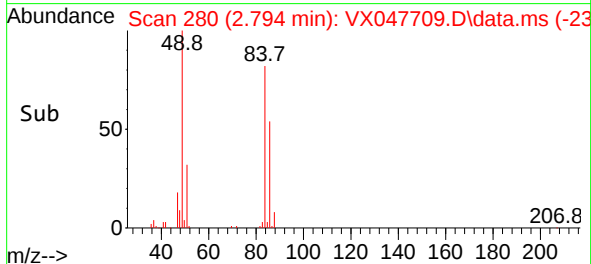
Instrument :
MSVOA_X
ClientSampleId :
34923



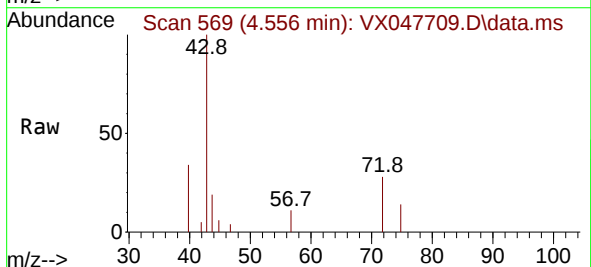
Tgt Ion: 84 Resp: 31700
Ion Ratio Lower Upper
84 100
49 121.7 108.6 162.8
51 39.0 32.6 48.8
86 66.2 52.0 78.0

Manual Integrations
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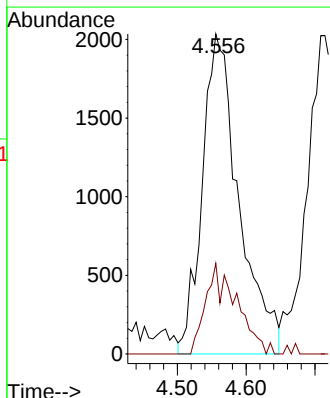
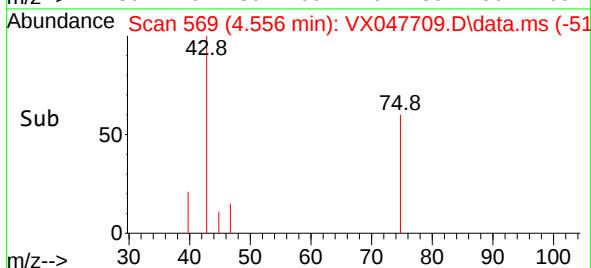
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

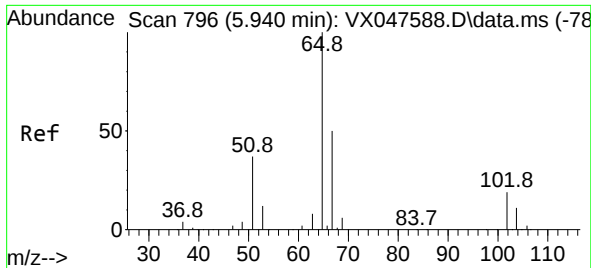


#25
2-Butanone
Concen: 6.505 ug/l m
RT: 4.556 min Scan# 569
Delta R.T. 0.018 min
Lab File: VX047709.D
Acq: 22 Sep 2025 16:53



Tgt Ion: 43 Resp: 7531
Ion Ratio Lower Upper
43 100
72 28.3 20.1 30.1





#33

1,2-Dichloroethane-d4

Concen: 50.195 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047709.D

Acq: 22 Sep 2025 16:53

Instrument :

MSVOA_X

ClientSampleId :

34923

Tgt Ion: 65 Resp: 10714

Ion Ratio Lower Upper

65 100

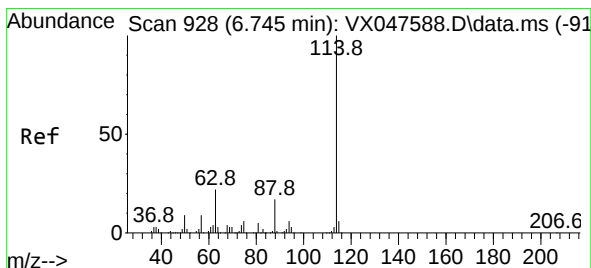
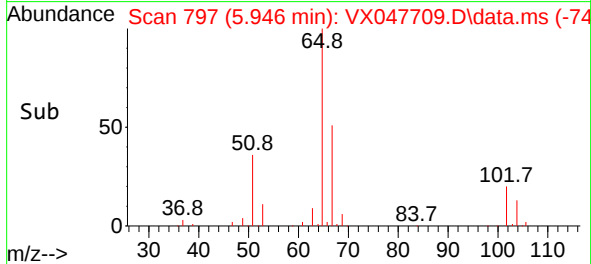
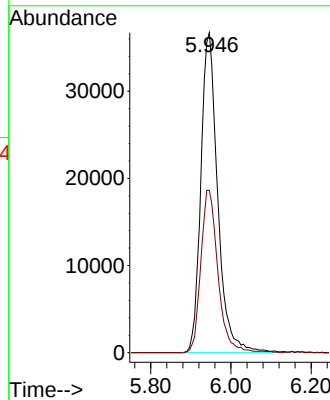
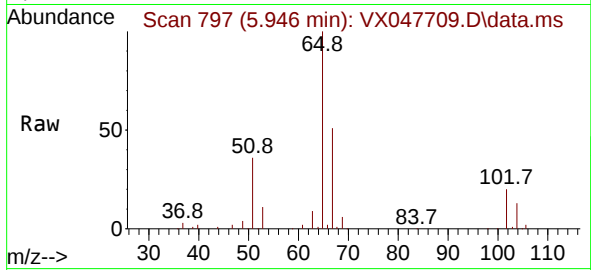
67 51.4 0.0 103.0

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 09/24/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047709.D

Acq: 22 Sep 2025 16:53

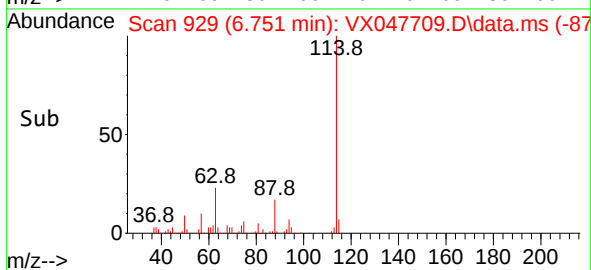
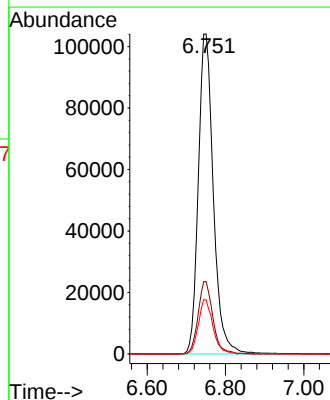
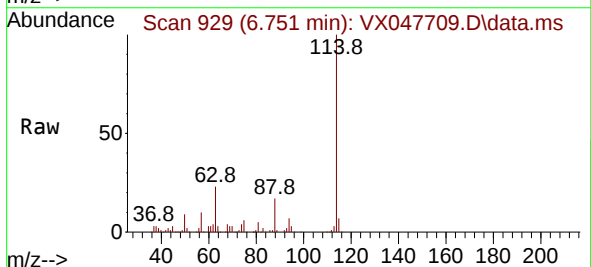
Tgt Ion:114 Resp: 278097

Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.0

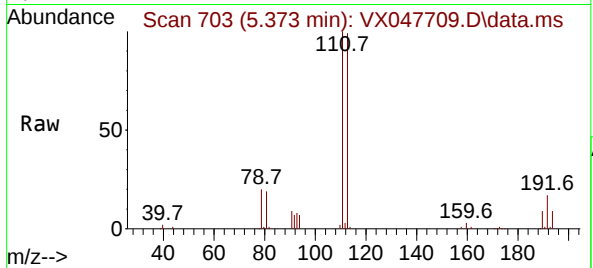
88 16.9 0.0 34.2





#35
Dibromofluoromethane
Concen: 47.335 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047709.D
Acq: 22 Sep 2025 16:53

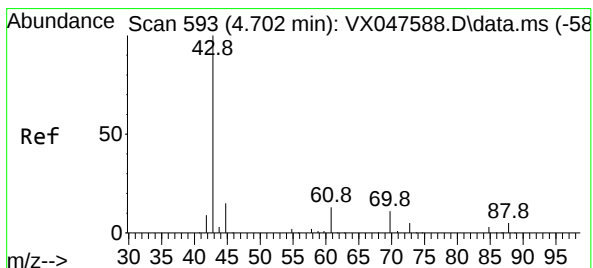
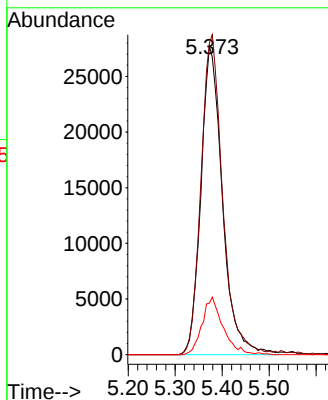
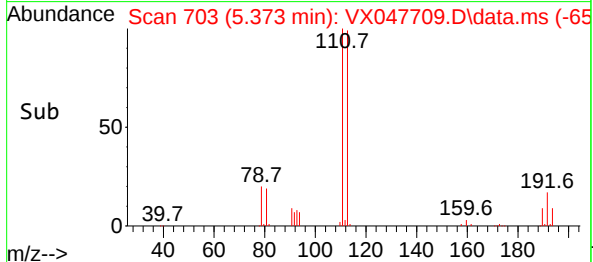
Instrument :
MSVOA_X
ClientSampleId :
34923



Tgt Ion:113 Resp: 88284
Ion Ratio Lower Upper
113 100
111 103.4 80.9 121.3
192 18.0 14.2 21.4

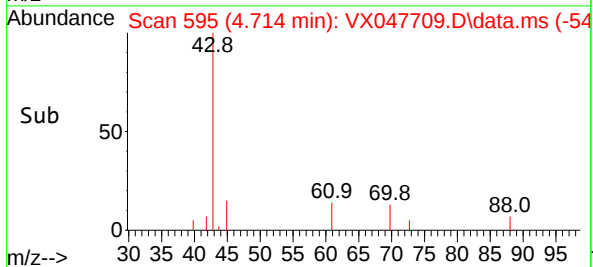
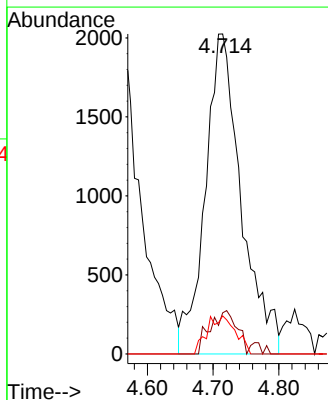
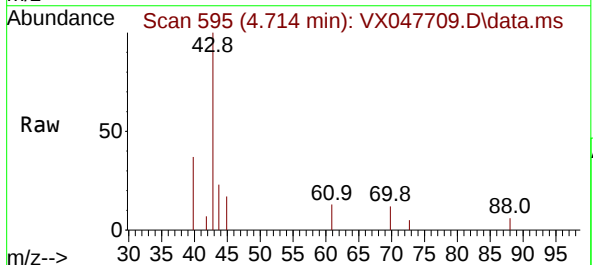
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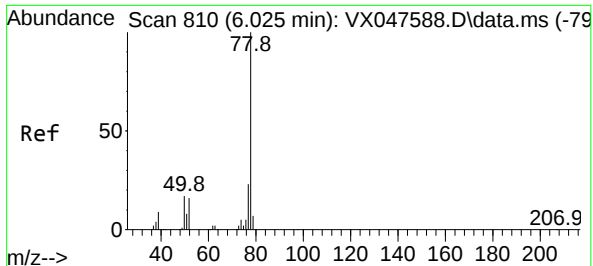
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#37
Ethyl Acetate
Concen: 2.634 ug/l m
RT: 4.714 min Scan# 595
Delta R.T. 0.012 min
Lab File: VX047709.D
Acq: 22 Sep 2025 16:53

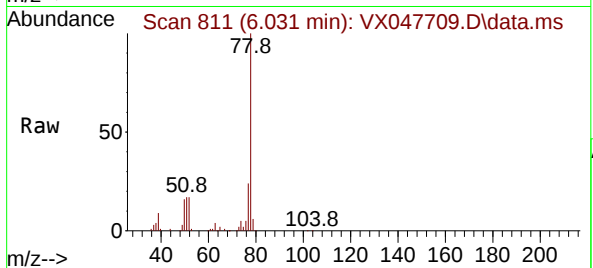
Tgt Ion: 43 Resp: 7685
Ion Ratio Lower Upper
43 100
61 10.1 9.8 14.8
70 9.4 7.9 11.9





#40
Benzene
Concen: 21.807 ug/l
RT: 6.031 min Scan# 810
Delta R.T. 0.006 min
Lab File: VX047709.D
Acq: 22 Sep 2025 16:53

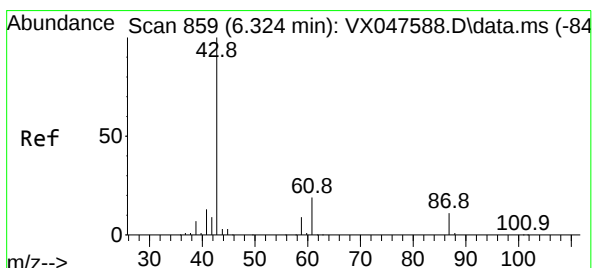
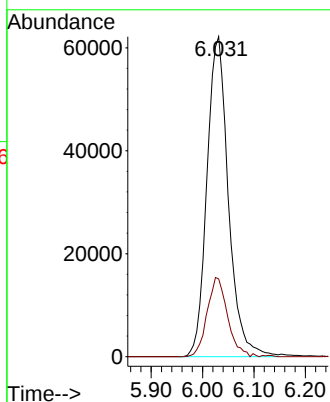
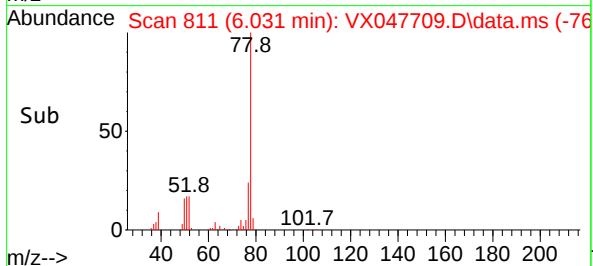
Instrument :
MSVOA_X
ClientSampleId :
34923



Tgt Ion: 78 Resp: 180500
Ion Ratio Lower Upper
78 100
77 24.3 18.8 28.2

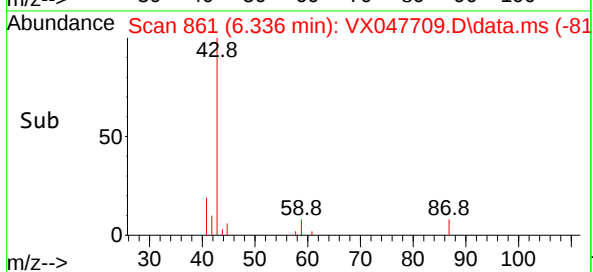
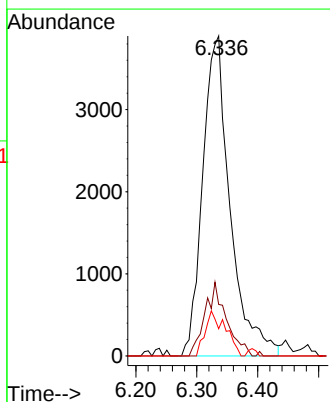
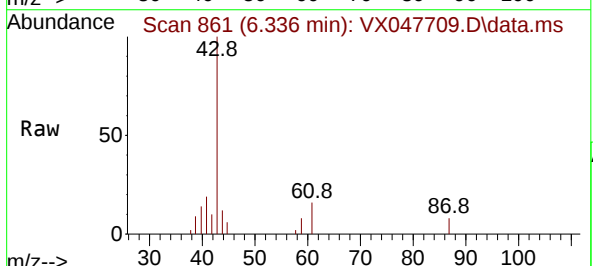
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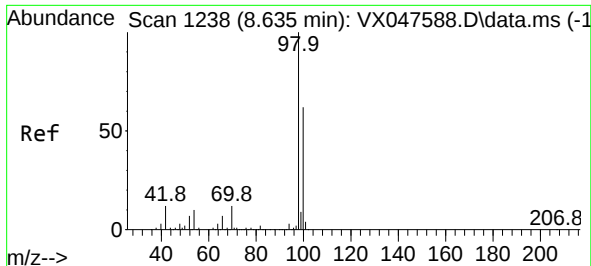
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#43
Isopropyl Acetate
Concen: 2.549 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.012 min
Lab File: VX047709.D
Acq: 22 Sep 2025 16:53

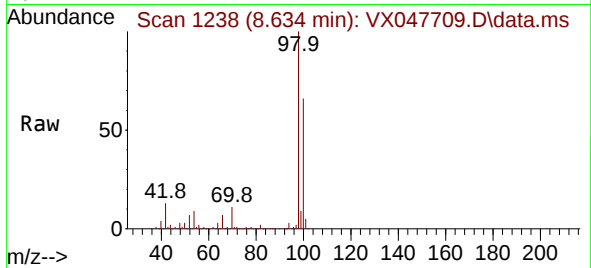
Tgt Ion: 43 Resp: 12199
Ion Ratio Lower Upper
43 100
61 18.1 15.2 22.8
87 10.3 9.6 14.4





#50
Toluene-d8
Concen: 48.776 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047709.D
Acq: 22 Sep 2025 16:53

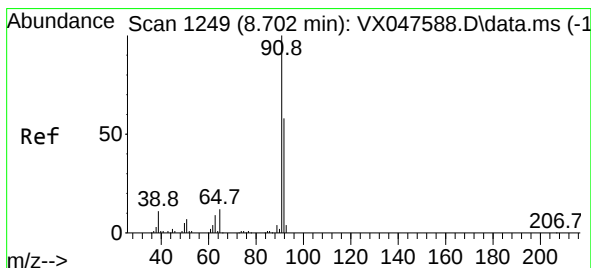
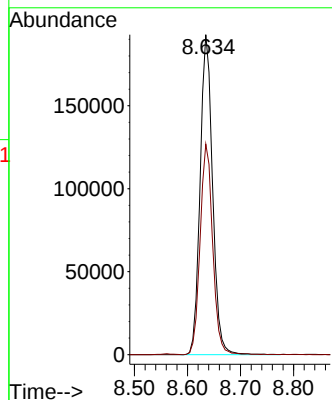
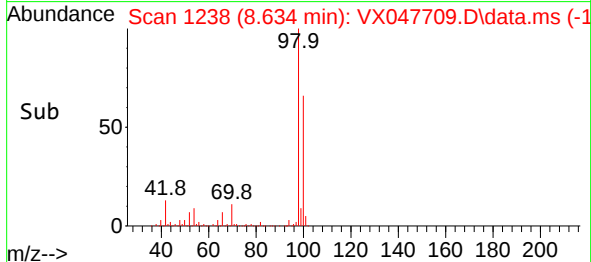
Instrument :
MSVOA_X
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34923



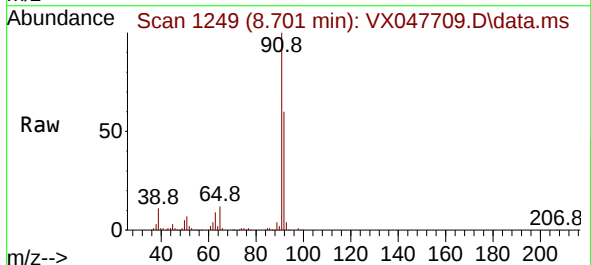
Tgt Ion: 98 Resp: 31477
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4

Manual Integrations
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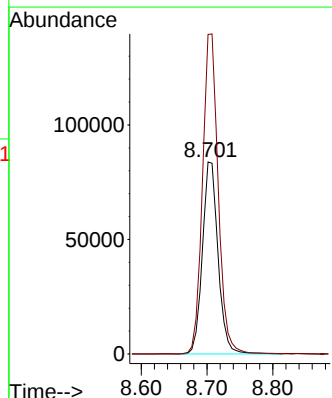
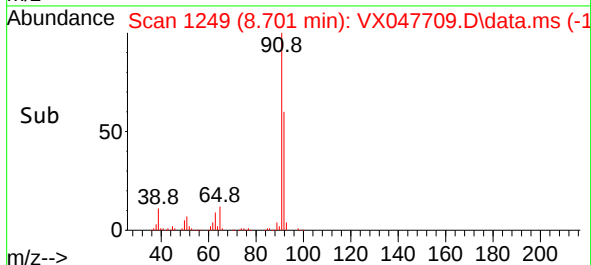
Reviewed By :John Carlone 09/23/2025
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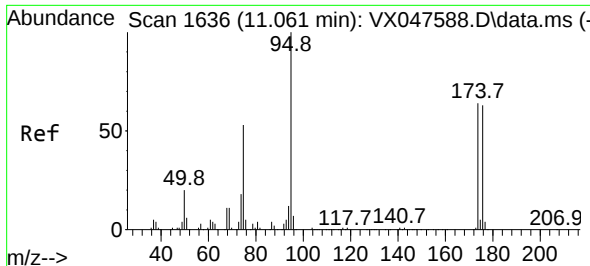


#52
Toluene
Concen: 27.145 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047709.D
Acq: 22 Sep 2025 16:53



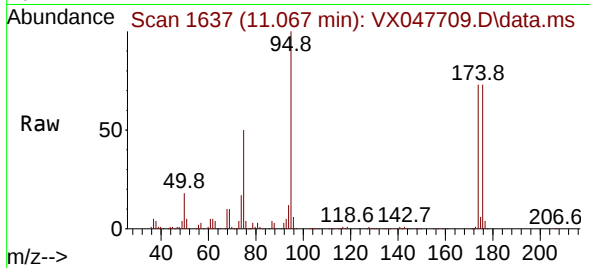
Tgt Ion: 92 Resp: 138433
Ion Ratio Lower Upper
92 100
91 167.9 137.1 205.7





#62
4-Bromofluorobenzene
Concen: 54.422 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047709.D
Acq: 22 Sep 2025 16:53

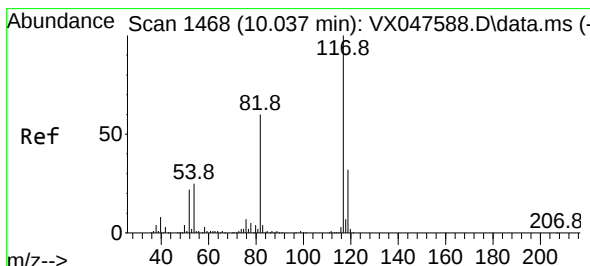
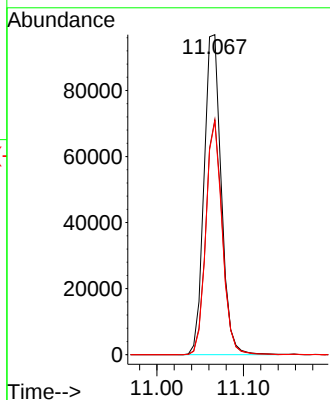
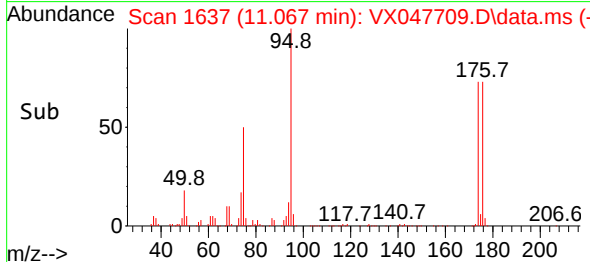
Instrument :
MSVOA_X
ClientSampleId :
34923



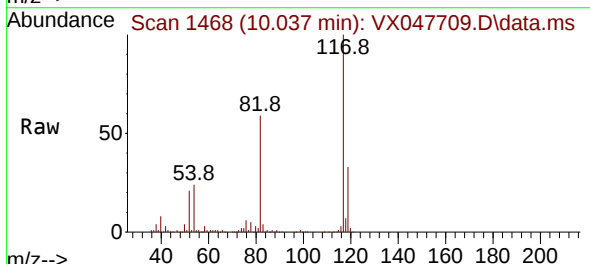
Tgt Ion: 95 Resp: 13329
Ion Ratio Lower Upper
95 100
174 70.8 0.0 141.6
176 69.2 0.0 138.4

Manual Integrations
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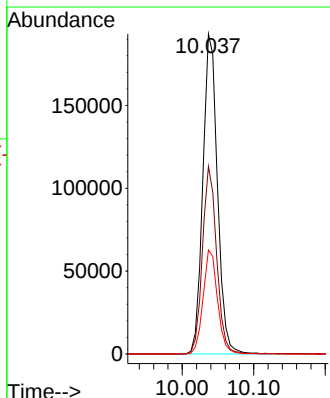
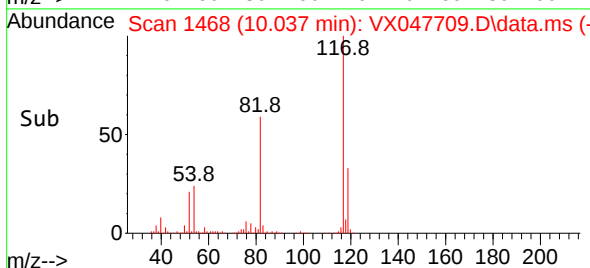
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

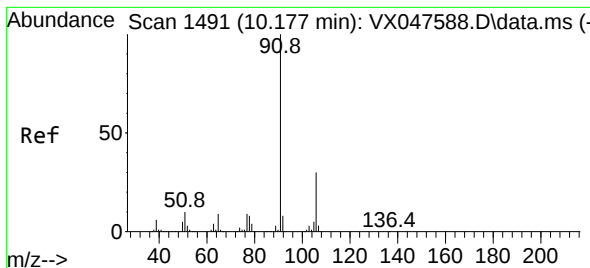


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047709.D
Acq: 22 Sep 2025 16:53



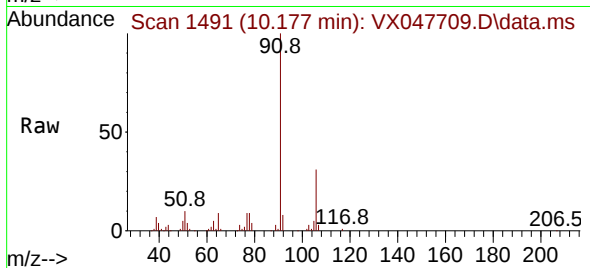
Tgt Ion:117 Resp: 274230
Ion Ratio Lower Upper
117 100
82 58.6 47.8 71.6
119 32.5 25.2 37.8





#67
Ethyl Benzene
Concen: 2.317 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX047709.D
Acq: 22 Sep 2025 16:53

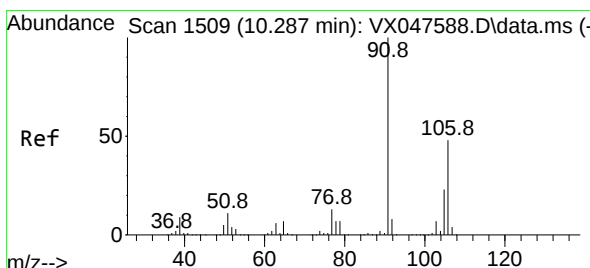
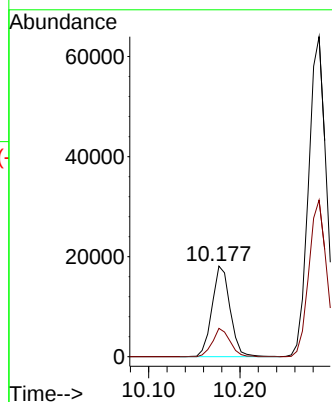
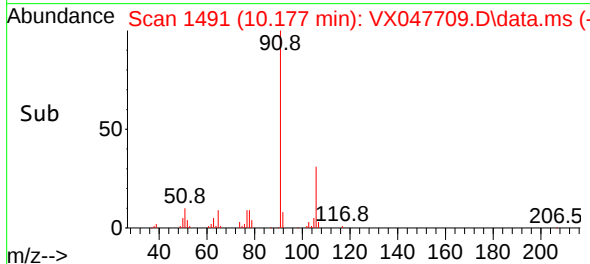
Instrument :
MSVOA_X
ClientSampleId :
34923



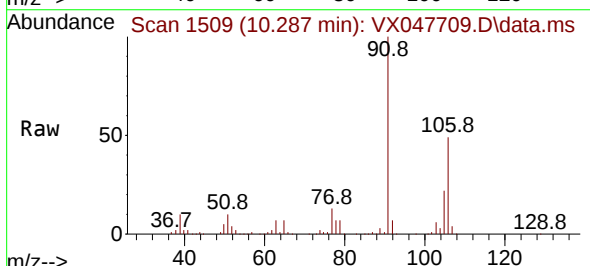
Tgt Ion: 91 Resp: 2490
Ion Ratio Lower Upper
91 100
106 31.4 24.3 36.5

Manual Integrations
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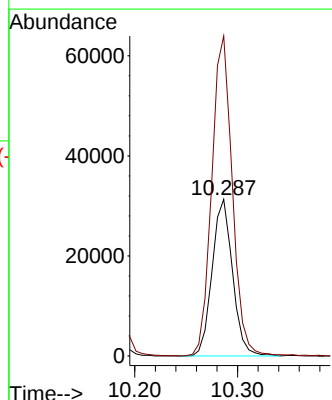
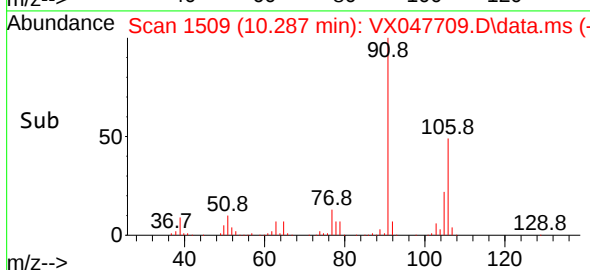
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

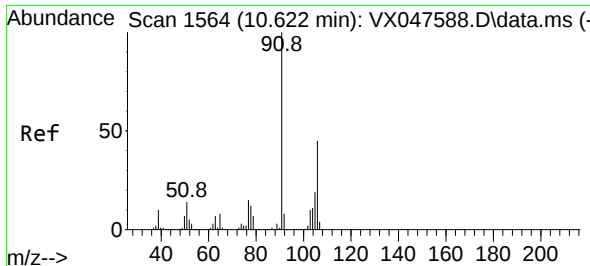


#68
m/p-Xylenes
Concen: 10.793 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047709.D
Acq: 22 Sep 2025 16:53



Tgt Ion:106 Resp: 43184
Ion Ratio Lower Upper
106 100
91 206.4 167.8 251.8





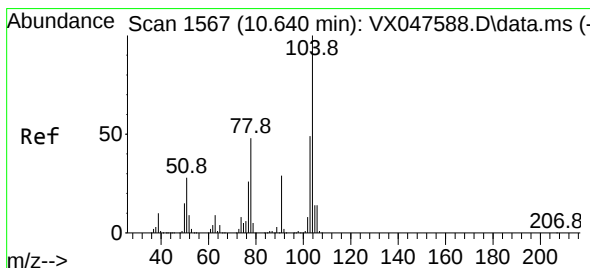
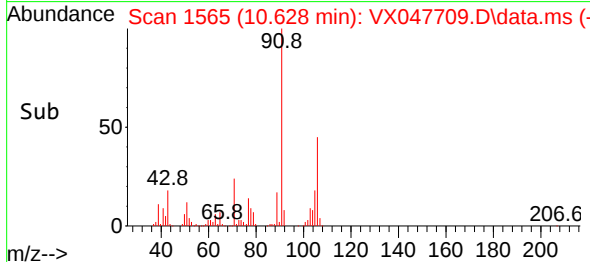
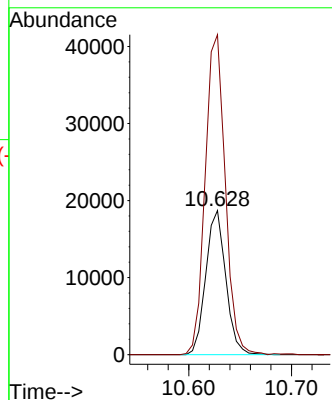
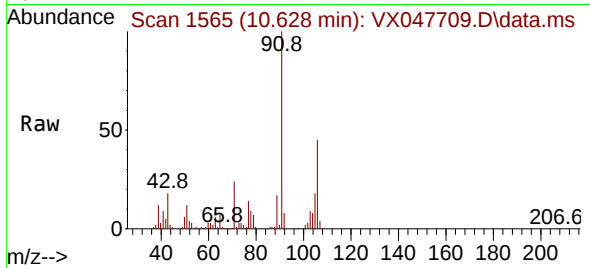
#69
o-Xylene
Concen: 6.543 ug/l
RT: 10.628 min Scan# 1564
Delta R.T. 0.006 min
Lab File: VX047709.D
Acq: 22 Sep 2025 16:53

Instrument :
MSVOA_X
ClientSampleId :
34923

Tgt Ion:106 Resp: 25319
Ion Ratio Lower Upper
106 100
91 222.9 111.1 333.4

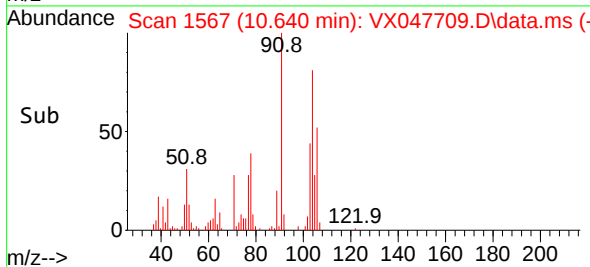
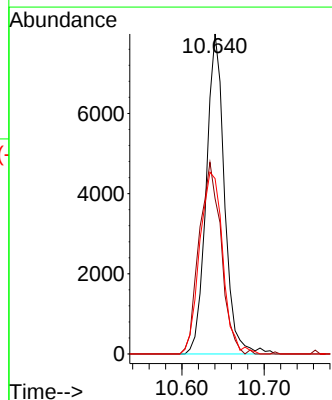
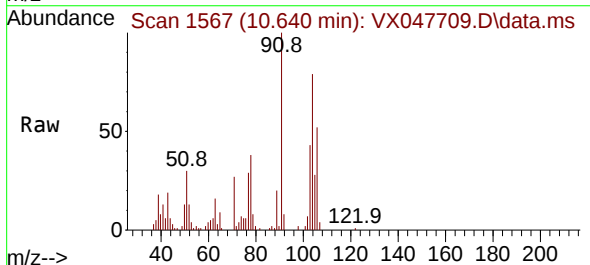
Manual Integrations
APPROVED

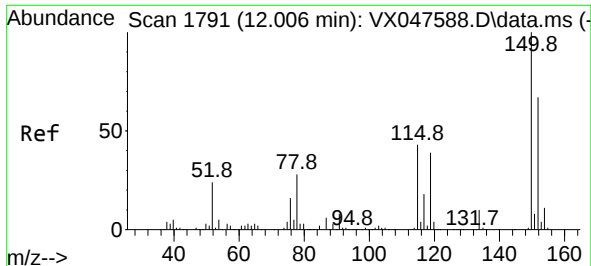
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#70
Styrene
Concen: 1.812 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047709.D
Acq: 22 Sep 2025 16:53

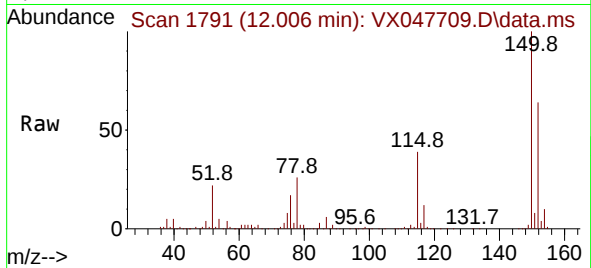
Tgt Ion:104 Resp: 12285
Ion Ratio Lower Upper
104 100
78 72.1 43.1 64.7#
103 72.1 43.1 64.7#





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX047709.D
 Acq: 22 Sep 2025 16:53

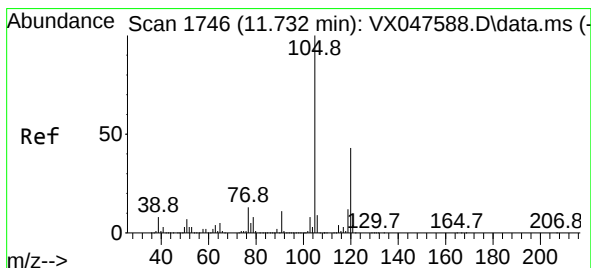
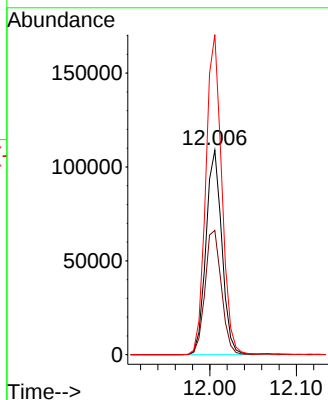
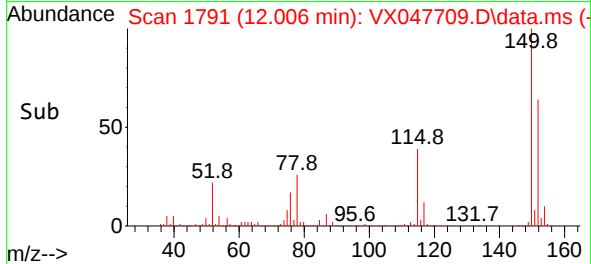
Instrument :
 MSVOA_X
 ClientSampleId :
 34923



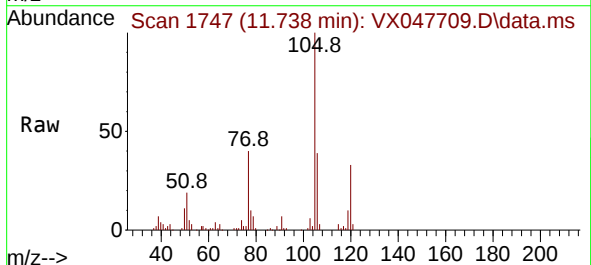
Tgt Ion:152 Resp: 139025
 Ion Ratio Lower Upper
 152 100
 115 62.6 44.9 134.5
 150 156.8 0.0 352.0

Manual Integrations
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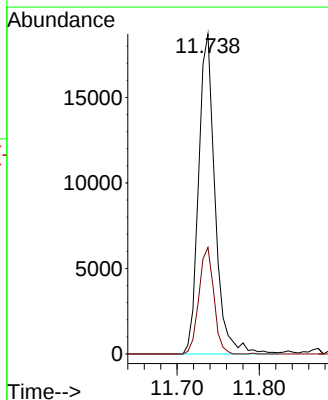
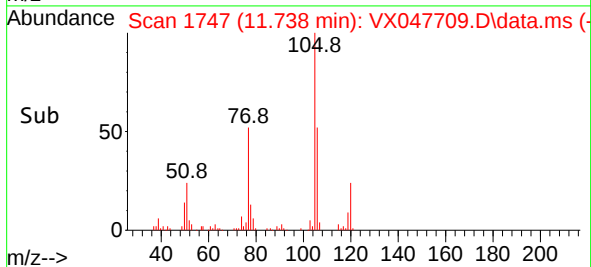
Reviewed By :John Carlone 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025

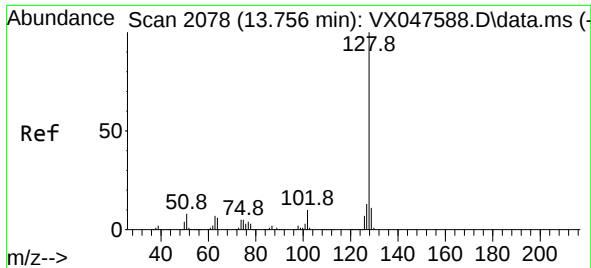


#84
 1,2,4-Trimethylbenzene
 Concen: 2.966 ug/l
 RT: 11.738 min Scan# 1747
 Delta R.T. 0.006 min
 Lab File: VX047709.D
 Acq: 22 Sep 2025 16:53



Tgt Ion:105 Resp: 26109
 Ion Ratio Lower Upper
 105 100
 120 30.0 22.1 66.1





#95

Naphthalene

Concen: 77.468 ug/l

RT: 13.755 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX047709.D

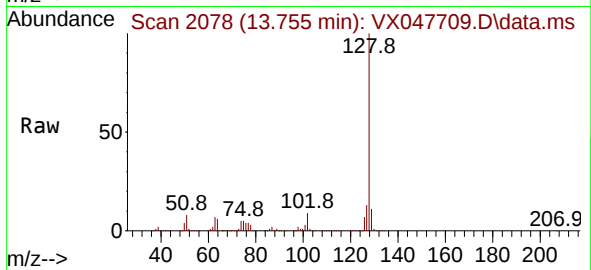
Acq: 22 Sep 2025 16:53

Instrument :

MSVOA_X

ClientSampleId :

34923



Tgt Ion:128 Resp: 70623

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 11.1 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025

