

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
 Data File : VX047606.D
 Acq On : 17 Sep 2025 10:57
 Operator : JC/MD
 Sample : Q3109-02DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW1DL

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/18/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 18 02:01:05 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	157331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	316909	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	305419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	148891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	116538	46.535	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.060%		
35) Dibromofluoromethane	5.373	113	94748	44.580	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.160%		
50) Toluene-d8	8.634	98	342453	46.566	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.140%		
62) 4-Bromofluorobenzene	11.061	95	143886	51.553	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.100%		
Target Compounds					Qvalue	
31) Cyclohexane	5.458	56	45942	13.883	ug/l	96
39) Methylcyclohexane	7.366	83	21113	5.989	ug/l	94
40) Benzene	6.031	78	5483	0.581	ug/l	93
52) Toluene	8.708	92	1449	0.249	ug/l	85
67) Ethyl Benzene	10.177	91	949108	79.278	ug/l	100
68) m/p-Xylenes	10.287	106	16520	3.707	ug/l	99
69) o-Xylene	10.628	106	2964	0.688	ug/l	91
73) Isopropylbenzene	10.945	105	44822	3.960	ug/l	99
78) n-propylbenzene	11.286	91	152586	11.403	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	5939m	0.639	ug/l	
84) 1,2,4-Trimethylbenzene	11.731	105	362169	38.411	ug/l	100
85) sec-Butylbenzene	11.872	105	8507m	0.752	ug/l	
86) p-Isopropyltoluene	11.994	119	5044	0.527	ug/l	90
89) n-Butylbenzene	12.317	91	13619	1.537	ug/l #	75
95) Naphthalene	13.755	128	238753	24.454	ug/l	99

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

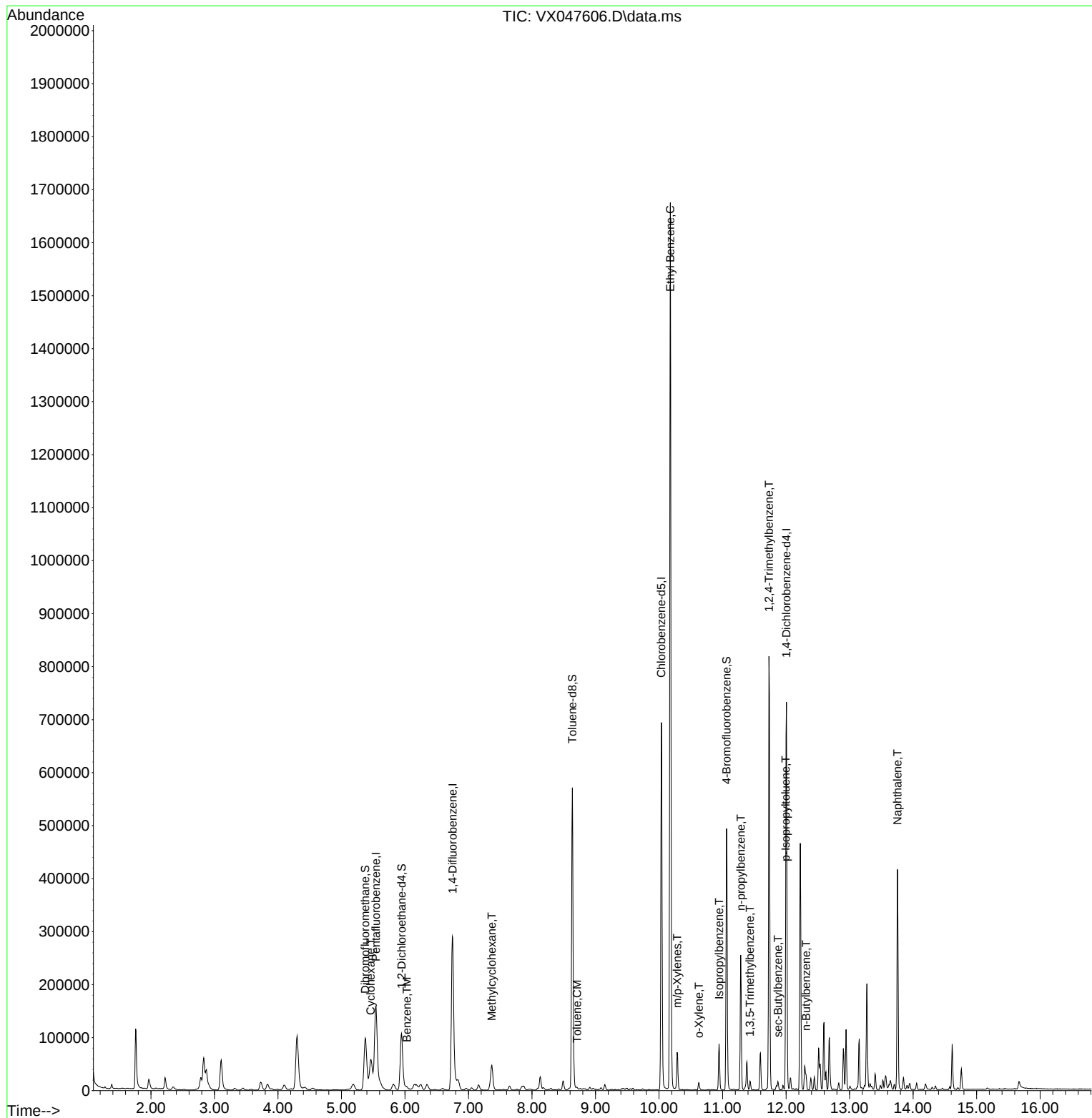
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047606.D
Acq On : 17 Sep 2025 10:57
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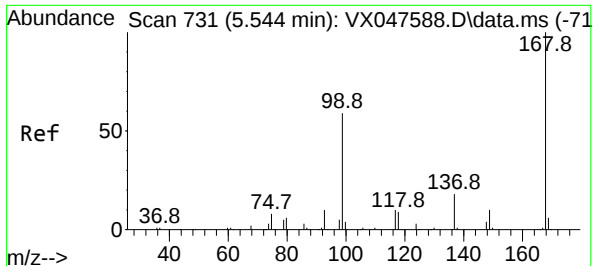
Instrument :
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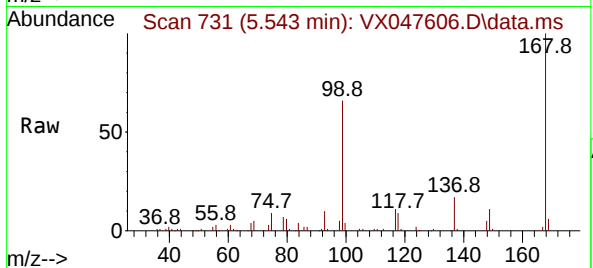
Quant Time: Sep 18 02:01:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 717
Delta R.T. -0.001 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

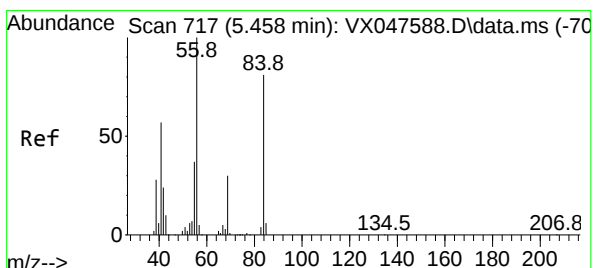
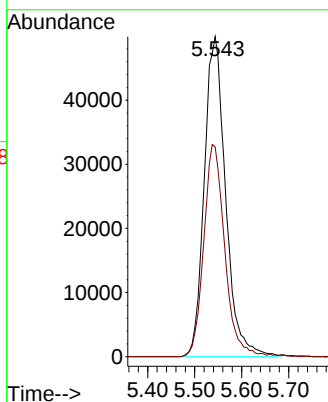
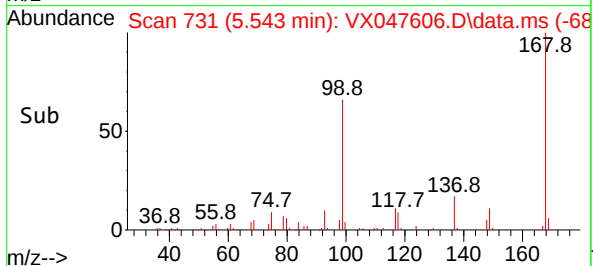
Instrument :
MSVOA_X
ClientSampleId :
MW1DL



Tgt Ion:168 Resp: 15733
Ion Ratio Lower Upper
168 100
99 65.6 48.8 73.2

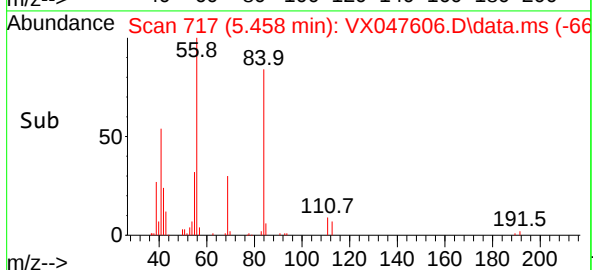
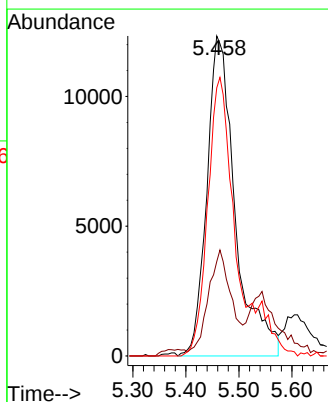
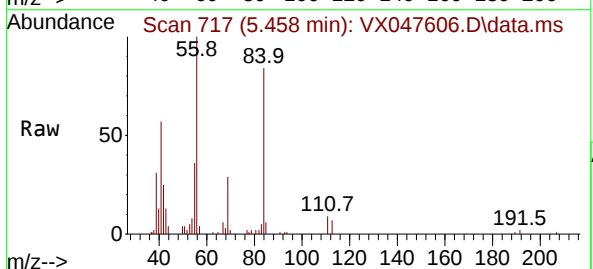
Manual Integrations
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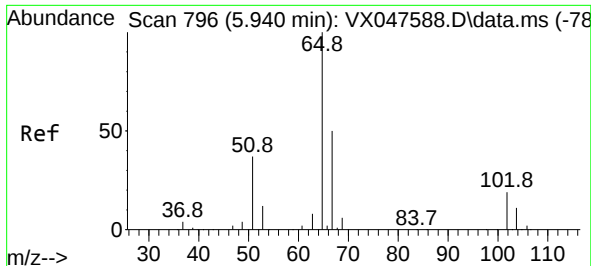
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#31
Cyclohexane
Concen: 13.883 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion: 56 Resp: 45942
Ion Ratio Lower Upper
56 100
69 27.5 23.8 35.8
84 83.8 64.6 97.0





#33

1,2-Dichloroethane-d4

Concen: 46.535 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047606.D

Acq: 17 Sep 2025 10:57

Instrument :

MSVOA_X

ClientSampleId :

MW1DL

Tgt Ion: 65 Resp: 116538

Ion Ratio Lower Upper

65 100

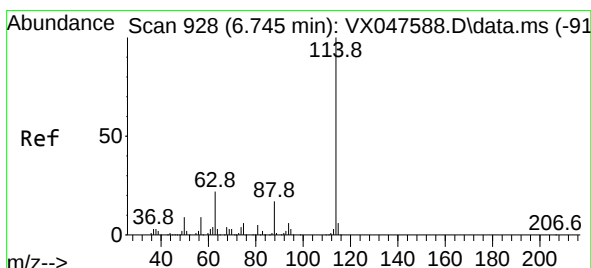
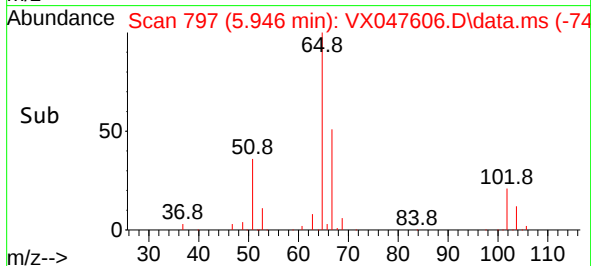
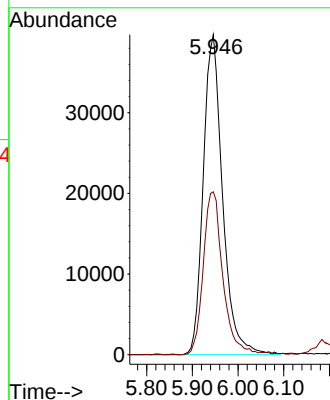
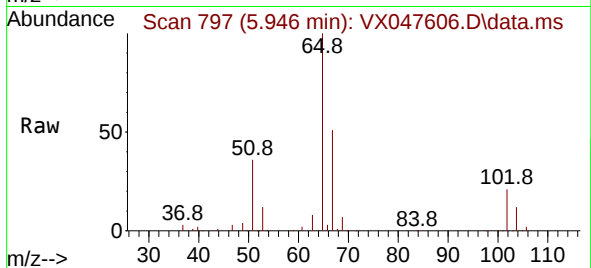
67 51.4 0.0 103.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047606.D

Acq: 17 Sep 2025 10:57

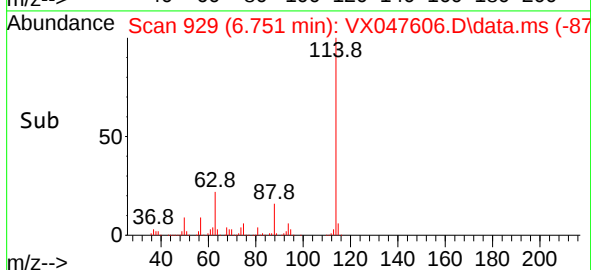
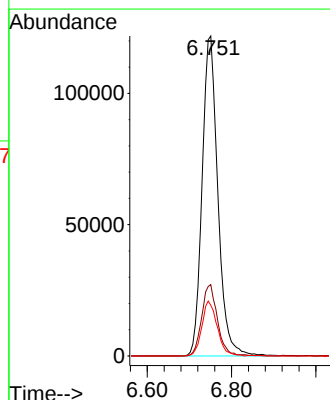
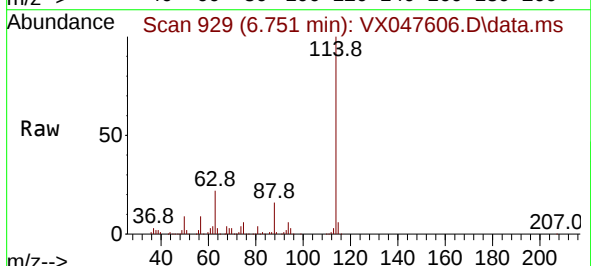
Tgt Ion:114 Resp: 316909

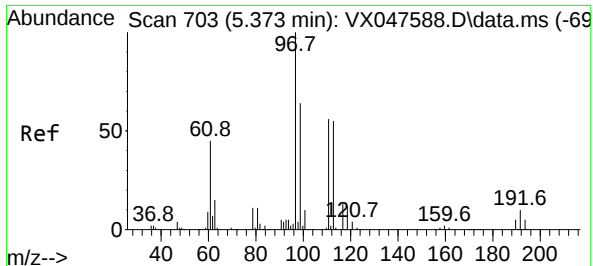
Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.0

88 15.8 0.0 34.2





#35

Dibromofluoromethane

Concen: 44.580 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX047606.D

Acq: 17 Sep 2025 10:57

Instrument :

MSVOA_X

ClientSampleId :

MW1DL

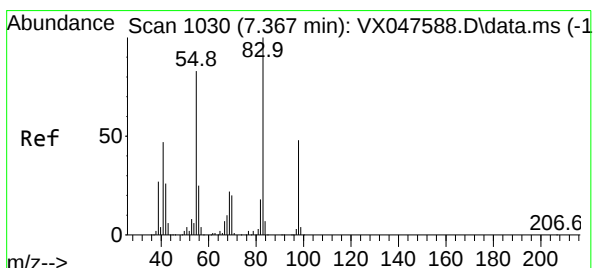
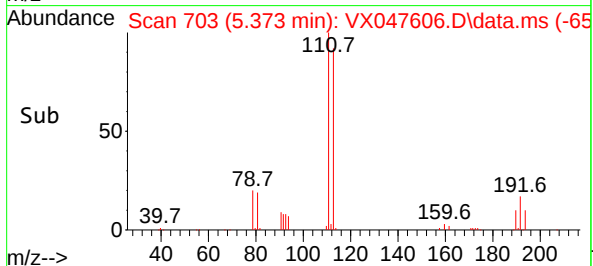
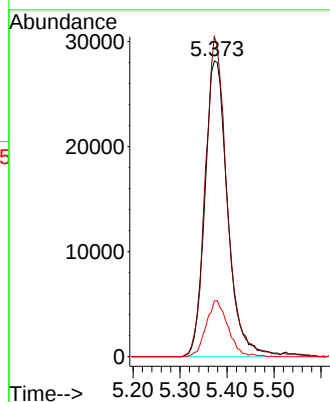
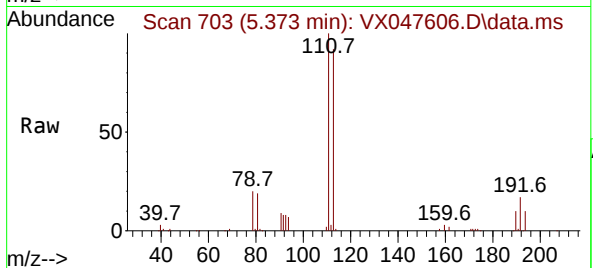
Tgt Ion:	113	Resp:	9474
Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.9	121.3
192	18.3	14.2	21.4

Manual Integrations

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#39

Methylcyclohexane

Concen: 5.989 ug/l

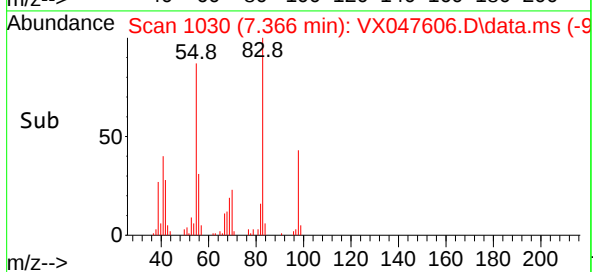
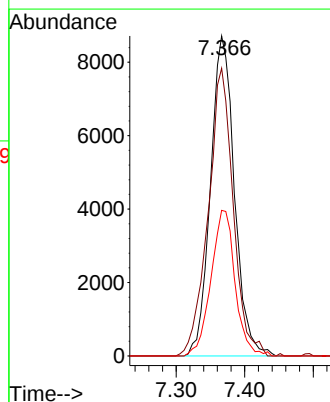
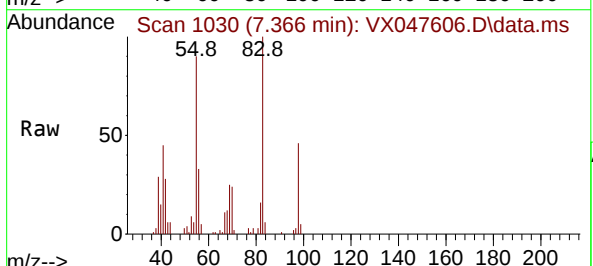
RT: 7.366 min Scan# 1030

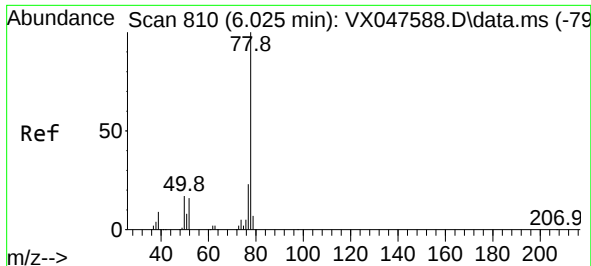
Delta R.T. -0.000 min

Lab File: VX047606.D

Acq: 17 Sep 2025 10:57

Tgt Ion:	83	Resp:	21113
Ion	Ratio	Lower	Upper
83	100		
55	89.2	66.4	99.6
98	45.5	38.1	57.1





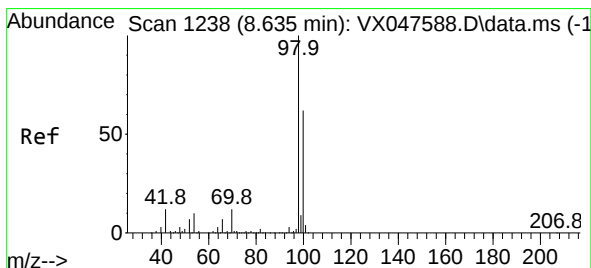
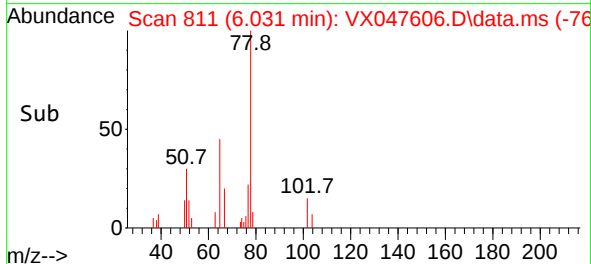
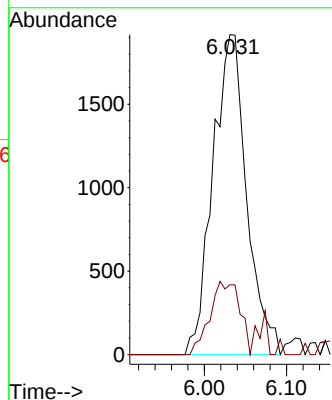
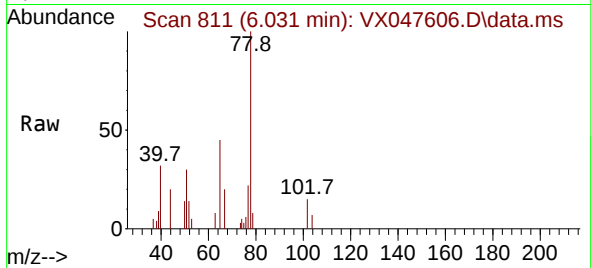
#40
Benzene
Concen: 0.581 ug/l
RT: 6.031 min Scan# 810
Delta R.T. 0.006 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Instrument :
MSVOA_X
ClientSampleId :
MW1DL

Tgt Ion: 78 Resp: 548
Ion Ratio Lower Upper
78 100
77 20.2 18.8 28.2

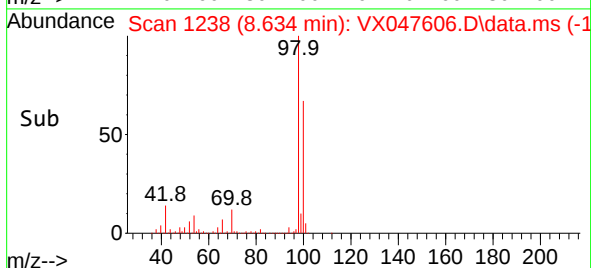
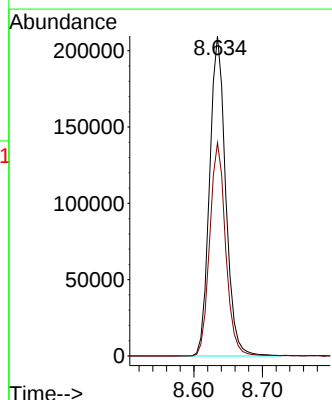
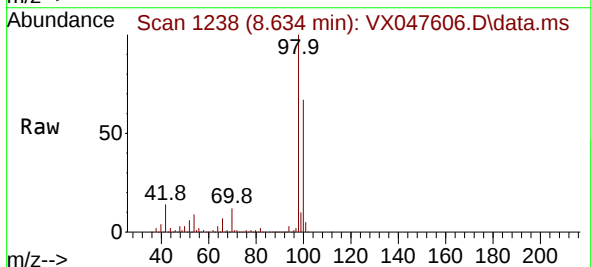
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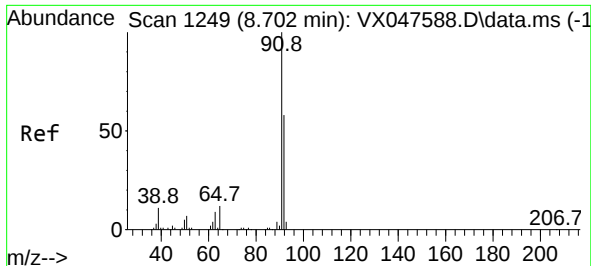
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#50
Toluene-d8
Concen: 46.566 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion: 98 Resp: 342453
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4





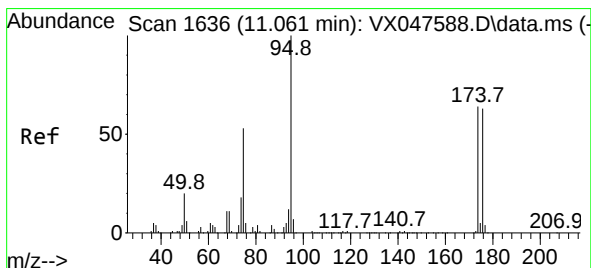
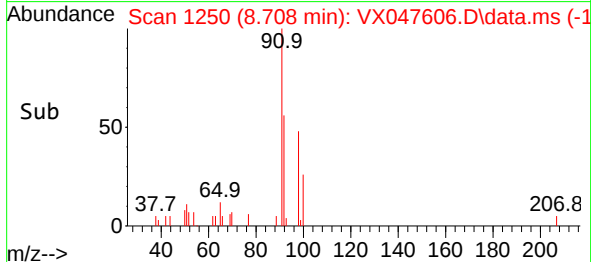
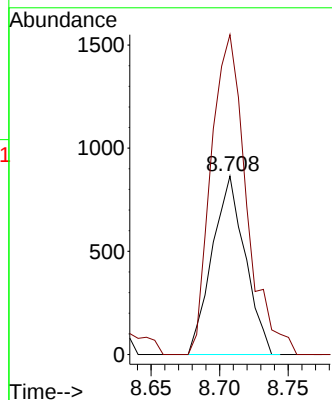
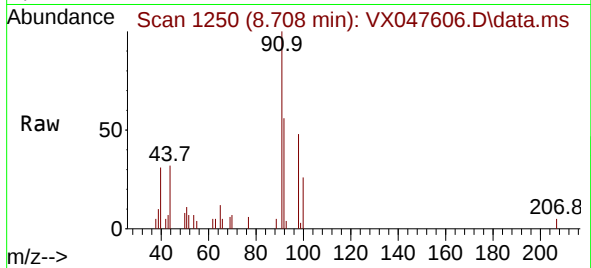
#52
Toluene
Concen: 0.249 ug/l
RT: 8.708 min Scan# 1249
Delta R.T. 0.006 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Instrument :
MSVOA_X
ClientSampleId :
MW1DL

Tgt Ion: 92 Resp: 1449
Ion Ratio Lower Upper
92 100
91 191.9 137.1 205.7

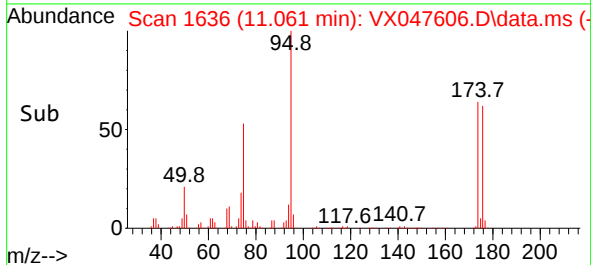
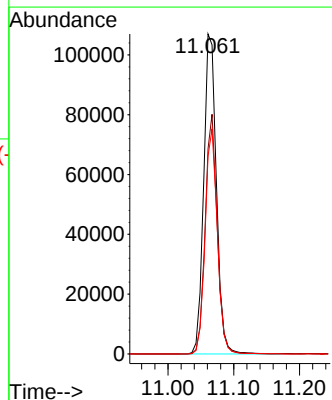
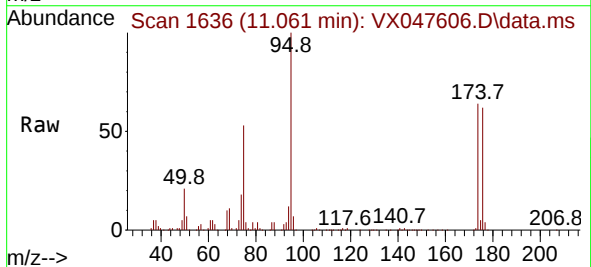
Manual Integrations
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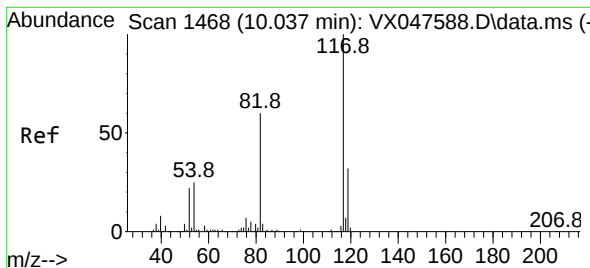
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#62
4-Bromofluorobenzene
Concen: 51.553 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

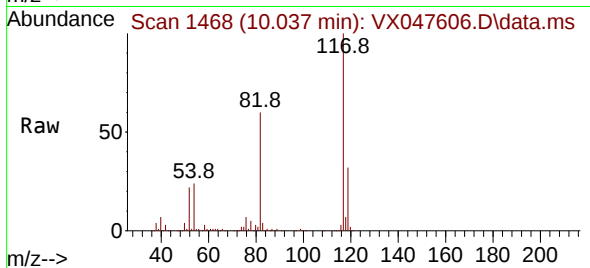
Tgt Ion: 95 Resp: 143886
Ion Ratio Lower Upper
95 100
174 70.5 0.0 141.6
176 67.5 0.0 138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

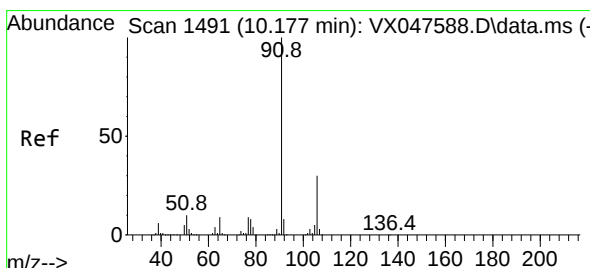
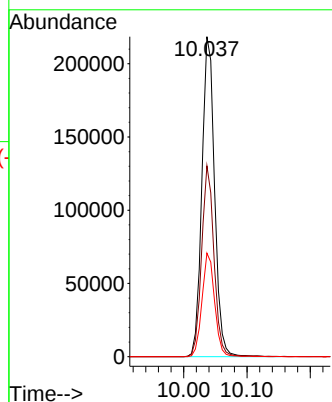
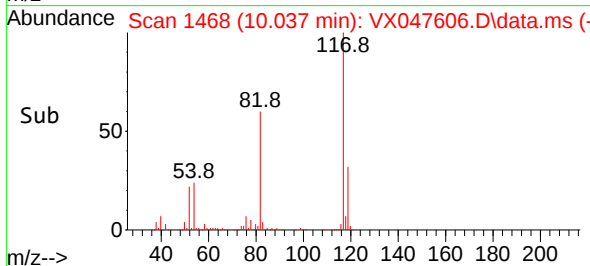
Instrument :
MSVOA_X
ClientSampleId :
MW1DL



Tgt Ion: 117 Resp: 305419
Ion Ratio Lower Upper
117 100
82 59.6 47.8 71.6
119 32.4 25.2 37.8

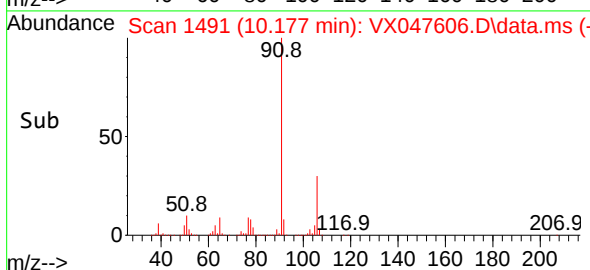
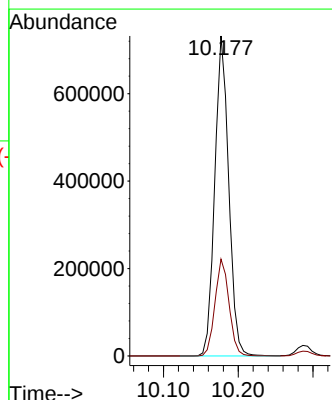
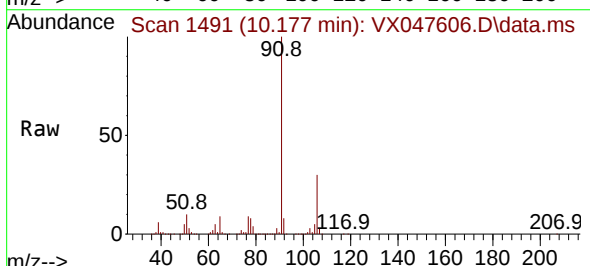
Manual Integrations
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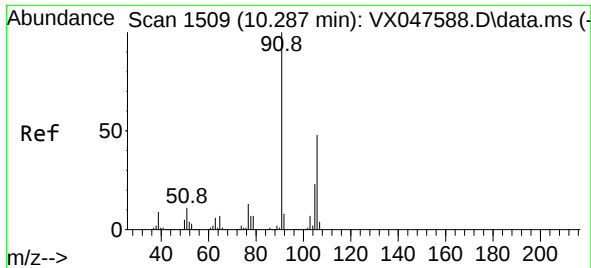
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#67
Ethyl Benzene
Concen: 79.278 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

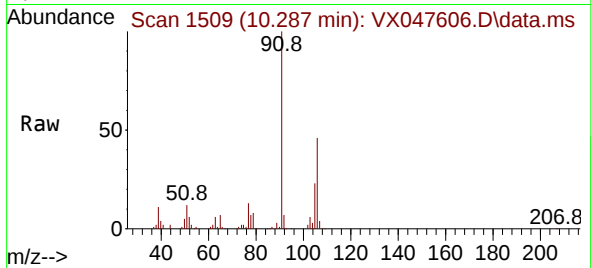
Tgt Ion: 91 Resp: 949108
Ion Ratio Lower Upper
91 100
106 30.3 24.3 36.5





#68
m/p-Xylenes
Concen: 3.707 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

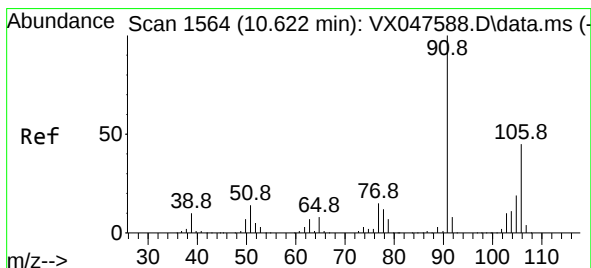
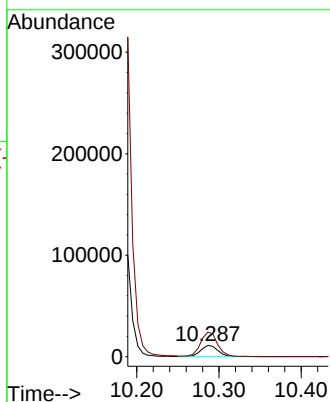
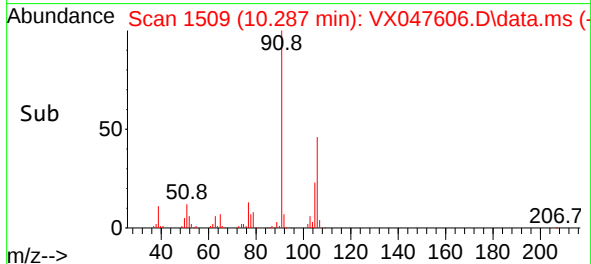
Instrument :
MSVOA_X
ClientSampleId :
MW1DL



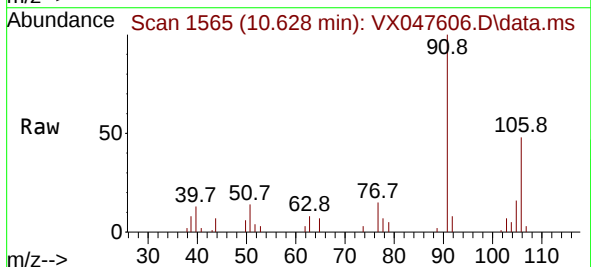
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Ion Ratio Lower Upper
106 100
91 211.3 167.8 251.8

Manual Integrations
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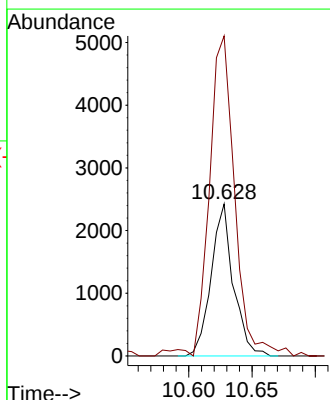
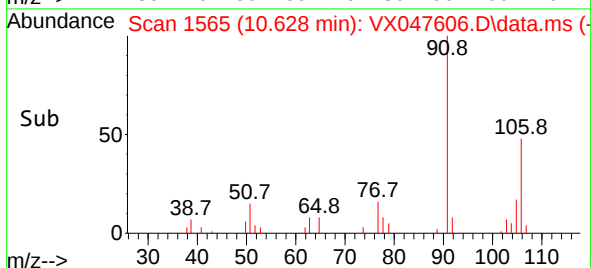
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

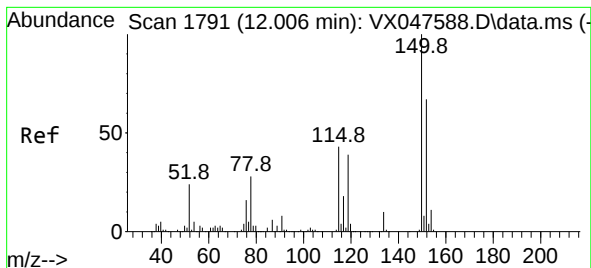


#69
o-Xylene
Concen: 0.688 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57



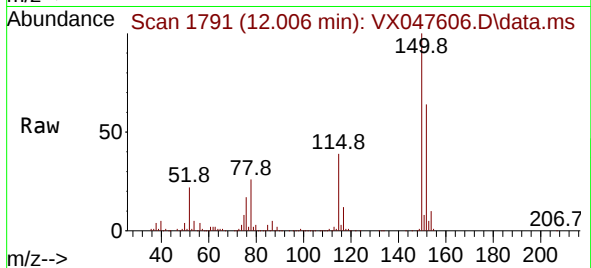
Tgt Ion:106 Resp: 2964
Ion Ratio Lower Upper
106 100
91 237.0 111.1 333.4





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

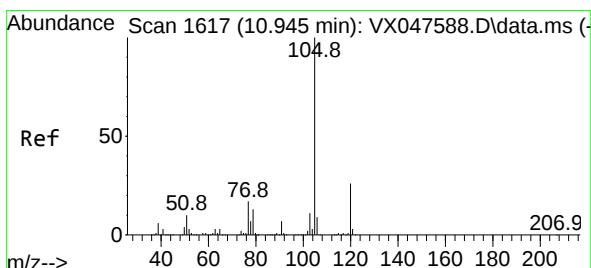
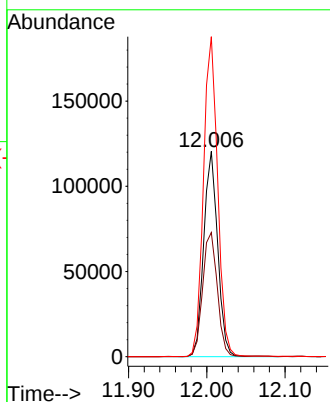
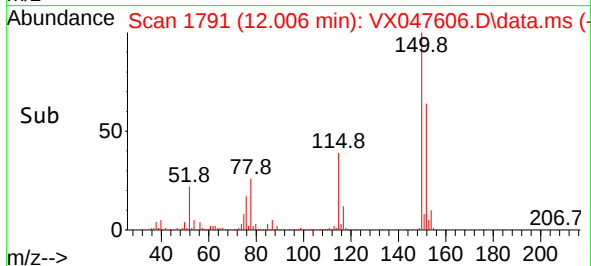
Instrument :
MSVOA_X
ClientSampleId :
MW1DL



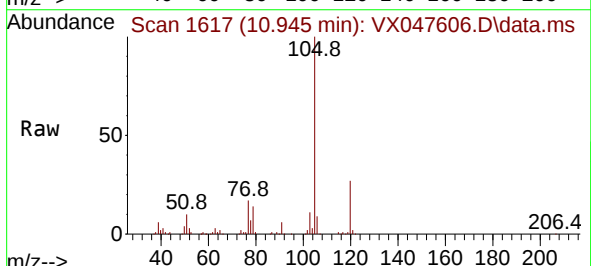
Tgt Ion:152 Resp: 14889
Ion Ratio Lower Upper
152 100
115 63.3 44.9 134.5
150 158.9 0.0 352.0

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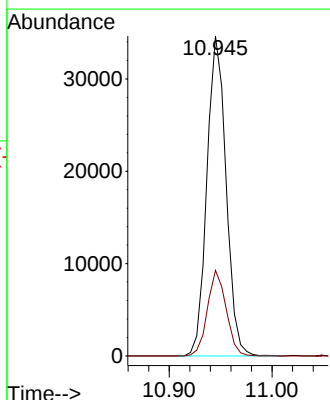
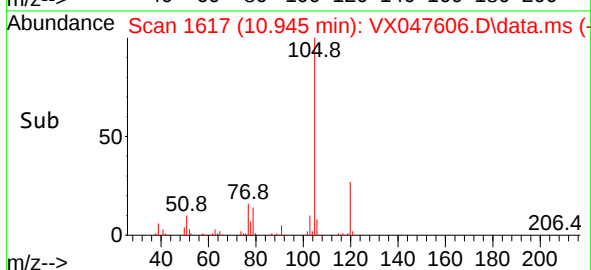
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

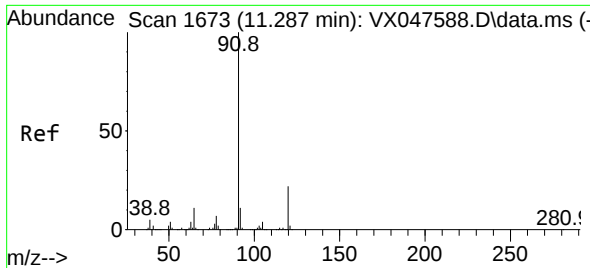


#73
Isopropylbenzene
Concen: 3.960 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57



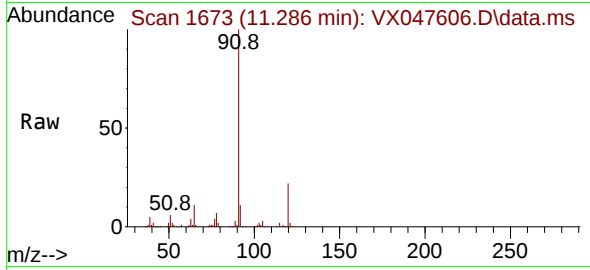
Tgt Ion:105 Resp: 44822
Ion Ratio Lower Upper
105 100
120 26.1 12.8 38.4





#78
n-propylbenzene
Concen: 11.403 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

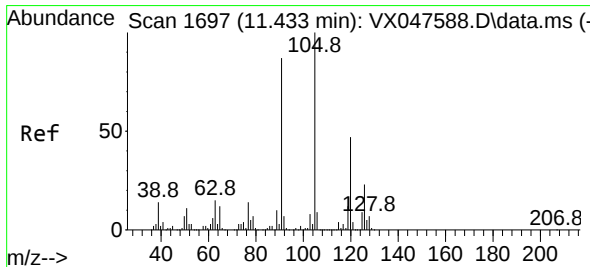
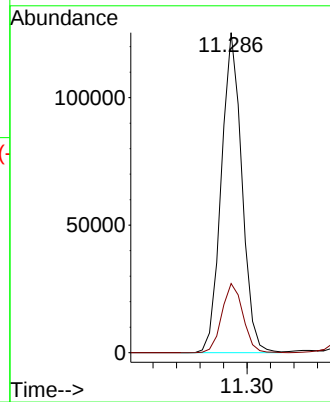
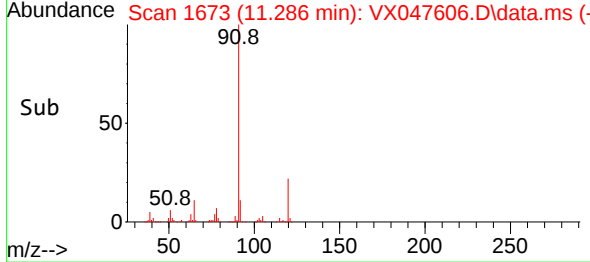
Instrument :
MSVOA_X
ClientSampleId :
MW1DL



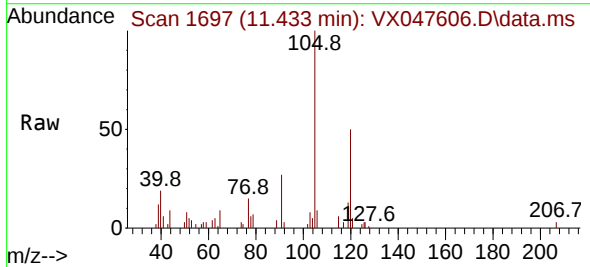
Tgt Ion: 91 Resp: 152586
Ion Ratio Lower Upper
91 100
120 22.2 11.1 33.1

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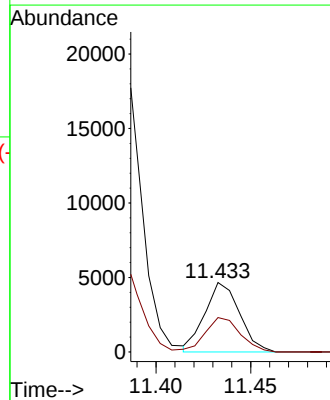
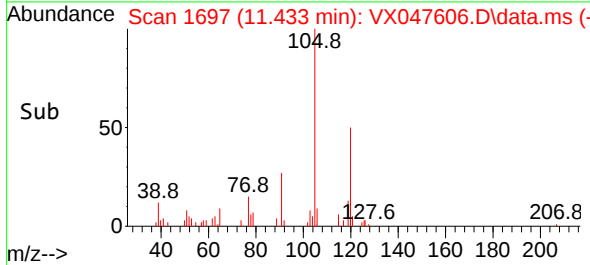
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

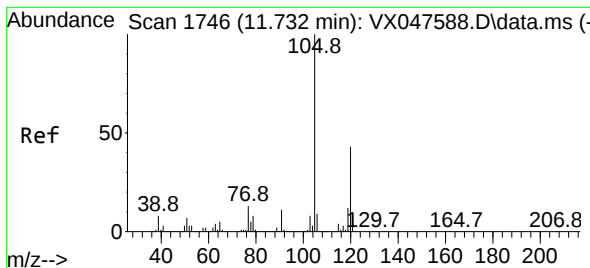


#80
1,3,5-Trimethylbenzene
Concen: 0.639 ug/l m
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57



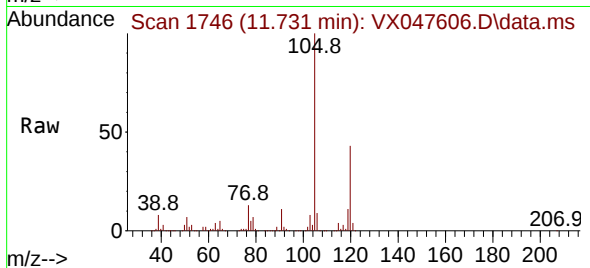
Tgt Ion:105 Resp: 5939
Ion Ratio Lower Upper
105 100
120 146.5 23.6 70.8#





#84
1,2,4-Trimethylbenzene
Concen: 38.411 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

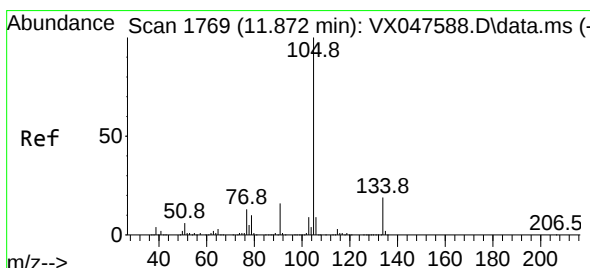
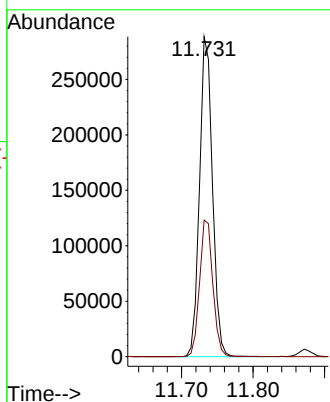
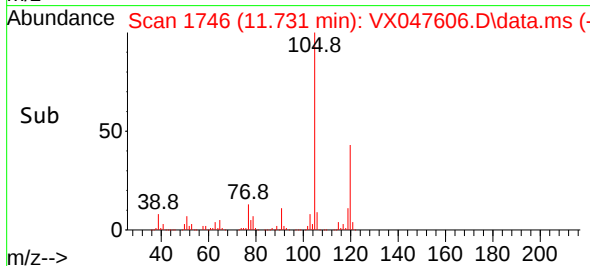
Instrument :
MSVOA_X
ClientSampleId :
MW1DL



Tgt Ion:105 Resp: 362169
Ion Ratio Lower Upper
105 100
120 43.9 22.1 66.1

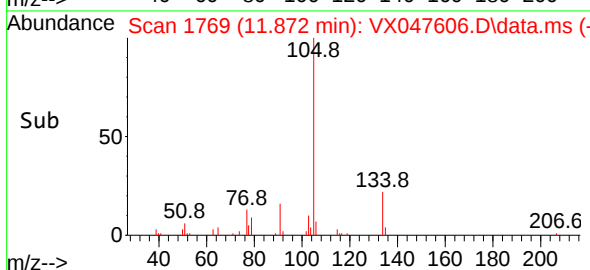
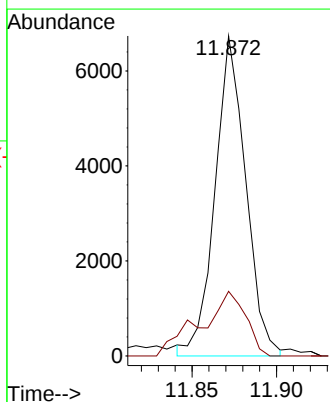
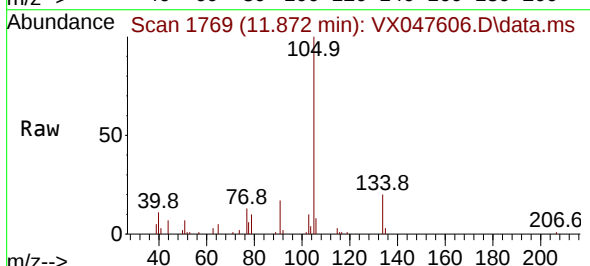
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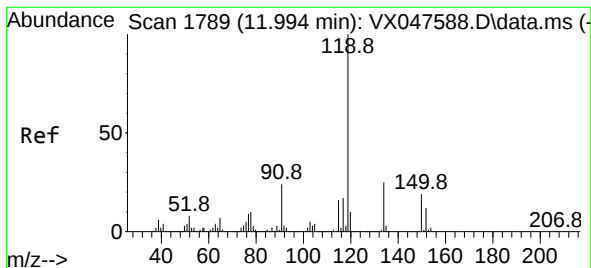
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#85
sec-Butylbenzene
Concen: 0.752 ug/l m
RT: 11.872 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

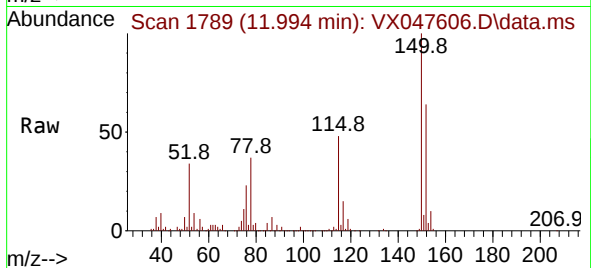
Tgt Ion:105 Resp: 8507
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.5#





#86
p-Isopropyltoluene
Concen: 0.527 ug/l
RT: 11.994 min Scan# 119
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

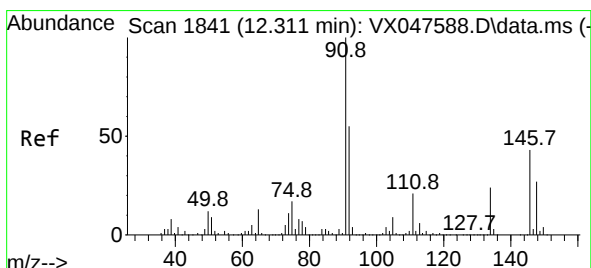
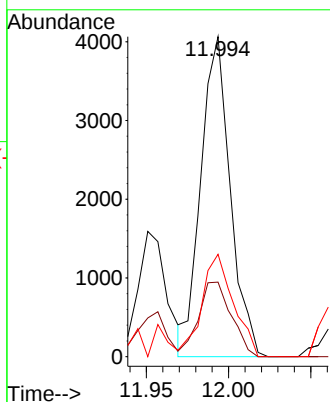
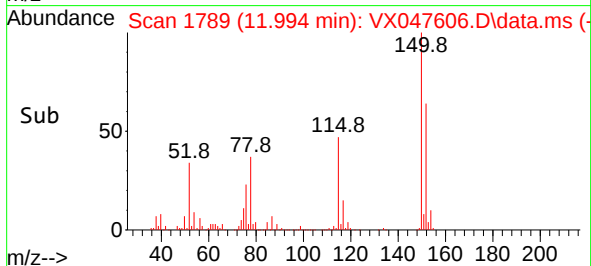
Instrument :
MSVOA_X
ClientSampleId :
MW1DL



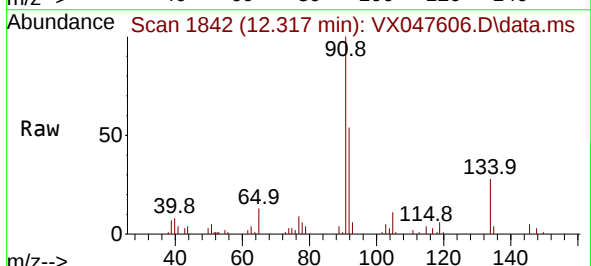
Tgt Ion: 119 Resp: 5044
Ion Ratio Lower Upper
119 100
134 26.1 12.6 37.8
91 34.4 12.6 37.6

Manual Integrations
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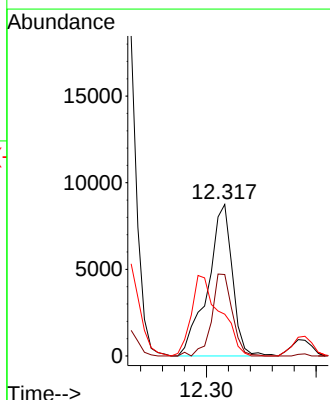
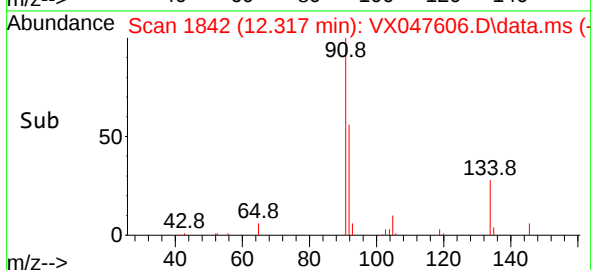
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

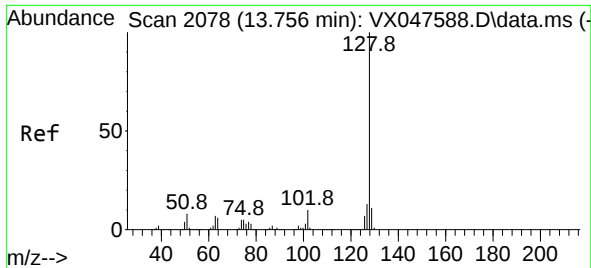


#89
n-Butylbenzene
Concen: 1.537 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57



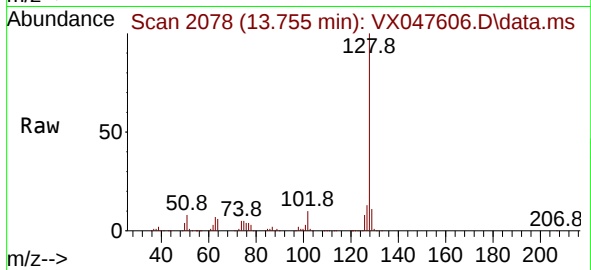
Tgt Ion: 91 Resp: 13619
Ion Ratio Lower Upper
91 100
92 45.2 27.6 82.7
134 0.0 12.6 37.8#





#95
Naphthalene
Concen: 24.454 ug/l
RT: 13.755 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Instrument :
MSVOA_X
ClientSampleId :
MW1DL



Tgt Ion:128 Resp: 23875
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 11.1 8.8 13.2

Manual Integrations
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Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

