

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
 Data File : VX048777.D
 Acq On : 09 Dec 2025 12:46
 Operator : JC/MD
 Sample : Q3803-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CHASE-A

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/10/2025
 Supervised By : Mahesh Dadoda 12/10/2025

Quant Time: Dec 10 00:19:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	147488	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	302073	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	319088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	170447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	100604	50.821	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.640%			
35) Dibromofluoromethane	5.373	113	89364	42.966	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 85.940%			
50) Toluene-d8	8.635	98	331334	45.446	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 90.900%#			
62) 4-Bromofluorobenzene	11.061	95	144689	57.552	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.100%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.928	59	4637	14.509	ug/l	99
16) Acetone	2.374	43	91101	120.215	ug/l	98
18) Methyl Acetate	2.709	43	5839	2.738	ug/l	99
20) Methylene Chloride	2.794	84	125604	66.311	ug/l	95
25) 2-Butanone	4.550	43	14349	12.829	ug/l #	86
40) Benzene	6.025	78	883540	104.624	ug/l	100
43) Isopropyl Acetate	6.330	43	14570	2.827	ug/l	96
51) 4-Methyl-2-Pentanone	8.555	43	98226m	30.703	ug/l	
52) Toluene	8.702	92	352467	69.215	ug/l	100
67) Ethyl Benzene	10.177	91	37618	3.301	ug/l	98
68) m/p-Xylenes	10.281	106	69491	15.653	ug/l	98
69) o-Xylene	10.622	106	45583	10.957	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	10109	1.071	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	41179	4.324	ug/l	73

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

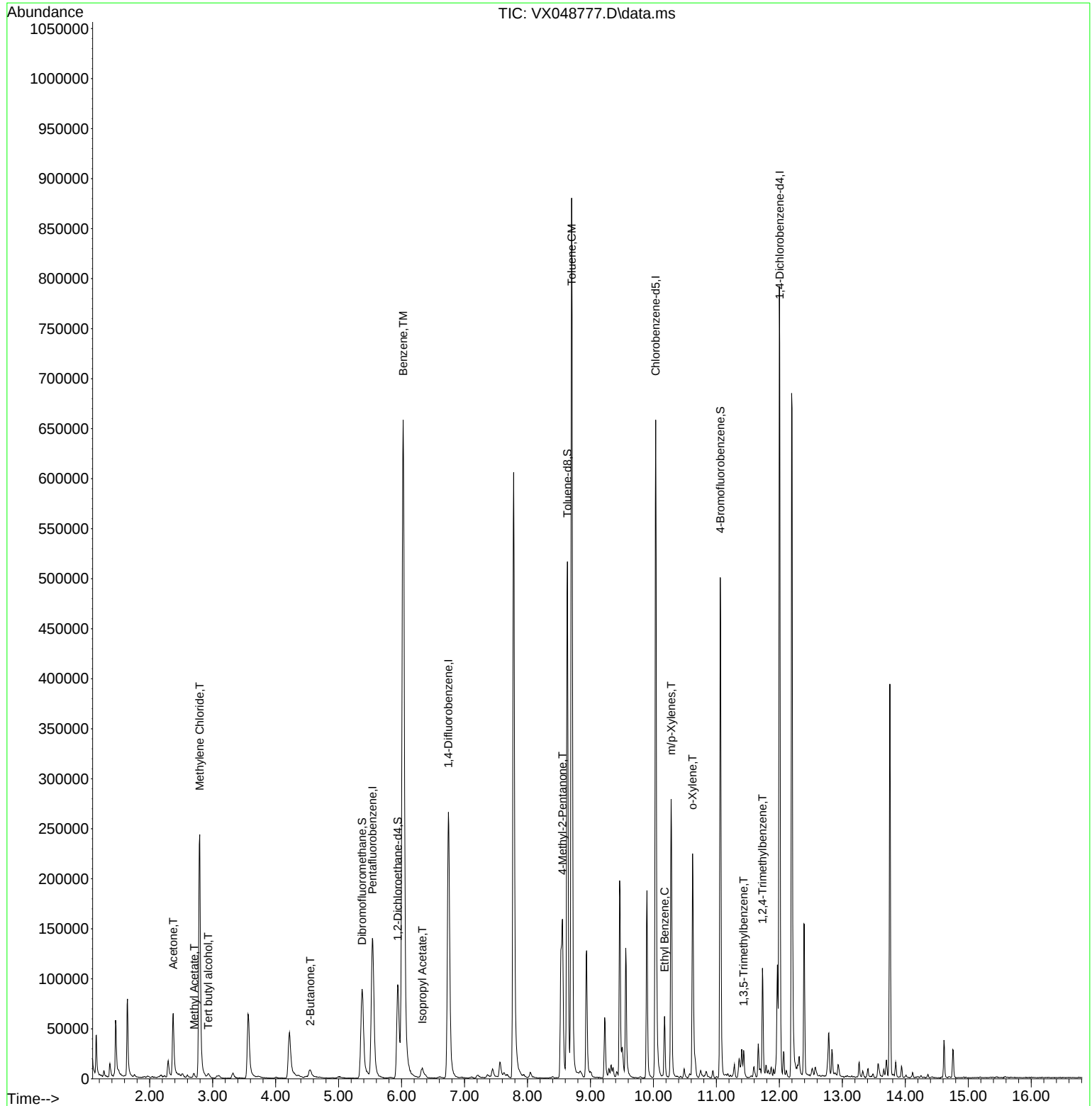
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
Data File : VX048777.D
Acq On : 09 Dec 2025 12:46
Operator : JC/MD
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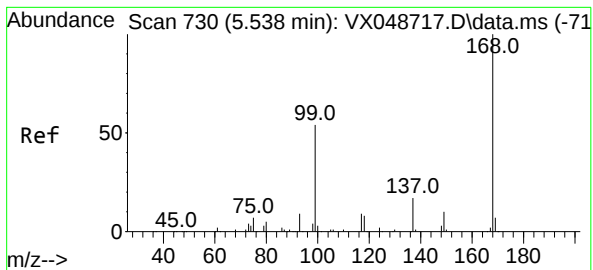
Instrument :
MSVOA_X
ClientSampleId :
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Quant Time: Dec 10 00:19:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

Manual Integrations
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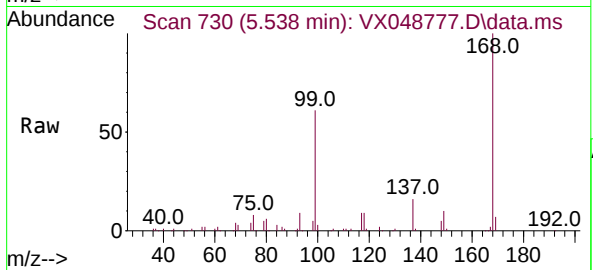
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.000 min
Lab File: VX048777.D
Acq: 09 Dec 2025 12:46

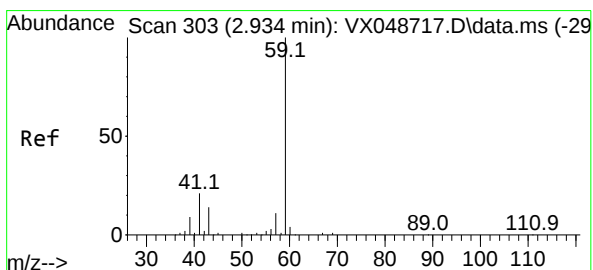
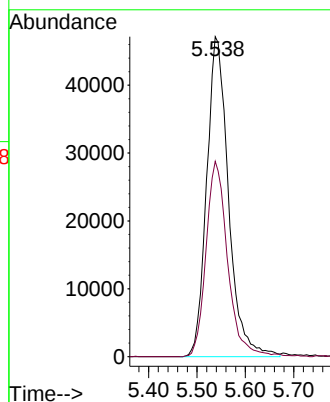
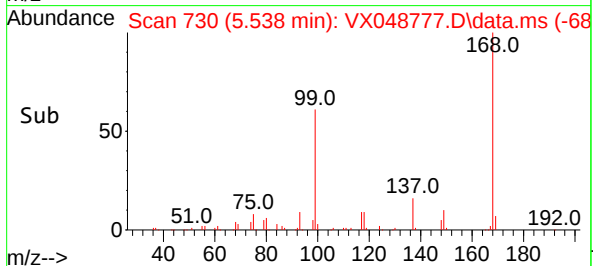
Instrument :
MSVOA_X
ClientSampleId :
CHASE-A



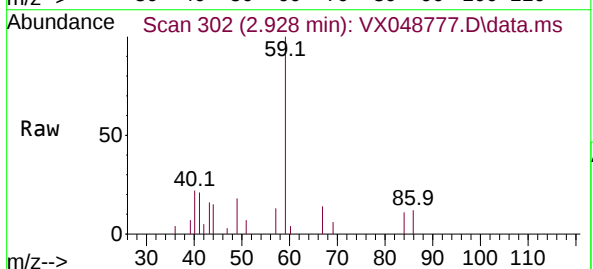
Tgt Ion:168 Resp: 147488
Ion Ratio Lower Upper
168 100
99 61.0 44.2 66.4

Manual Integrations
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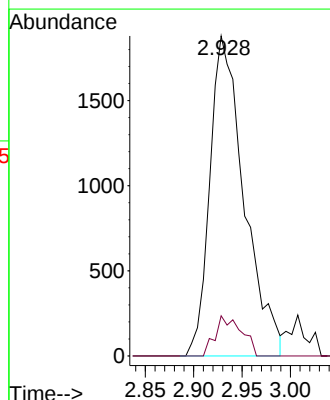
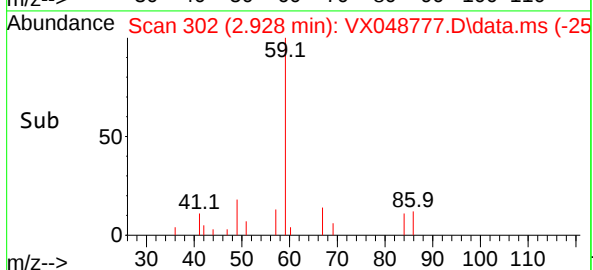
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

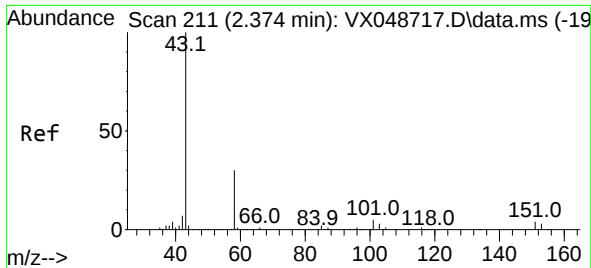


#11
Tert butyl alcohol
Concen: 14.509 ug/l
RT: 2.928 min Scan# 302
Delta R.T. -0.006 min
Lab File: VX048777.D
Acq: 09 Dec 2025 12:46



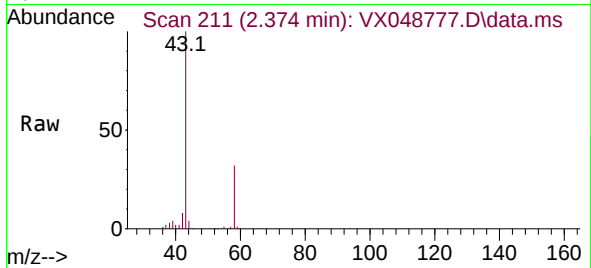
Tgt Ion: 59 Resp: 4637
Ion Ratio Lower Upper
59 100
57 9.6 8.1 12.1





#16
Acetone
Concen: 120.215 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048777.D
Acq: 09 Dec 2025 12:46

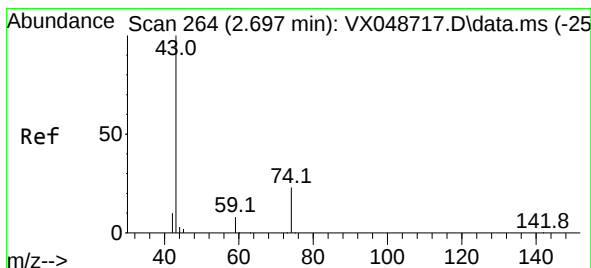
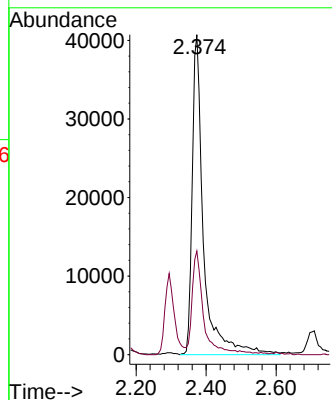
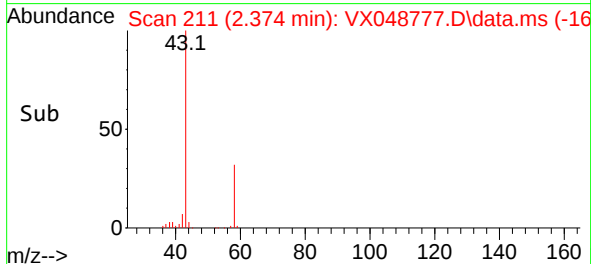
Instrument :
MSVOA_X
ClientSampleId :
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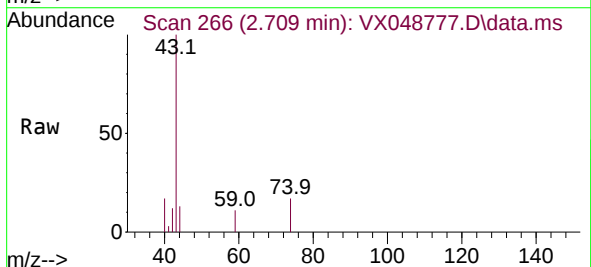
Tgt Ion: 43 Resp: 9110
Ion Ratio Lower Upper
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58 32.1 25.0 37.4

Manual Integrations
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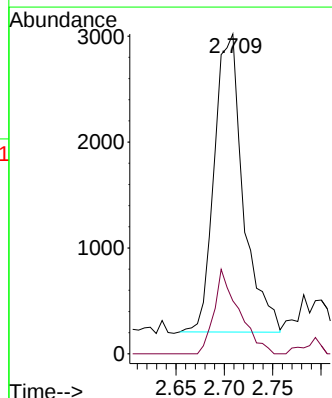
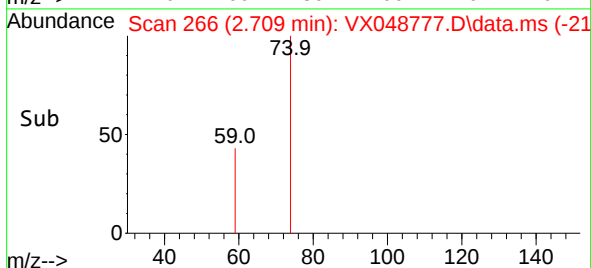
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

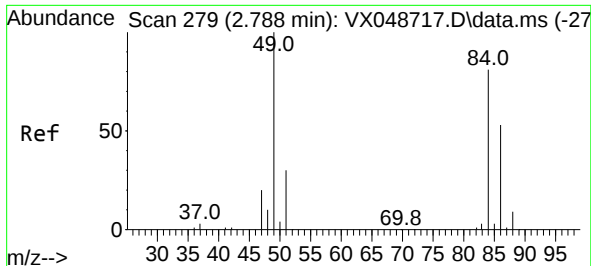


#18
Methyl Acetate
Concen: 2.738 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX048777.D
Acq: 09 Dec 2025 12:46



Tgt Ion: 43 Resp: 5839
Ion Ratio Lower Upper
43 100
74 24.4 19.2 28.8





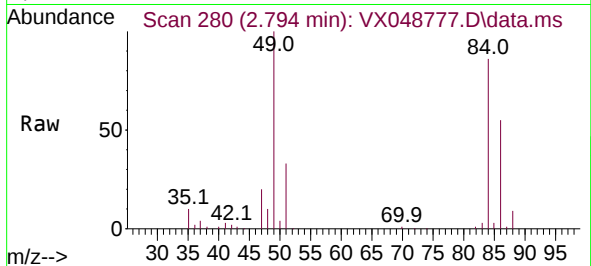
#20
Methylene Chloride
Concen: 66.311 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048777.D
Acq: 09 Dec 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

CHASE-A

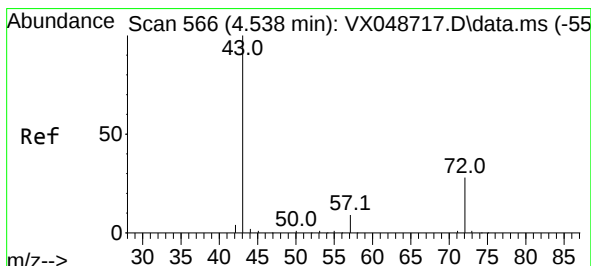
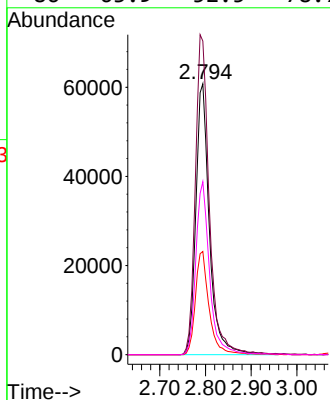
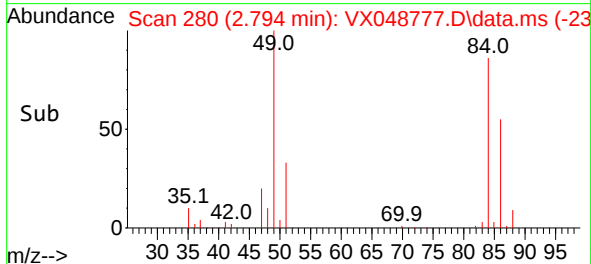


Tgt Ion: 84 Resp: 125604
Ion Ratio Lower Upper
84 100
49 115.8 98.7 148.1
51 38.1 29.4 44.2
86 63.9 52.5 78.7

Manual Integrations

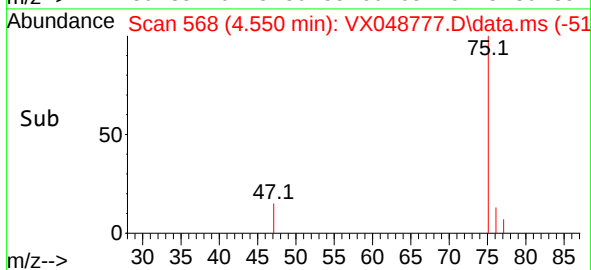
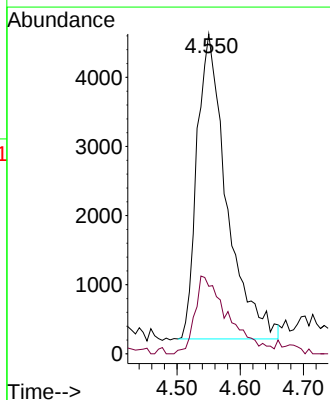
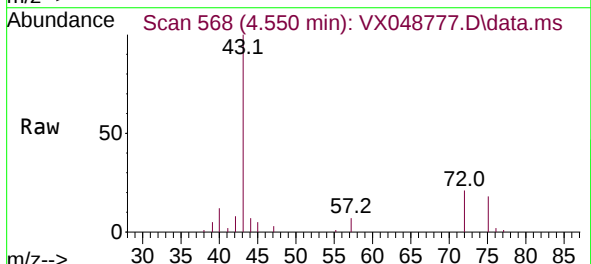
APPROVED

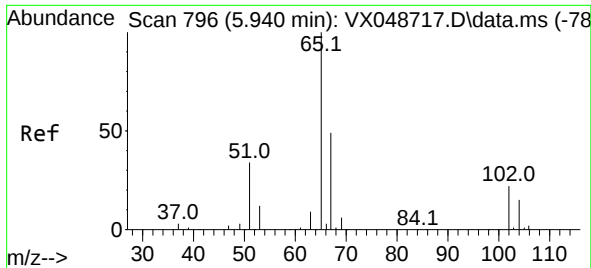
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#25
2-Butanone
Concen: 12.829 ug/l
RT: 4.550 min Scan# 568
Delta R.T. 0.012 min
Lab File: VX048777.D
Acq: 09 Dec 2025 12:46

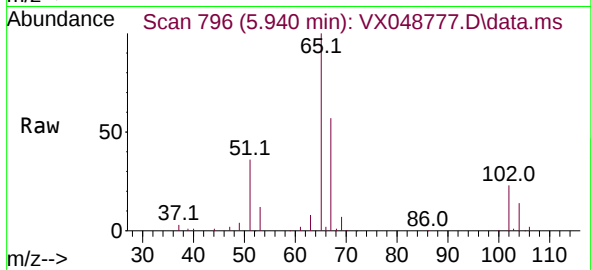
Tgt Ion: 43 Resp: 14349
Ion Ratio Lower Upper
43 100
72 21.0 22.6 34.0#





#33
 1,2-Dichloroethane-d4
 Concen: 50.821 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. 0.000 min
 Lab File: VX048777.D
 Acq: 09 Dec 2025 12:46

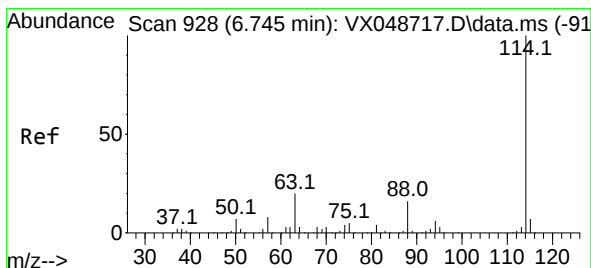
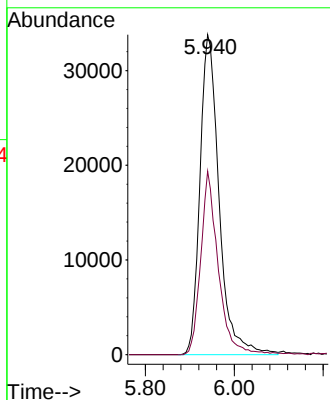
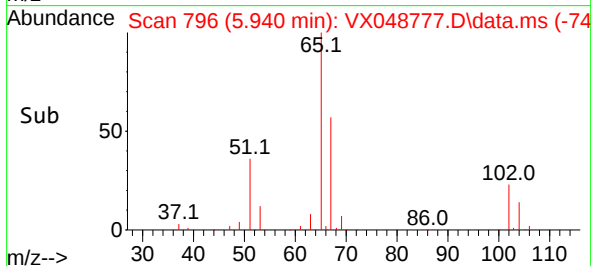
Instrument :
 MSVOA_X
 ClientSampleId :
 CHASE-A



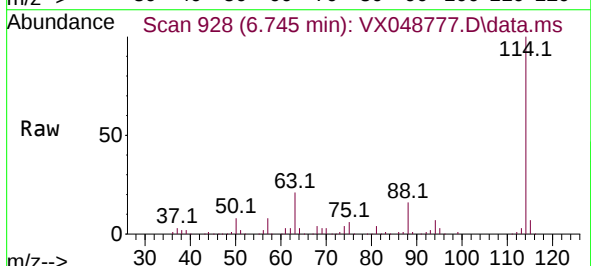
Tgt Ion: 65 Resp: 100604
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 107.4

Manual Integrations
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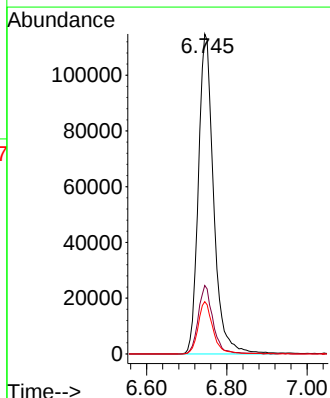
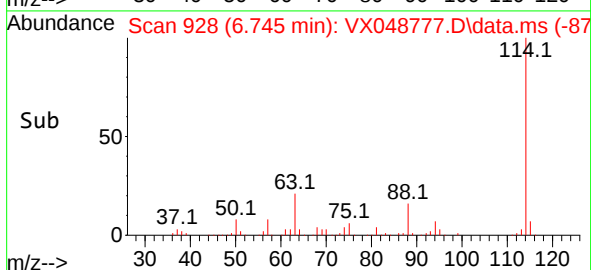
Reviewed By :John Carlone 12/10/2025
 Supervised By :Mahesh Dadoda 12/10/2025

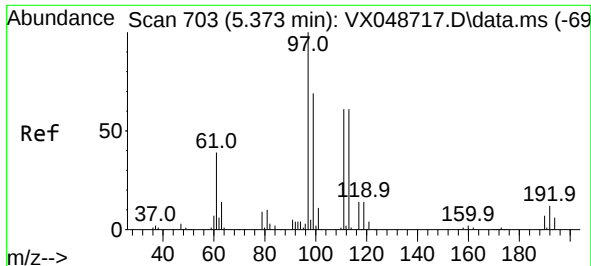


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. 0.000 min
 Lab File: VX048777.D
 Acq: 09 Dec 2025 12:46



Tgt Ion:114 Resp: 302073
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 39.0
 88 16.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 42.966 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX048777.D

Acq: 09 Dec 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

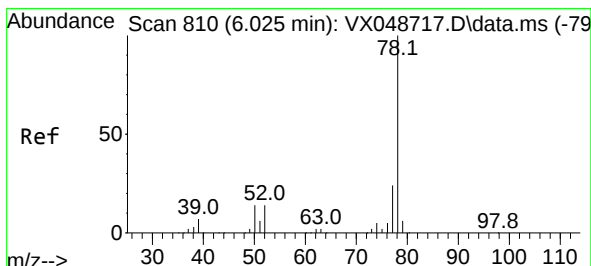
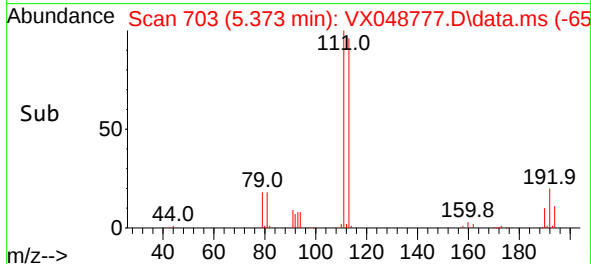
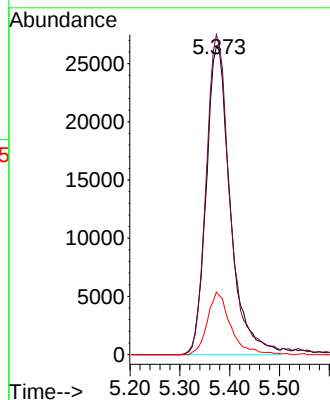
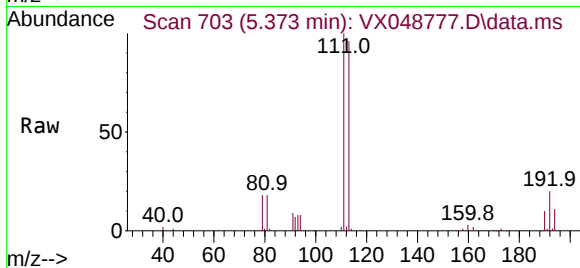
CHASE-A

Tgt Ion:	113	Resp:	89364
Ion Ratio	Lower	Upper	
113	100		
111	102.6	79.5	119.3
192	19.5	16.1	24.1

Manual Integrations

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Reviewed By :John Carlone 12/10/2025
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#40

Benzene

Concen: 104.624 ug/l

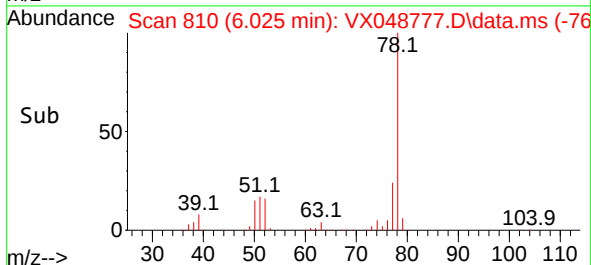
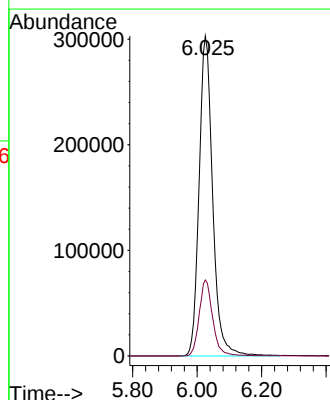
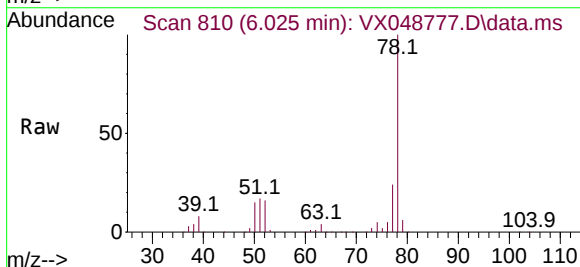
RT: 6.025 min Scan# 810

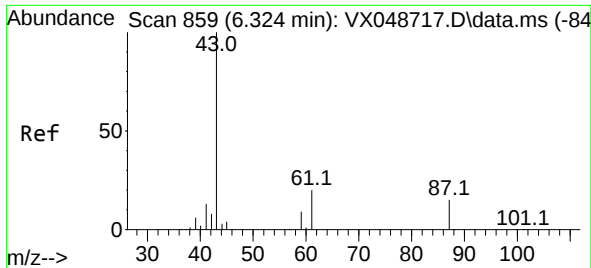
Delta R.T. 0.000 min

Lab File: VX048777.D

Acq: 09 Dec 2025 12:46

Tgt Ion:	78	Resp:	883540
Ion Ratio	Lower	Upper	
78	100		
77	23.7	18.8	28.2





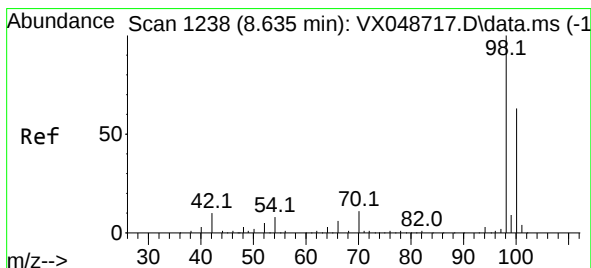
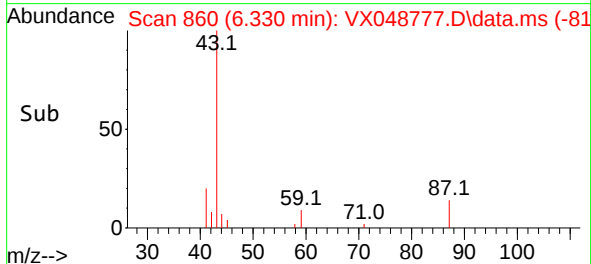
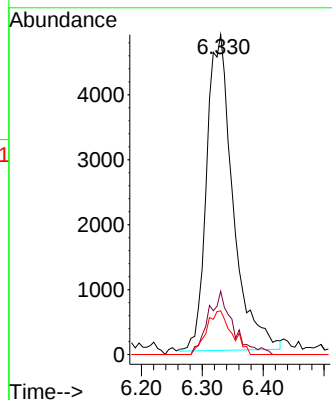
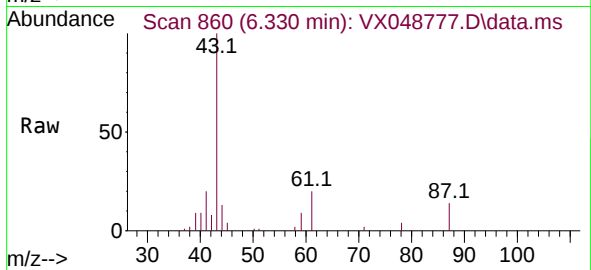
#43
Isopropyl Acetate
Concen: 2.827 ug/l
RT: 6.330 min Scan# 860
Delta R.T. 0.006 min
Lab File: VX048777.D
Acq: 09 Dec 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :
CHASE-A

Tgt Ion: 43 Resp: 14576
Ion Ratio Lower Upper
43 100
61 18.9 16.8 25.2
87 13.3 11.8 17.6

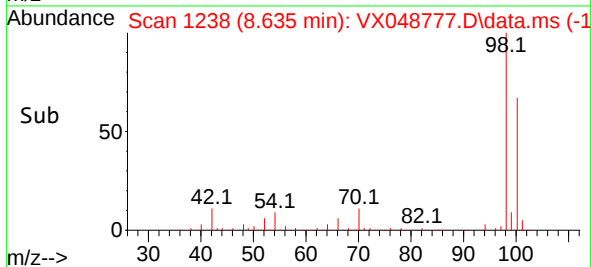
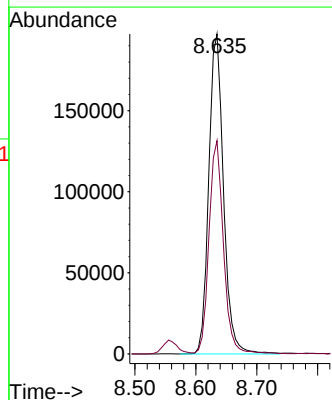
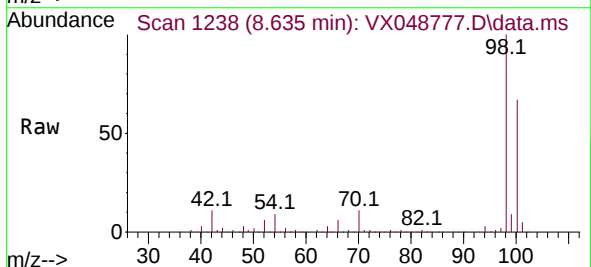
Manual Integrations
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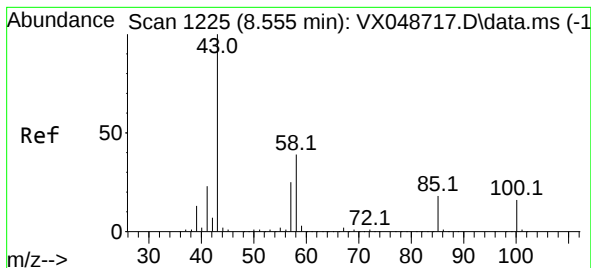
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#50
Toluene-d8
Concen: 45.446 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048777.D
Acq: 09 Dec 2025 12:46

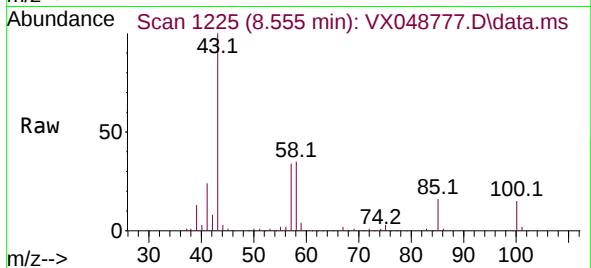
Tgt Ion: 98 Resp: 331334
Ion Ratio Lower Upper
98 100
100 65.2 53.4 80.0





#51
4-Methyl-2-Pentanone
Concen: 30.703 ug/l m
RT: 8.555 min Scan# 1225
Delta R.T. 0.000 min
Lab File: VX048777.D
Acq: 09 Dec 2025 12:46

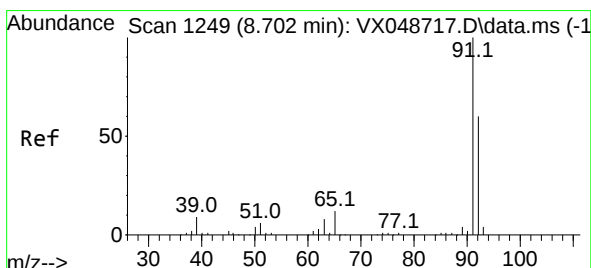
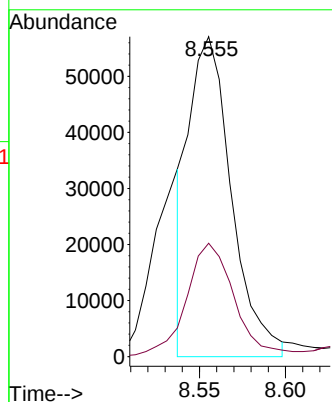
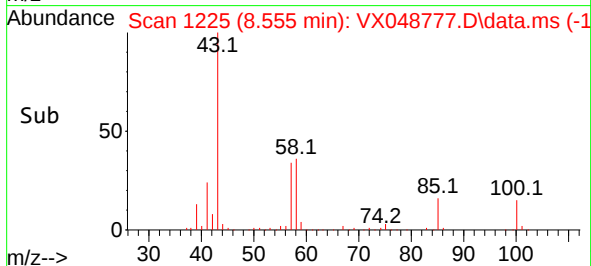
Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion: 43 Resp: 98226
Ion Ratio Lower Upper
43 100
58 40.1 32.2 48.4

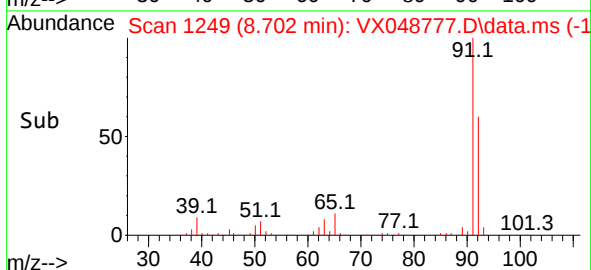
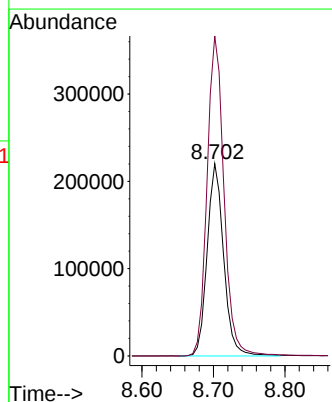
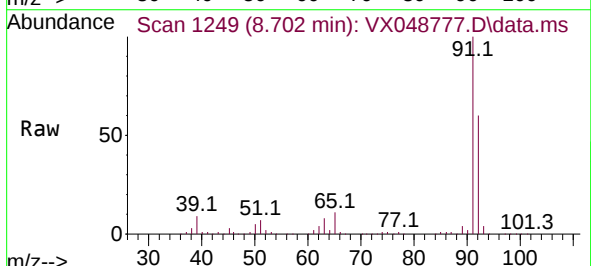
Manual Integrations
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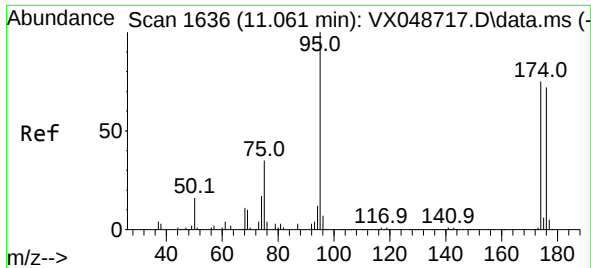
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#52
Toluene
Concen: 69.215 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX048777.D
Acq: 09 Dec 2025 12:46

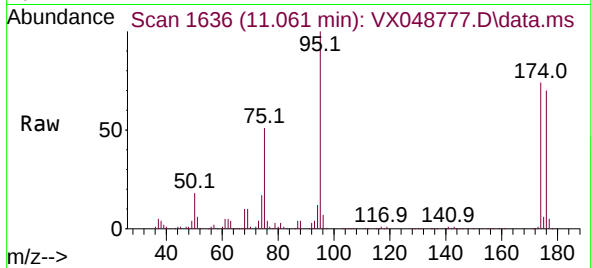
Tgt Ion: 92 Resp: 352467
Ion Ratio Lower Upper
92 100
91 171.0 136.3 204.5





#62
4-Bromofluorobenzene
Concen: 57.552 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048777.D
Acq: 09 Dec 2025 12:46

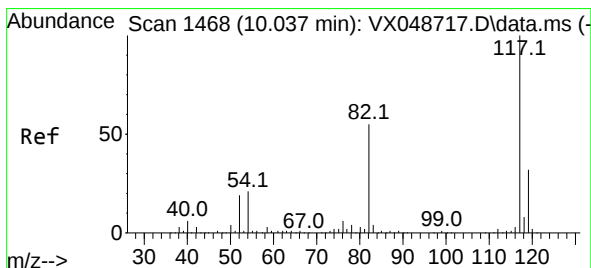
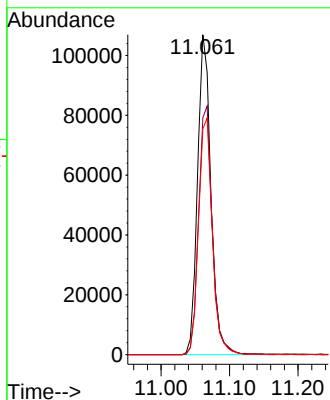
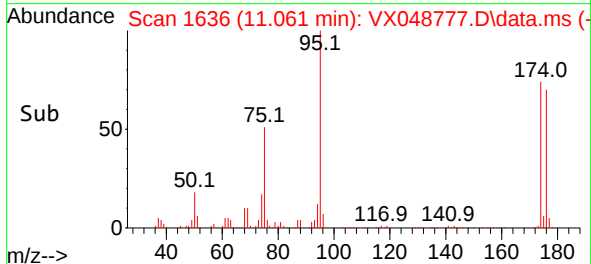
Instrument :
MSVOA_X
ClientSampleId :
CHASE-A



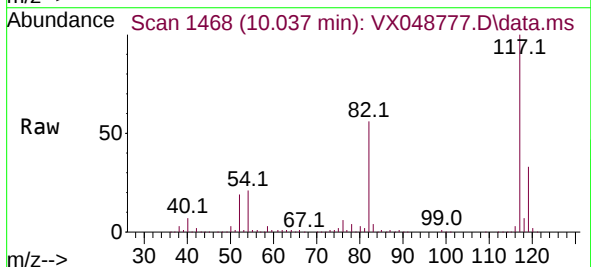
Tgt Ion: 95 Resp: 144689
Ion Ratio Lower Upper
95 100
174 79.7 0.0 157.8
176 75.7 0.0 154.0

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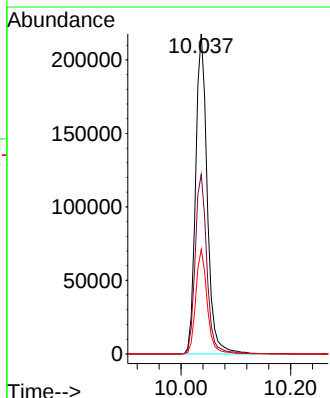
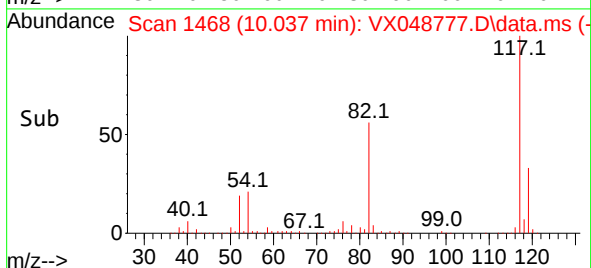
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

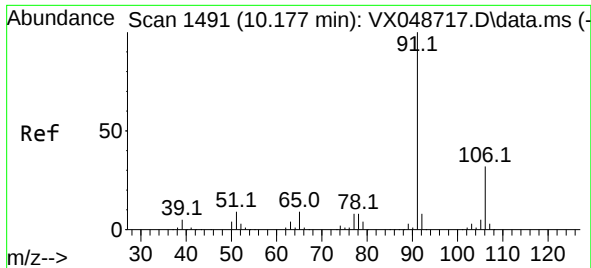


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048777.D
Acq: 09 Dec 2025 12:46



Tgt Ion:117 Resp: 319088
Ion Ratio Lower Upper
117 100
82 56.1 44.1 66.1
119 32.7 25.2 37.8





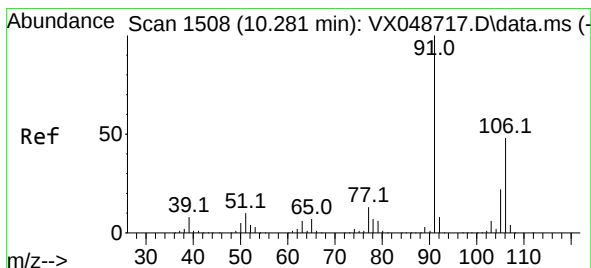
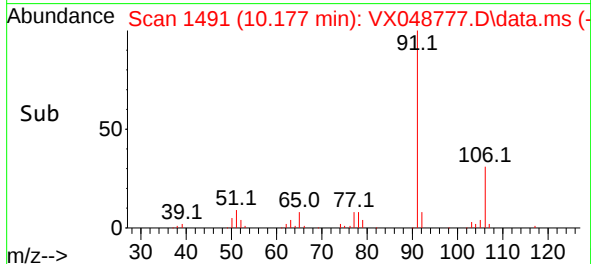
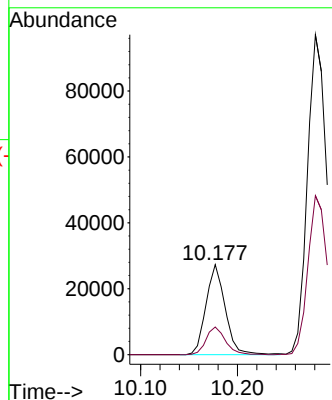
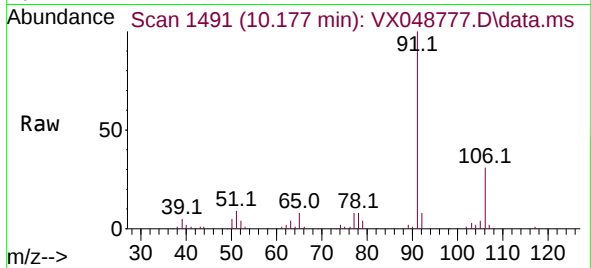
#67
Ethyl Benzene
Concen: 3.301 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VX048777.D
Acq: 09 Dec 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :
CHASE-A

Tgt Ion: 91 Resp: 37618
Ion Ratio Lower Upper
91 100
106 30.7 25.3 37.9

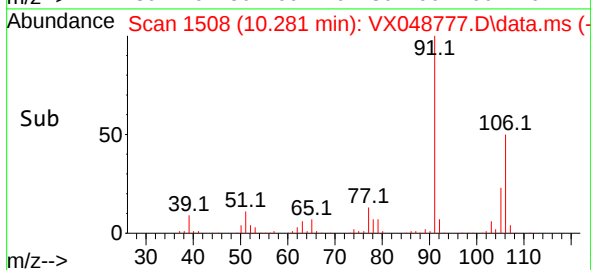
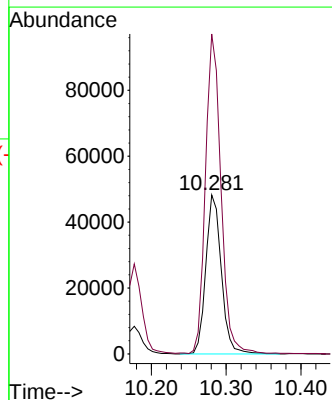
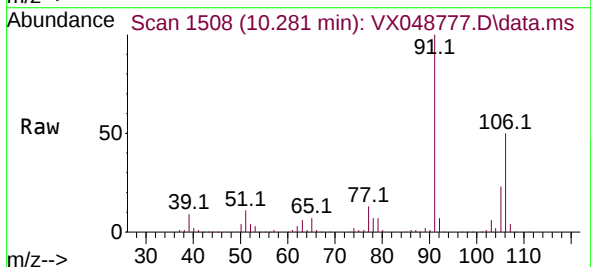
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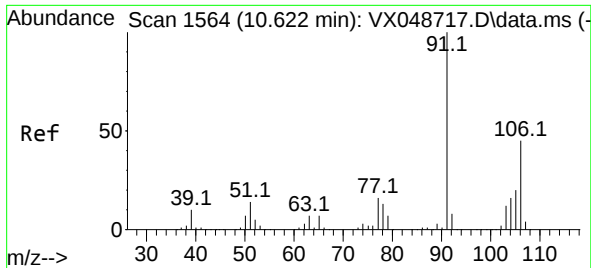
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#68
m/p-Xylenes
Concen: 15.653 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VX048777.D
Acq: 09 Dec 2025 12:46

Tgt Ion:106 Resp: 69491
Ion Ratio Lower Upper
106 100
91 202.6 164.2 246.4





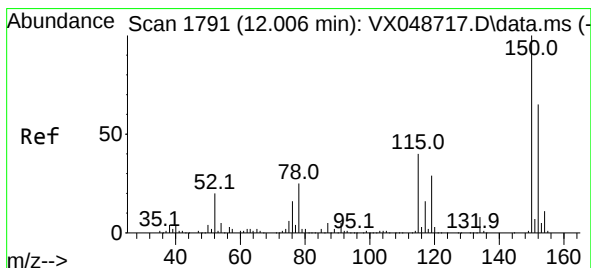
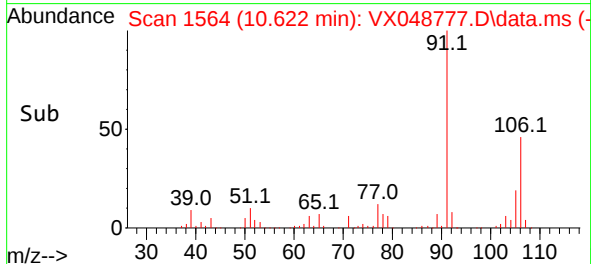
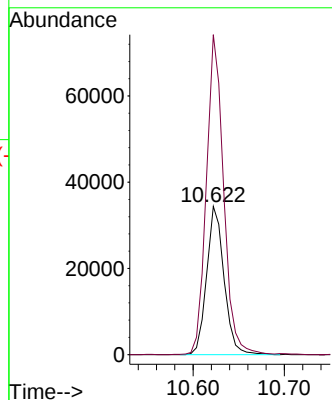
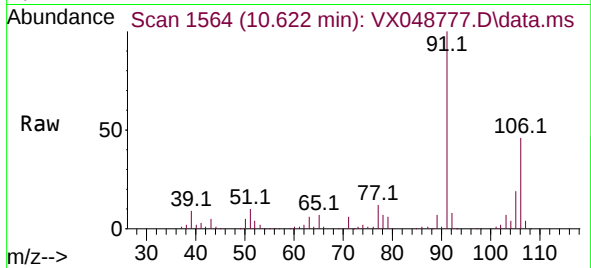
#69
o-Xylene
Concen: 10.957 ug/l
RT: 10.622 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048777.D
Acq: 09 Dec 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :
CHASE-A

Tgt Ion:106 Resp: 45583
Ion Ratio Lower Upper
106 100
91 214.0 108.1 324.3

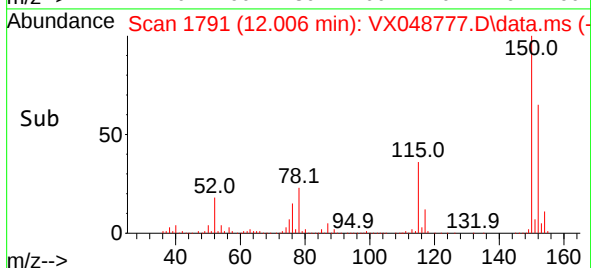
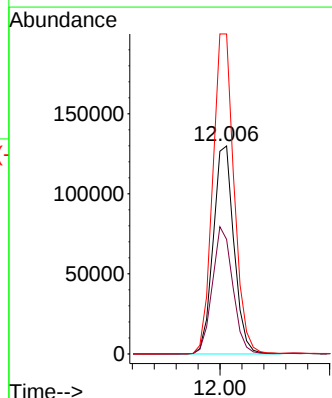
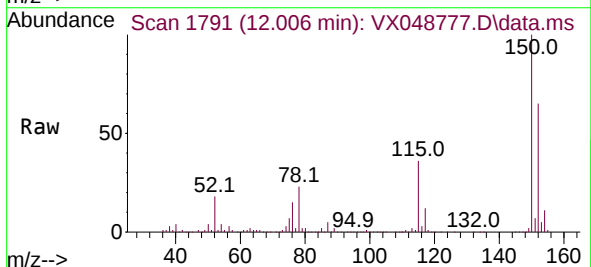
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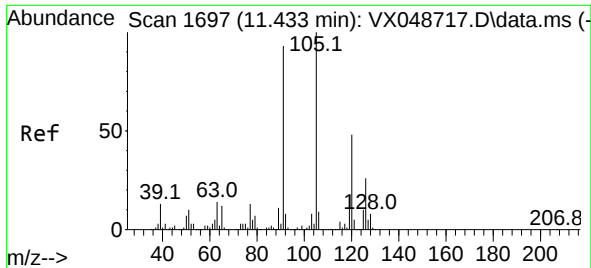
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048777.D
Acq: 09 Dec 2025 12:46

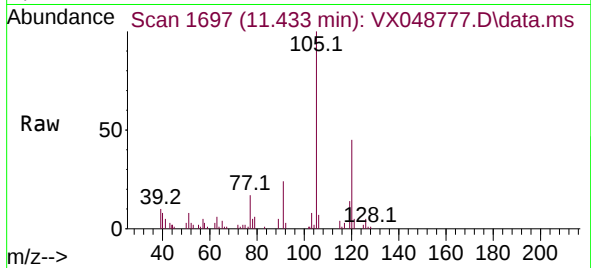
Tgt Ion:152 Resp: 170447
Ion Ratio Lower Upper
152 100
115 60.1 42.1 126.4
150 158.7 0.0 347.8





#80
1,3,5-Trimethylbenzene
Concen: 1.071 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX048777.D
Acq: 09 Dec 2025 12:46

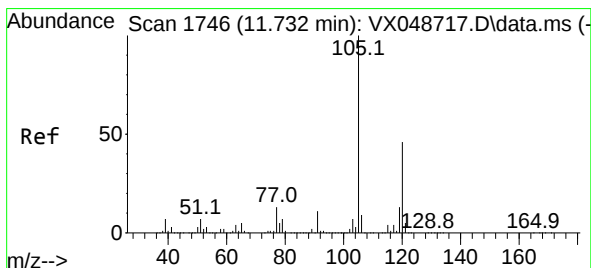
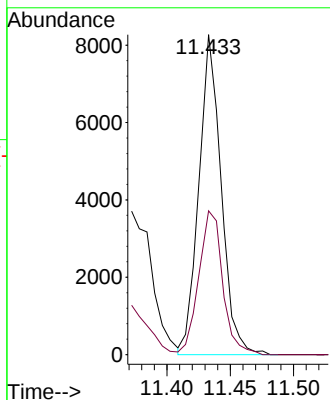
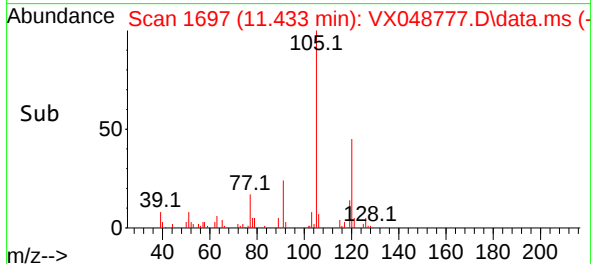
Instrument :
MSVOA_X
ClientSampleId :
CHASE-A



Tgt Ion:105 Resp: 10109
Ion Ratio Lower Upper
105 100
120 48.3 24.4 73.2

Manual Integrations
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Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#84
1,2,4-Trimethylbenzene
Concen: 4.324 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX048777.D
Acq: 09 Dec 2025 12:46

Tgt Ion:105 Resp: 41179
Ion Ratio Lower Upper
105 100
120 26.9 22.3 66.8

