

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102325\
 Data File : VX048316.D
 Acq On : 23 Oct 2025 11:54
 Operator : JC/MD
 Sample : Q3414-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1

Quant Time: Oct 24 05:41:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	100987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	191847	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	194077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	99886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	77669	54.854	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.700%			
35) Dibromofluoromethane	5.367	113	52079	39.763	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 79.520%			
50) Toluene-d8	8.634	98	213382	46.481	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.960%			
62) 4-Bromofluorobenzene	11.061	95	89596	51.302	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.600%			
Target Compounds					Qvalue	
16) Acetone	2.373	43	23220	47.804	ug/l	96
18) Methyl Acetate	2.702	43	3019	2.976	ug/l #	64
20) Methylene Chloride	2.788	84	3398	2.871	ug/l	98
25) 2-Butanone	4.550	43	6202	10.088	ug/l	94
31) Cyclohexane	5.458	56	8757	4.982	ug/l	89
39) Methylcyclohexane	7.360	83	9587	4.361	ug/l	97
40) Benzene	6.025	78	4882949	903.465	ug/l	100
43) Isopropyl Acetate	6.318	43	9076	3.581	ug/l	97
52) Toluene	8.701	92	2962432	862.797	ug/l	97
67) Ethyl Benzene	10.177	91	474423	63.826	ug/l	100
68) m/p-Xylenes	10.280	106	1022483	370.230	ug/l	98
69) o-Xylene	10.628	106	947483	355.355	ug/l	99
70) Styrene	10.634	104	374569	82.503	ug/l #	65
73) Isopropylbenzene	10.945	105	36757	5.038	ug/l	99
78) n-propylbenzene	11.286	91	65986	7.812	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	382036	63.277	ug/l	100
84) 1,2,4-Trimethylbenzene	11.731	105	942383	156.402	ug/l	99
85) sec-Butylbenzene	11.872	105	7526m	1.008	ug/l	
95) Naphthalene	13.761	128	6221346	1072.433	ug/l	98

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

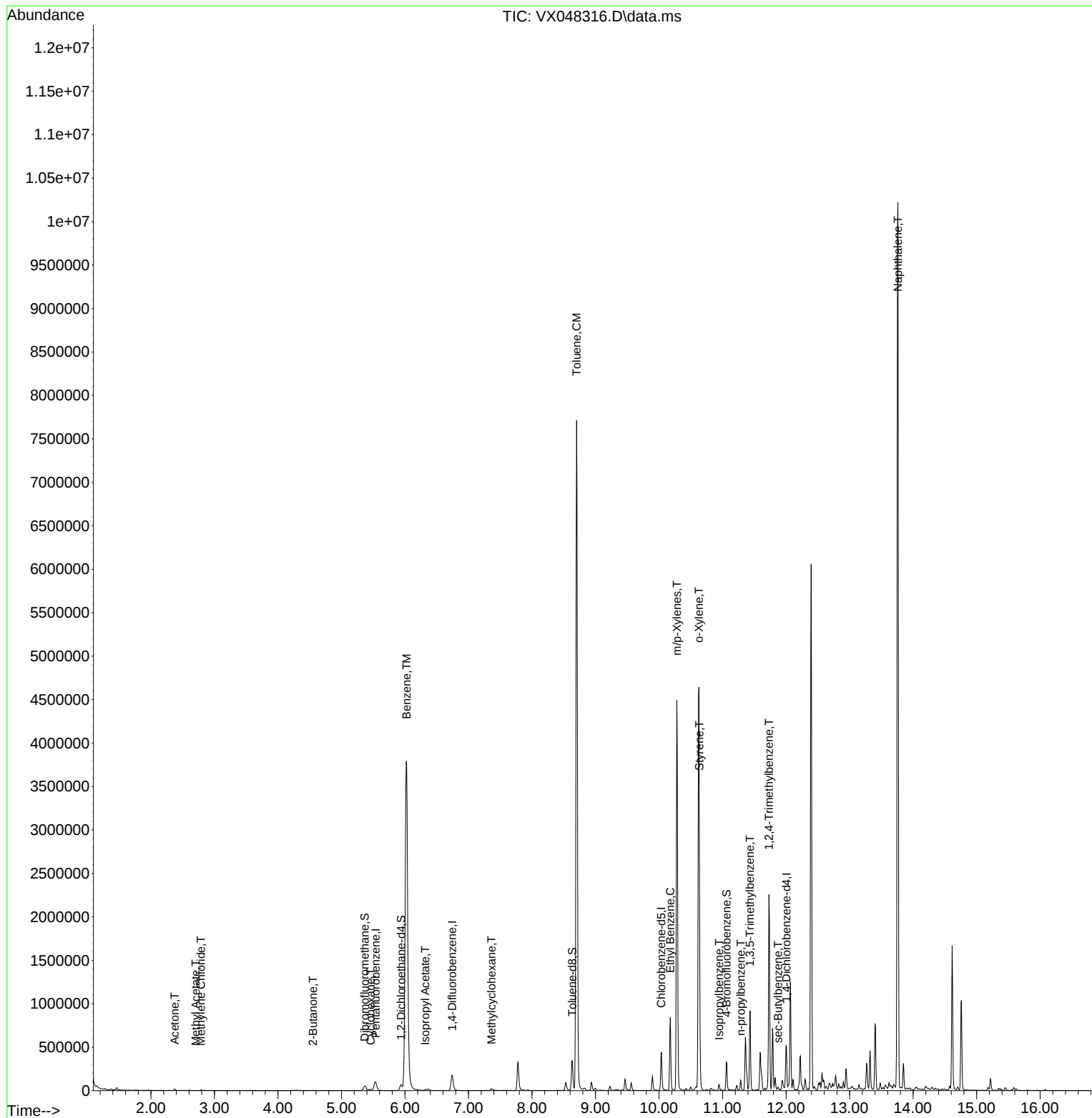
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102325\
Data File : VX048316.D
Acq On : 23 Oct 2025 11:54
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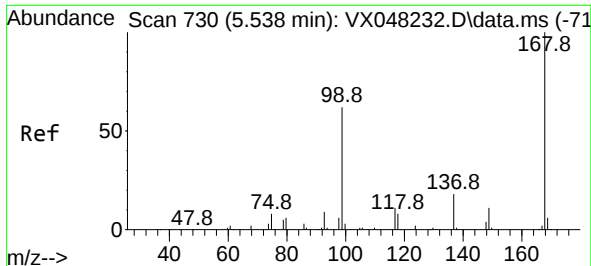
Instrument :
MSVOA_X
ClientSampleId :
SB-1

Quant Time: Oct 24 05:41:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

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APPROVED

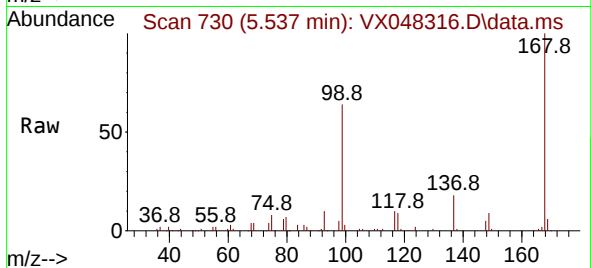
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX048316.D
Acq: 23 Oct 2025 11:54

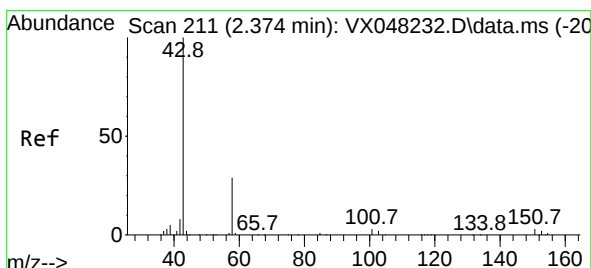
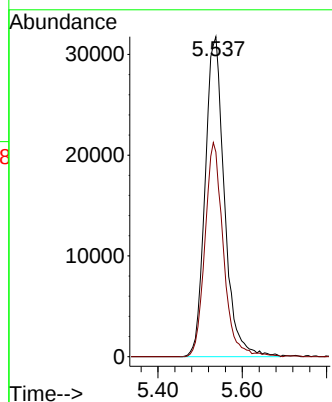
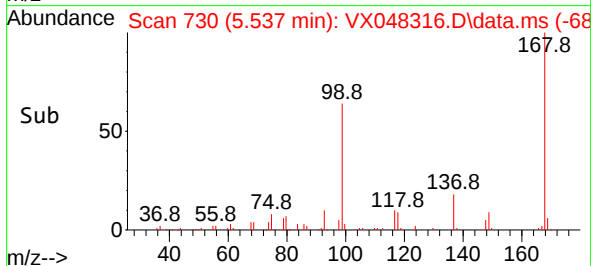
Instrument :
MSVOA_X
ClientSampleId :
SB-1



Tgt Ion:168 Resp: 10098
Ion Ratio Lower Upper
168 100
99 64.0 46.4 69.6

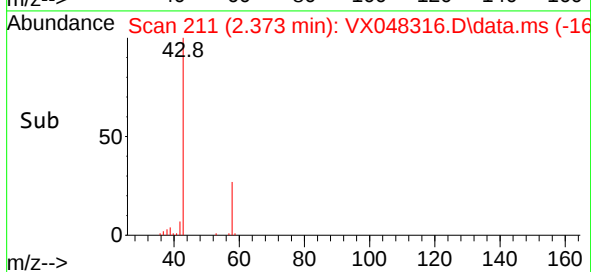
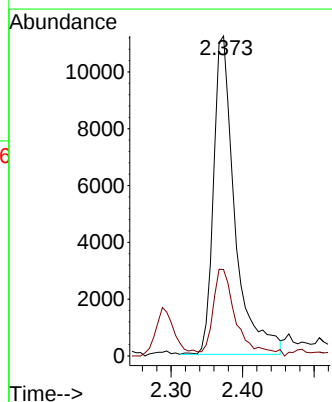
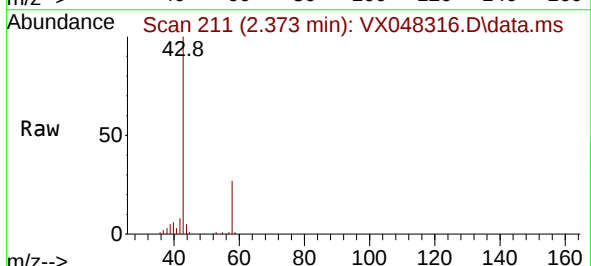
Manual Integrations
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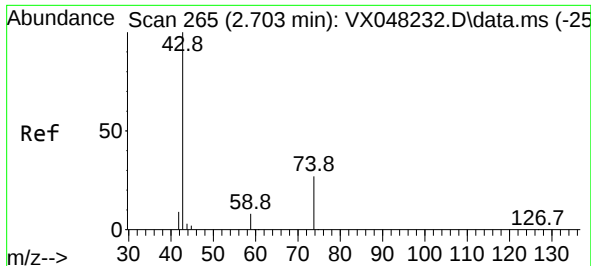
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#16
Acetone
Concen: 47.804 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048316.D
Acq: 23 Oct 2025 11:54

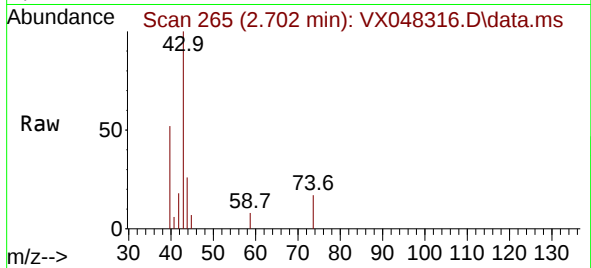
Tgt Ion: 43 Resp: 23220
Ion Ratio Lower Upper
43 100
58 27.3 23.4 35.2





#18
Methyl Acetate
Concen: 2.976 ug/l
RT: 2.702 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048316.D
Acq: 23 Oct 2025 11:54

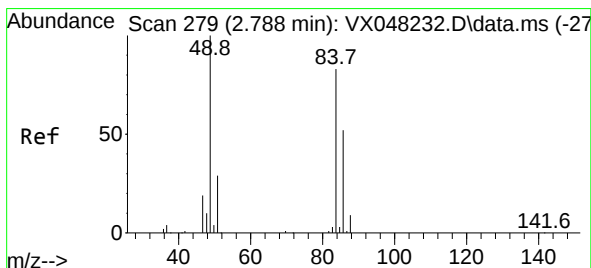
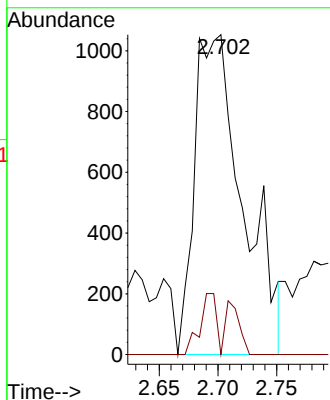
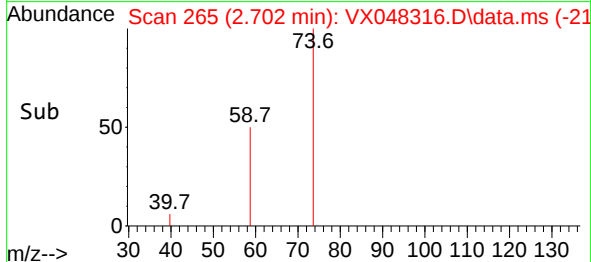
Instrument :
MSVOA_X
ClientSampleId :
SB-1



Tgt Ion: 43 Resp: 3019
Ion Ratio Lower Upper
43 100
74 4.8 17.5 26.3

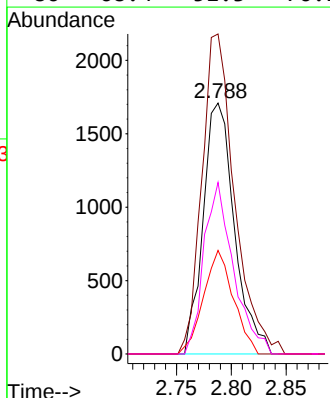
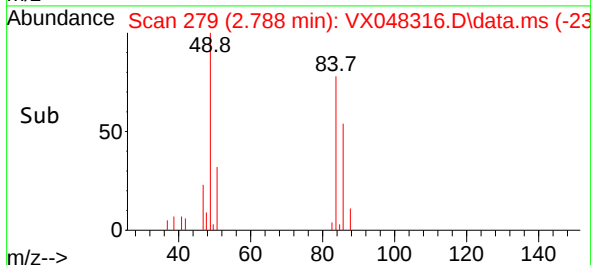
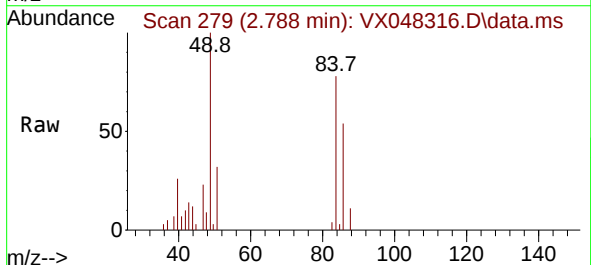
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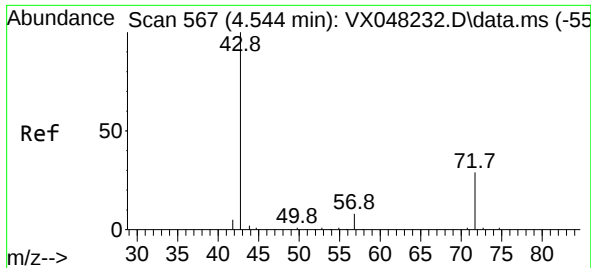
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#20
Methylene Chloride
Concen: 2.871 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048316.D
Acq: 23 Oct 2025 11:54

Tgt Ion: 84 Resp: 3398
Ion Ratio Lower Upper
84 100
49 130.9 104.1 156.1
51 41.3 31.3 46.9
86 68.4 51.3 76.9





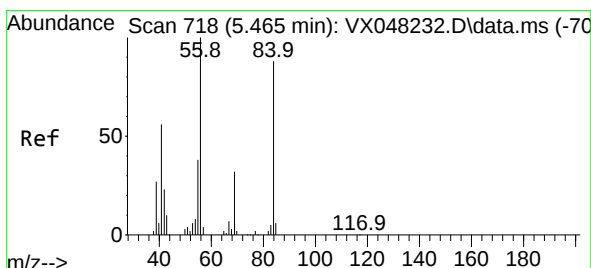
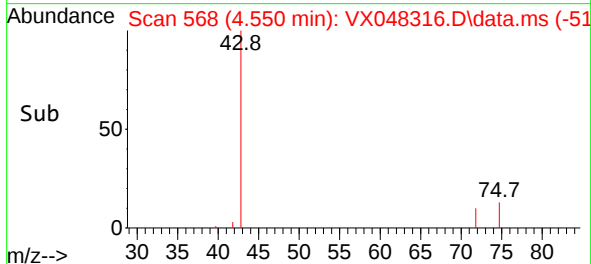
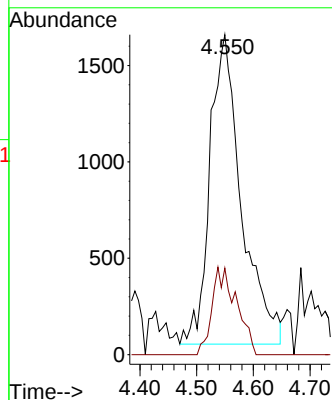
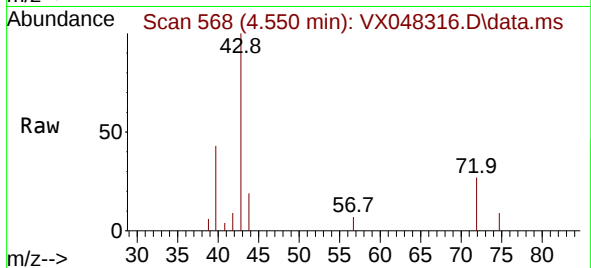
#25
2-Butanone
Concen: 10.088 ug/l
RT: 4.550 min Scan# 50
Delta R.T. 0.012 min
Lab File: VX048316.D
Acq: 23 Oct 2025 11:54

Instrument :
MSVOA_X
ClientSampleId :
SB-1

Tgt Ion: 43 Resp: 620
Ion Ratio Lower Upper
43 100
72 28.0 19.9 29.9

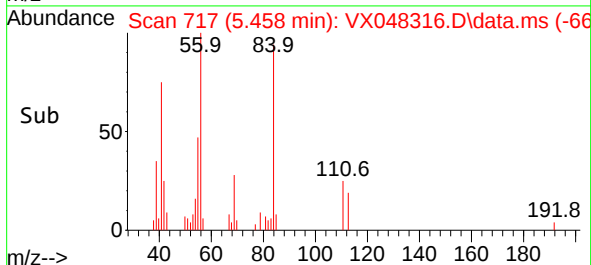
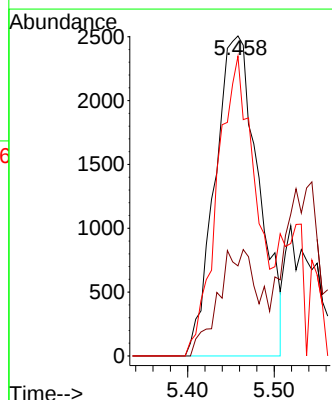
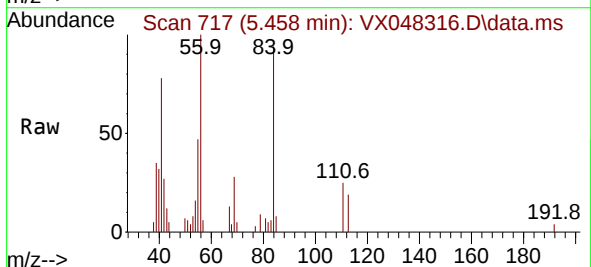
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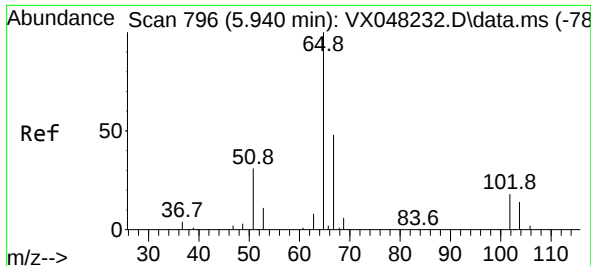
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#31
Cyclohexane
Concen: 4.982 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX048316.D
Acq: 23 Oct 2025 11:54

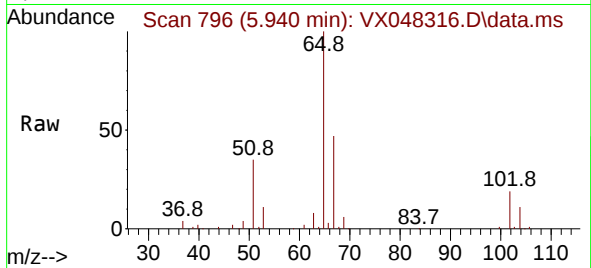
Tgt Ion: 56 Resp: 8757
Ion Ratio Lower Upper
56 100
69 28.2 23.0 34.6
84 93.7 64.6 97.0





#33
 1,2-Dichloroethane-d4
 Concen: 54.854 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: VX048316.D
 Acq: 23 Oct 2025 11:54

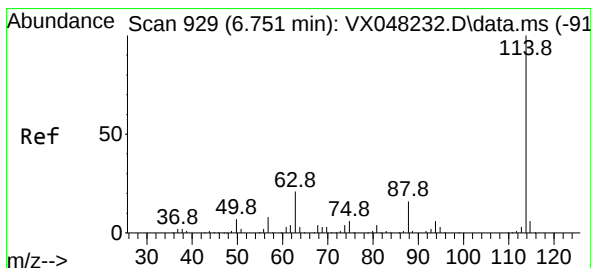
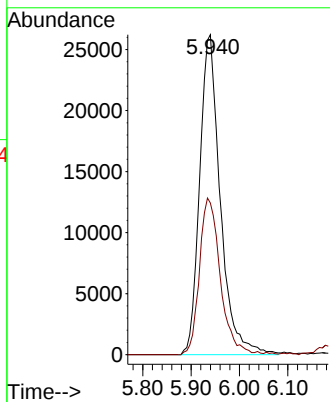
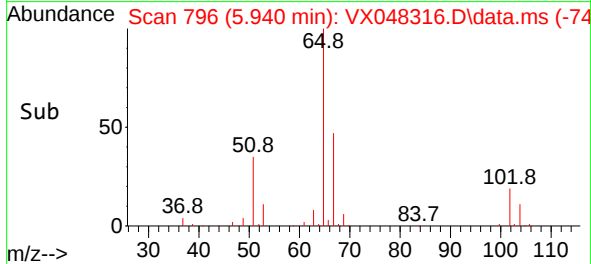
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1



Tgt Ion: 65 Resp: 77669
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 105.0

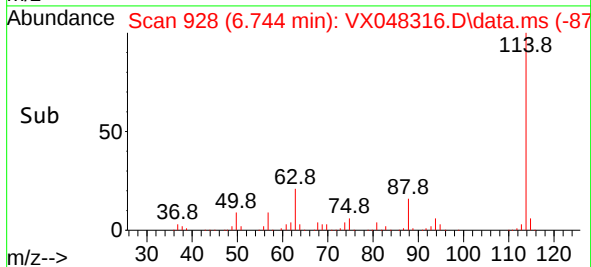
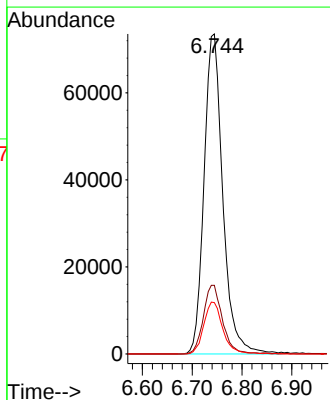
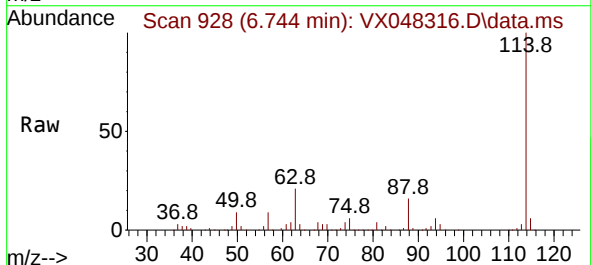
Manual Integrations
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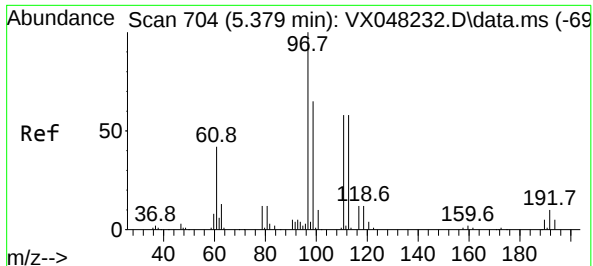
Reviewed By :John Carlone 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.744 min Scan# 928
 Delta R.T. -0.001 min
 Lab File: VX048316.D
 Acq: 23 Oct 2025 11:54

Tgt Ion:114 Resp: 191847
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 16.1 0.0 33.6





#35

Dibromofluoromethane

Concen: 39.763 ug/l

RT: 5.367 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX048316.D

Acq: 23 Oct 2025 11:54

Instrument :

MSVOA_X

ClientSampleId :

SB-1

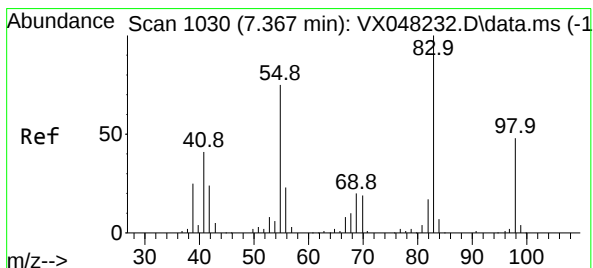
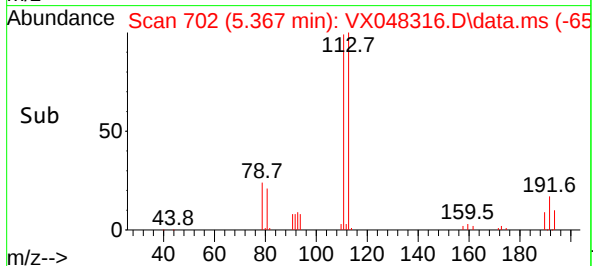
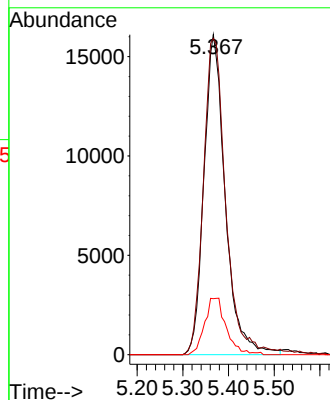
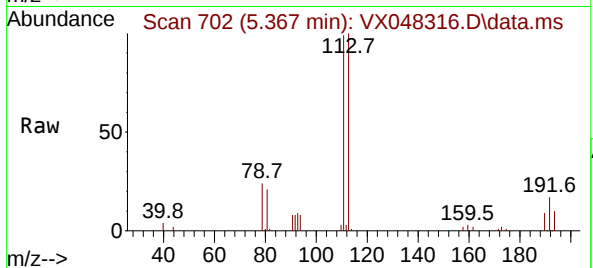
Tgt Ion:	113	Resp:	52079
Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	17.9	15.1	22.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#39

Methylcyclohexane

Concen: 4.361 ug/l

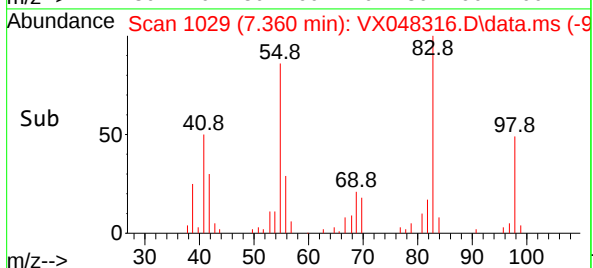
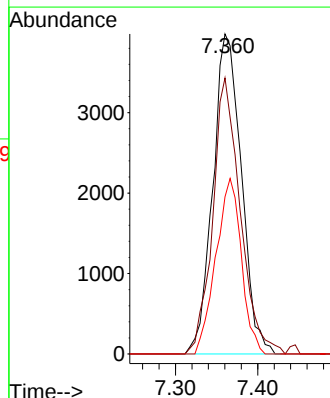
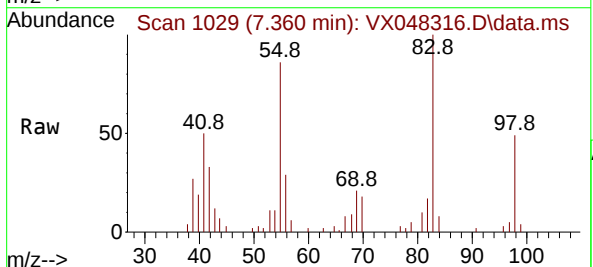
RT: 7.360 min Scan# 1029

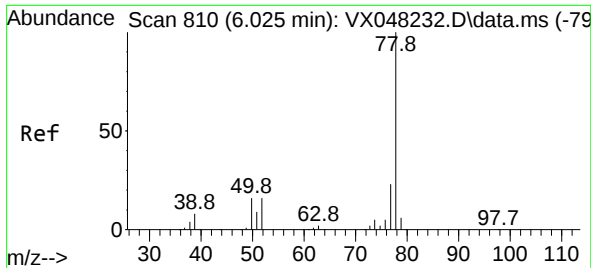
Delta R.T. -0.006 min

Lab File: VX048316.D

Acq: 23 Oct 2025 11:54

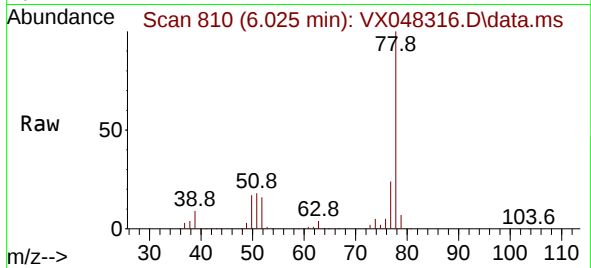
Tgt Ion:	83	Resp:	9587
Ion	Ratio	Lower	Upper
83	100		
55	86.2	66.2	99.2
98	49.1	38.9	58.3





#40
Benzene
Concen: 903.465 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048316.D
Acq: 23 Oct 2025 11:54

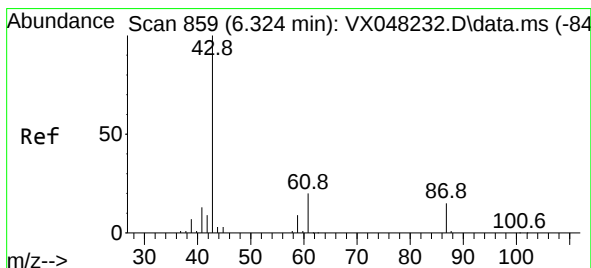
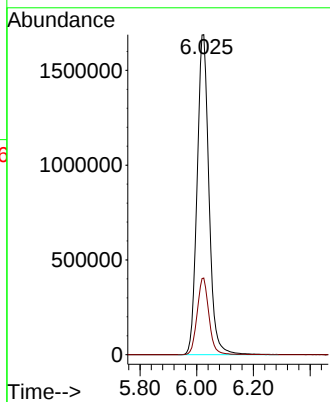
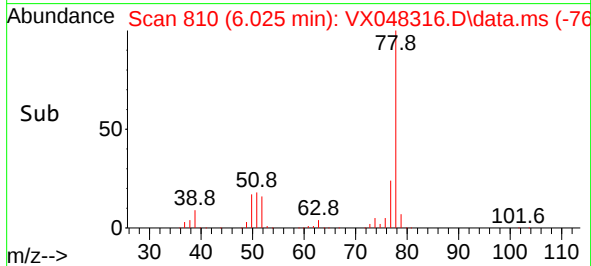
Instrument :
MSVOA_X
ClientSampleId :
SB-1



Tgt Ion: 78 Resp: 4882949
Ion Ratio Lower Upper
78 100
77 24.0 19.3 28.9

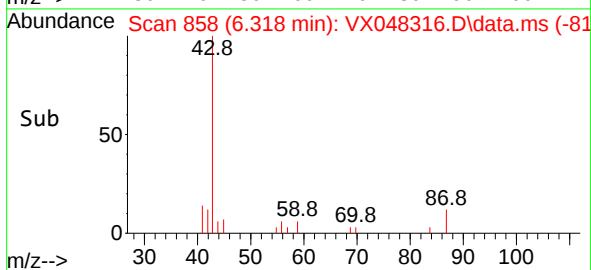
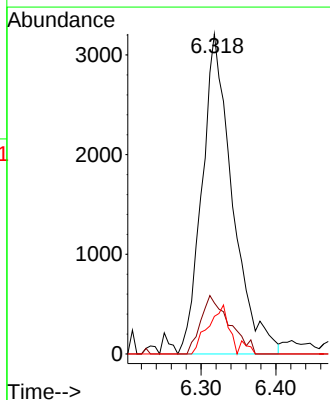
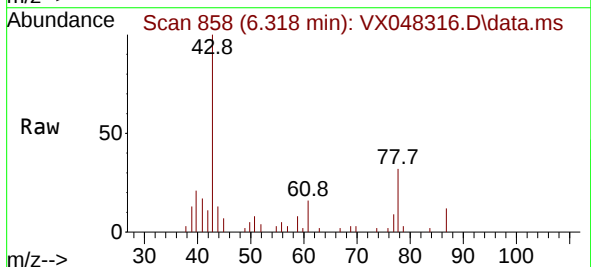
Manual Integrations
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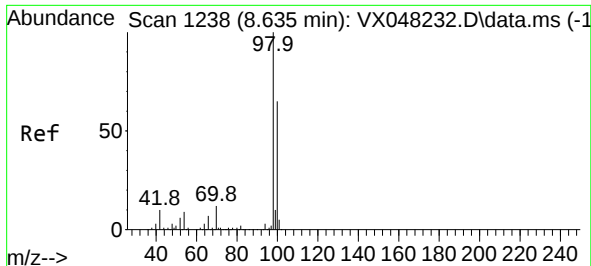
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#43
Isopropyl Acetate
Concen: 3.581 ug/l
RT: 6.318 min Scan# 858
Delta R.T. -0.006 min
Lab File: VX048316.D
Acq: 23 Oct 2025 11:54

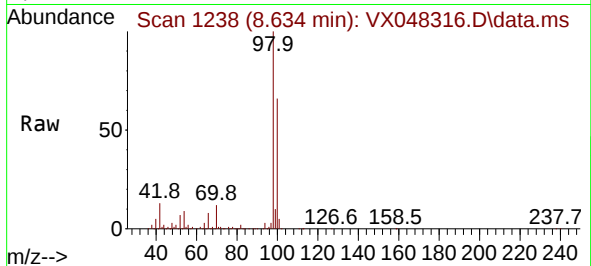
Tgt Ion: 43 Resp: 9076
Ion Ratio Lower Upper
43 100
61 17.2 14.9 22.3
87 10.2 9.4 14.2





#50
Toluene-d8
Concen: 46.481 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048316.D
Acq: 23 Oct 2025 11:54

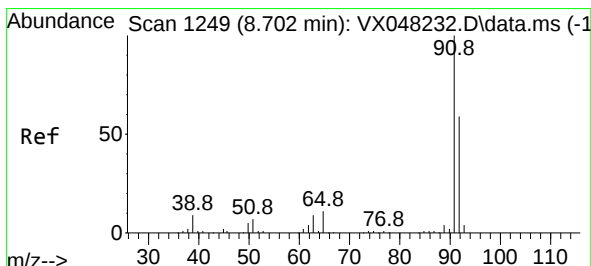
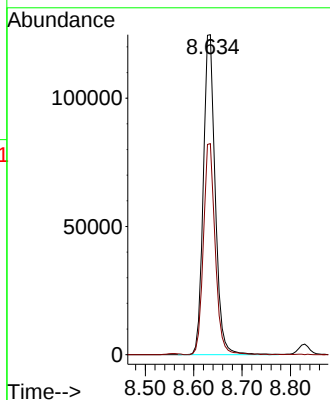
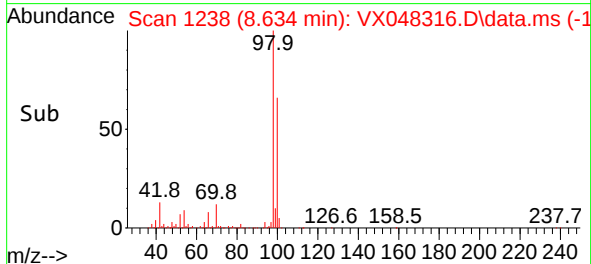
Instrument :
MSVOA_X
ClientSampleId :
SB-1



Tgt Ion: 98 Resp: 21338
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4

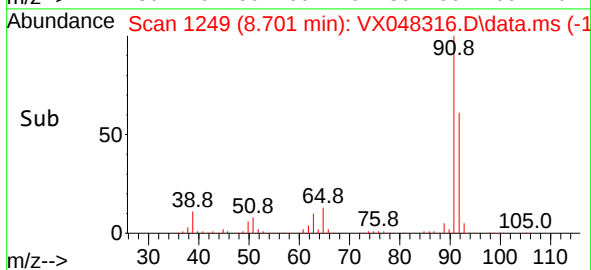
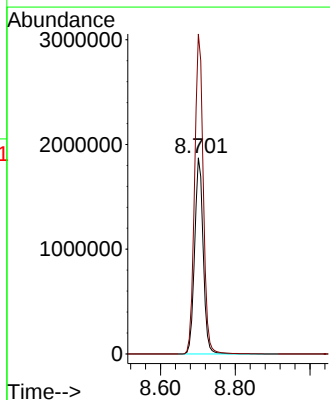
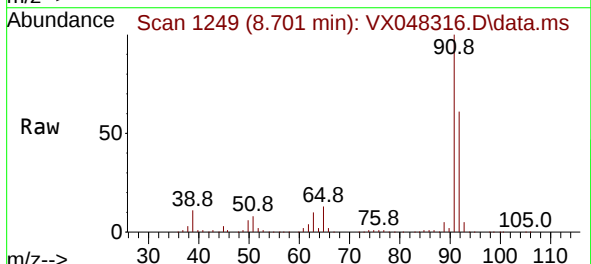
Manual Integrations
APPROVED

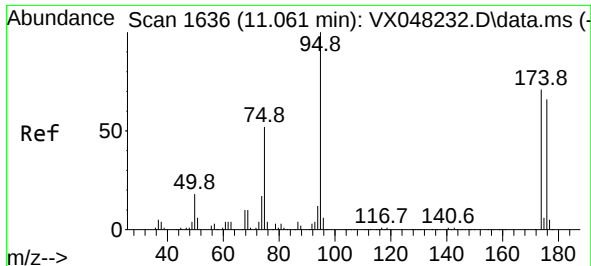
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#52
Toluene
Concen: 862.797 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048316.D
Acq: 23 Oct 2025 11:54

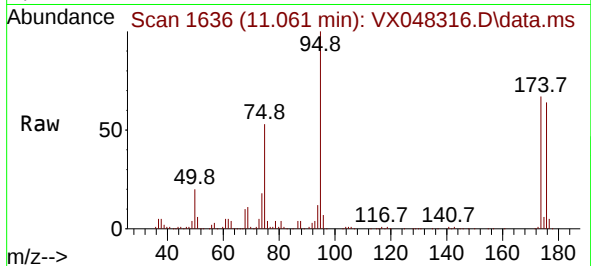
Tgt Ion: 92 Resp: 2962432
Ion Ratio Lower Upper
92 100
91 165.9 136.1 204.1





#62
4-Bromofluorobenzene
Concen: 51.302 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048316.D
Acq: 23 Oct 2025 11:54

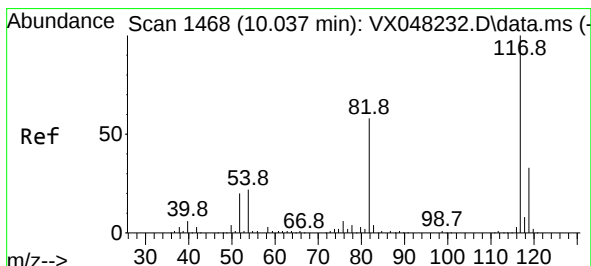
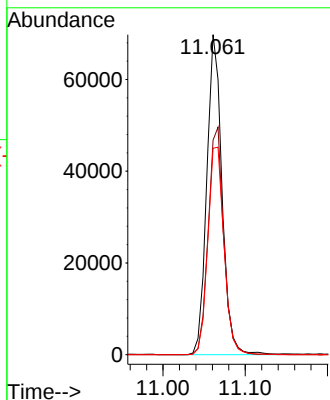
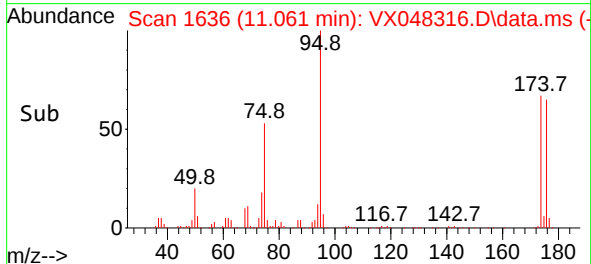
Instrument :
MSVOA_X
ClientSampleId :
SB-1



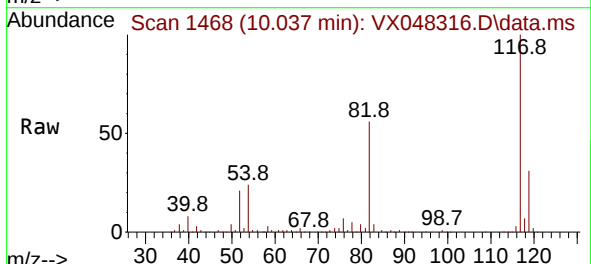
Tgt Ion: 95 Resp: 89590
Ion Ratio Lower Upper
95 100
174 72.5 0.0 147.8
176 69.0 0.0 142.8

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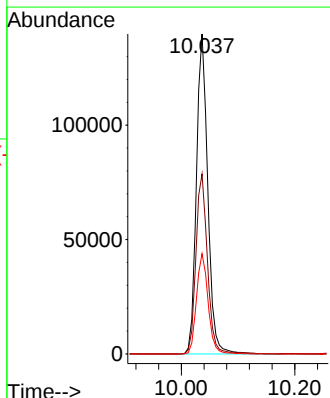
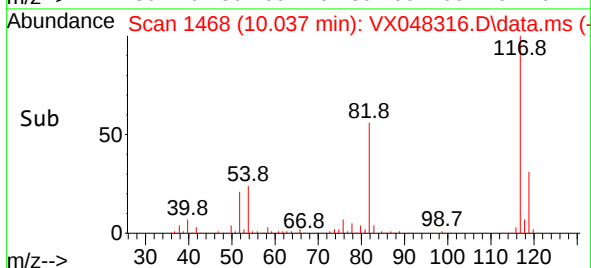
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

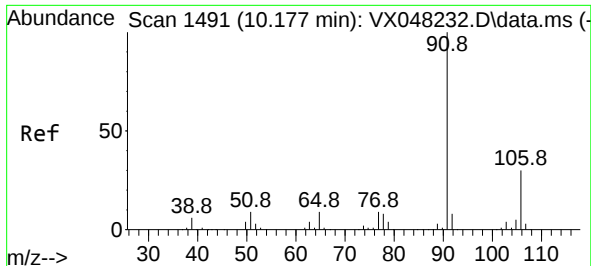


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048316.D
Acq: 23 Oct 2025 11:54



Tgt Ion:117 Resp: 194077
Ion Ratio Lower Upper
117 100
82 56.2 46.5 69.7
119 31.3 25.9 38.9





#67

Ethyl Benzene

Concen: 63.826 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX048316.D

Acq: 23 Oct 2025 11:54

Instrument :

MSVOA_X

ClientSampleId :

SB-1

Tgt Ion: 91 Resp: 47442

Ion Ratio Lower Upper

91 100

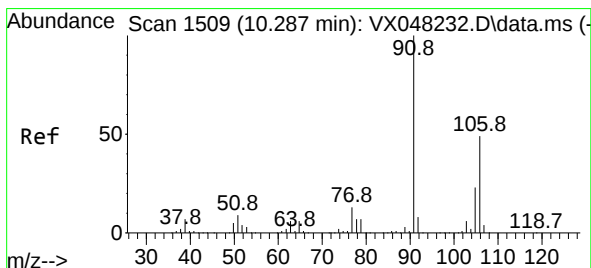
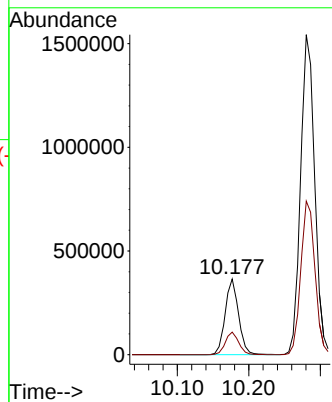
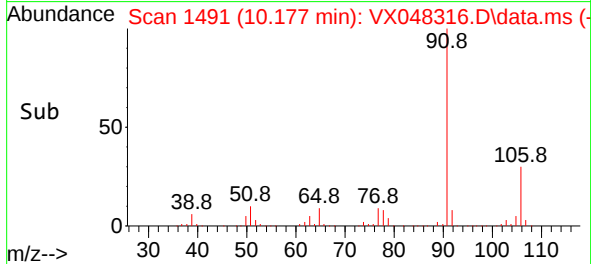
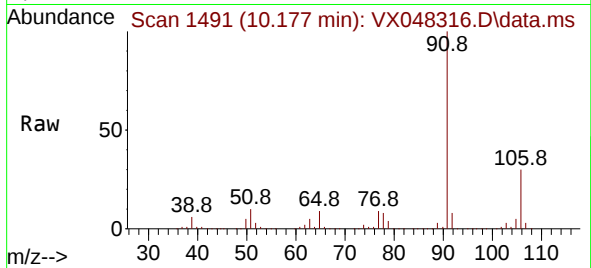
106 29.8 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#68

m/p-Xylenes

Concen: 370.230 ug/l

RT: 10.280 min Scan# 1508

Delta R.T. -0.006 min

Lab File: VX048316.D

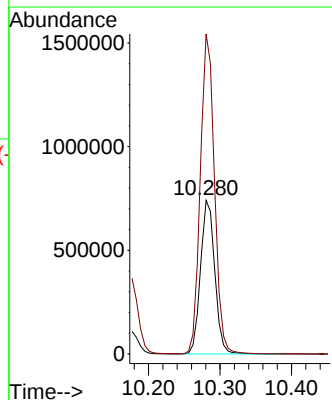
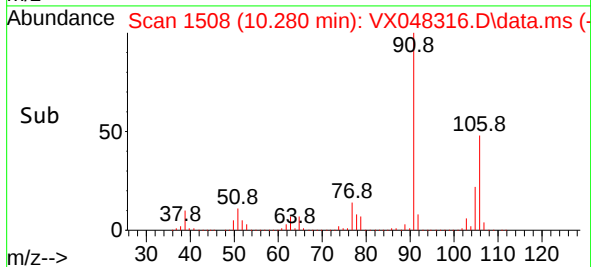
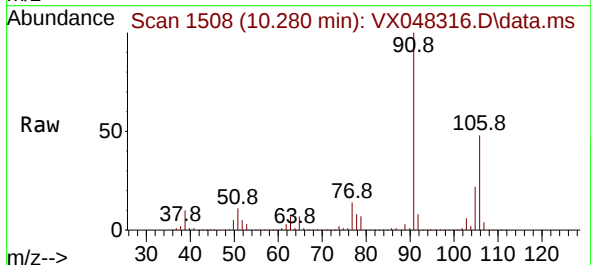
Acq: 23 Oct 2025 11:54

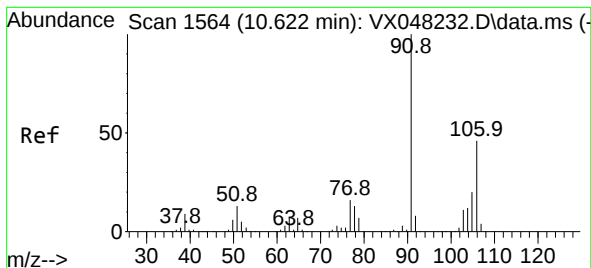
Tgt Ion:106 Resp: 1022483

Ion Ratio Lower Upper

106 100

91 207.2 167.9 251.9





#69

o-Xylene

Concen: 355.355 ug/l

RT: 10.628 min Scan# 1564

Delta R.T. 0.006 min

Lab File: VX048316.D

Acq: 23 Oct 2025 11:54

Instrument :

MSVOA_X

ClientSampleId :

SB-1

Tgt Ion:106 Resp: 94748

Ion Ratio Lower Upper

106 100

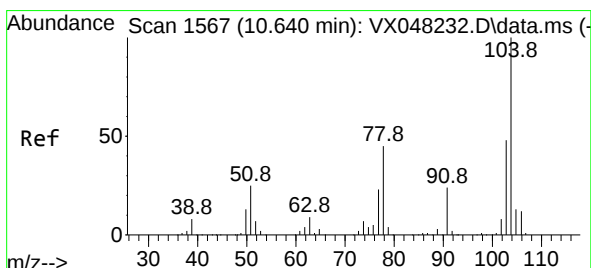
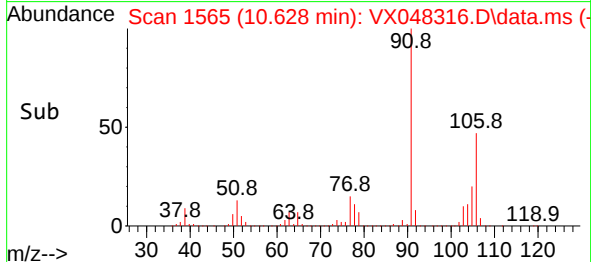
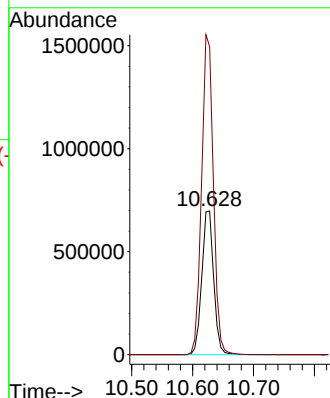
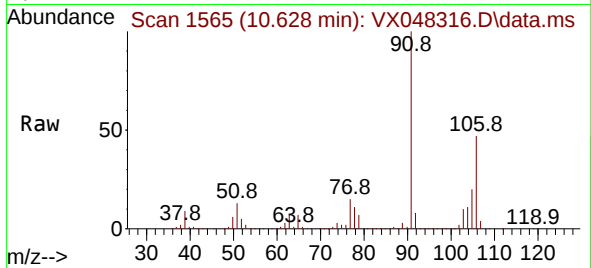
91 220.4 111.3 333.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#70

Styrene

Concen: 82.503 ug/l

RT: 10.634 min Scan# 1566

Delta R.T. -0.006 min

Lab File: VX048316.D

Acq: 23 Oct 2025 11:54

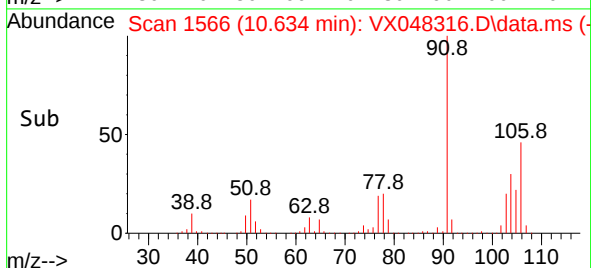
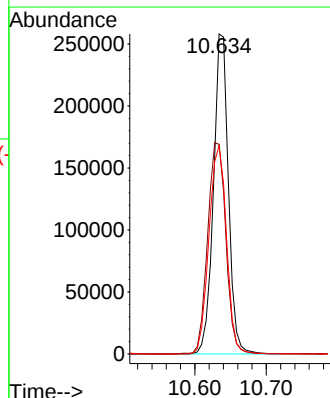
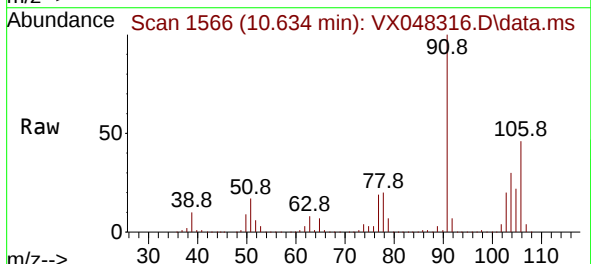
Tgt Ion:104 Resp: 374569

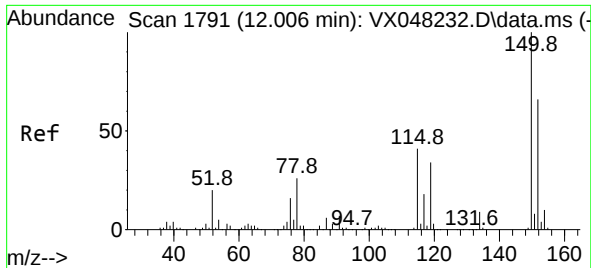
Ion Ratio Lower Upper

104 100

78 80.3 42.2 63.4#

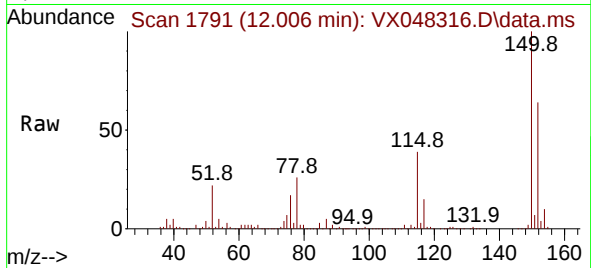
103 76.4 43.0 64.4#





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048316.D
Acq: 23 Oct 2025 11:54

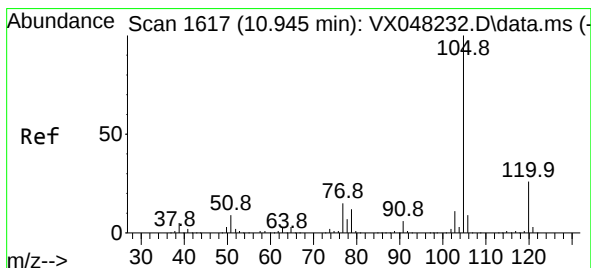
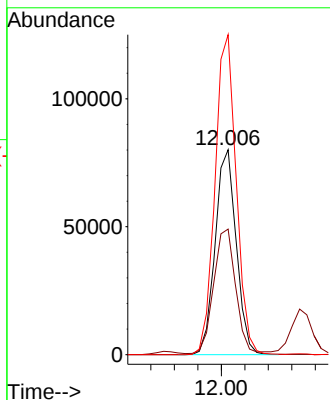
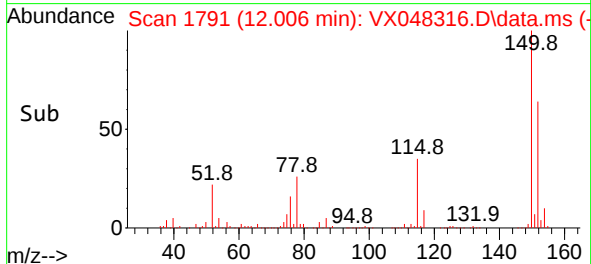
Instrument :
MSVOA_X
ClientSampleId :
SB-1



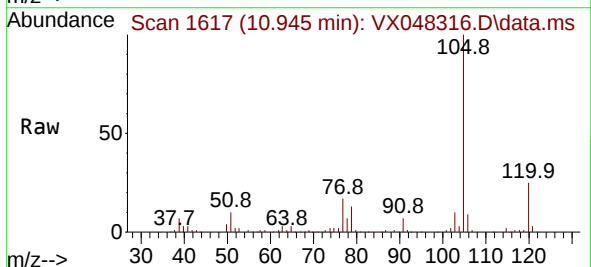
Tgt Ion:152 Resp: 99880
Ion Ratio Lower Upper
152 100
115 63.4 43.1 129.4
150 156.8 0.0 353.0

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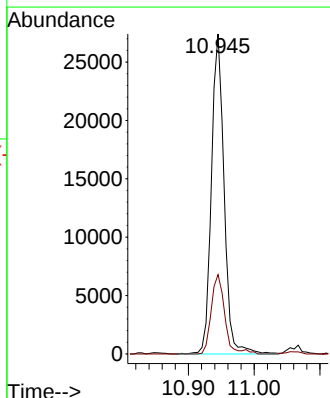
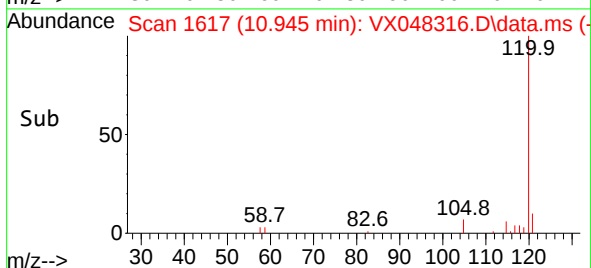
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

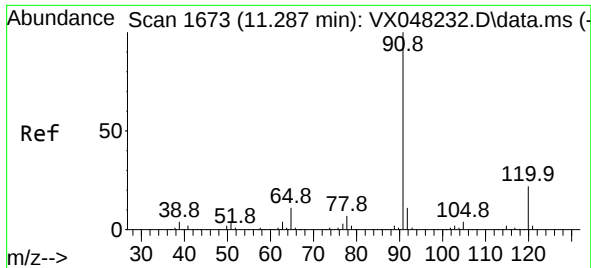


#73
Isopropylbenzene
Concen: 5.038 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX048316.D
Acq: 23 Oct 2025 11:54



Tgt Ion:105 Resp: 36757
Ion Ratio Lower Upper
105 100
120 26.4 13.0 38.9





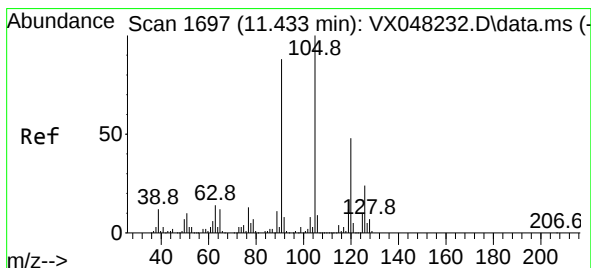
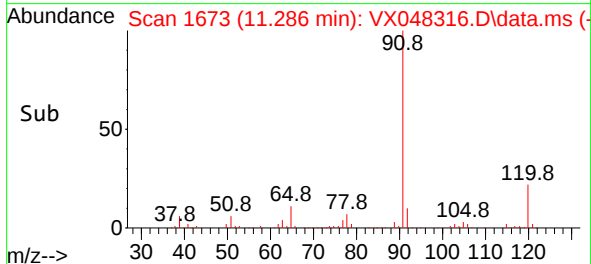
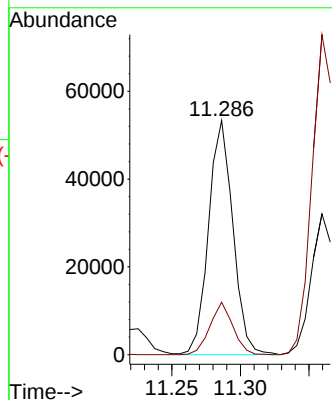
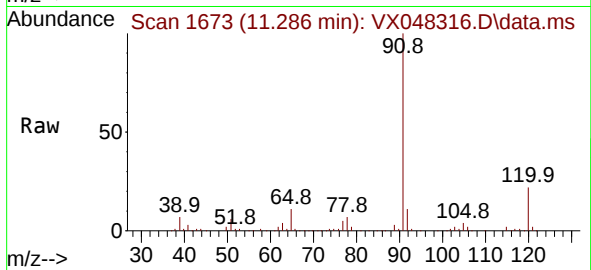
#78
n-propylbenzene
Concen: 7.812 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048316.D
Acq: 23 Oct 2025 11:54

Instrument :
MSVOA_X
ClientSampleId :
SB-1

Tgt Ion: 91 Resp: 65980
Ion Ratio Lower Upper
91 100
120 21.1 11.1 33.1

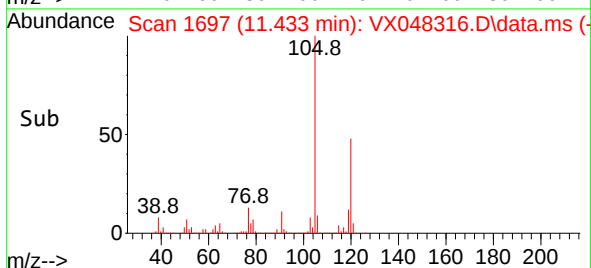
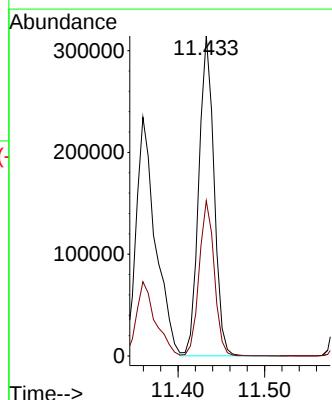
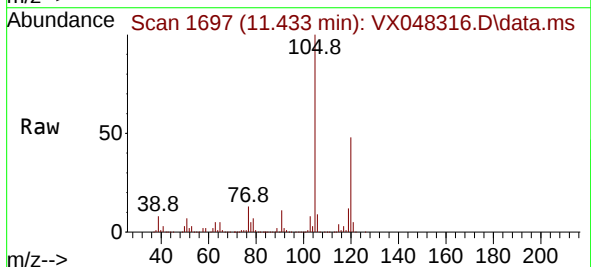
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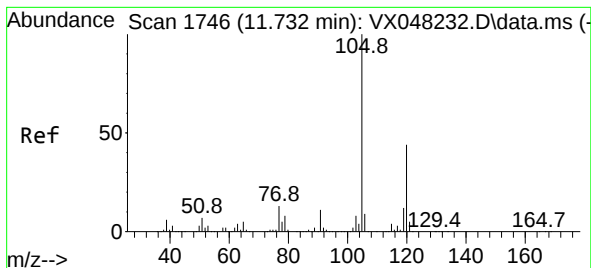
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#80
1,3,5-Trimethylbenzene
Concen: 63.277 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048316.D
Acq: 23 Oct 2025 11:54

Tgt Ion:105 Resp: 382036
Ion Ratio Lower Upper
105 100
120 48.2 24.0 72.0





#84

1,2,4-Trimethylbenzene

Concen: 156.402 ug/l

RT: 11.731 min Scan# 1746

Delta R.T. -0.000 min

Lab File: VX048316.D

Acq: 23 Oct 2025 11:54

Instrument :

MSVOA_X

ClientSampleId :

SB-1

Tgt Ion:105 Resp: 94238

Ion Ratio Lower Upper

105 100

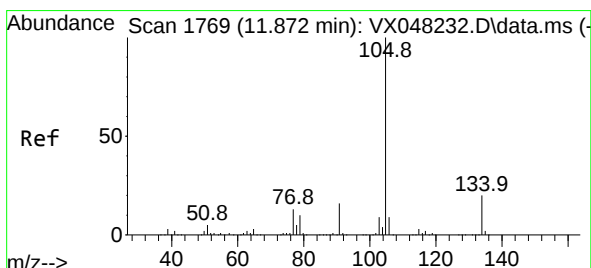
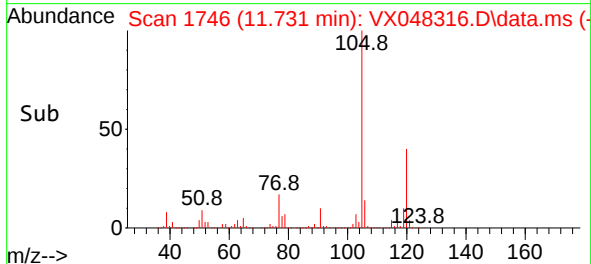
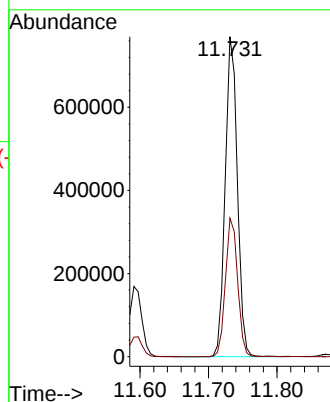
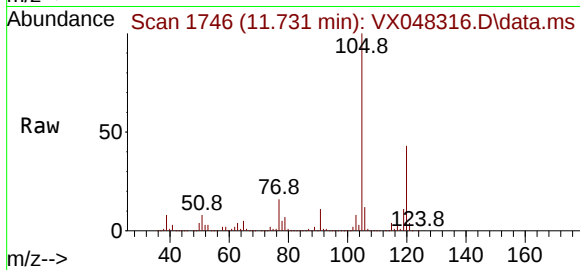
120 43.4 22.1 66.5

Manual Integrations

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Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#85

sec-Butylbenzene

Concen: 1.008 ug/l m

RT: 11.872 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VX048316.D

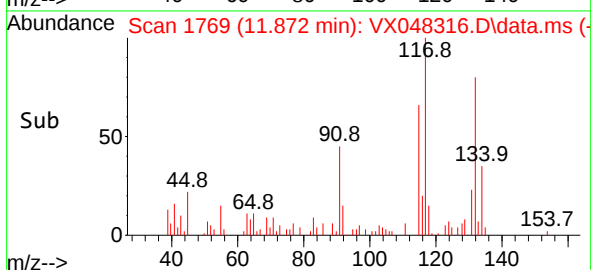
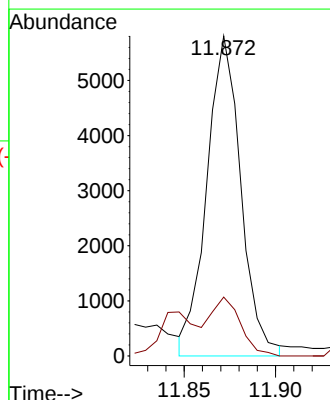
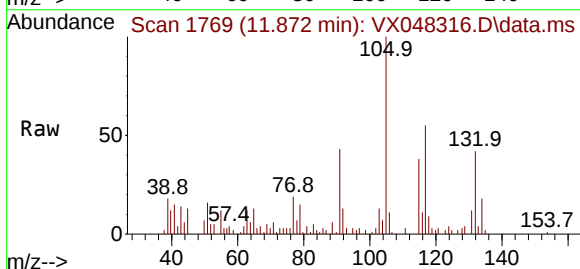
Acq: 23 Oct 2025 11:54

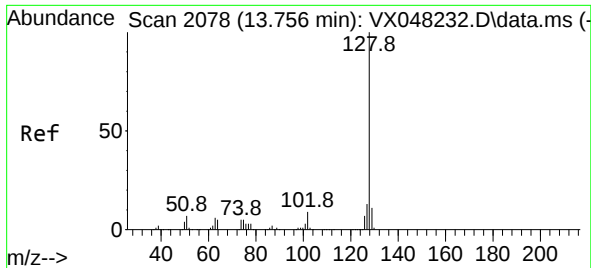
Tgt Ion:105 Resp: 7526

Ion Ratio Lower Upper

105 100

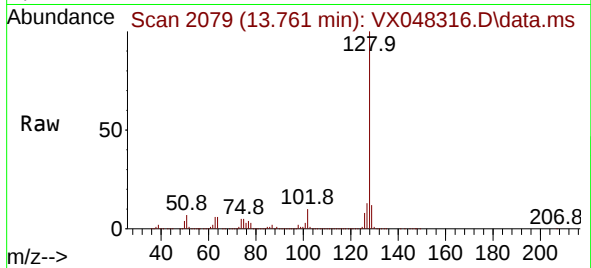
134 0.0 10.1 30.1#





#95
Naphthalene
Concen: 1072.433 ug/l
RT: 13.761 min Scan# 2079
Delta R.T. 0.006 min
Lab File: VX048316.D
Acq: 23 Oct 2025 11:54

Instrument :
MSVOA_X
ClientSampleId :
SB-1



Tgt Ion:128 Resp: 6221340
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 11.6 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

