

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
 Data File : VX048166.D
 Acq On : 14 Oct 2025 15:13
 Operator : JC/MD
 Sample : Q3276-02 100X
 Misc : 7.46g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB2A

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/15/2025
 Supervised By : Mahesh Dadoda 10/16/2025

Quant Time: Oct 15 02:46:44 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	5.544	168	111354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	240688	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	245501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	125319	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	101983	57.537	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.080%			
35) Dibromofluoromethane	5.379	113	83493	51.725	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.440%			
50) Toluene-d8	8.635	98	290070	51.934	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.860%			
62) 4-Bromofluorobenzene	11.067	95	130654	61.636	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 123.280%#			
Target Compounds						
					Qvalue	
31) Cyclohexane	5.489	56	28621	12.220	ug/l #	70
39) Methylcyclohexane	7.366	83	89066	33.265	ug/l	97
67) Ethyl Benzene	10.177	91	101672	10.565	ug/l	99
68) m/p-Xylenes	10.287	106	9466	2.643	ug/l	93
73) Isopropylbenzene	10.945	105	27967	2.935	ug/l	99
78) n-propylbenzene	11.287	91	92695	8.230	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	63371	8.096	ug/l	99
84) 1,2,4-Trimethylbenzene	11.738	105	34172	4.306	ug/l	99
85) sec-Butylbenzene	11.872	105	11773	1.237	ug/l	98
86) p-Isopropyltoluene	11.994	119	9191	1.141	ug/l	91
89) n-Butylbenzene	12.311	91	26812m	3.596	ug/l	
95) Naphthalene	13.756	128	39515	4.809	ug/l #	96

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

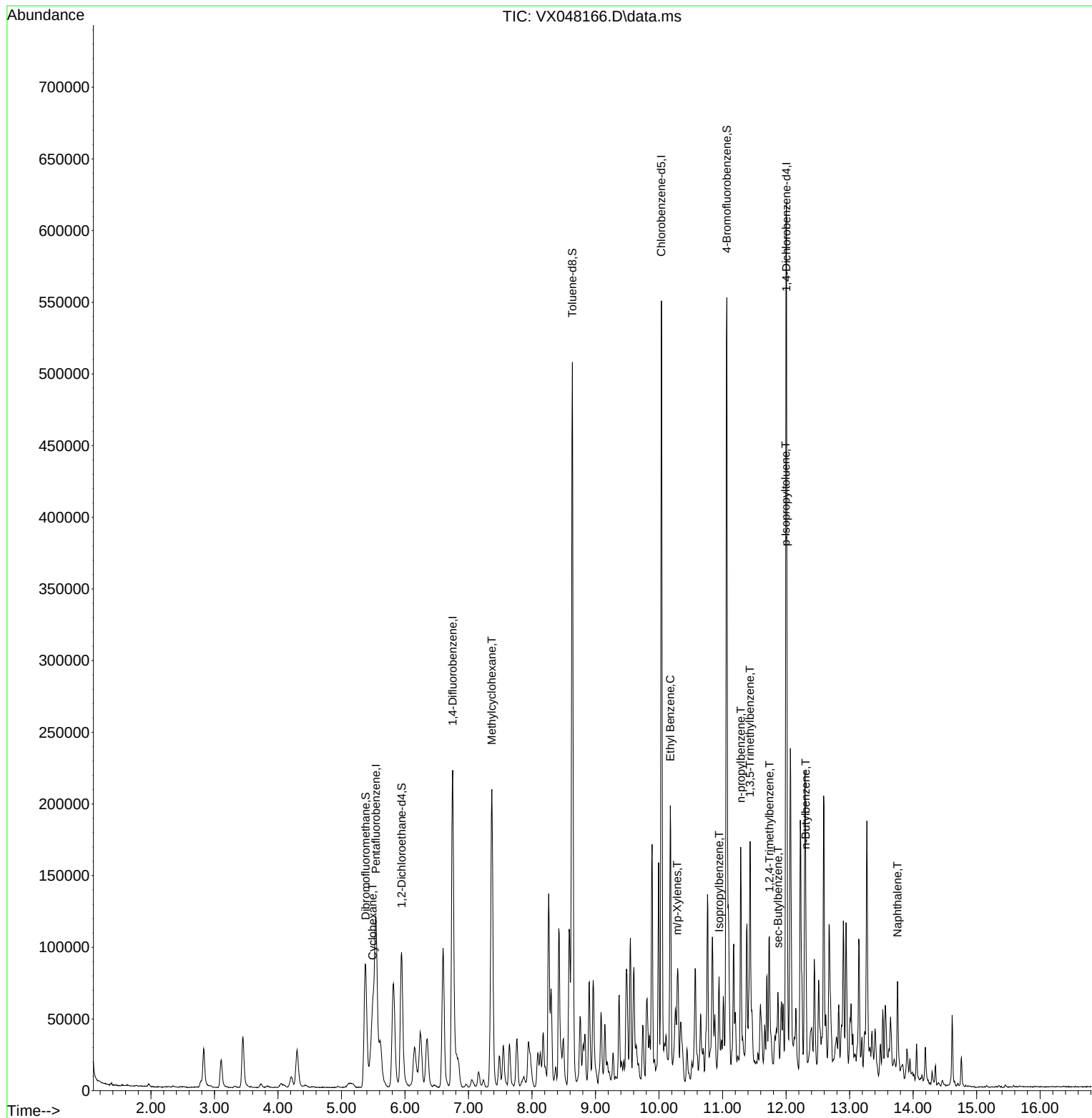
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
Data File : VX048166.D
Acq On : 14 Oct 2025 15:13
Operator : JC/MD
Sample : Q3276-02 100X
Misc : 7.46g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

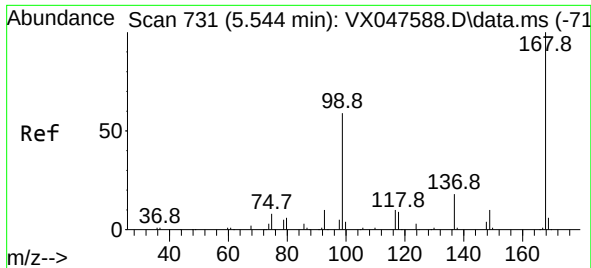
Instrument :
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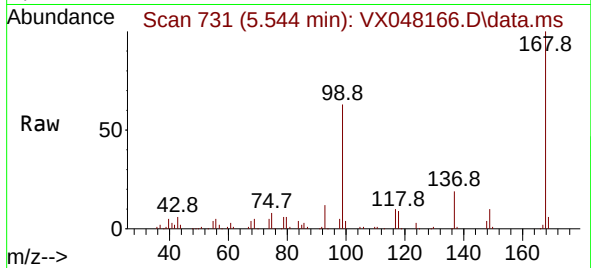
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.000 min
Lab File: VX048166.D
Acq: 14 Oct 2025 15:13

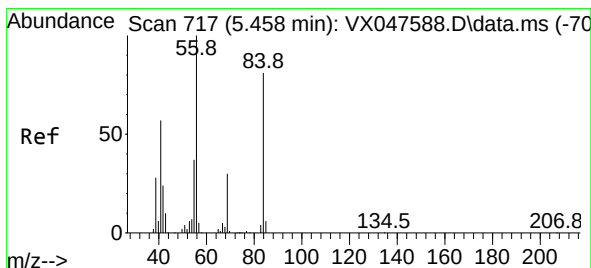
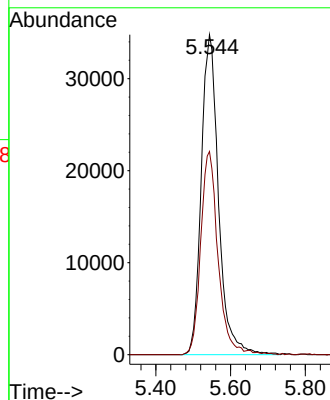
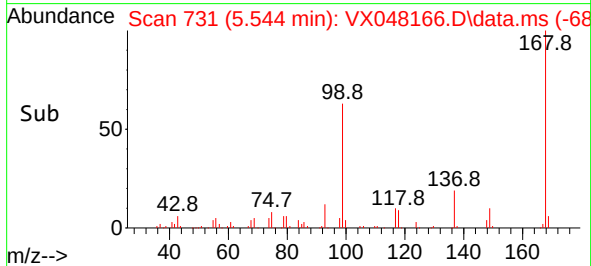
Instrument :
MSVOA_X
ClientSampleId :
SB2A



Tgt Ion:168 Resp: 111354
Ion Ratio Lower Upper
168 100
99 63.5 48.8 73.2

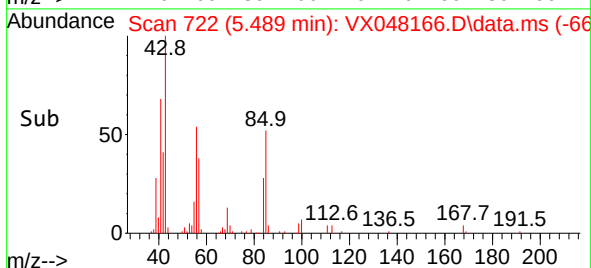
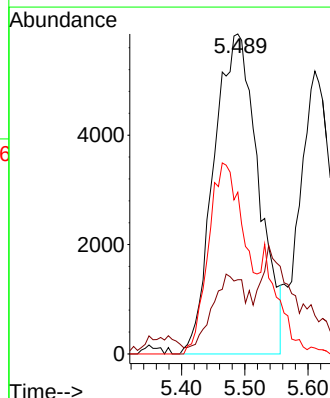
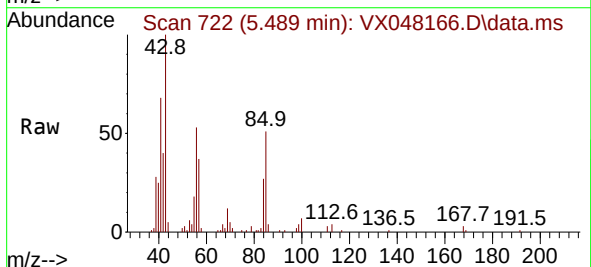
Manual Integrations
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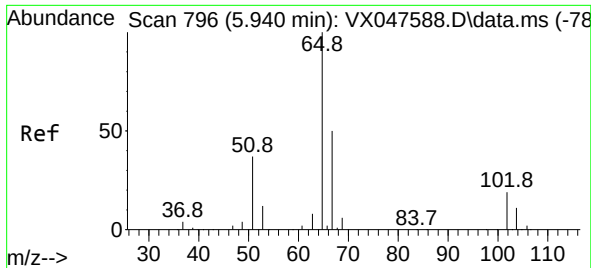
Reviewed By :John Carlone 10/15/2025
Supervised By :Mahesh Dadoda 10/16/2025



#31
Cyclohexane
Concen: 12.220 ug/l
RT: 5.489 min Scan# 722
Delta R.T. 0.030 min
Lab File: VX048166.D
Acq: 14 Oct 2025 15:13

Tgt Ion: 56 Resp: 28621
Ion Ratio Lower Upper
56 100
69 20.1 23.8 35.8#
84 50.6 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 57.537 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048166.D

Acq: 14 Oct 2025 15:13

Instrument :

MSVOA_X

ClientSampleId :

SB2A

Tgt Ion: 65 Resp: 10198

Ion Ratio Lower Upper

65 100

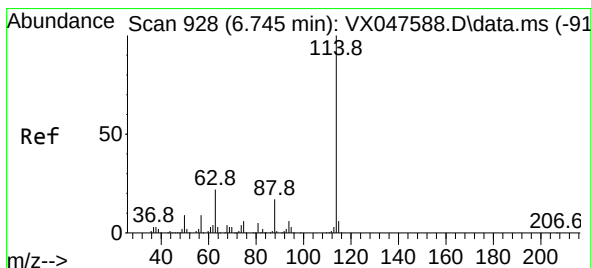
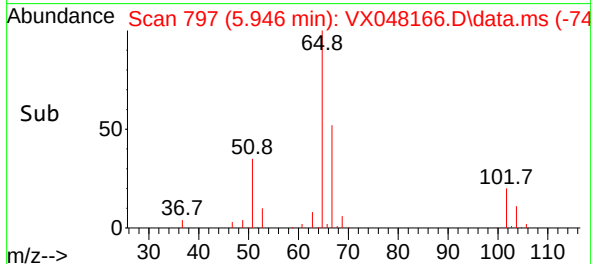
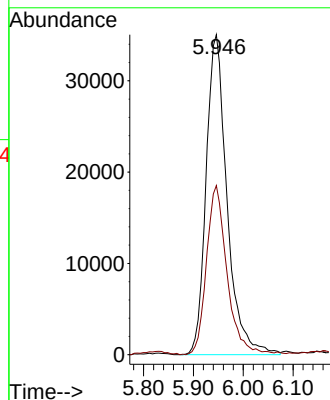
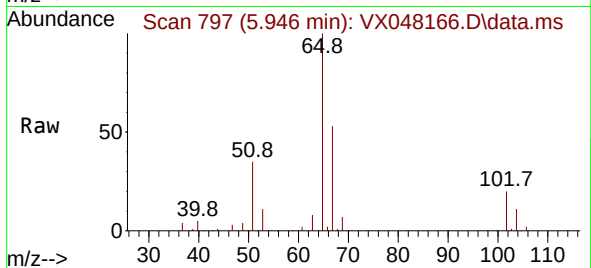
67 51.9 0.0 103.0

Manual Integrations

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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: VX048166.D

Acq: 14 Oct 2025 15:13

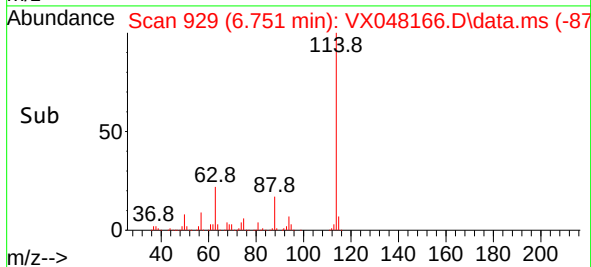
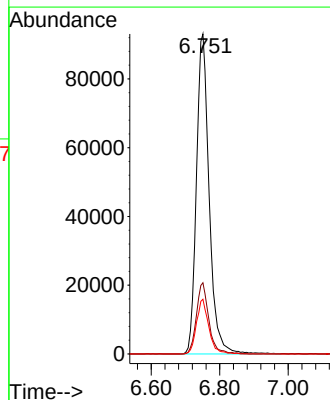
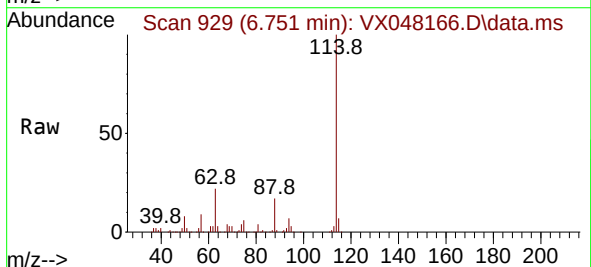
Tgt Ion:114 Resp: 240688

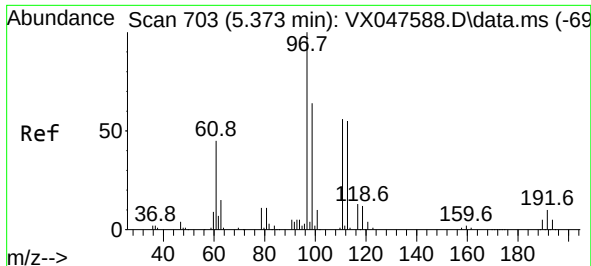
Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.0

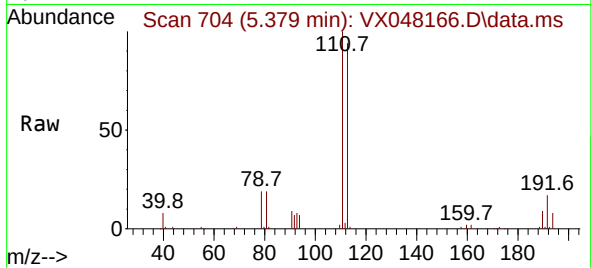
88 17.1 0.0 34.2





#35
Dibromofluoromethane
Concen: 51.725 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX048166.D
Acq: 14 Oct 2025 15:13

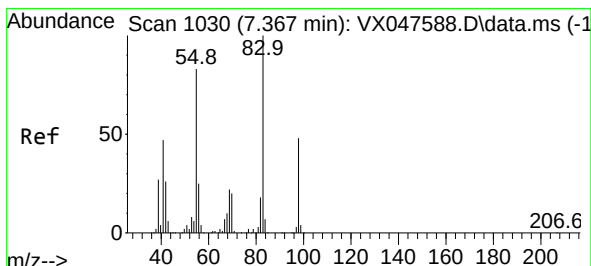
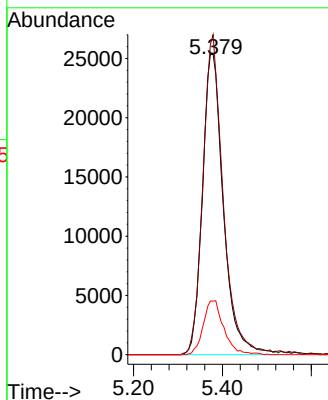
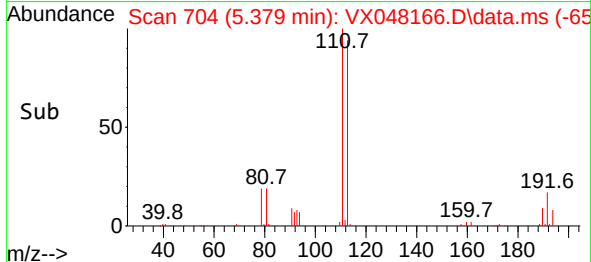
Instrument :
MSVOA_X
ClientSampleId :
SB2A



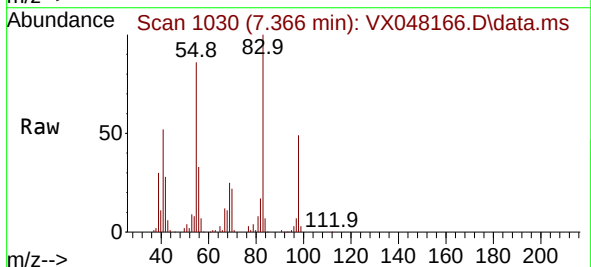
Tgt Ion:113 Resp: 8349
Ion Ratio Lower Upper
113 100
111 102.8 80.9 121.3
192 17.7 14.2 21.4

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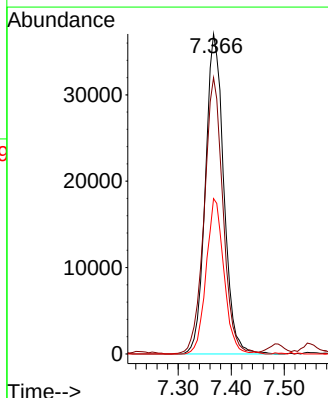
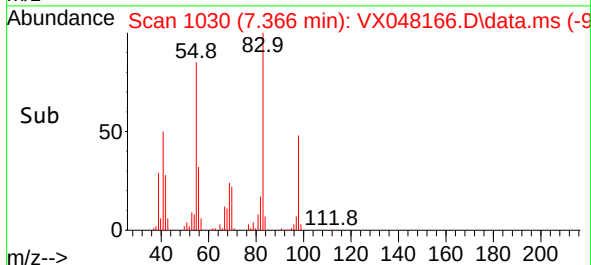
Reviewed By :John Carlone 10/15/2025
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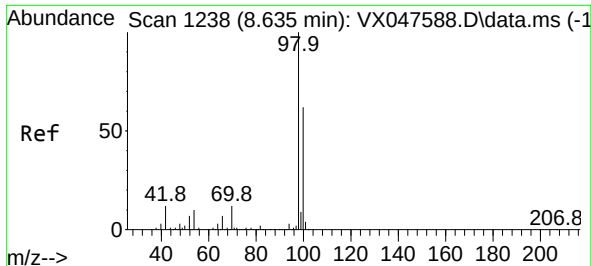


#39
Methylcyclohexane
Concen: 33.265 ug/l
RT: 7.366 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VX048166.D
Acq: 14 Oct 2025 15:13



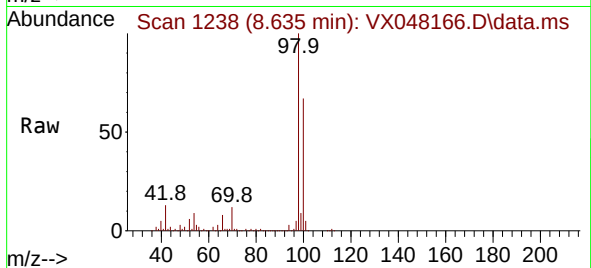
Tgt Ion: 83 Resp: 89066
Ion Ratio Lower Upper
83 100
55 86.1 66.4 99.6
98 48.5 38.1 57.1





#50
Toluene-d8
Concen: 51.934 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048166.D
Acq: 14 Oct 2025 15:13

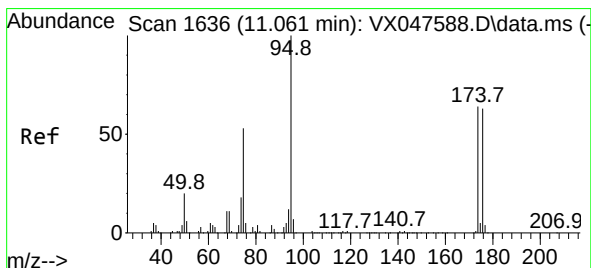
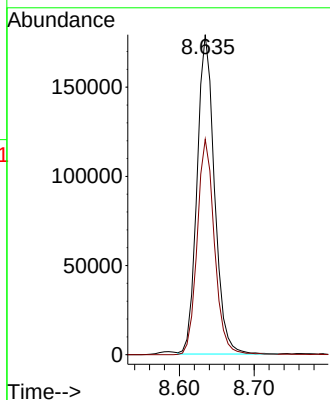
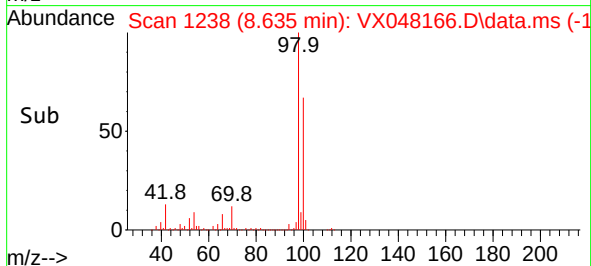
Instrument :
MSVOA_X
ClientSampleId :
SB2A



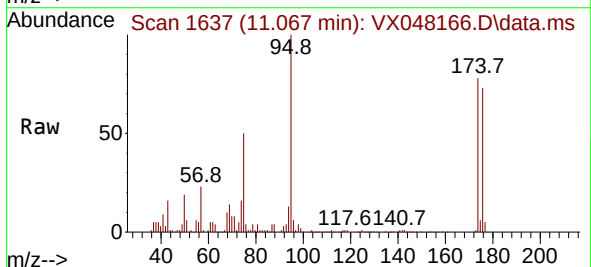
Tgt Ion: 98 Resp: 290070
Ion Ratio Lower Upper
98 100
100 67.1 53.0 79.4

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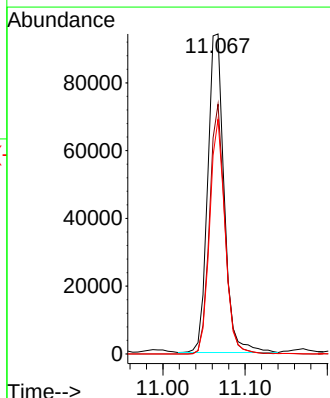
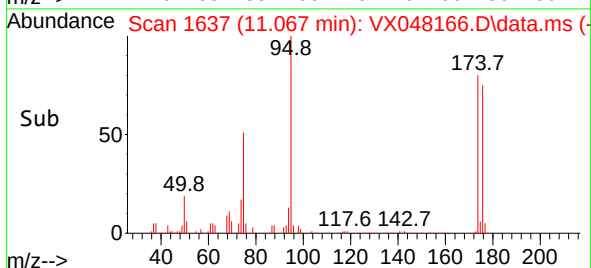
Reviewed By :John Carlone 10/15/2025
Supervised By :Mahesh Dadoda 10/16/2025

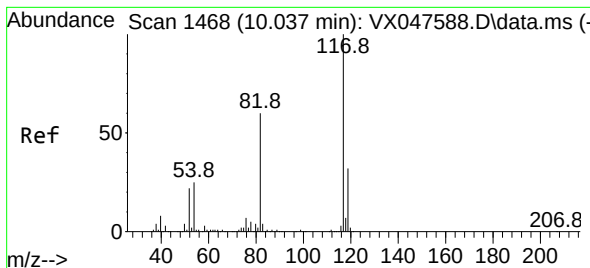


#62
4-Bromofluorobenzene
Concen: 61.636 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048166.D
Acq: 14 Oct 2025 15:13



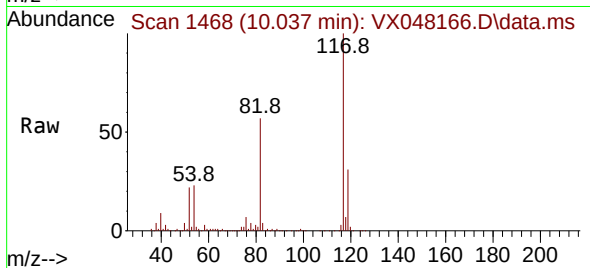
Tgt Ion: 95 Resp: 130654
Ion Ratio Lower Upper
95 100
174 73.3 0.0 141.6
176 69.3 0.0 138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048166.D
Acq: 14 Oct 2025 15:13

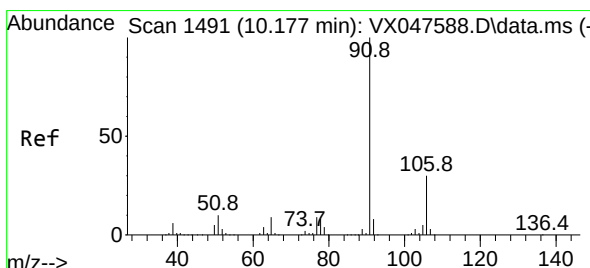
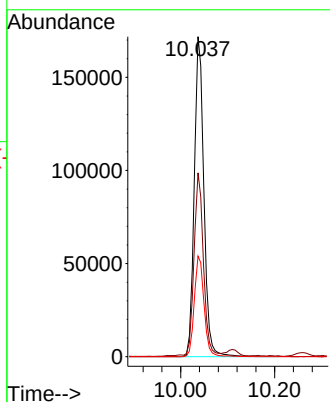
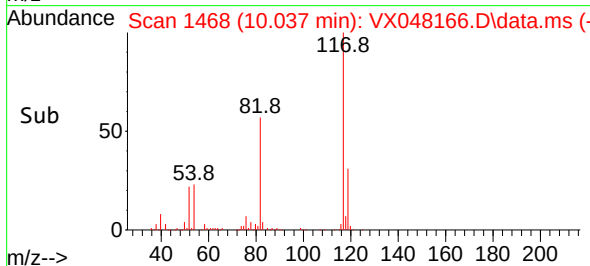
Instrument :
MSVOA_X
ClientSampleId :
SB2A



Tgt Ion:117 Resp: 24550
Ion Ratio Lower Upper
117 100
82 57.1 47.8 71.6
119 31.5 25.2 37.8

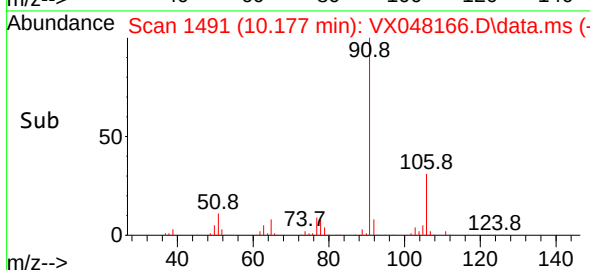
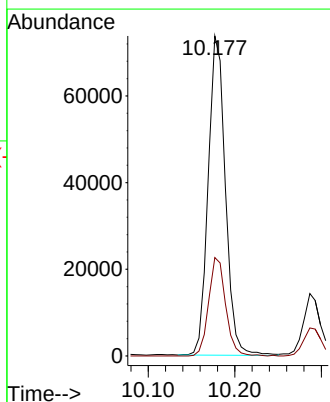
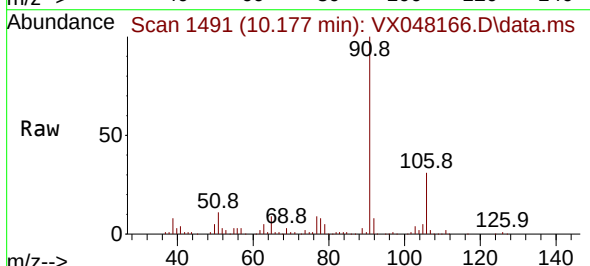
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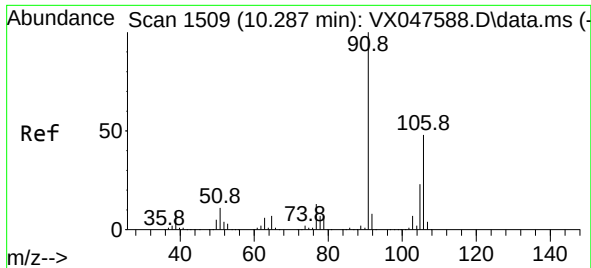
Reviewed By :John Carlone 10/15/2025
Supervised By :Mahesh Dadoda 10/16/2025



#67
Ethyl Benzene
Concen: 10.565 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX048166.D
Acq: 14 Oct 2025 15:13

Tgt Ion: 91 Resp: 101672
Ion Ratio Lower Upper
91 100
106 30.9 24.3 36.5





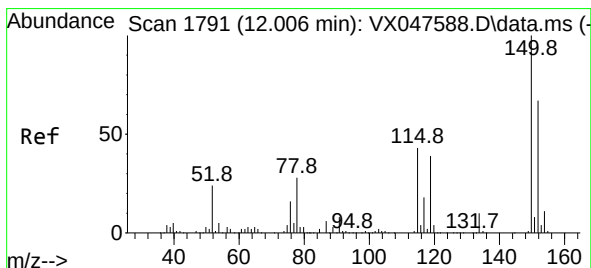
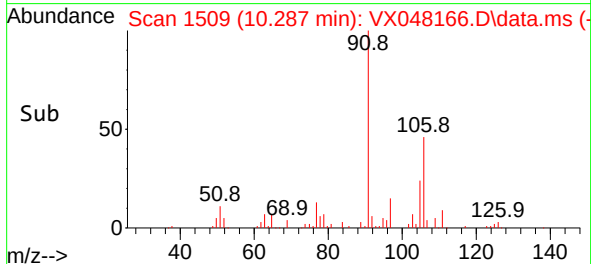
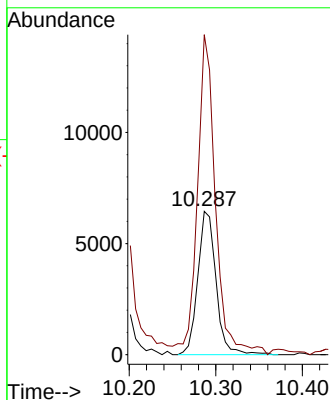
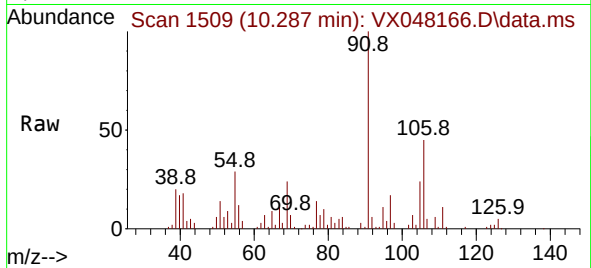
#68
m/p-Xylenes
Concen: 2.643 ug/l
RT: 10.287 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048166.D
Acq: 14 Oct 2025 15:13

Instrument :
MSVOA_X
ClientSampleId :
SB2A

Tgt Ion:106 Resp: 946
Ion Ratio Lower Upper
106 100
91 220.5 167.8 251.8

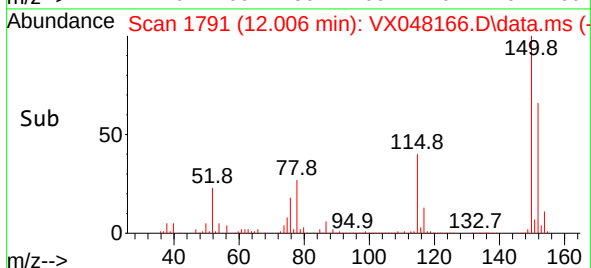
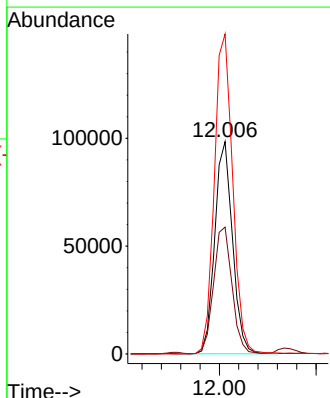
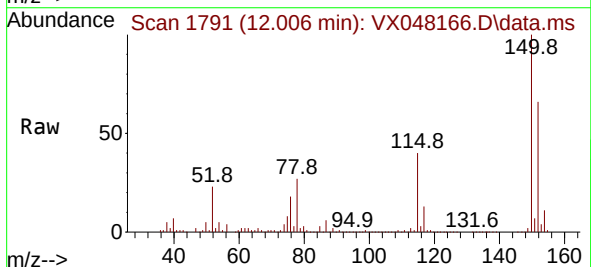
Manual Integrations
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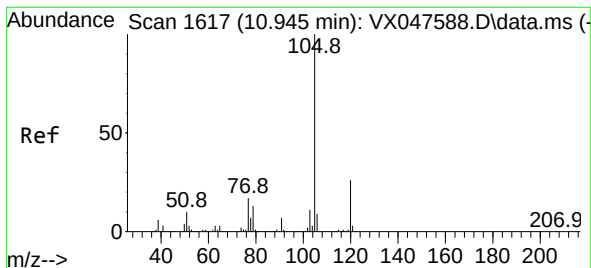
Reviewed By :John Carlone 10/15/2025
Supervised By :Mahesh Dadoda 10/16/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048166.D
Acq: 14 Oct 2025 15:13

Tgt Ion:152 Resp: 125319
Ion Ratio Lower Upper
152 100
115 61.8 44.9 134.5
150 156.2 0.0 352.0





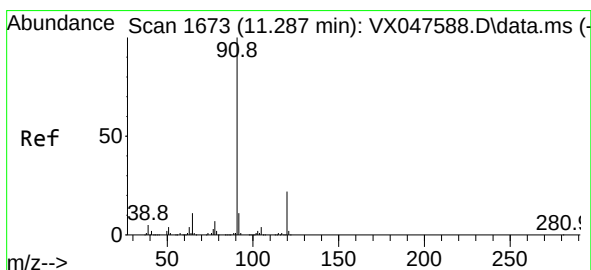
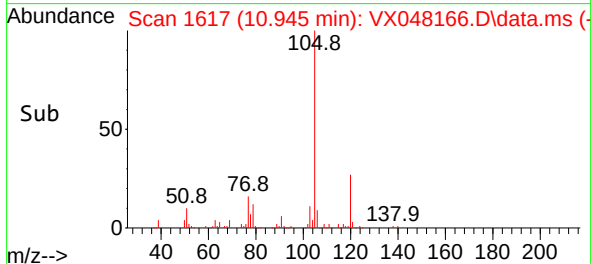
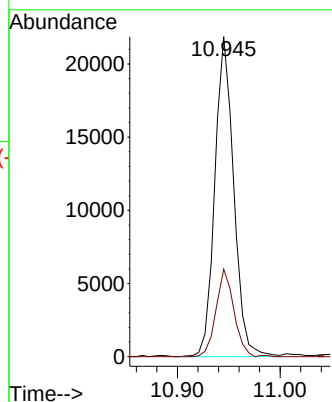
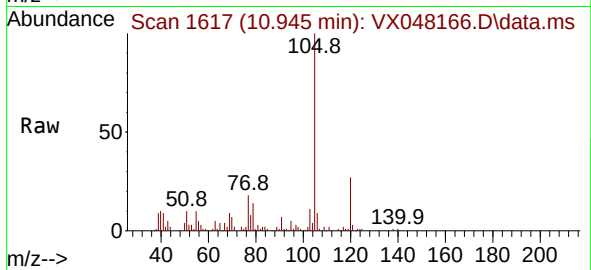
#73
Isopropylbenzene
Concen: 2.935 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX048166.D
Acq: 14 Oct 2025 15:13

Instrument :
MSVOA_X
ClientSampleId :
SB2A

Tgt Ion:105 Resp: 2796
Ion Ratio Lower Upper
105 100
120 25.9 12.8 38.4

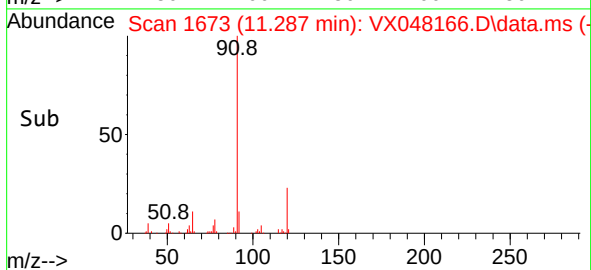
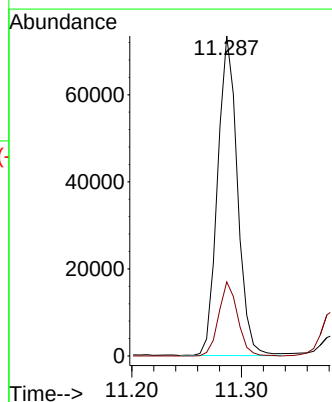
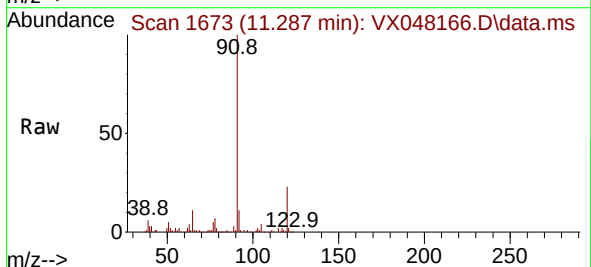
Manual Integrations
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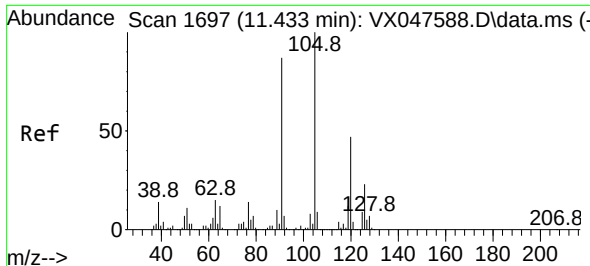
Reviewed By :John Carlone 10/15/2025
Supervised By :Mahesh Dadoda 10/16/2025



#78
n-propylbenzene
Concen: 8.230 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048166.D
Acq: 14 Oct 2025 15:13

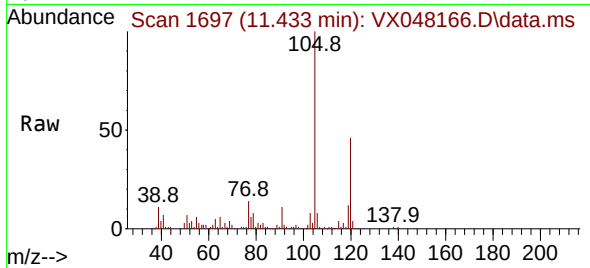
Tgt Ion: 91 Resp: 92695
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.1





#80
1,3,5-Trimethylbenzene
Concen: 8.096 ug/l
RT: 11.433 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VX048166.D
Acq: 14 Oct 2025 15:13

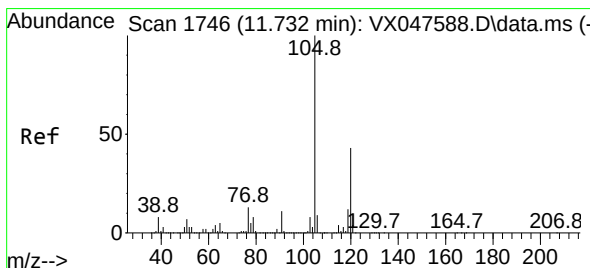
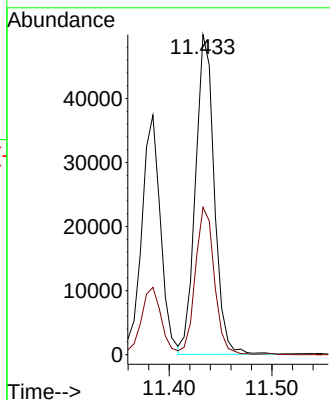
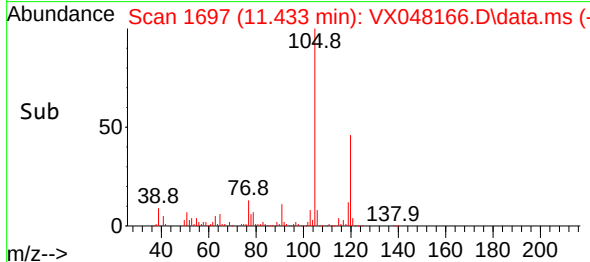
Instrument :
MSVOA_X
ClientSampleId :
SB2A



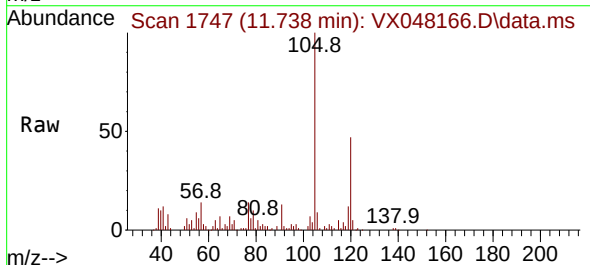
Tgt Ion:105 Resp: 63372
Ion Ratio Lower Upper
105 100
120 46.3 23.6 70.8

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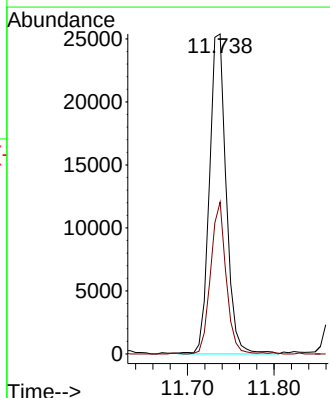
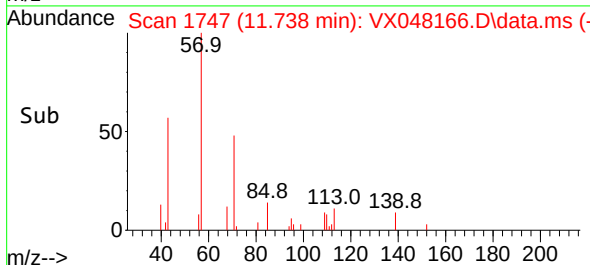
Reviewed By :John Carlone 10/15/2025
Supervised By :Mahesh Dadoda 10/16/2025

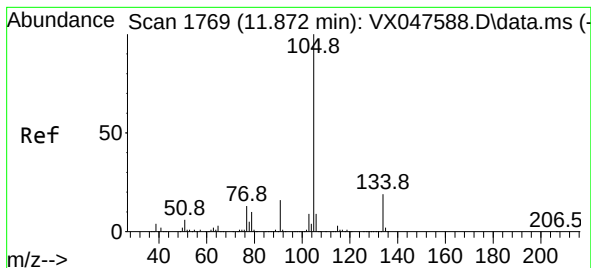


#84
1,2,4-Trimethylbenzene
Concen: 4.306 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX048166.D
Acq: 14 Oct 2025 15:13



Tgt Ion:105 Resp: 34172
Ion Ratio Lower Upper
105 100
120 43.7 22.1 66.1





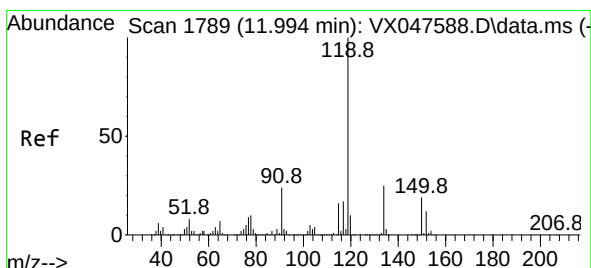
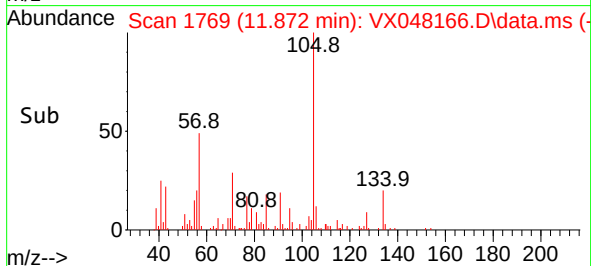
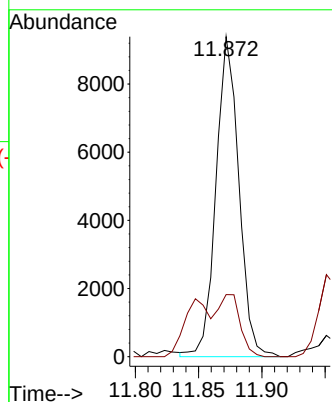
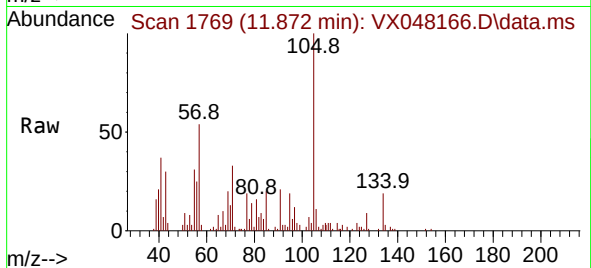
#85
 sec-Butylbenzene
 Concen: 1.237 ug/l
 RT: 11.872 min Scan# 1769
 Delta R.T. -0.000 min
 Lab File: VX048166.D
 Acq: 14 Oct 2025 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 SB2A

Tgt Ion:105 Resp: 1177
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.8 29.5

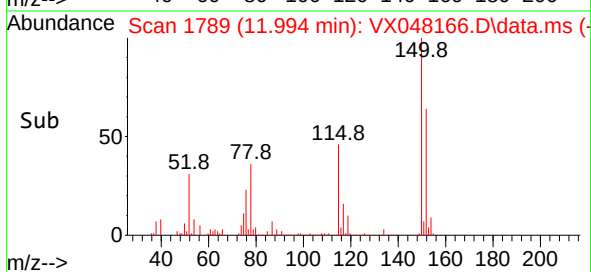
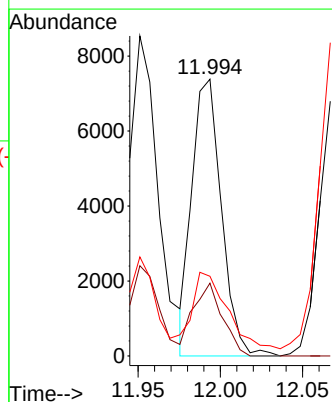
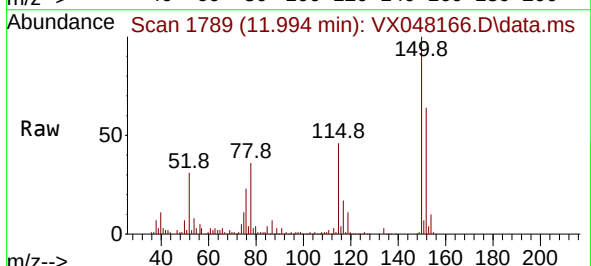
Manual Integrations
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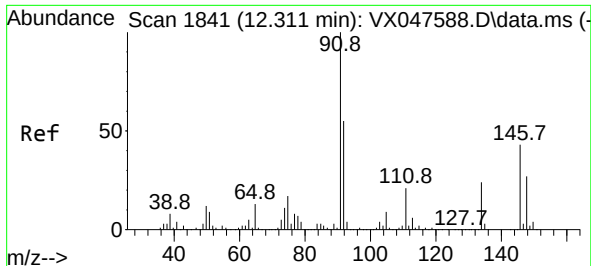
Reviewed By :John Carlone 10/15/2025
 Supervised By :Mahesh Dadoda 10/16/2025



#86
 p-Isopropyltoluene
 Concen: 1.141 ug/l
 RT: 11.994 min Scan# 1789
 Delta R.T. -0.000 min
 Lab File: VX048166.D
 Acq: 14 Oct 2025 15:13

Tgt Ion:119 Resp: 9191
 Ion Ratio Lower Upper
 119 100
 134 26.2 12.6 37.8
 91 32.9 12.6 37.6





#89

n-Butylbenzene

Concen: 3.596 ug/l m

RT: 12.311 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VX048166.D

Acq: 14 Oct 2025 15:13

Instrument :

MSVOA_X

ClientSampleId :

SB2A

Tgt Ion: 91 Resp: 2681

Ion Ratio Lower Upper

91 100

92 50.5 27.6 82.7

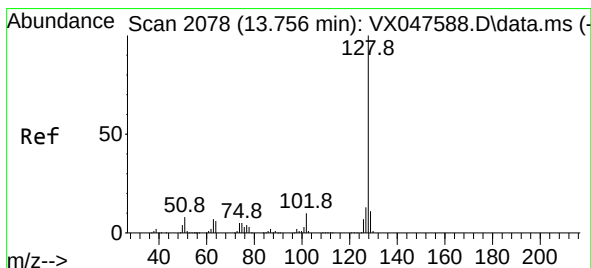
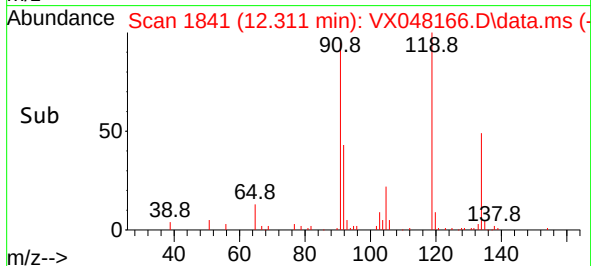
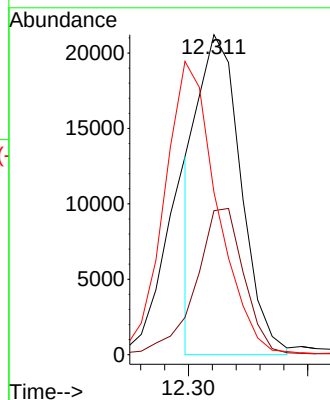
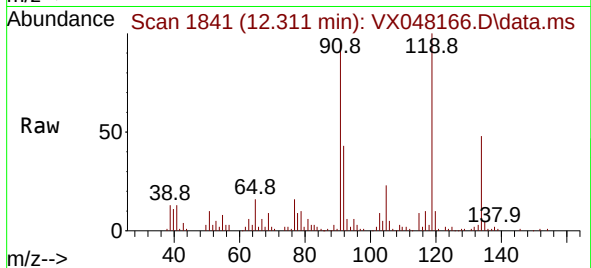
134 110.8 12.6 37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/15/2025

Supervised By :Mahesh Dadoda 10/16/2025



#95

Naphthalene

Concen: 4.809 ug/l

RT: 13.756 min Scan# 2078

Delta R.T. -0.000 min

Lab File: VX048166.D

Acq: 14 Oct 2025 15:13

Tgt Ion:128 Resp: 39515

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

129 13.6 8.8 13.2#

