

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073125\
 Data File : VX047195.D
 Acq On : 31 Jul 2025 11:56
 Operator : JC/MD
 Sample : PB169061TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB169061TB

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/01/2025
 Supervised By : Mahesh Dadoda 08/01/2025

Quant Time: Aug 01 01:48:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

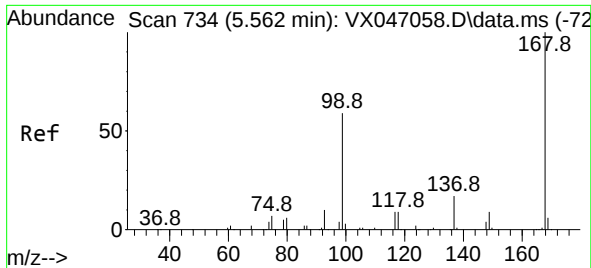
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.568	168	20664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	34995	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	34220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	17086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	1430	5.555	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.120%#		
35) Dibromofluoromethane	5.410	113	710	3.286	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	6.580%#		
50) Toluene-d8	8.653	98	2721	3.889	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	7.780%#		
62) 4-Bromofluorobenzene	11.085	95	1860	6.168	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	12.340%#		
Target Compounds						Qvalue
10) Methyl Iodide	2.483	142	3220	12.050	ug/l	95
16) Acetone	2.386	43	53536	519.171	ug/l	97
17) Carbon Disulfide	2.532	76	3014	4.012	ug/l #	62
18) Methyl Acetate	2.715	43	29679	108.304	ug/l	96
20) Methylene Chloride	2.806	84	16083	56.692	ug/l	96
25) 2-Butanone	4.599	43	10436m	69.504	ug/l	
37) Ethyl Acetate	4.739	43	18709m	55.127	ug/l	
43) Isopropyl Acetate	6.348	43	12921	24.421	ug/l #	91
84) 1,2,4-Trimethylbenzene	11.750	105	1510	1.359	ug/l	77
85) sec-Butylbenzene	11.890	105	1782	1.276	ug/l	89
87) 1,3-Dichlorobenzene	11.969	146	676	1.100	ug/l	94
89) n-Butylbenzene	12.335	91	2186	2.013	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	1308	3.372	ug/l	85
94) Hexachlorobutadiene	13.719	225	1645	12.469	ug/l	94
95) Naphthalene	13.780	128	3227	2.838	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.963	180	1128	3.018	ug/l	87

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

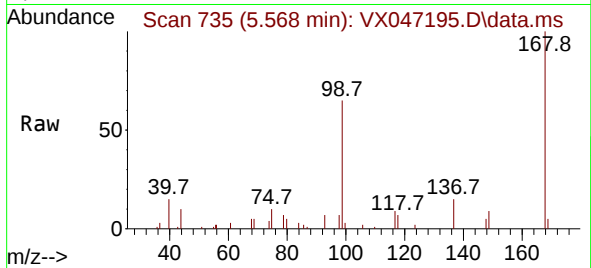
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Supervised By :Mahesh Dadoda 08/01/2025

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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047195.D
Acq: 31 Jul 2025 11:56

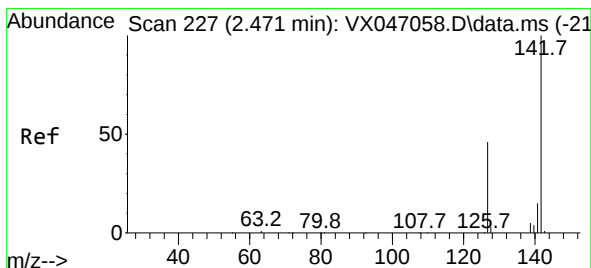
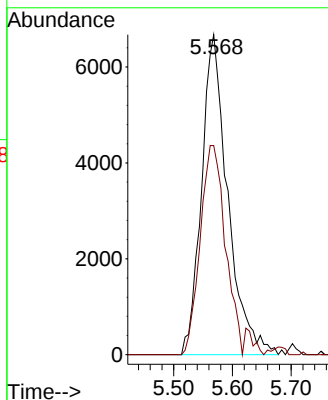
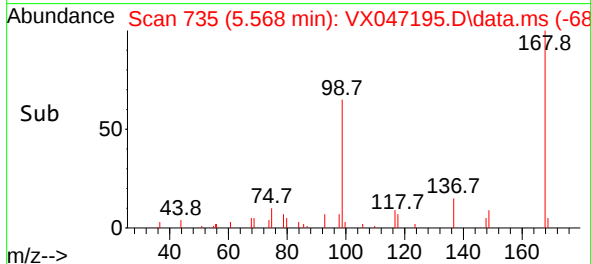
Instrument :
MSVOA_X
ClientSampleId :
PB169061TB



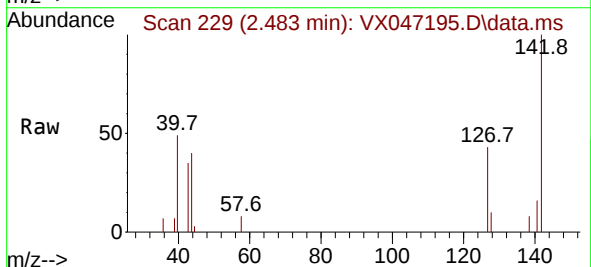
Tgt Ion:168 Resp: 2066
Ion Ratio Lower Upper
168 100
99 65.3 48.0 72.0

Manual Integrations
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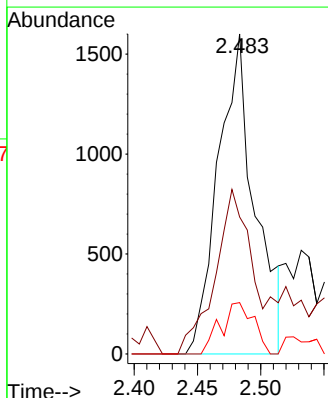
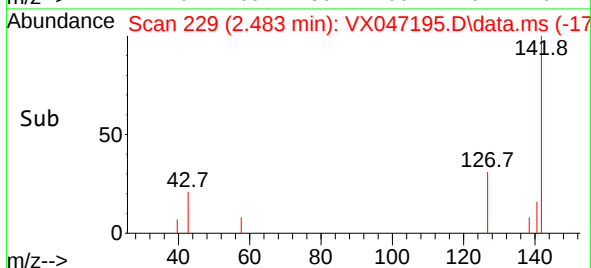
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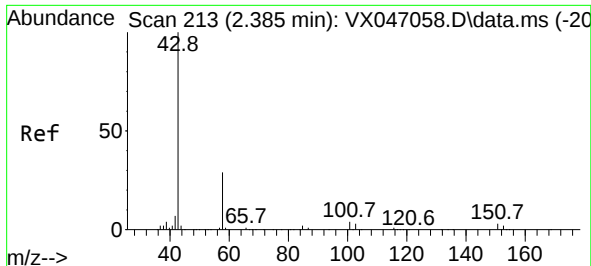


#10
Methyl Iodide
Concen: 12.050 ug/l
RT: 2.483 min Scan# 229
Delta R.T. 0.013 min
Lab File: VX047195.D
Acq: 31 Jul 2025 11:56



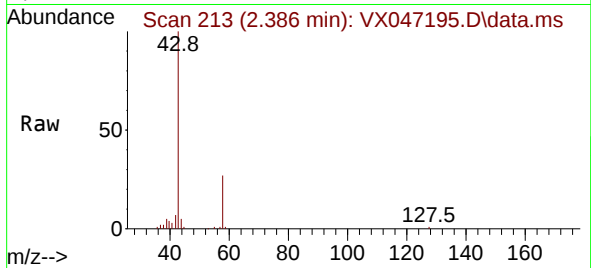
Tgt Ion:142 Resp: 3220
Ion Ratio Lower Upper
142 100
127 49.9 36.6 54.8
141 14.4 10.9 16.3





#16
Acetone
Concen: 519.171 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047195.D
Acq: 31 Jul 2025 11:56

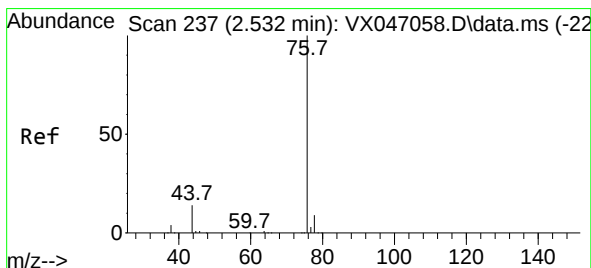
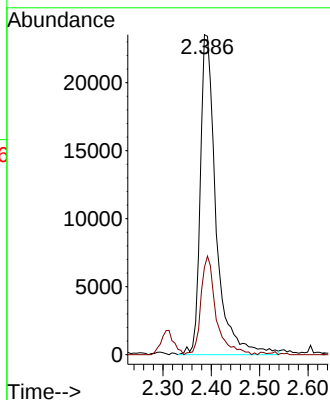
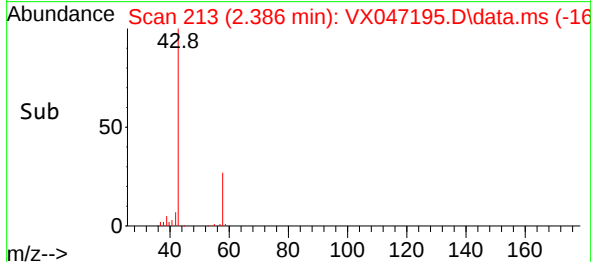
Instrument :
MSVOA_X
ClientSampleId :
PB169061TB



Tgt Ion: 43 Resp: 53530
Ion Ratio Lower Upper
43 100
58 28.6 24.0 36.0

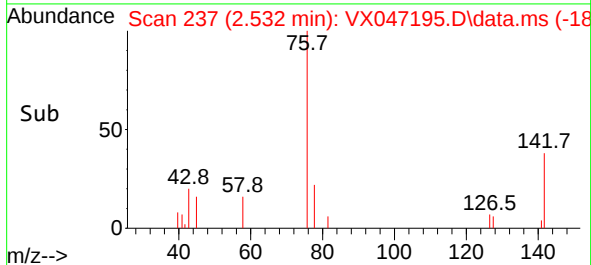
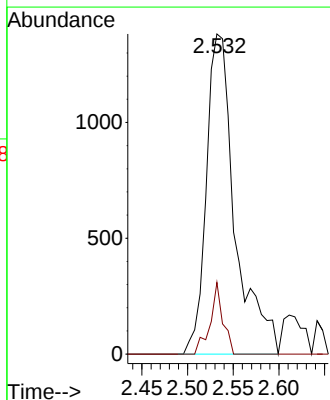
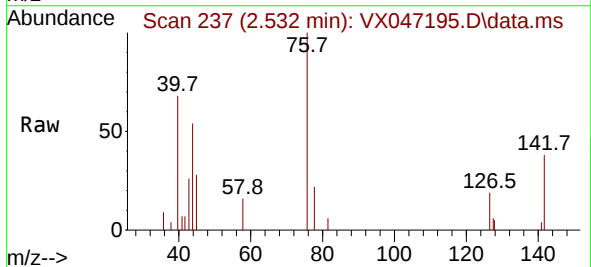
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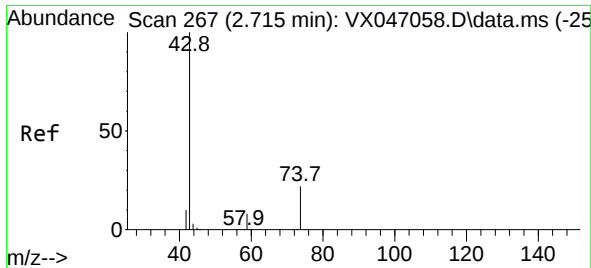
Reviewed By :John Carlone 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025



#17
Carbon Disulfide
Concen: 4.012 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047195.D
Acq: 31 Jul 2025 11:56

Tgt Ion: 76 Resp: 3014
Ion Ratio Lower Upper
76 100
78 22.4 7.0 10.4#





#18
Methyl Acetate
Concen: 108.304 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX047195.D
Acq: 31 Jul 2025 11:56

Instrument :

MSVOA_X

ClientSampleId :

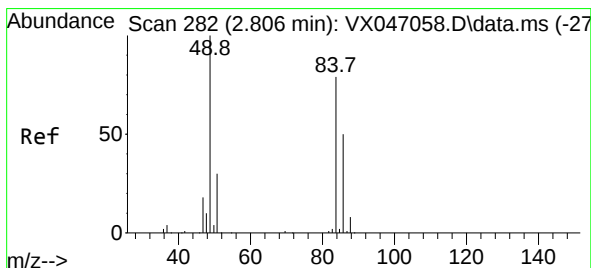
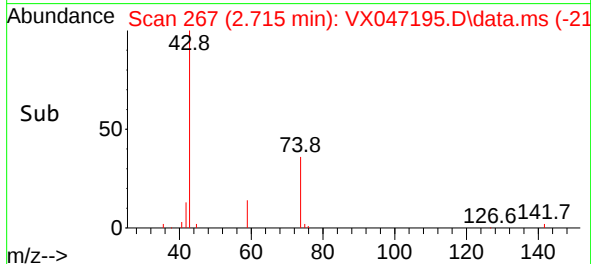
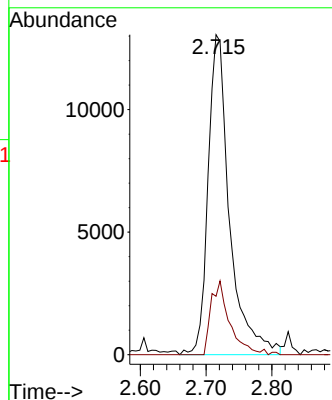
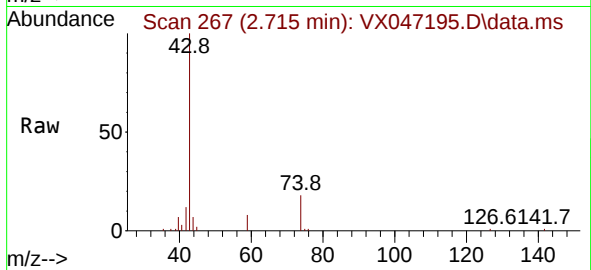
PB169061TB

Tgt Ion: 43 Resp: 29679
Ion Ratio Lower Upper
43 100
74 20.3 17.7 26.5

Manual Integrations

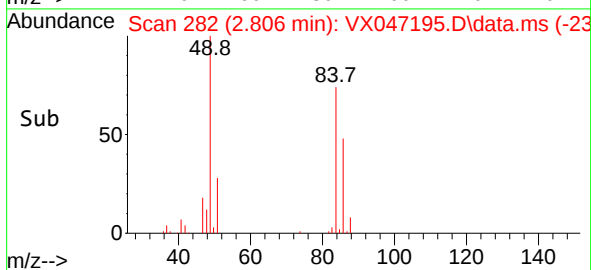
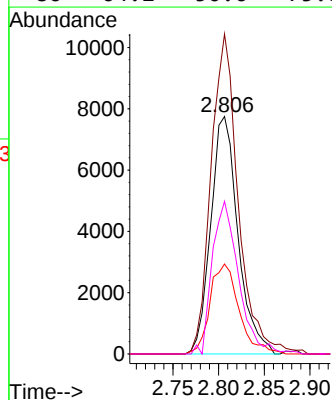
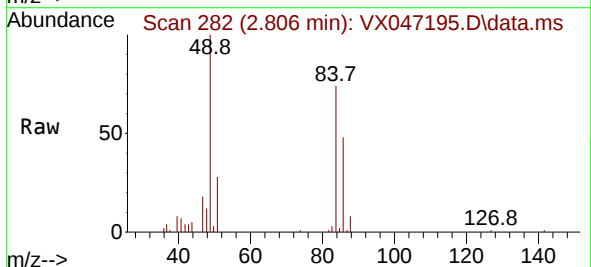
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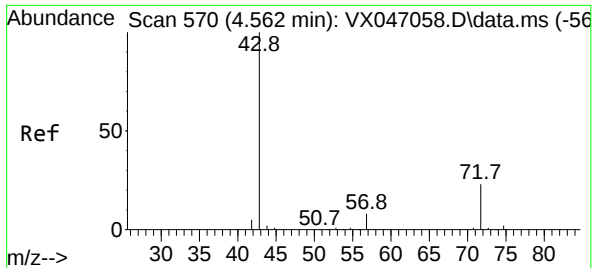
Reviewed By :John Carlone 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025



#20
Methylene Chloride
Concen: 56.692 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047195.D
Acq: 31 Jul 2025 11:56

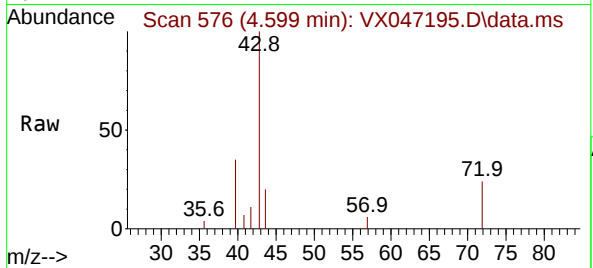
Tgt Ion: 84 Resp: 16083
Ion Ratio Lower Upper
84 100
49 134.7 101.6 152.4
51 37.9 30.3 45.5
86 64.2 50.6 75.8





#25
2-Butanone
Concen: 69.504 ug/l m
RT: 4.599 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX047195.D
Acq: 31 Jul 2025 11:56

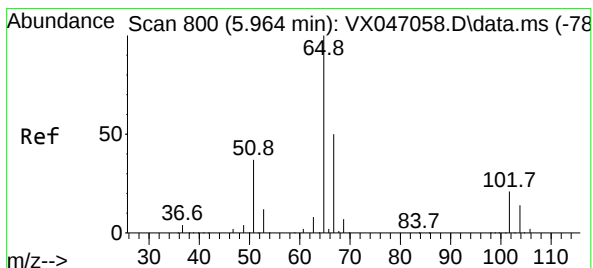
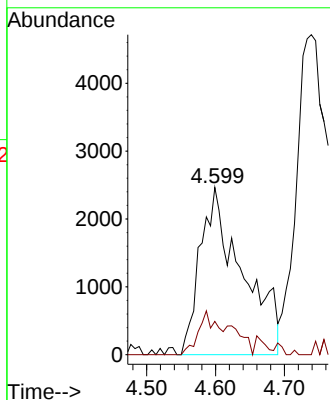
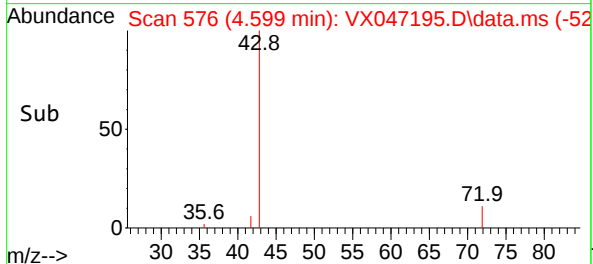
Instrument :
MSVOA_X
ClientSampleId :
PB169061TB



Tgt Ion: 43 Resp: 10430
Ion Ratio Lower Upper
43 100
72 23.9 18.8 28.2

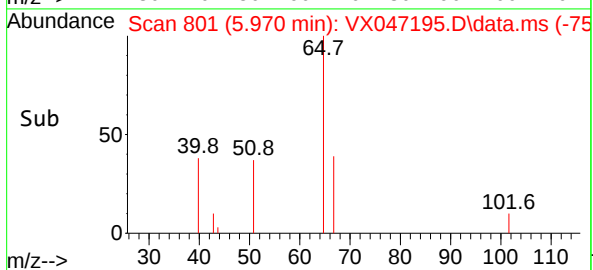
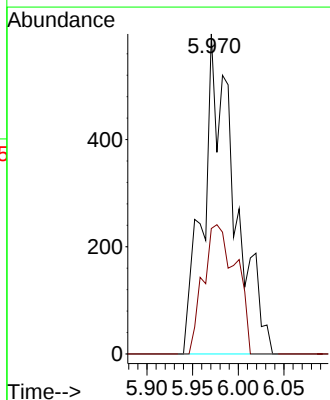
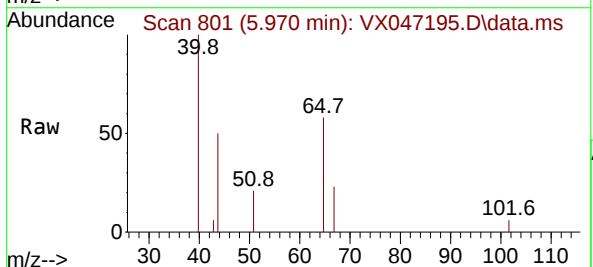
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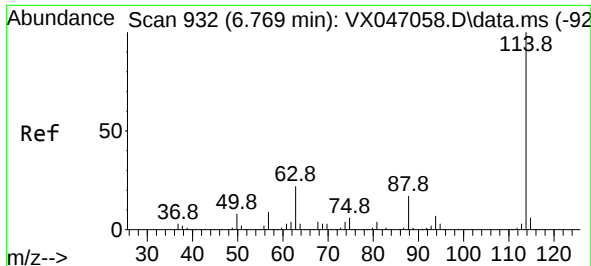
Reviewed By :John Carlone 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025



#33
1,2-Dichloroethane-d4
Concen: 5.555 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047195.D
Acq: 31 Jul 2025 11:56

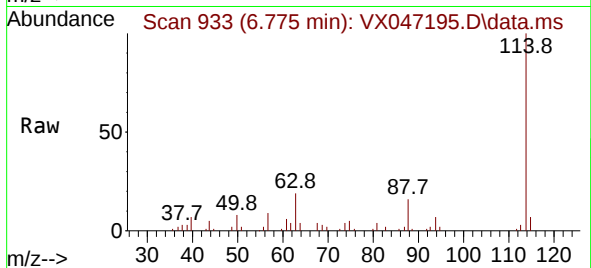
Tgt Ion: 65 Resp: 1430
Ion Ratio Lower Upper
65 100
67 42.0 0.0 104.8





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX047195.D
Acq: 31 Jul 2025 11:56

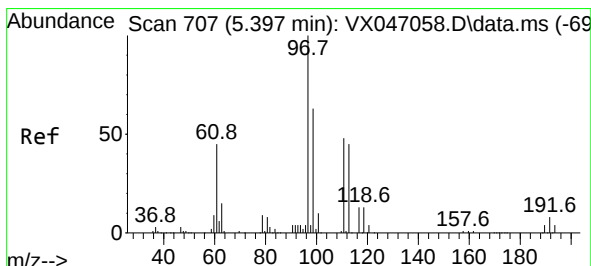
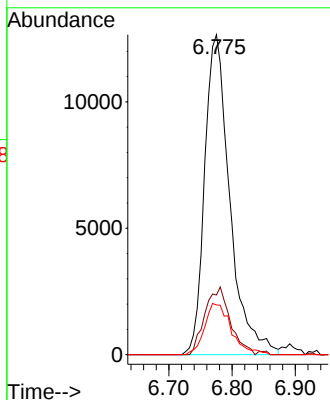
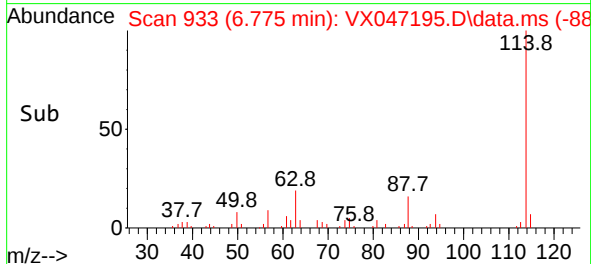
Instrument :
MSVOA_X
ClientSampleId :
PB169061TB



Tgt Ion:114 Resp: 3499
Ion Ratio Lower Upper
114 100
63 18.6 0.0 43.2
88 16.3 0.0 33.8

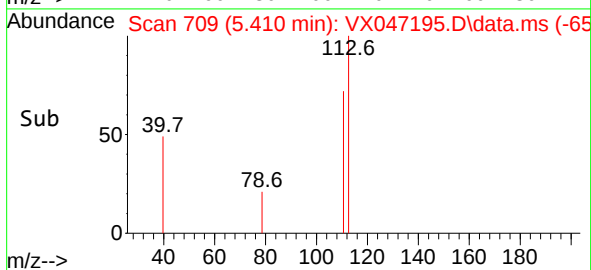
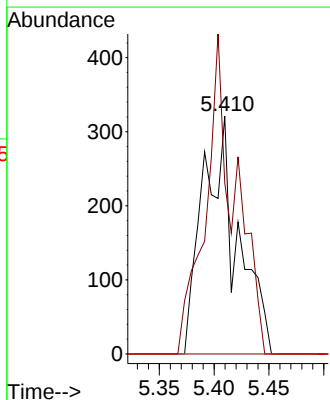
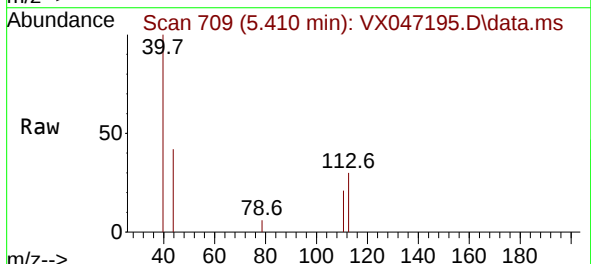
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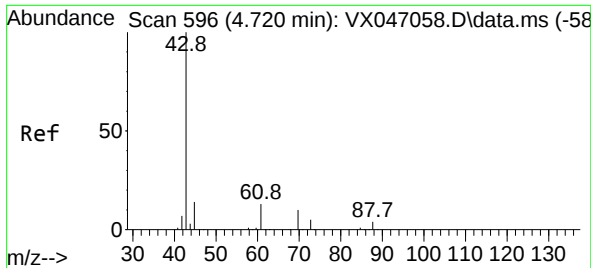
Reviewed By :John Carlone 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025



#35
Dibromofluoromethane
Concen: 3.286 ug/l
RT: 5.410 min Scan# 709
Delta R.T. 0.013 min
Lab File: VX047195.D
Acq: 31 Jul 2025 11:56

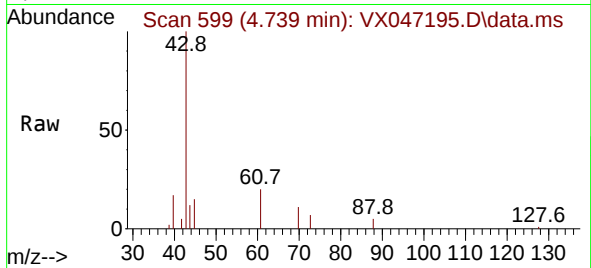
Tgt Ion:113 Resp: 710
Ion Ratio Lower Upper
113 100
111 80.4 82.6 124.0#
192 0.0 14.9 22.3#





#37
Ethyl Acetate
Concen: 55.127 ug/l m
RT: 4.739 min Scan# 596
Delta R.T. 0.019 min
Lab File: VX047195.D
Acq: 31 Jul 2025 11:56

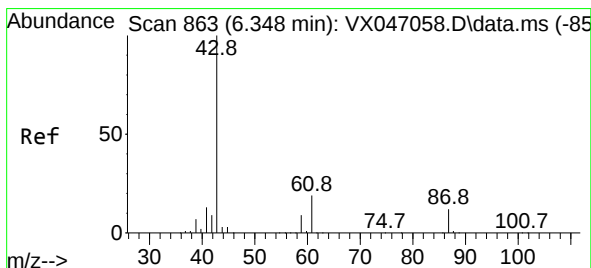
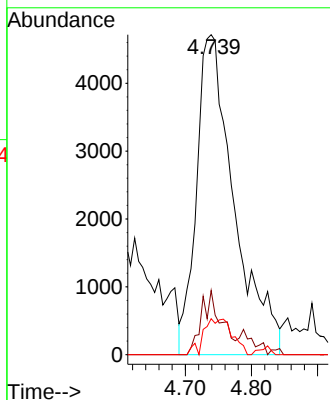
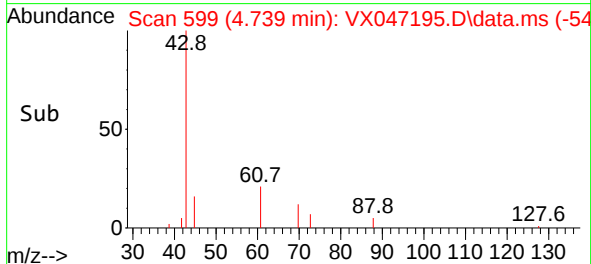
Instrument :
MSVOA_X
ClientSampleId :
PB169061TB



Tgt Ion: 43 Resp: 18709
Ion Ratio Lower Upper
43 100
61 10.7 10.2 15.2
70 8.6 8.1 12.1

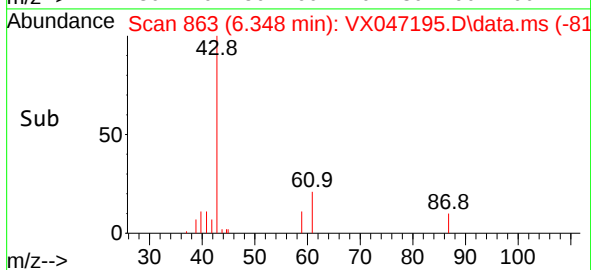
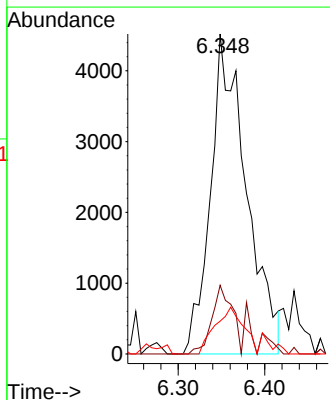
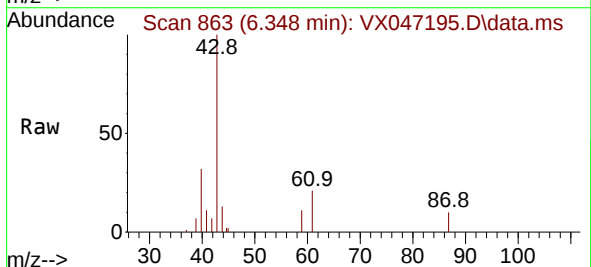
Manual Integrations
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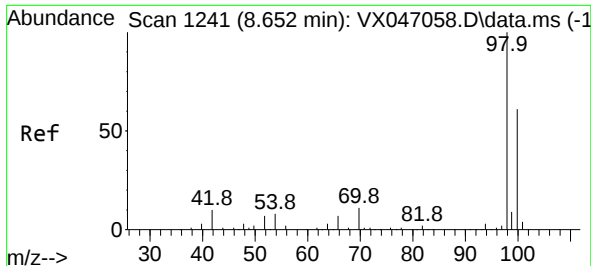
Reviewed By :John Carlone 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025



#43
Isopropyl Acetate
Concen: 24.421 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX047195.D
Acq: 31 Jul 2025 11:56

Tgt Ion: 43 Resp: 12921
Ion Ratio Lower Upper
43 100
61 12.2 15.1 22.7#
87 11.7 9.7 14.5





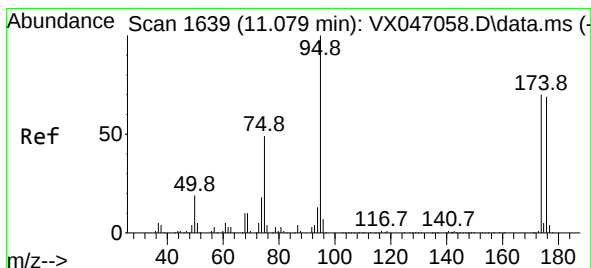
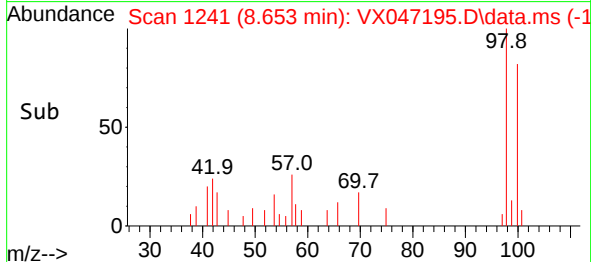
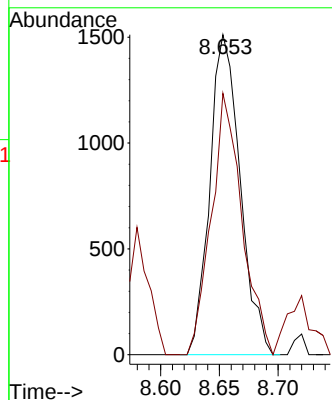
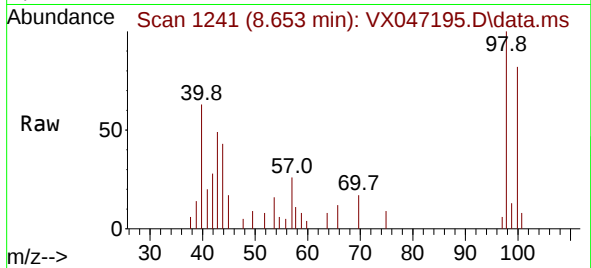
#50
Toluene-d8
Concen: 3.889 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047195.D
Acq: 31 Jul 2025 11:56

Instrument :
MSVOA_X
ClientSampleId :
PB169061TB

Tgt Ion: 98 Resp: 272
Ion Ratio Lower Upper
98 100
100 82.6 53.3 79.9

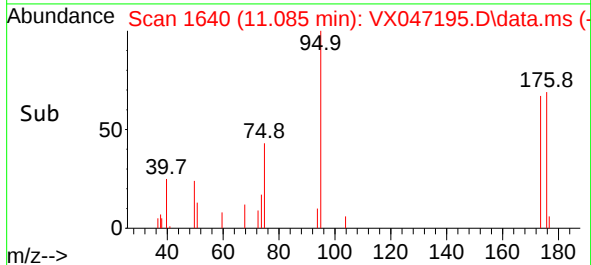
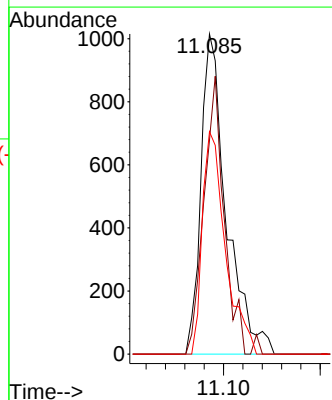
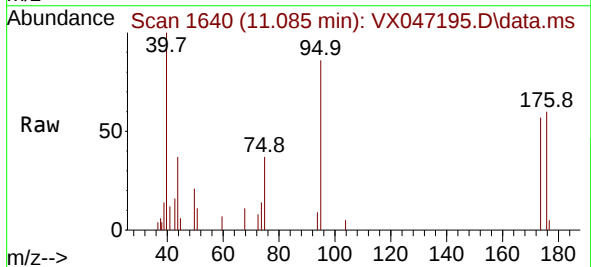
Manual Integrations
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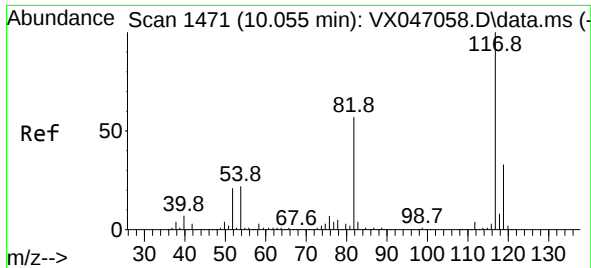
Reviewed By :John Carlone 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025



#62
4-Bromofluorobenzene
Concen: 6.168 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX047195.D
Acq: 31 Jul 2025 11:56

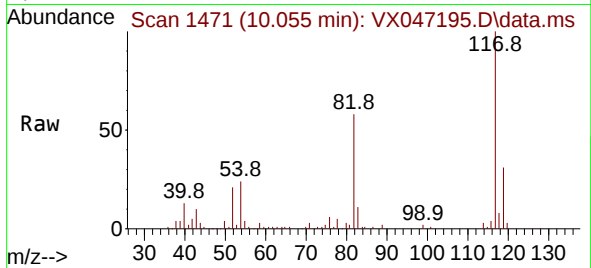
Tgt Ion: 95 Resp: 1860
Ion Ratio Lower Upper
95 100
174 68.5 0.0 144.6
176 62.9 0.0 139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047195.D
Acq: 31 Jul 2025 11:56

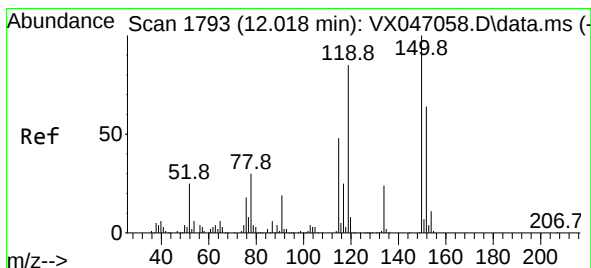
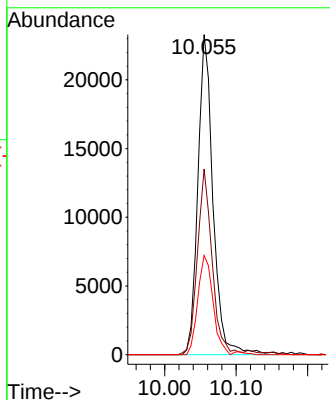
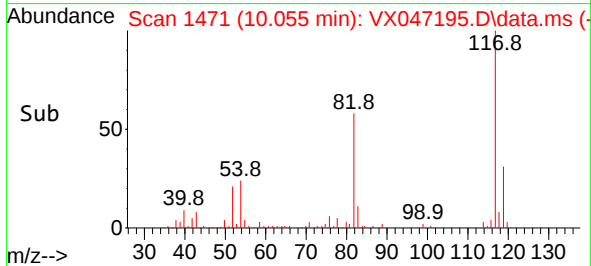
Instrument :
MSVOA_X
ClientSampleId :
PB169061TB



Tgt Ion:117 Resp: 34220
Ion Ratio Lower Upper
117 100
82 58.0 45.4 68.2
119 31.0 26.1 39.1

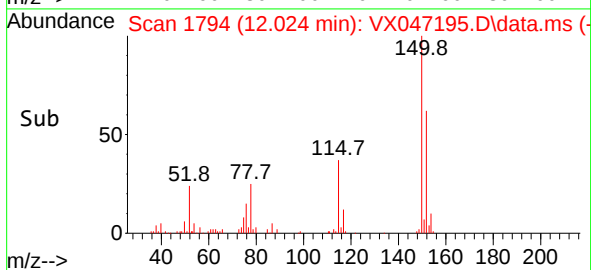
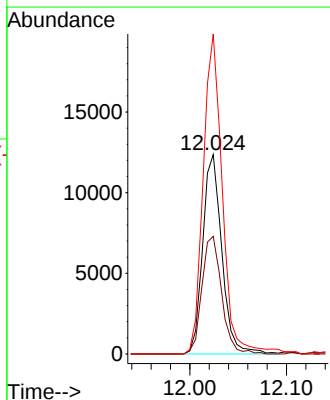
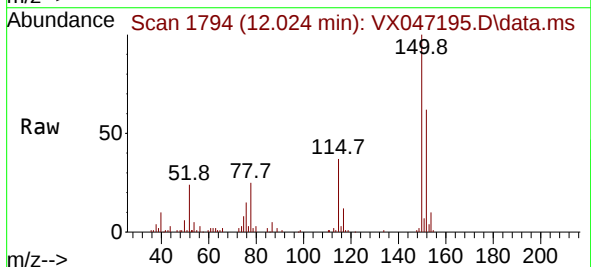
Manual Integrations
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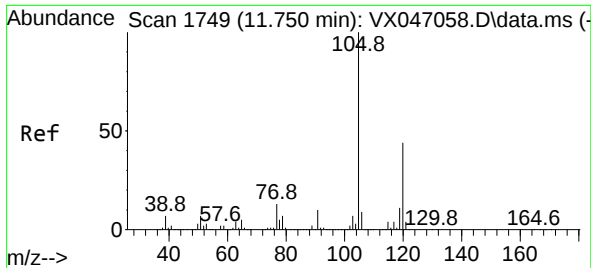
Reviewed By :John Carlone 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.007 min
Lab File: VX047195.D
Acq: 31 Jul 2025 11:56

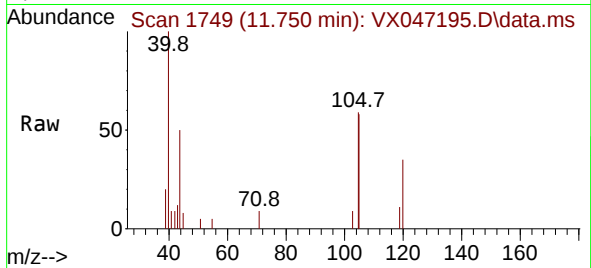
Tgt Ion:152 Resp: 17086
Ion Ratio Lower Upper
152 100
115 60.6 45.6 136.7
150 160.7 0.0 354.6





#84
1,2,4-Trimethylbenzene
Concen: 1.359 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047195.D
Acq: 31 Jul 2025 11:56

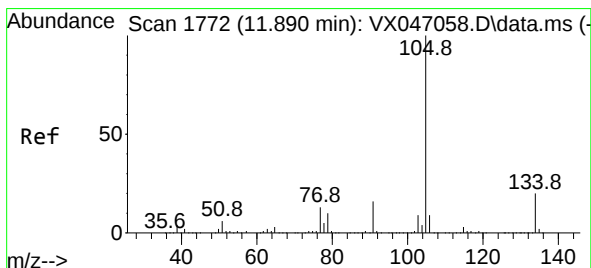
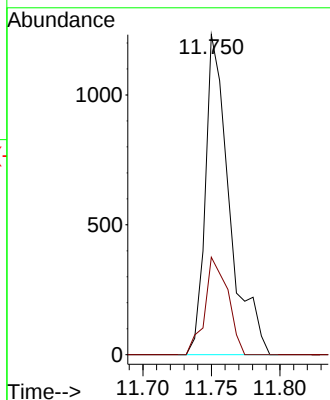
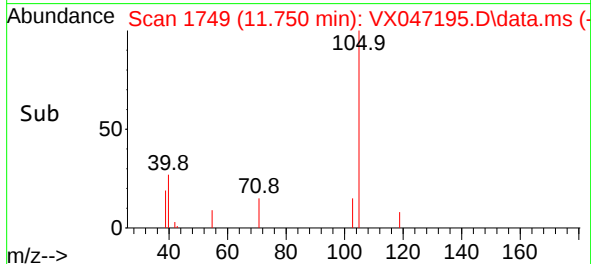
Instrument :
MSVOA_X
ClientSampleId :
PB169061TB



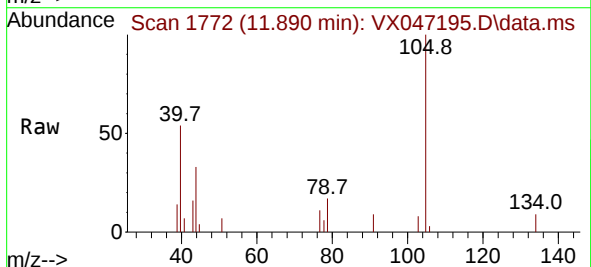
Tgt Ion:105 Resp: 1510
Ion Ratio Lower Upper
105 100
120 28.9 22.0 66.0

Manual Integrations
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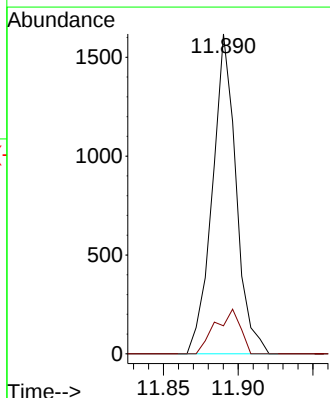
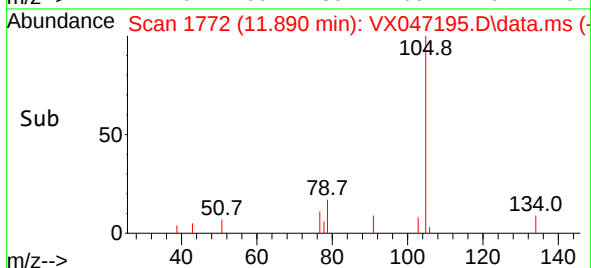
Reviewed By :John Carlone 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

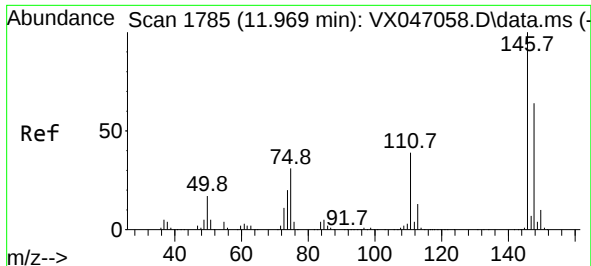


#85
sec-Butylbenzene
Concen: 1.276 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX047195.D
Acq: 31 Jul 2025 11:56



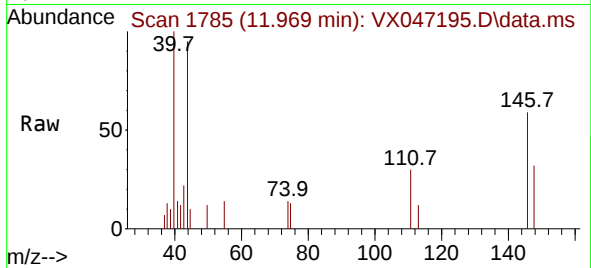
Tgt Ion:105 Resp: 1782
Ion Ratio Lower Upper
105 100
134 14.7 9.9 29.7





#87
1,3-Dichlorobenzene
Concen: 1.100 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX047195.D
Acq: 31 Jul 2025 11:56

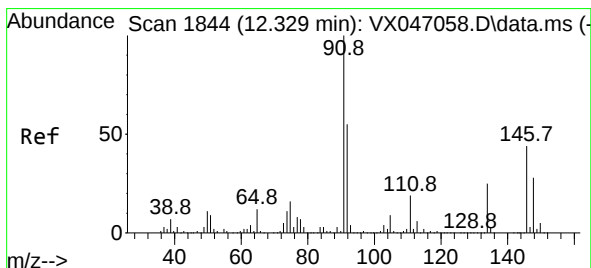
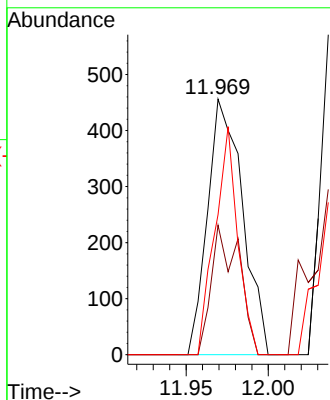
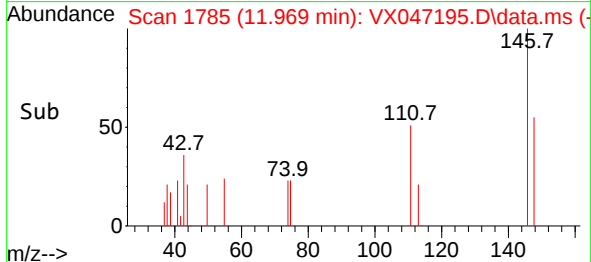
Instrument :
MSVOA_X
ClientSampleId :
PB169061TB



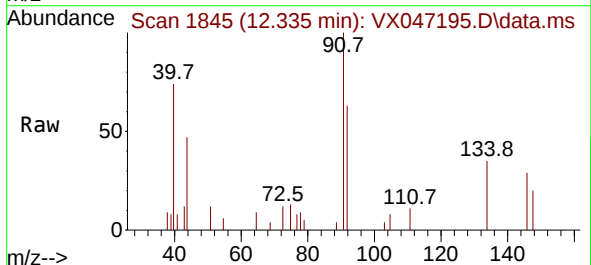
Tgt Ion:146 Resp: 670
Ion Ratio Lower Upper
146 100
111 39.9 21.0 63.0
148 58.3 32.0 96.0

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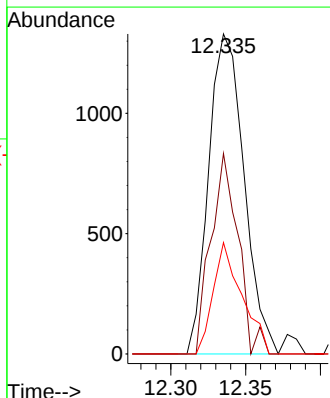
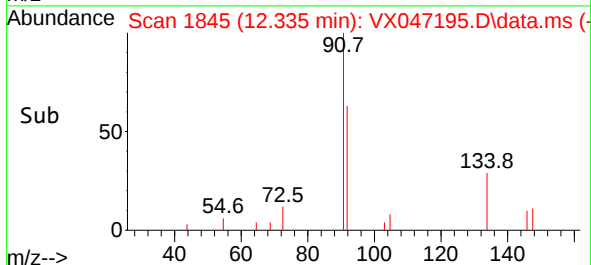
Reviewed By :John Carlone 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

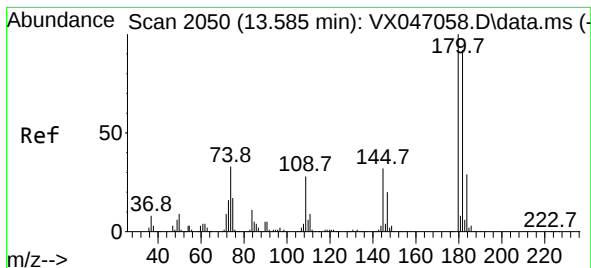


#89
n-Butylbenzene
Concen: 2.013 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.007 min
Lab File: VX047195.D
Acq: 31 Jul 2025 11:56



Tgt Ion: 91 Resp: 2186
Ion Ratio Lower Upper
91 100
92 48.2 27.5 82.5
134 28.3 12.8 38.3





#93

1,2,4-Trichlorobenzene

Concen: 3.372 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX047195.D

Acq: 31 Jul 2025 11:56

Instrument :

MSVOA_X

ClientSampleId :

PB169061TB

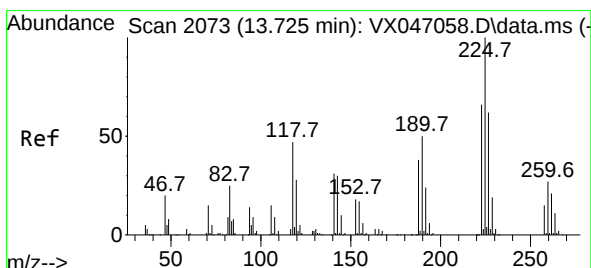
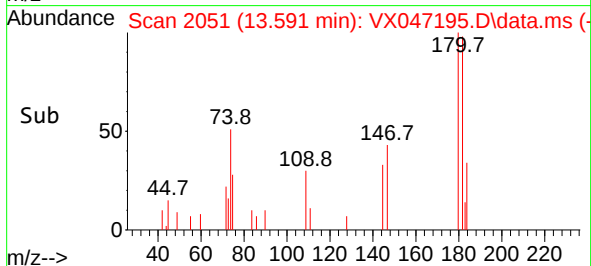
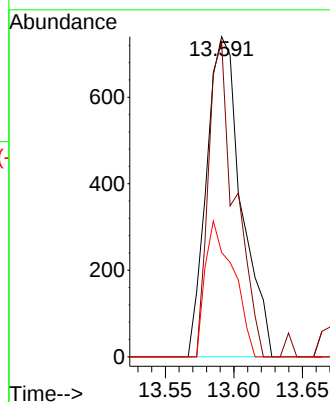
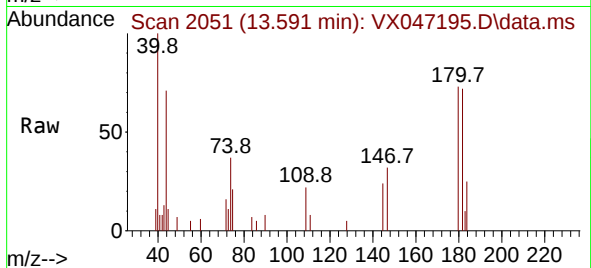
Tgt Ion:180	Resp:	1308
Ion Ratio	Lower	Upper
180	100	
182	75.5	47.3 141.8
145	34.3	16.4 49.1

Manual Integrations

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Reviewed By :John Carlone 08/01/2025

Supervised By :Mahesh Dadoda 08/01/2025



#94

Hexachlorobutadiene

Concen: 12.469 ug/l

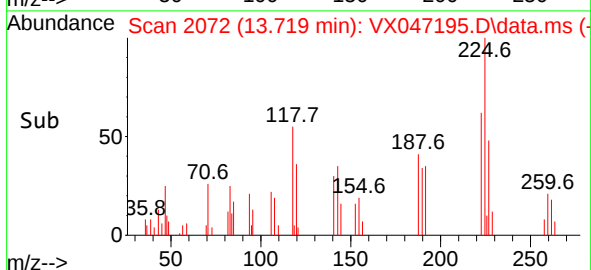
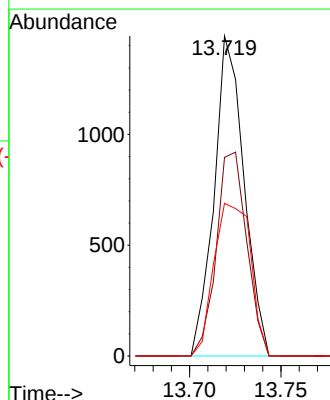
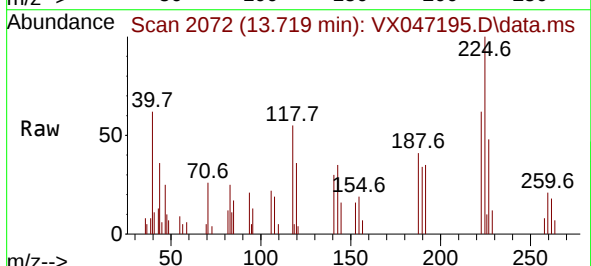
RT: 13.719 min Scan# 2072

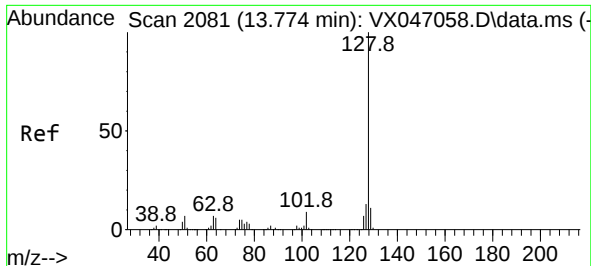
Delta R.T. -0.006 min

Lab File: VX047195.D

Acq: 31 Jul 2025 11:56

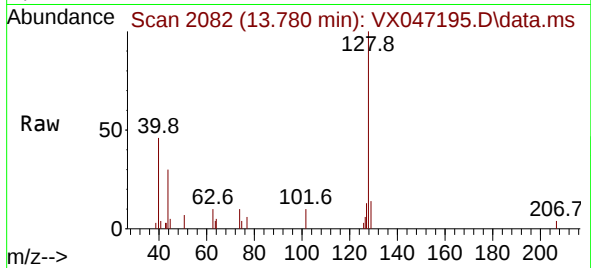
Tgt Ion:225	Resp:	1645
Ion Ratio	Lower	Upper
225	100	
223	64.7	31.6 95.0
227	58.5	32.9 98.6





#95
Naphthalene
Concen: 2.838 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.007 min
Lab File: VX047195.D
Acq: 31 Jul 2025 11:56

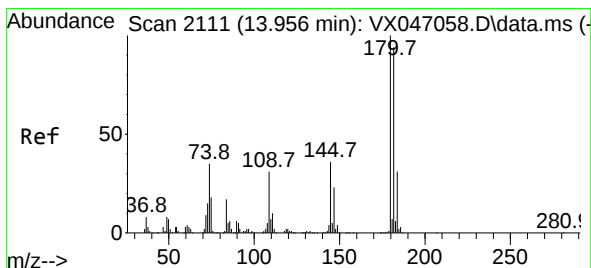
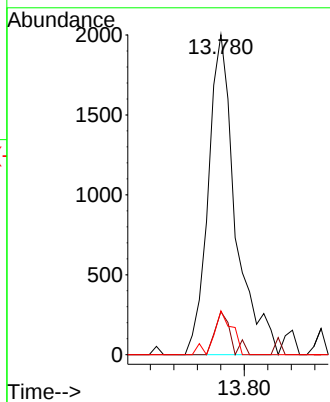
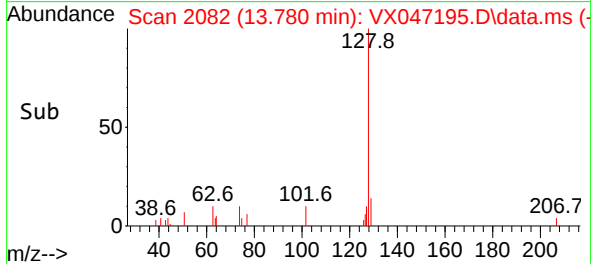
Instrument :
MSVOA_X
ClientSampleId :
PB169061TB



Tgt Ion:128 Resp: 322
Ion Ratio Lower Upper
128 100
127 7.8 10.1 15.1
129 9.2 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025



#96
1,2,3-Trichlorobenzene
Concen: 3.018 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.007 min
Lab File: VX047195.D
Acq: 31 Jul 2025 11:56

Tgt Ion:180 Resp: 1128
Ion Ratio Lower Upper
180 100
182 106.6 46.9 140.6
145 42.2 17.3 52.0

