

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046951.D
 Acq On : 10 Jul 2025 17:34
 Operator : JC/MD
 Sample : Q2554-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 250709071-01 VOA

Quant Time: Jul 11 01:34:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/11/2025
 Supervised By : Mahesh Dadoda 07/14/2025

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	426063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	761385	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	719131	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	364444	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	295255	52.455	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.920%			
35) Dibromofluoromethane	5.397	113	241105	46.651	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.300%			
50) Toluene-d8	8.647	98	929469	50.972	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.940%			
62) 4-Bromofluorobenzene	11.079	95	366996	52.955	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.920%			
Target Compounds					Qvalue	
8) Diethyl Ether	2.148	74	12942	4.851	ug/l	94
11) Tert butyl alcohol	2.953	59	1482678	4016.362	ug/l	100
16) Acetone	2.386	43	1842869	1054.034	ug/l	99
18) Methyl Acetate	2.715	43	12829	2.784	ug/l	93
19) Methyl tert-butyl Ether	3.129	73	25499	1.954	ug/l	91
20) Methylene Chloride	2.800	84	3746	0.725	ug/l #	92
25) 2-Butanone	4.562	43	3136222	1344.471	ug/l	99
29) Tetrahydrofuran	5.007	42	729213	490.393	ug/l	98
40) Benzene	6.050	78	90851	4.307	ug/l	100
48) Methyl methacrylate	7.708	41	5452m	1.161	ug/l	
49) 1,4-Dioxane	7.671	88	4790	88.009	ug/l #	77
51) 4-Methyl-2-Pentanone	8.580	43	47987	8.938	ug/l	95
52) Toluene	8.720	92	87478	6.693	ug/l	99
65) Chlorobenzene	10.079	112	20832	1.340	ug/l	96
67) Ethyl Benzene	10.195	91	196380	7.375	ug/l	100
68) m/p-Xylenes	10.299	106	78521	7.826	ug/l	98
69) o-Xylene	10.640	106	45570	4.702	ug/l	97
73) Isopropylbenzene	10.963	105	37211	1.452	ug/l	98
78) n-propylbenzene	11.305	91	18995	0.615	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	14835	0.713	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	65198	3.099	ug/l	98
86) p-Isopropyltoluene	12.006	119	98500	4.339	ug/l	97
88) 1,4-Dichlorobenzene	12.036	146	43370	3.492	ug/l	91
95) Naphthalene	13.774	128	747664	36.112	ug/l	100

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

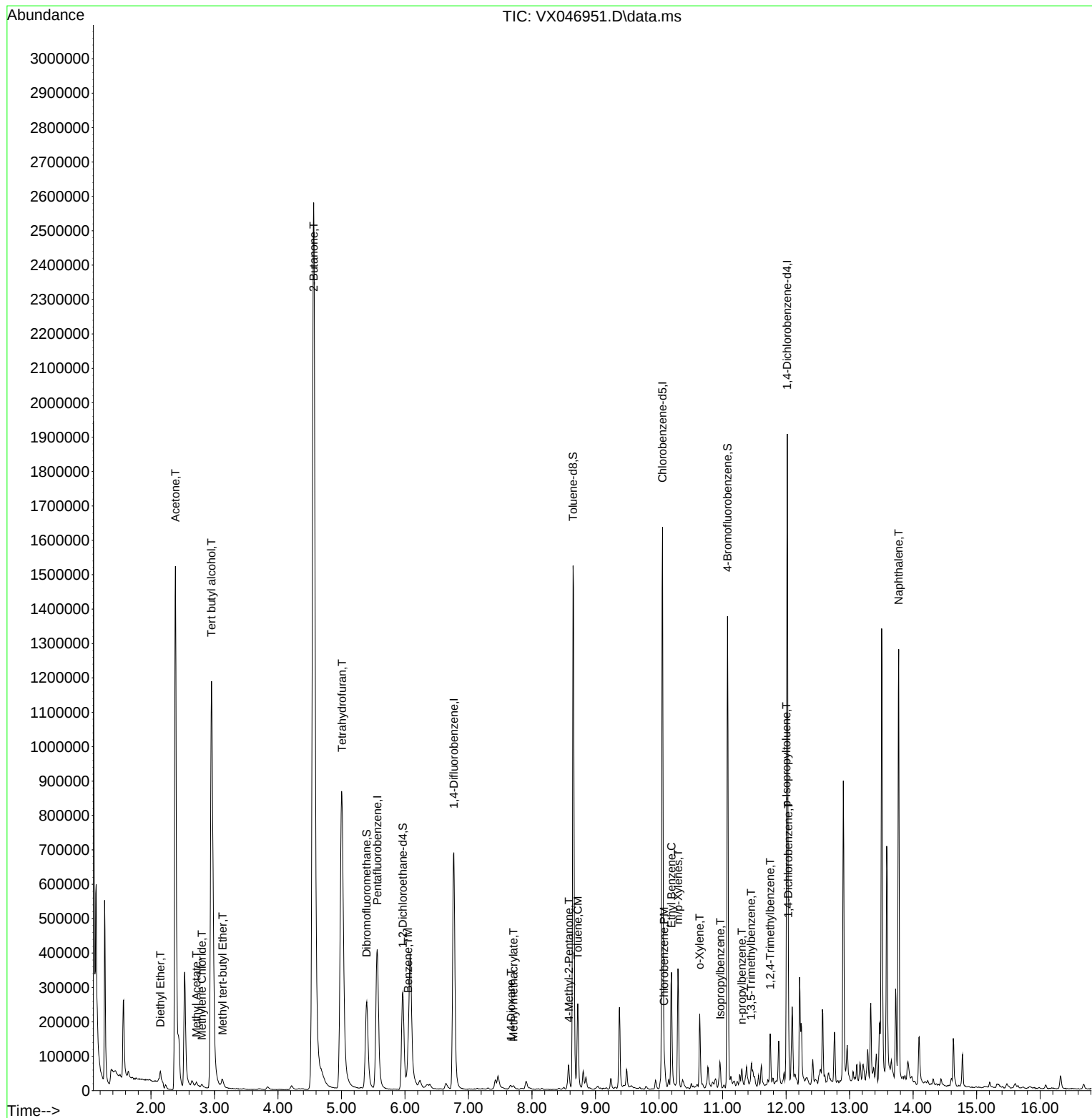
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046951.D
Acq On : 10 Jul 2025 17:34
Operator : JC/MD
Sample : Q2554-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

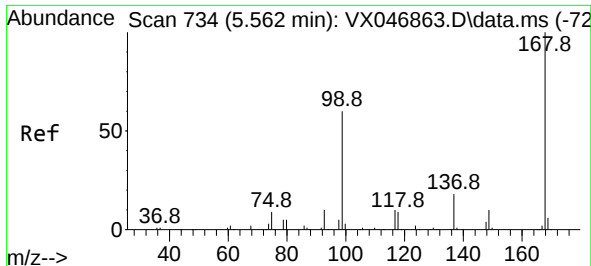
Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

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Supervised By :Mahesh Dadoda 07/14/2025

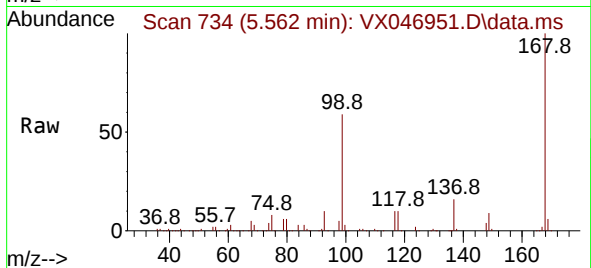
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

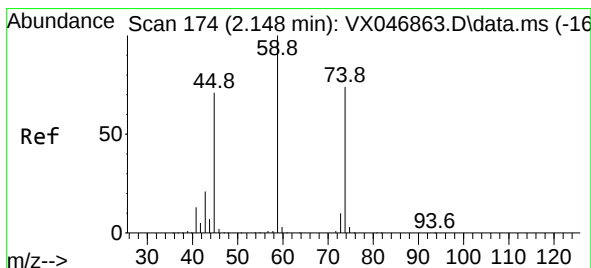
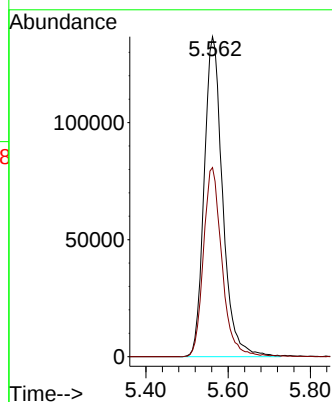
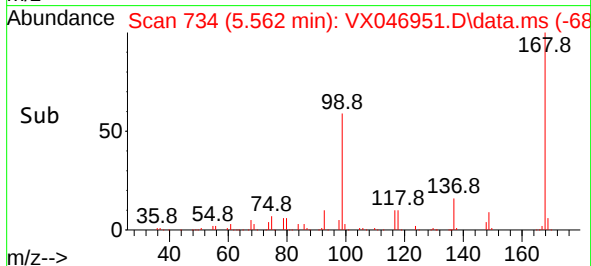
Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA



Tgt Ion:168 Resp: 42606
Ion Ratio Lower Upper
168 100
99 59.1 48.8 73.2

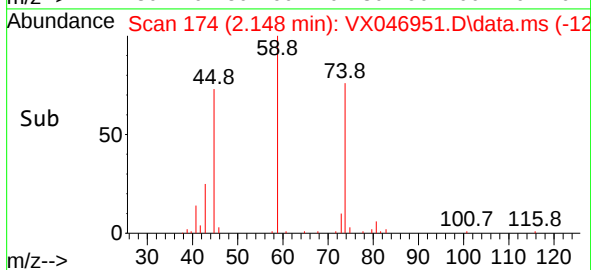
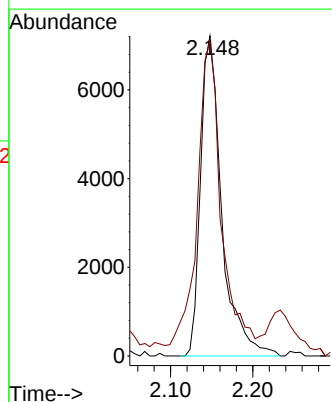
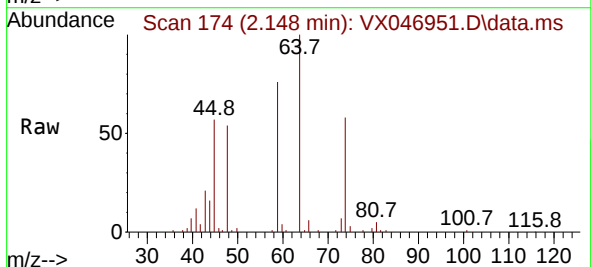
Manual Integrations
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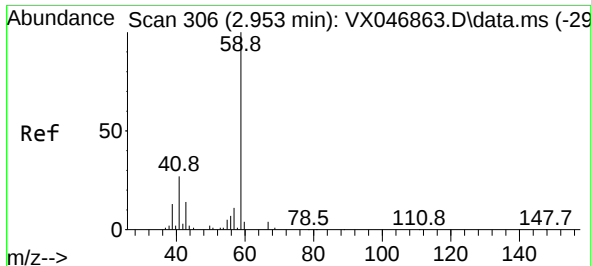
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#8
Diethyl Ether
Concen: 4.851 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

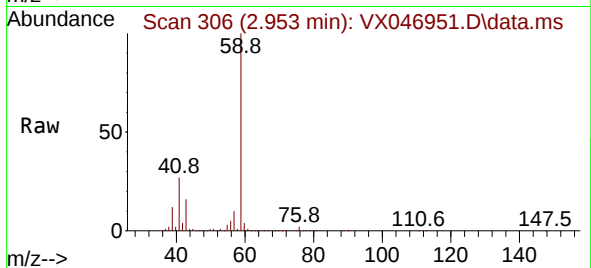
Tgt Ion: 74 Resp: 12942
Ion Ratio Lower Upper
74 100
45 107.2 50.7 152.1





#11
Tert butyl alcohol
Concen: 4016.362 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

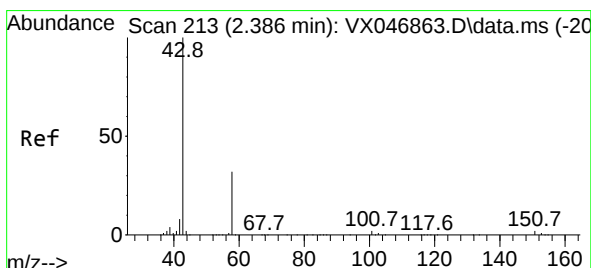
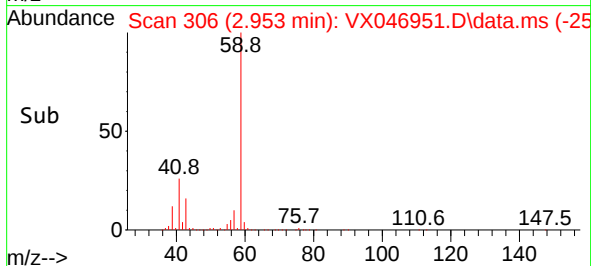
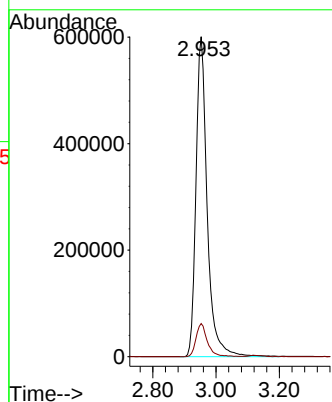
Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA



Tgt Ion: 59 Resp: 1482678
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7

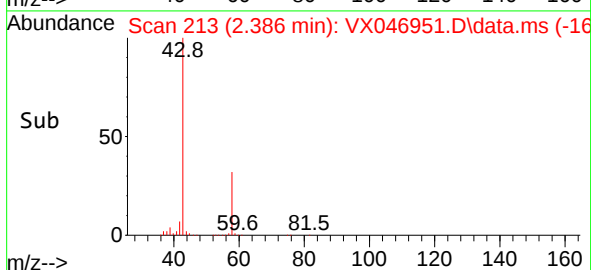
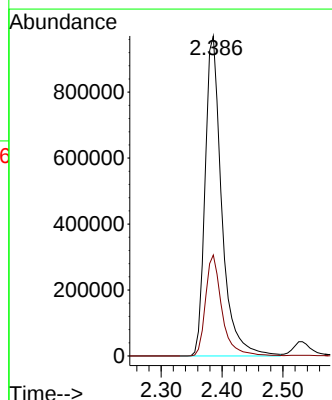
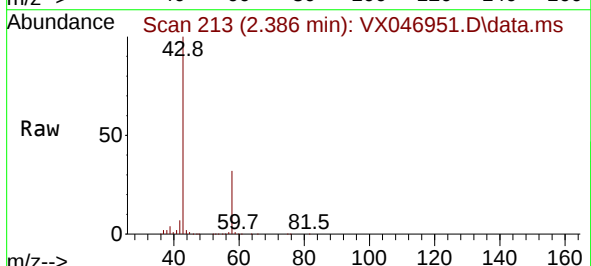
Manual Integrations
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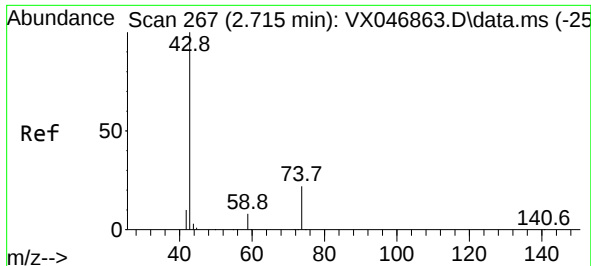
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#16
Acetone
Concen: 1054.034 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

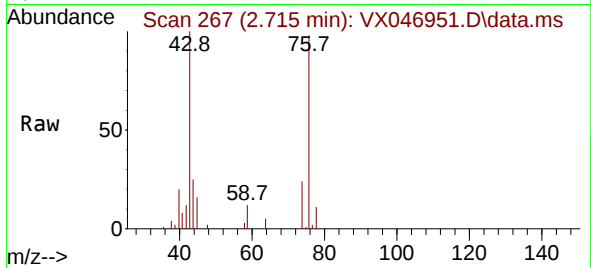
Tgt Ion: 43 Resp: 1842869
Ion Ratio Lower Upper
43 100
58 31.5 25.8 38.6





#18
Methyl Acetate
Concen: 2.784 ug/l
RT: 2.715 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

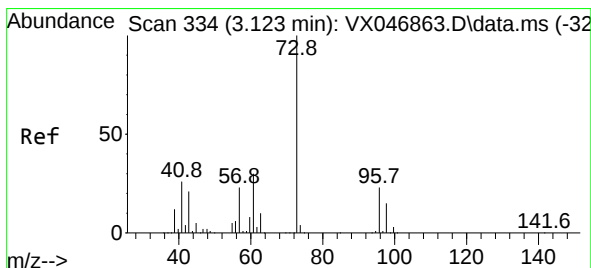
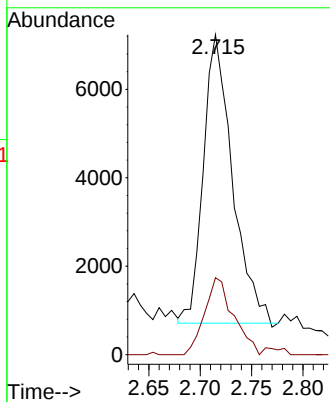
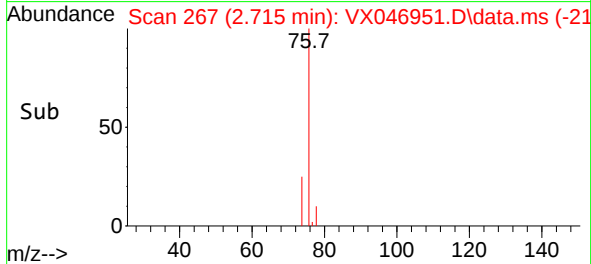
Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA



Tgt Ion: 43 Resp: 12829
Ion Ratio Lower Upper
43 100
74 26.4 18.3 27.5

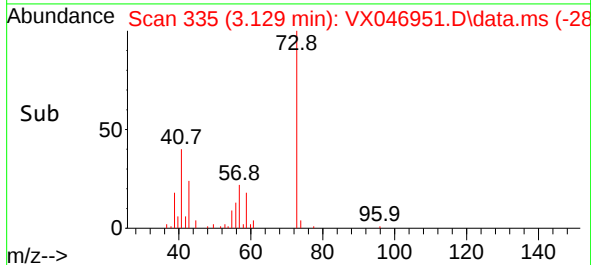
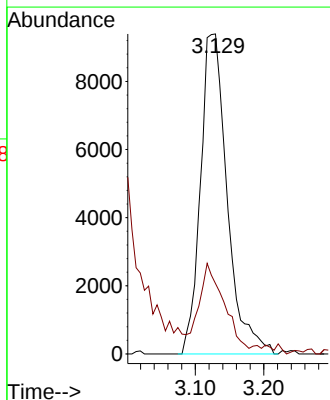
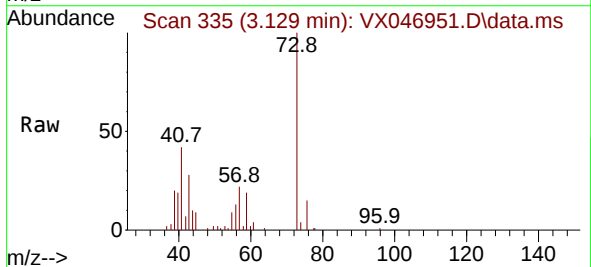
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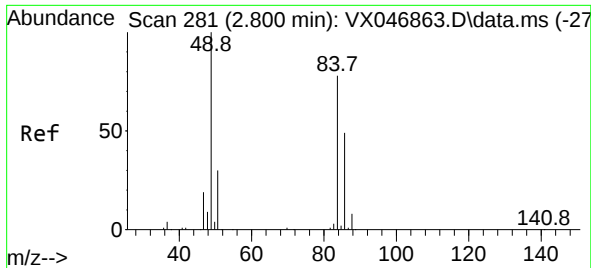
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#19
Methyl tert-butyl Ether
Concen: 1.954 ug/l
RT: 3.129 min Scan# 335
Delta R.T. 0.006 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

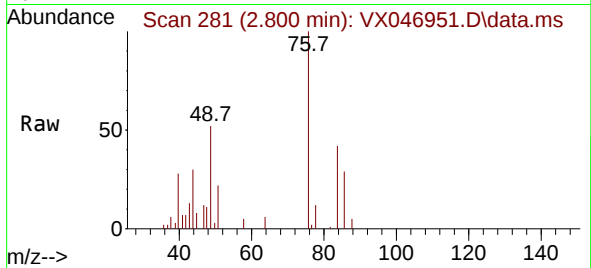
Tgt Ion: 73 Resp: 25499
Ion Ratio Lower Upper
73 100
57 18.9 18.6 28.0





#20
Methylene Chloride
Concen: 0.725 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

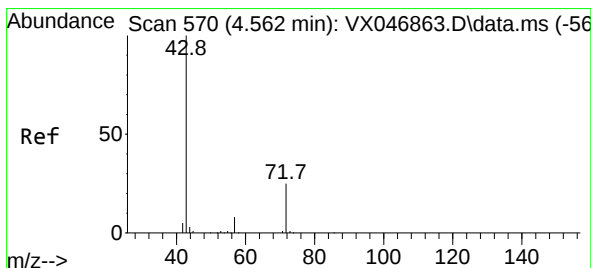
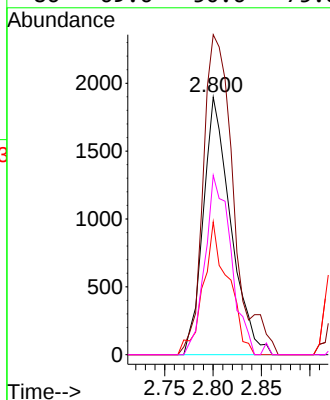
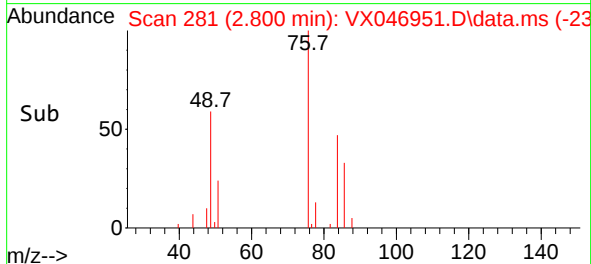
Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA



Tgt Ion: 84 Resp: 3740
Ion Ratio Lower Upper
84 100
49 124.2 102.8 154.2
51 51.6 31.1 46.7
86 69.6 50.6 75.8

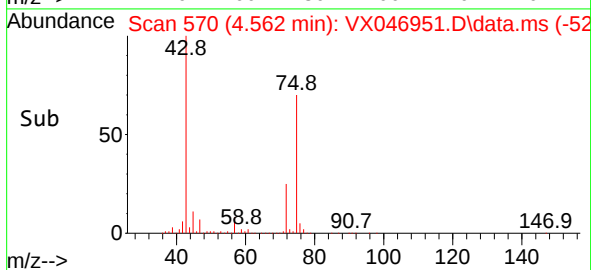
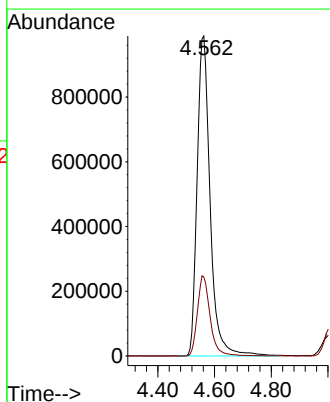
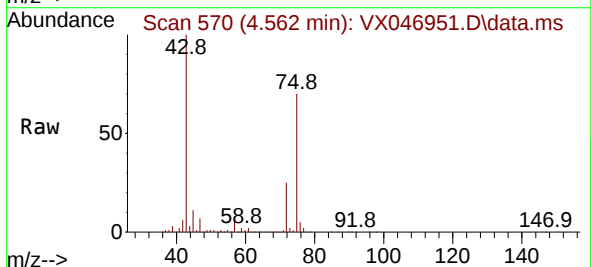
Manual Integrations
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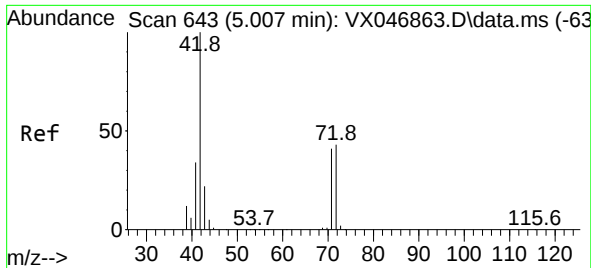
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#25
2-Butanone
Concen: 1344.471 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

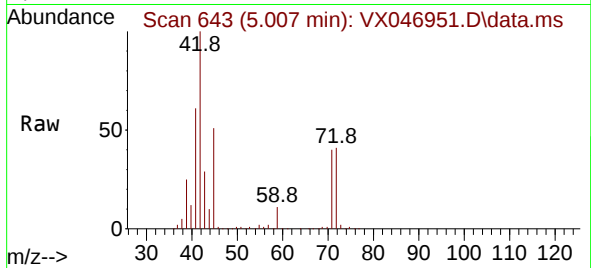
Tgt Ion: 43 Resp: 3136222
Ion Ratio Lower Upper
43 100
72 24.7 20.0 30.0





#29
Tetrahydrofuran
Concen: 490.393 ug/l
RT: 5.007 min Scan# 643
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

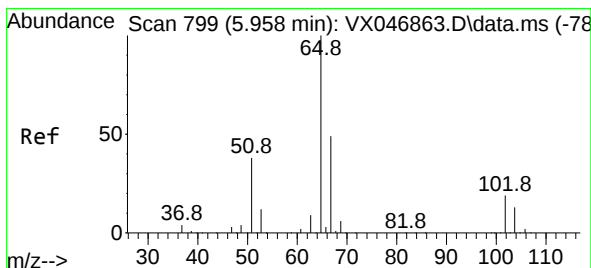
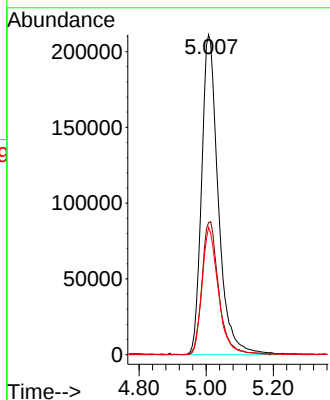
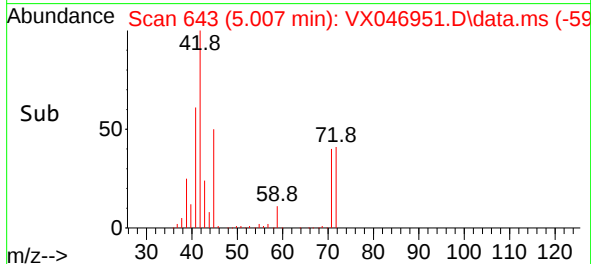
Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA



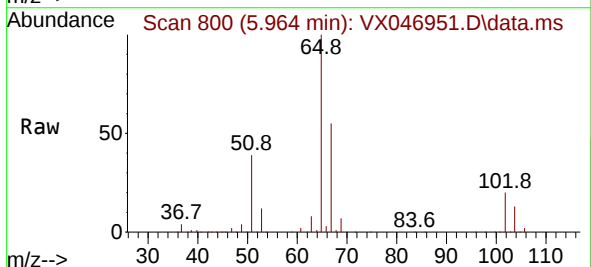
Tgt Ion: 42 Resp: 72921
Ion Ratio Lower Upper
42 100
72 42.0 35.1 52.7
71 38.8 31.9 47.9

Manual Integrations
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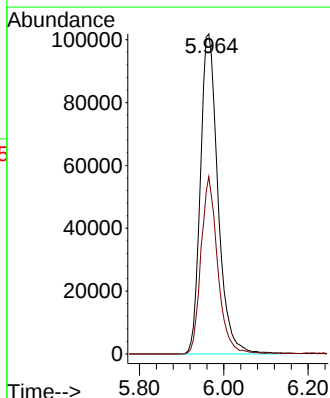
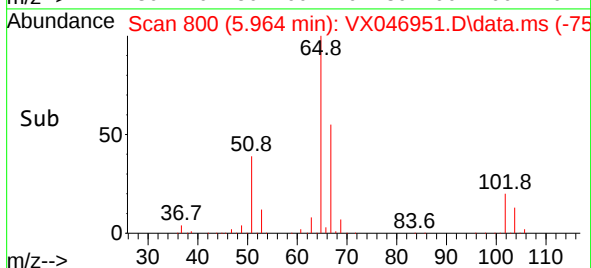
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

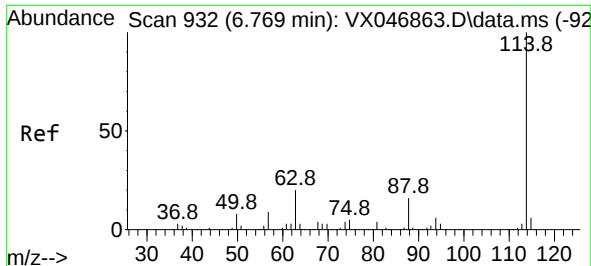


#33
1,2-Dichloroethane-d4
Concen: 52.455 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34



Tgt Ion: 65 Resp: 295255
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX046951.D

Acq: 10 Jul 2025 17:34

Instrument :

MSVOA_X

ClientSampleId :

250709071-01 VOA

Tgt Ion:114 Resp: 76138

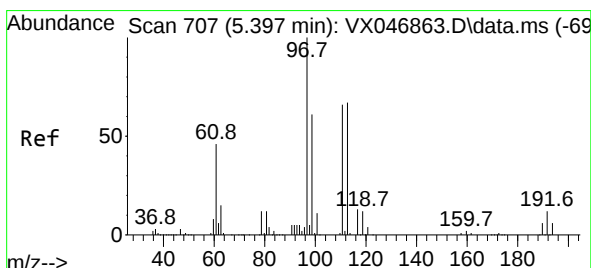
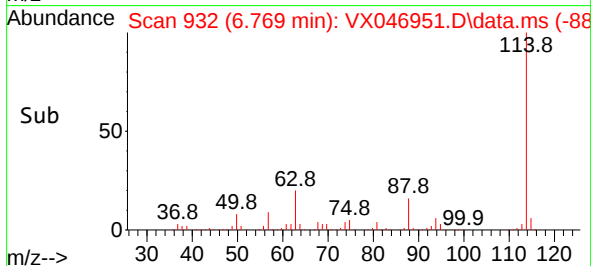
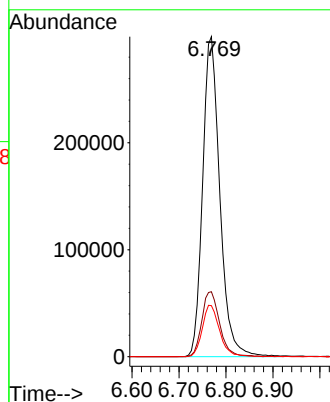
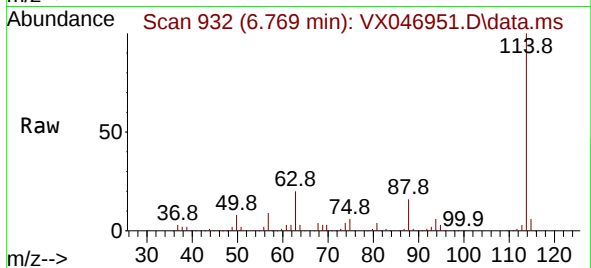
Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.4
88	16.0	0.0	31.0

Manual Integrations

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Supervised By :Mahesh Dadoda 07/14/2025



#35

Dibromofluoromethane

Concen: 46.651 ug/l

RT: 5.397 min Scan# 707

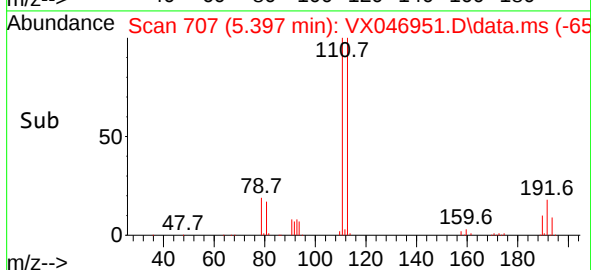
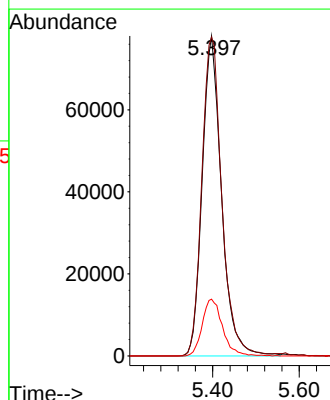
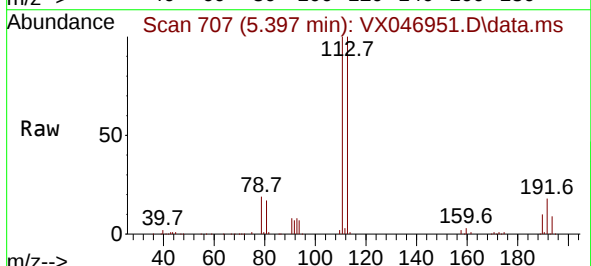
Delta R.T. -0.000 min

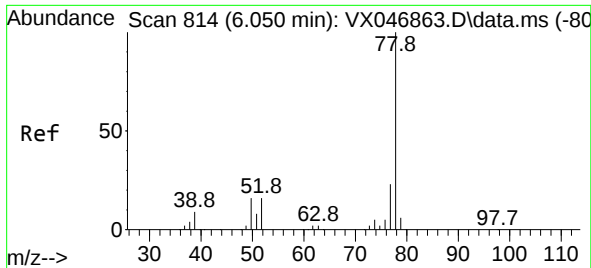
Lab File: VX046951.D

Acq: 10 Jul 2025 17:34

Tgt Ion:113 Resp: 241105

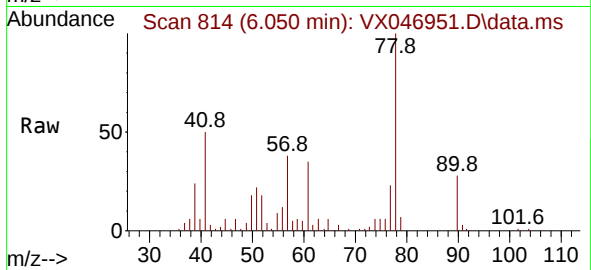
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.2	121.8
192	18.7	15.3	22.9





#40
Benzene
Concen: 4.307 ug/l
RT: 6.050 min Scan# 814
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

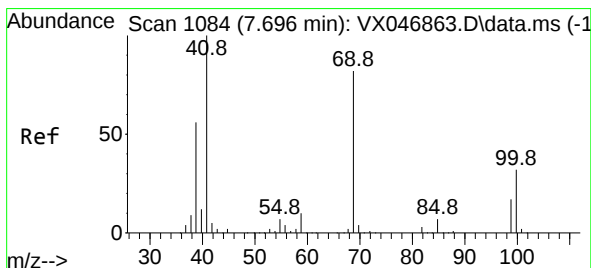
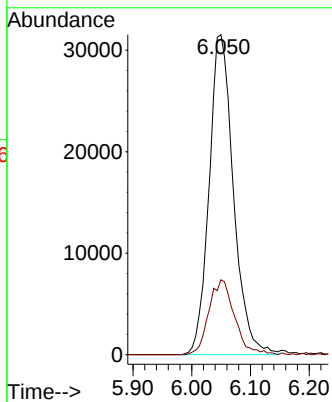
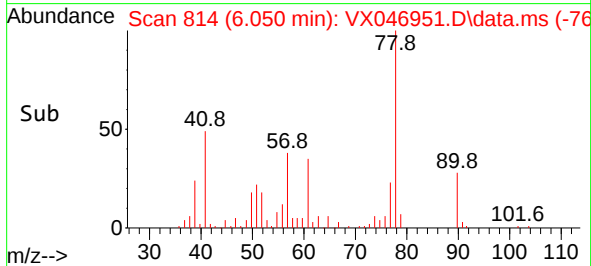
Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA



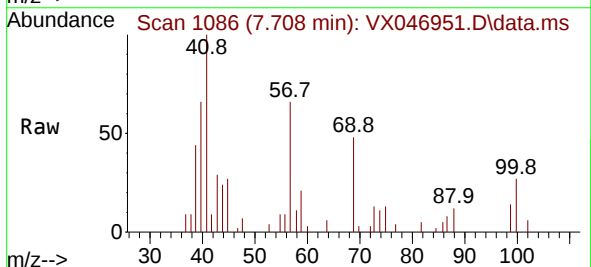
Tgt Ion: 78 Resp: 9085
Ion Ratio Lower Upper
78 100
77 23.4 18.7 28.1

Manual Integrations
APPROVED

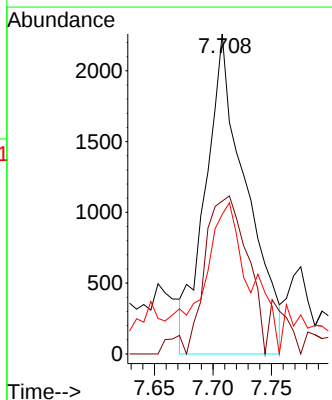
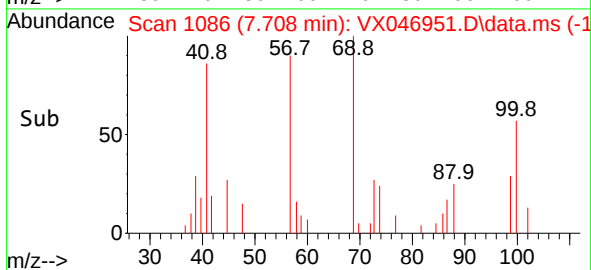
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

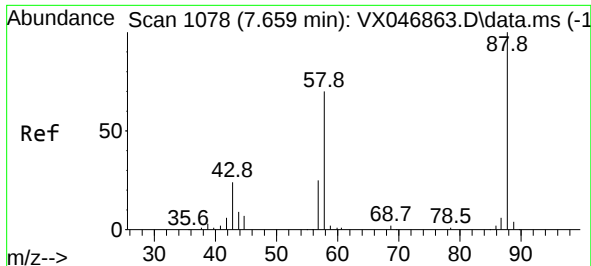


#48
Methyl methacrylate
Concen: 1.161 ug/l m
RT: 7.708 min Scan# 1086
Delta R.T. 0.012 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34



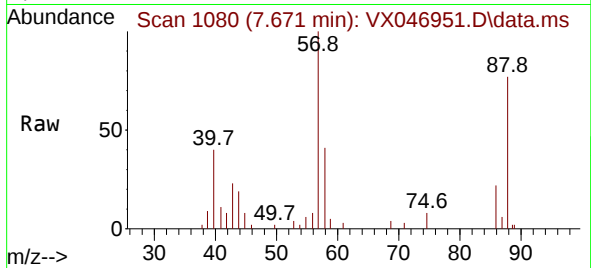
Tgt Ion: 41 Resp: 5452
Ion Ratio Lower Upper
41 100
69 50.6 65.8 98.8#
39 55.6 43.8 65.6





#49
 1,4-Dioxane
 Concen: 88.009 ug/l
 RT: 7.671 min Scan# 1080
 Delta R.T. 0.012 min
 Lab File: VX046951.D
 Acq: 10 Jul 2025 17:34

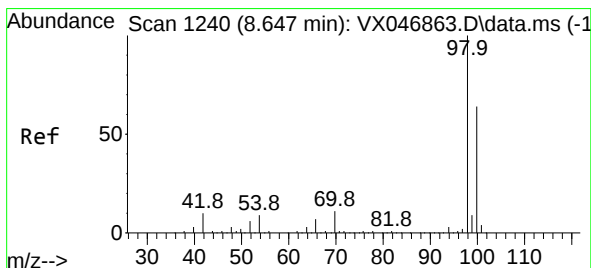
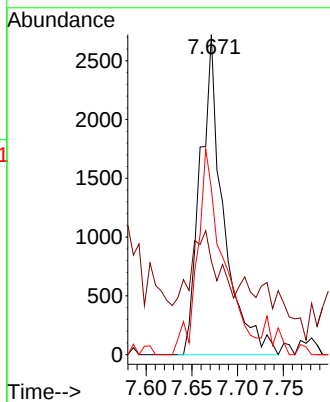
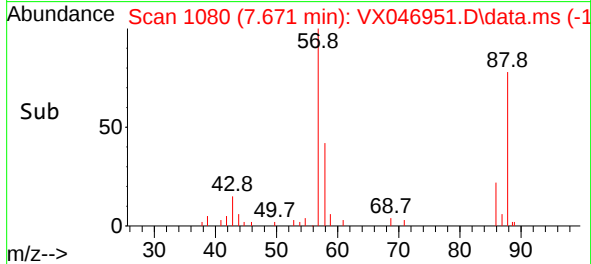
Instrument :
 MSVOA_X
 ClientSampleId :
 250709071-01 VOA



Tgt Ion: 88 Resp: 4790
 Ion Ratio Lower Upper
 88 100
 43 0.0 31.7 47.5
 58 71.8 57.5 86.3

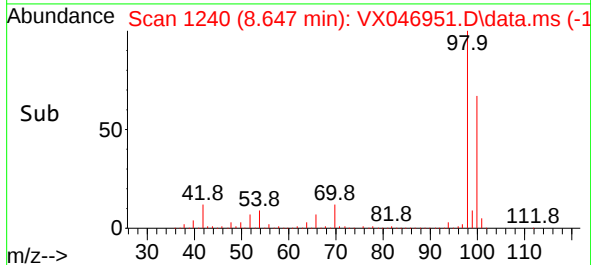
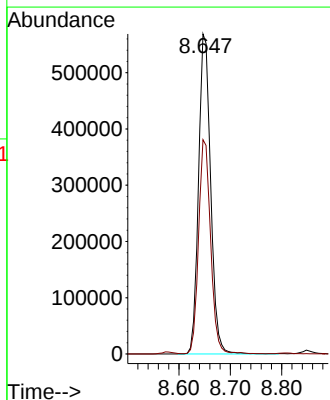
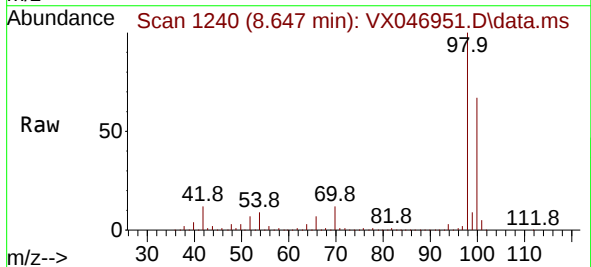
Manual Integrations
 APPROVED

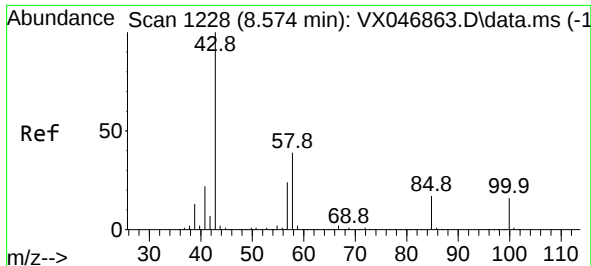
Reviewed By :John Carlone 07/11/2025
 Supervised By :Mahesh Dadoda 07/14/2025



#50
 Toluene-d8
 Concen: 50.972 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. -0.000 min
 Lab File: VX046951.D
 Acq: 10 Jul 2025 17:34

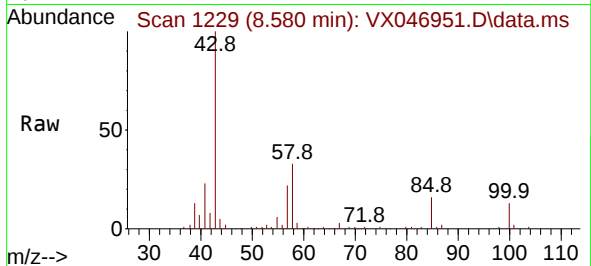
Tgt Ion: 98 Resp: 929469
 Ion Ratio Lower Upper
 98 100
 100 66.5 53.0 79.6





#51
4-Methyl-2-Pentanone
Concen: 8.938 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

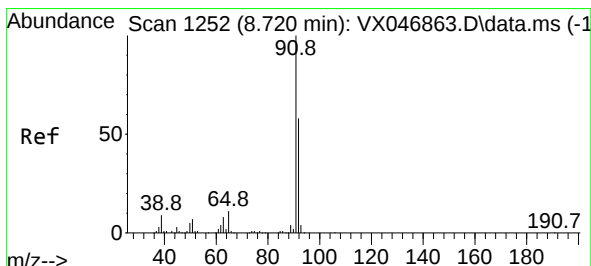
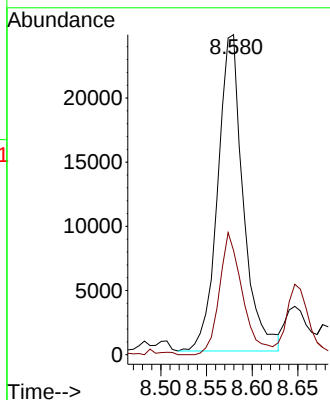
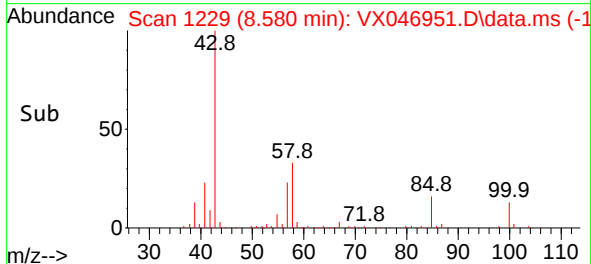
Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA



Tgt Ion: 43 Resp: 4798
Ion Ratio Lower Upper
43 100
58 34.9 30.4 45.6

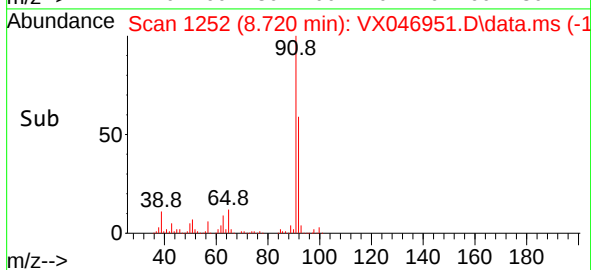
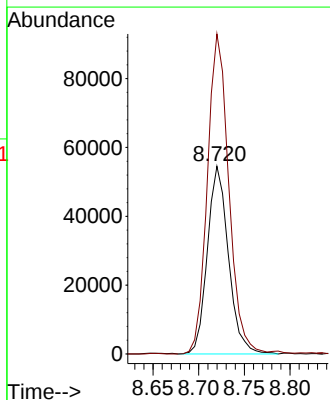
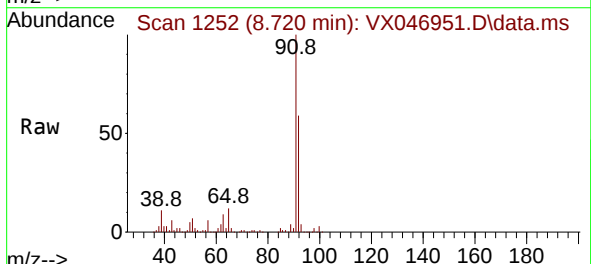
Manual Integrations
APPROVED

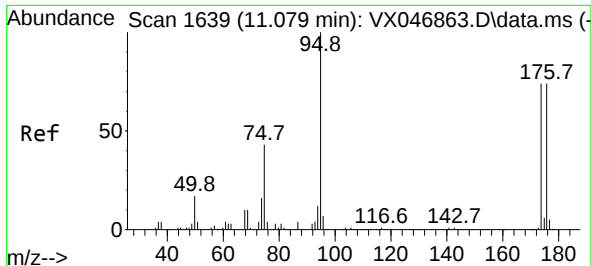
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#52
Toluene
Concen: 6.693 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

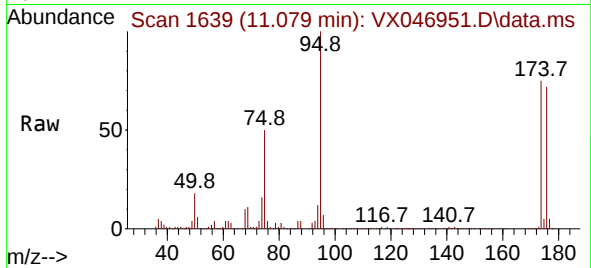
Tgt Ion: 92 Resp: 87478
Ion Ratio Lower Upper
92 100
91 174.0 137.9 206.9





#62
4-Bromofluorobenzene
Concen: 52.955 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

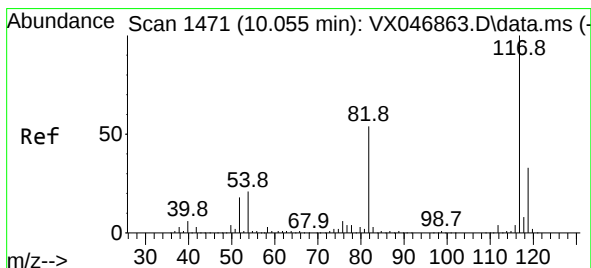
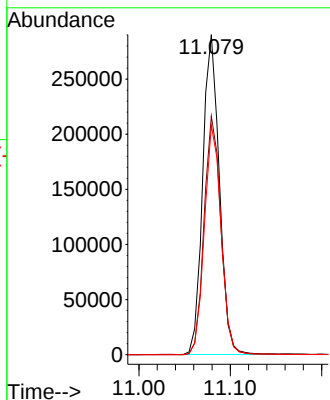
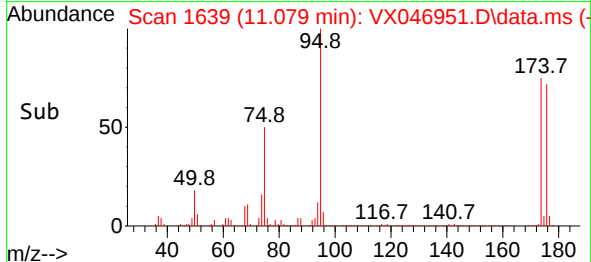
Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA



Tgt Ion: 95 Resp: 366990
Ion Ratio Lower Upper
95 100
174 75.4 0.0 152.0
176 72.3 0.0 145.2

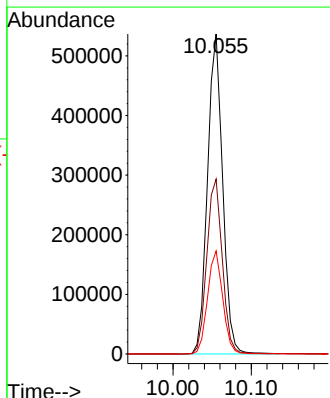
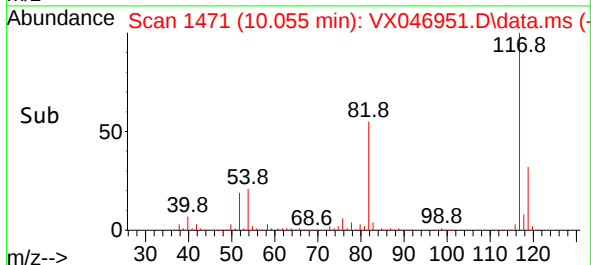
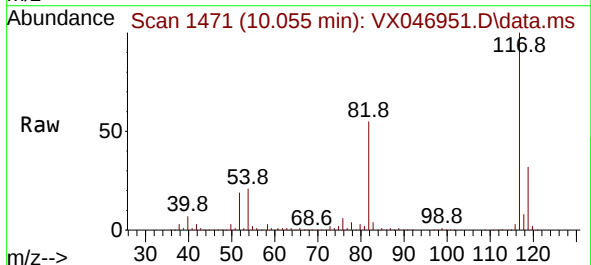
Manual Integrations
APPROVED

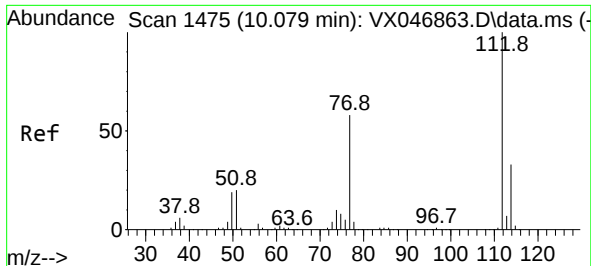
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

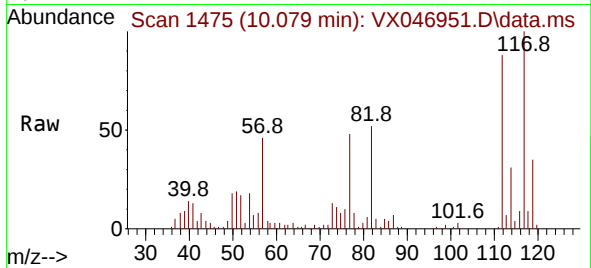
Tgt Ion:117 Resp: 719131
Ion Ratio Lower Upper
117 100
82 54.7 43.3 64.9
119 32.2 26.4 39.6





#65
Chlorobenzene
Concen: 1.340 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

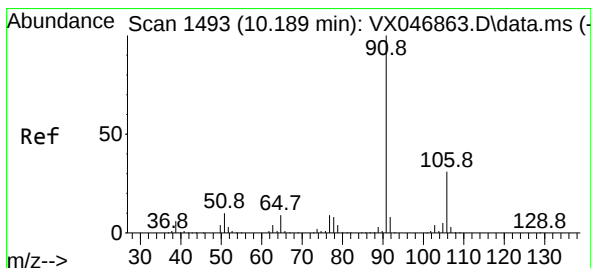
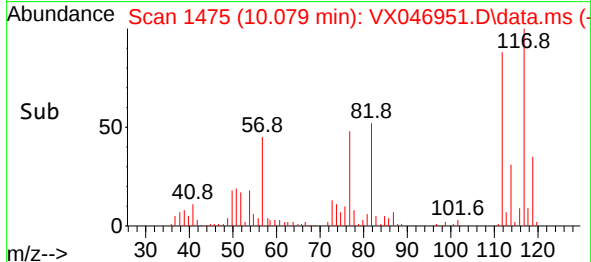
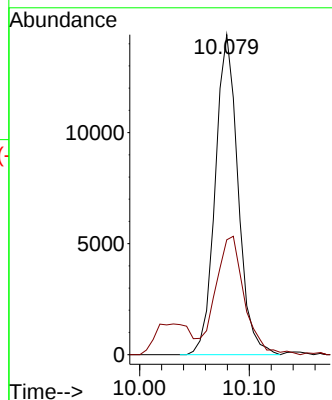
Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA



Tgt Ion:112 Resp: 20832
Ion Ratio Lower Upper
112 100
114 35.1 26.3 39.5

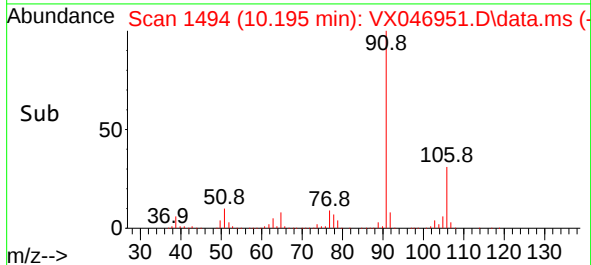
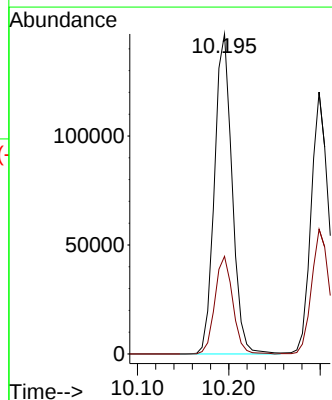
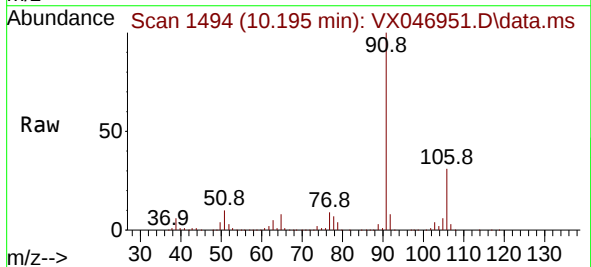
Manual Integrations
APPROVED

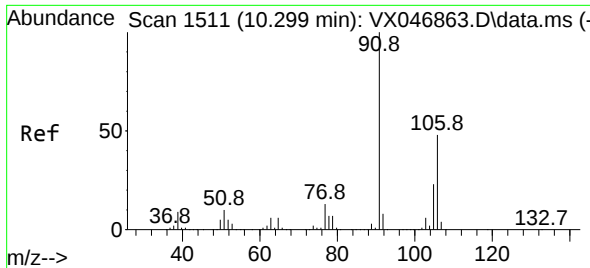
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#67
Ethyl Benzene
Concen: 7.375 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

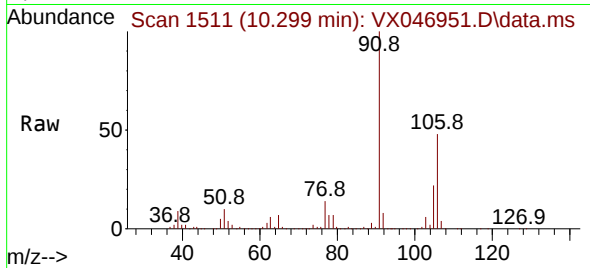
Tgt Ion: 91 Resp: 196380
Ion Ratio Lower Upper
91 100
106 30.5 24.4 36.6





#68
m/p-Xylenes
Concen: 7.826 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

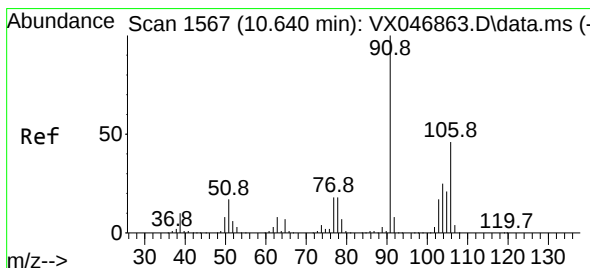
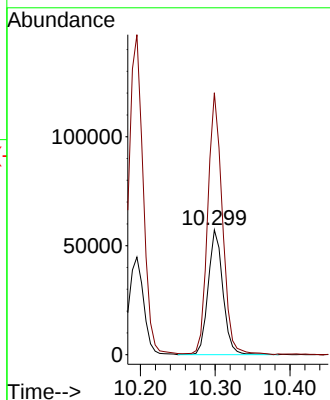
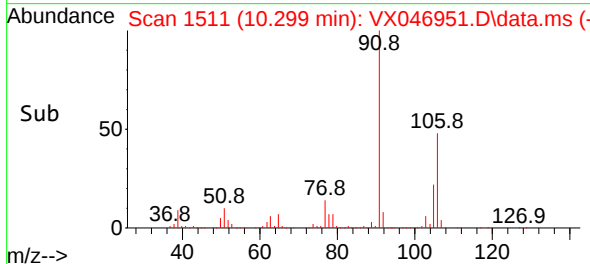
Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA



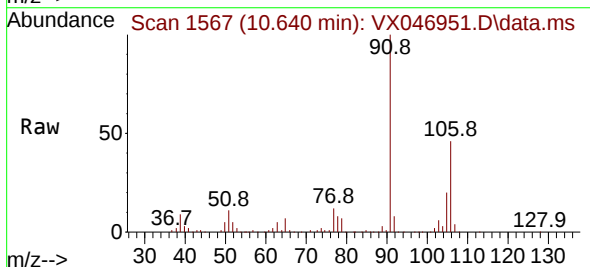
Tgt Ion:106 Resp: 7852
Ion Ratio Lower Upper
106 100
91 208.3 164.6 246.8

Manual Integrations
APPROVED

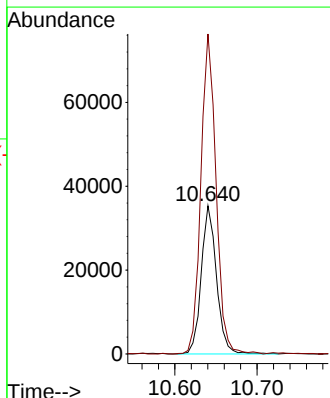
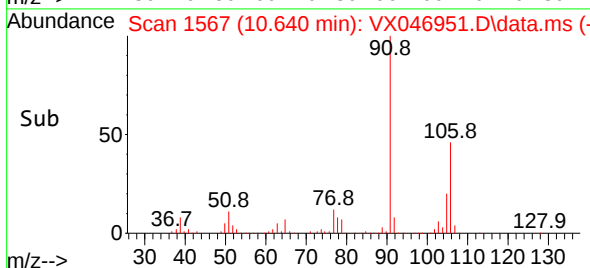
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

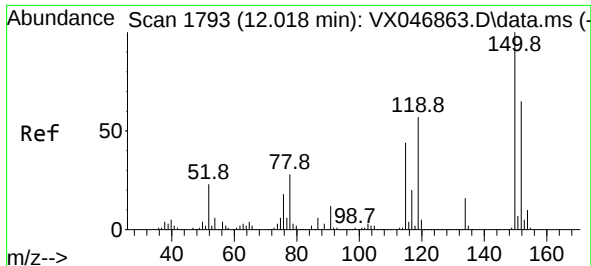


#69
o-Xylene
Concen: 4.702 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34



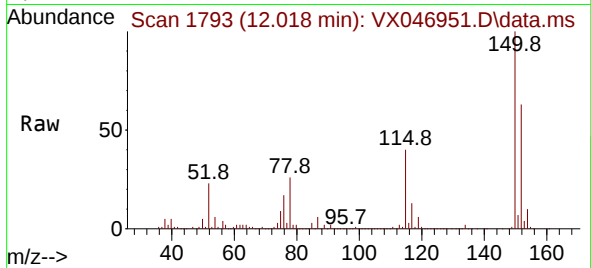
Tgt Ion:106 Resp: 45570
Ion Ratio Lower Upper
106 100
91 214.1 109.5 328.5





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

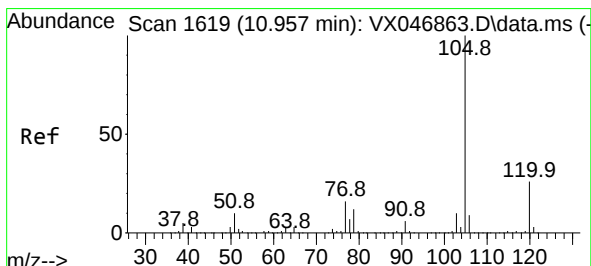
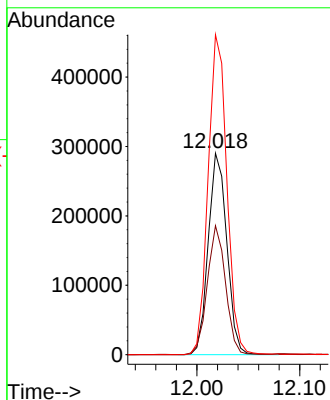
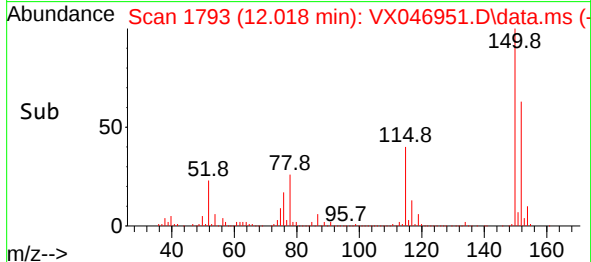
Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA



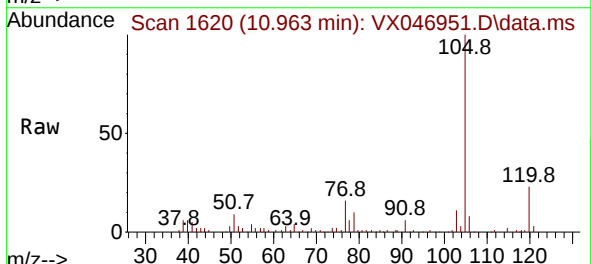
Tgt Ion:152 Resp: 364444
Ion Ratio Lower Upper
152 100
115 62.4 42.4 127.1
150 160.1 0.0 349.2

Manual Integrations
APPROVED

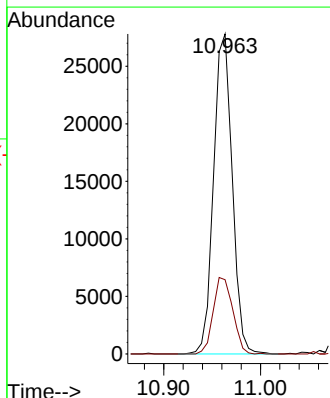
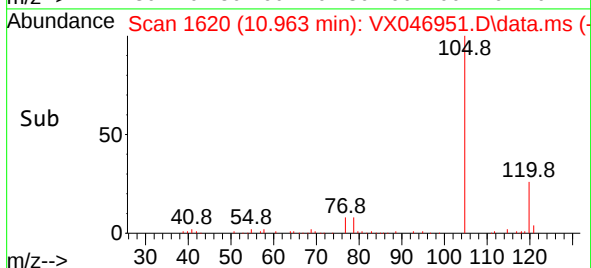
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

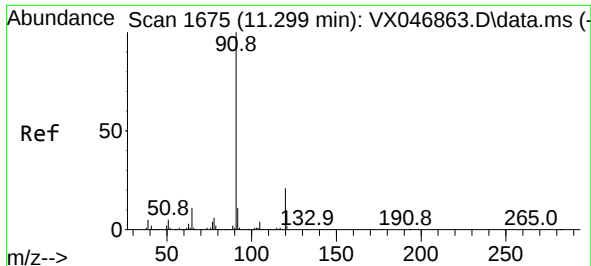


#73
Isopropylbenzene
Concen: 1.452 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34



Tgt Ion:105 Resp: 37211
Ion Ratio Lower Upper
105 100
120 25.1 13.2 39.5





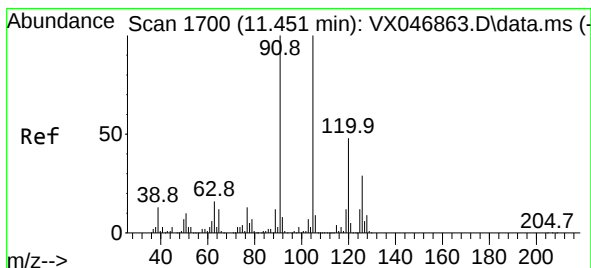
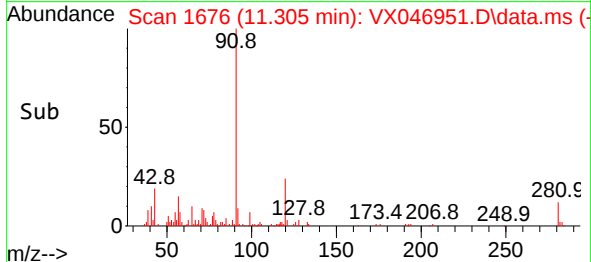
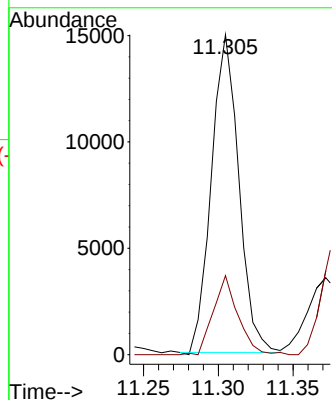
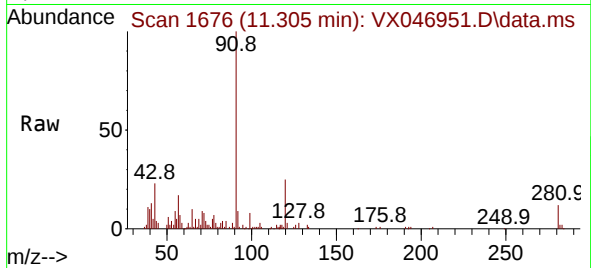
#78
n-propylbenzene
Concen: 0.615 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

Tgt Ion: 91 Resp: 1899
Ion Ratio Lower Upper
91 100
120 22.5 11.2 33.5

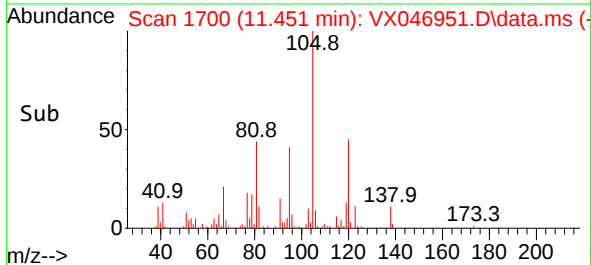
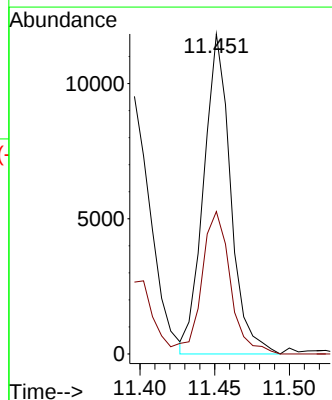
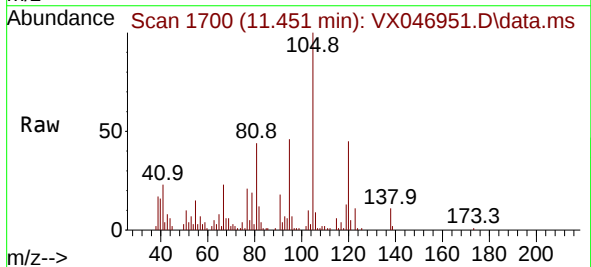
Manual Integrations
APPROVED

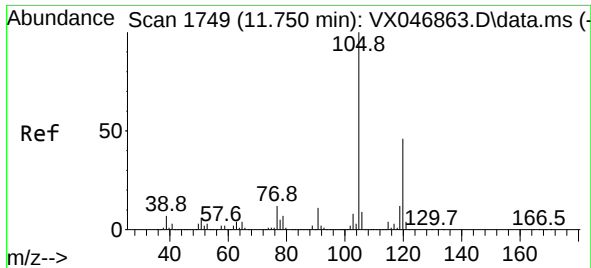
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#80
1,3,5-Trimethylbenzene
Concen: 0.713 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

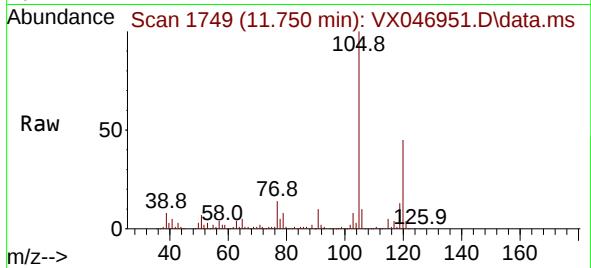
Tgt Ion:105 Resp: 14835
Ion Ratio Lower Upper
105 100
120 47.2 24.1 72.4





#84
1,2,4-Trimethylbenzene
Concen: 3.099 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

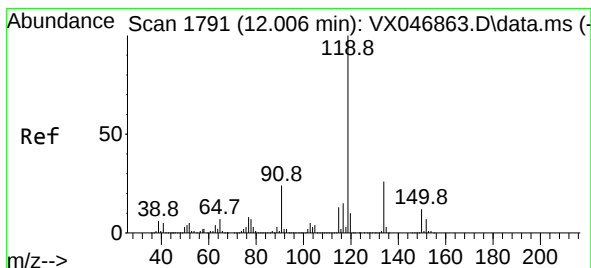
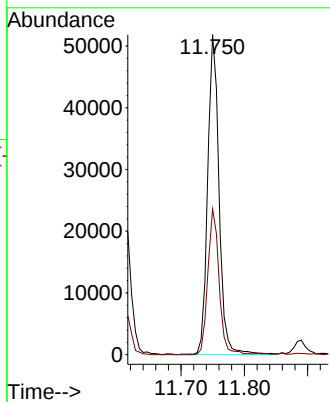
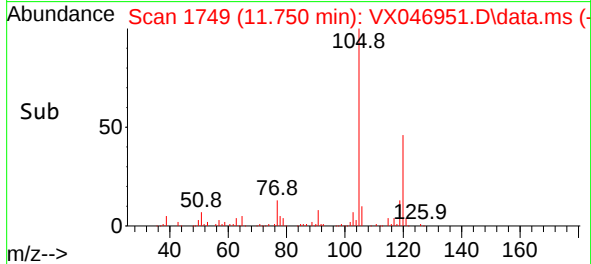
Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA



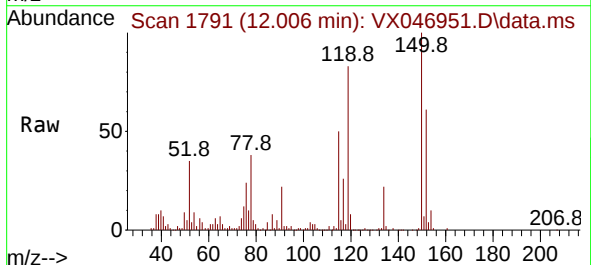
Tgt Ion:105 Resp: 65198
Ion Ratio Lower Upper
105 100
120 45.0 23.3 69.8

Manual Integrations
APPROVED

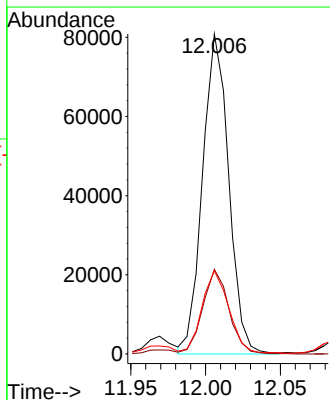
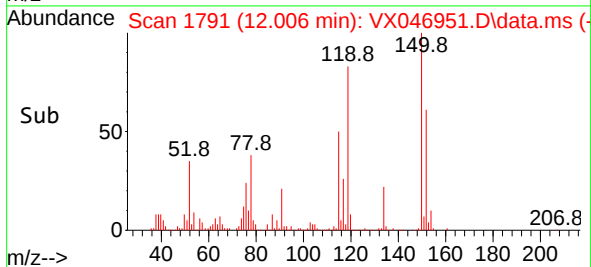
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

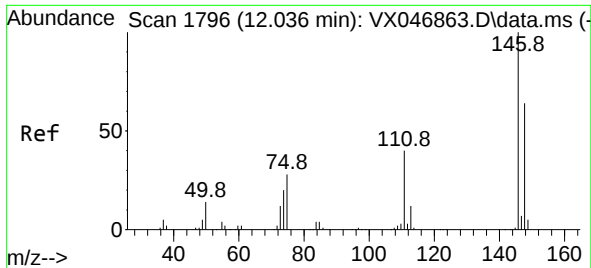


#86
p-Isopropyltoluene
Concen: 4.339 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34



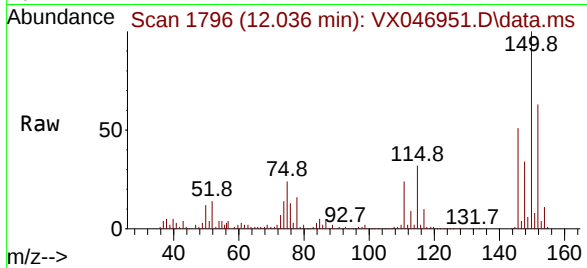
Tgt Ion:119 Resp: 98500
Ion Ratio Lower Upper
119 100
134 26.4 13.0 39.0
91 27.1 12.0 36.1





#88
1,4-Dichlorobenzene
Concen: 3.492 ug/l
RT: 12.036 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

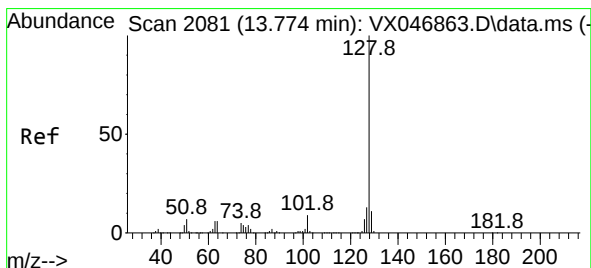
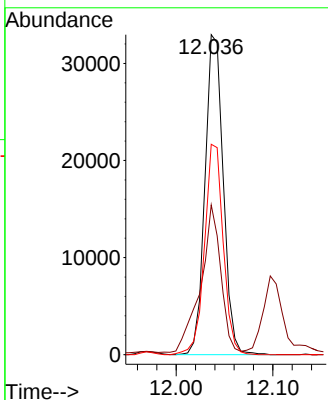
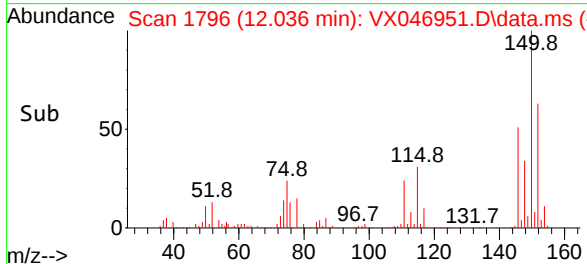
Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA



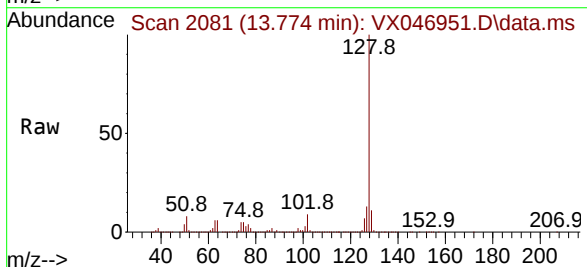
Tgt Ion:146 Resp: 43370
Ion Ratio Lower Upper
146 100
111 50.7 20.2 60.5
148 67.3 32.4 97.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#95
Naphthalene
Concen: 36.112 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34



Tgt Ion:128 Resp: 747664
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 11.1 8.6 13.0

