

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
 Data File : VX047164.D
 Acq On : 28 Jul 2025 14:46
 Operator : JC/MD
 Sample : Q2691-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 299

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/29/2025
 Supervised By :Mahesh Dadoda 07/29/2025

Quant Time: Jul 29 02:17:27 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	5.562	168	304595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	520406	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	458923	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	229300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	186301	49.100	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.200%		
35) Dibromofluoromethane	5.397	113	158080	49.198	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.400%		
50) Toluene-d8	8.653	98	480309	46.158	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.320%		
62) 4-Bromofluorobenzene	11.079	95	222883	49.703	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.400%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.959	59	24942	47.918	ug/l	96
16) Acetone	2.392	43	137872	90.705	ug/l	96
18) Methyl Acetate	2.715	43	41118	10.179	ug/l #	91
20) Methylene Chloride	2.806	84	15216	3.639	ug/l #	88
25) 2-Butanone	4.580	43	37405	16.900	ug/l	97
37) Ethyl Acetate	4.733	43	17483m	3.464	ug/l	
43) Isopropyl Acetate	6.354	43	18318	2.328	ug/l #	80
51) 4-Methyl-2-Pentanone	8.573	43	524721	112.201	ug/l	91
52) Toluene	8.720	92	22812	2.341	ug/l	99
59) 2-Hexanone	9.433	43	44176	14.298	ug/l	95
67) Ethyl Benzene	10.195	91	28194	1.500	ug/l	92
68) m/p-Xylenes	10.299	106	45008	6.398	ug/l	98
69) o-Xylene	10.640	106	31287	4.675	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	18878	1.263	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	108941	7.308	ug/l	95

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

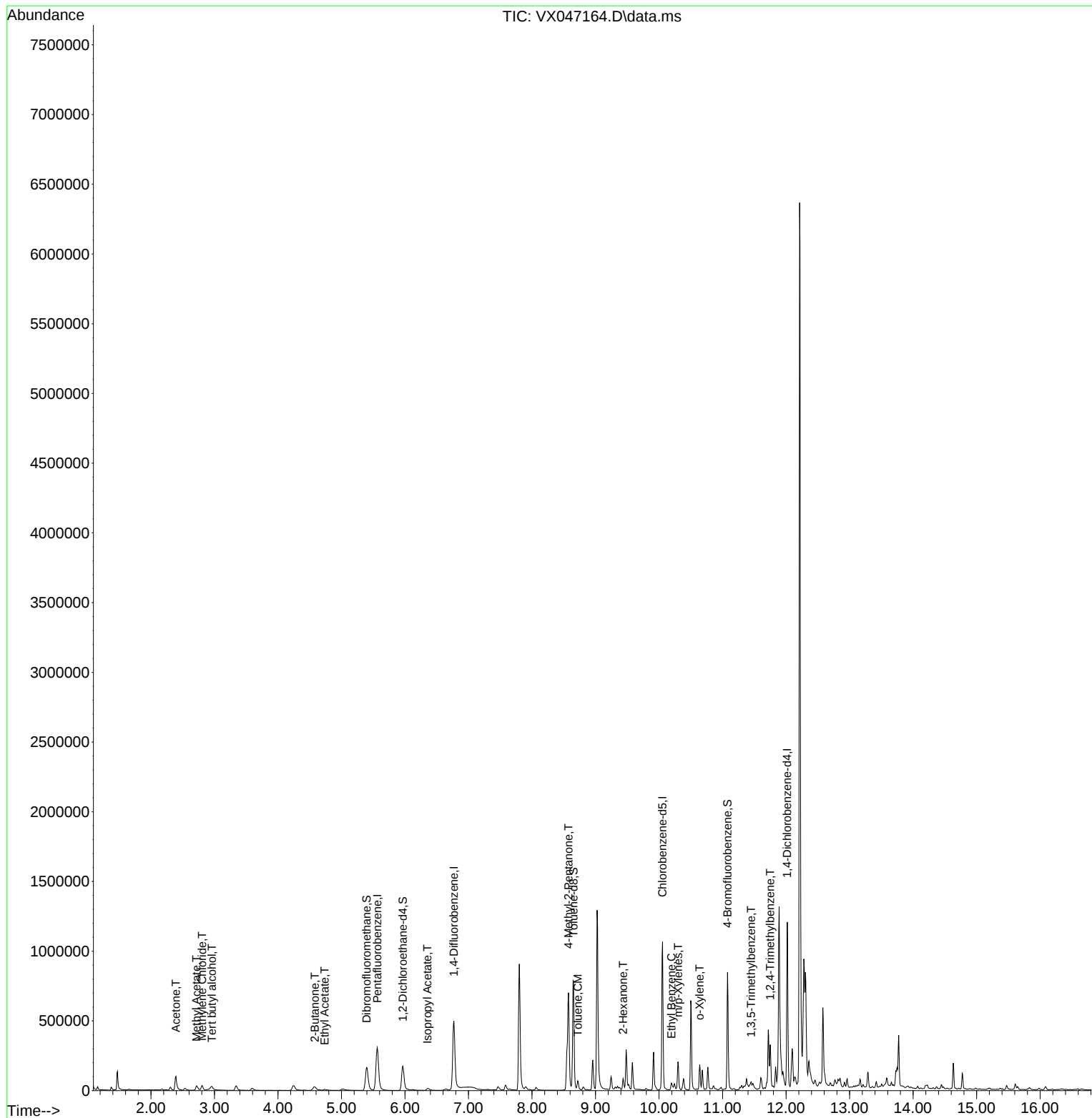
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
Data File : VX047164.D
Acq On : 28 Jul 2025 14:46
Operator : JC/MD
Sample : Q2691-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

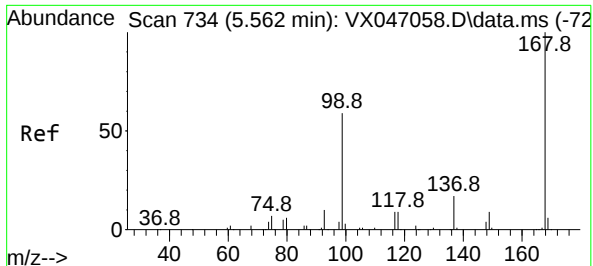
Instrument :
MSVOA_X
ClientSampleId :
299

Quant Time: Jul 29 02:17:27 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

Manual Integrations
APPROVED

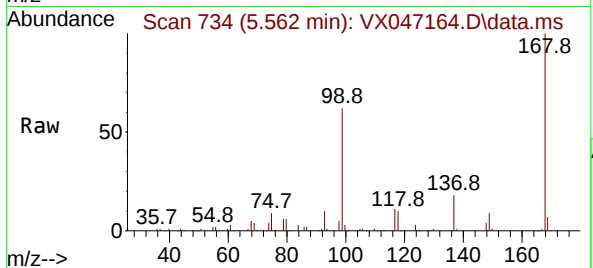
Reviewed By : John Carlone 07/29/2025
Supervised By : Mahesh Dadoda 07/29/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX047164.D
Acq: 28 Jul 2025 14:46

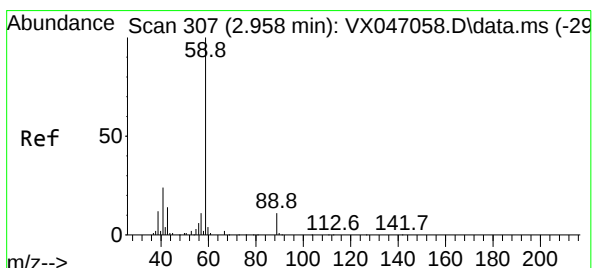
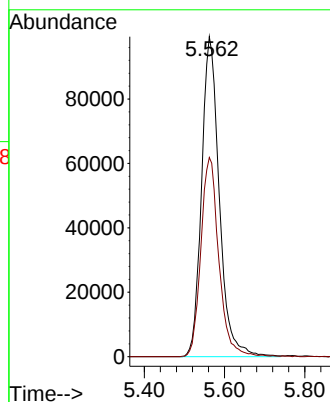
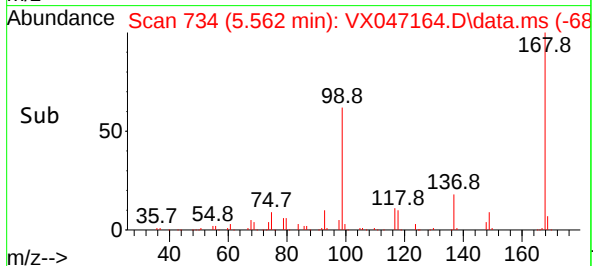
Instrument :
MSVOA_X
ClientSampleId :
299



Tgt Ion:168 Resp: 30459
Ion Ratio Lower Upper
168 100
99 62.2 48.0 72.0

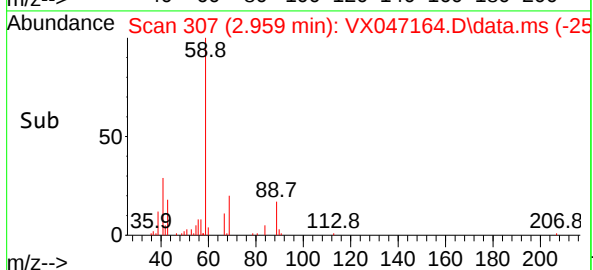
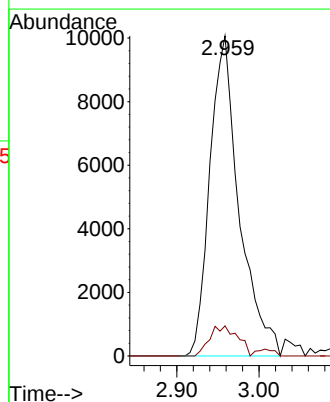
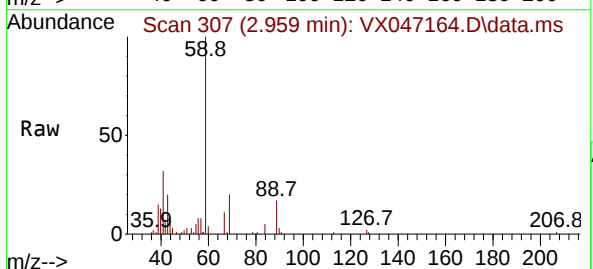
Manual Integrations
APPROVED

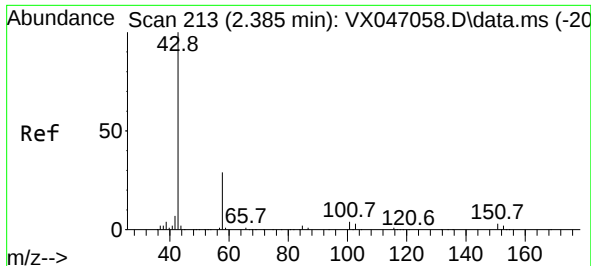
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#11
Tert butyl alcohol
Concen: 47.918 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX047164.D
Acq: 28 Jul 2025 14:46

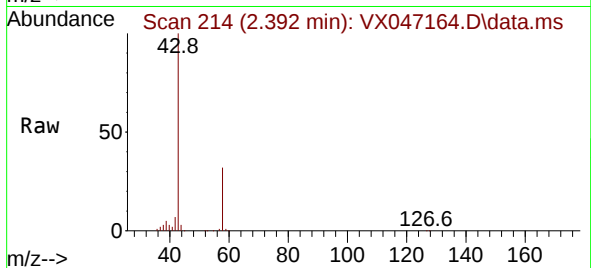
Tgt Ion: 59 Resp: 24942
Ion Ratio Lower Upper
59 100
57 9.1 8.5 12.7





#16
Acetone
Concen: 90.705 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX047164.D
Acq: 28 Jul 2025 14:46

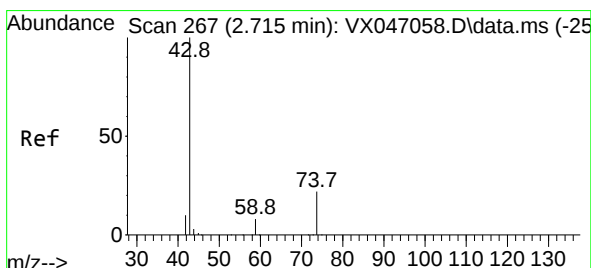
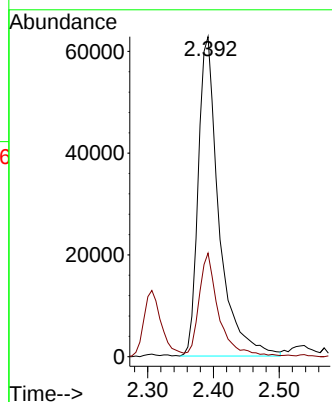
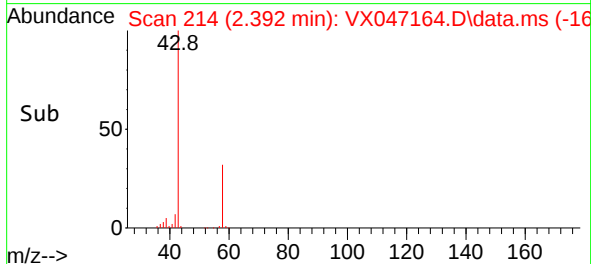
Instrument :
MSVOA_X
ClientSampleId :
299



Tgt Ion: 43 Resp: 137872
Ion Ratio Lower Upper
43 100
58 32.0 24.0 36.0

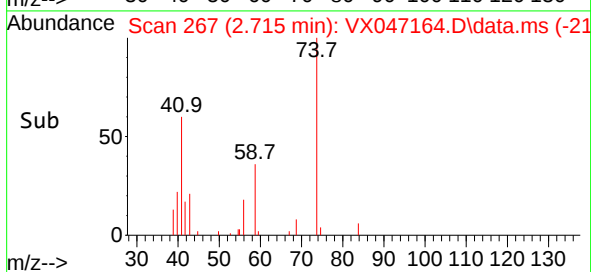
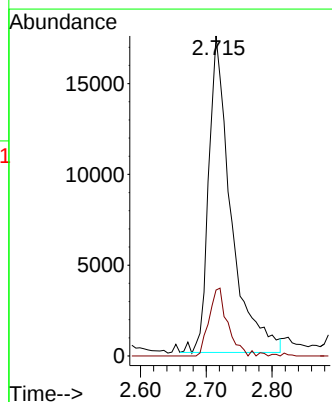
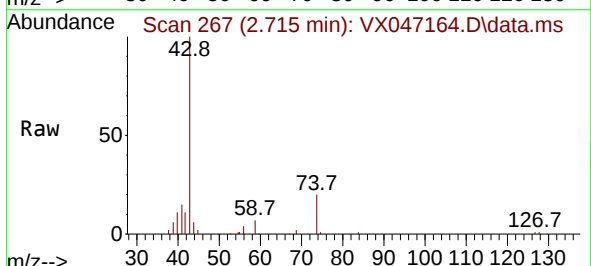
Manual Integrations
APPROVED

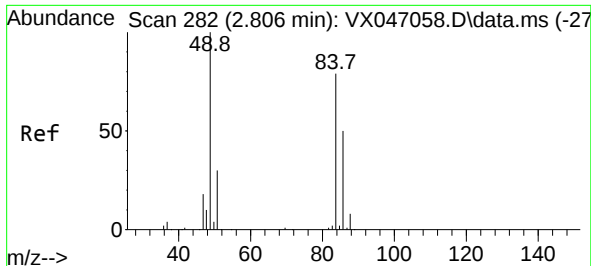
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#18
Methyl Acetate
Concen: 10.179 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047164.D
Acq: 28 Jul 2025 14:46

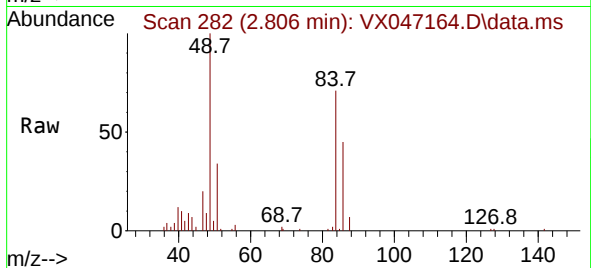
Tgt Ion: 43 Resp: 41118
Ion Ratio Lower Upper
43 100
74 17.6 17.7 26.5#





#20
Methylene Chloride
Concen: 3.639 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047164.D
Acq: 28 Jul 2025 14:46

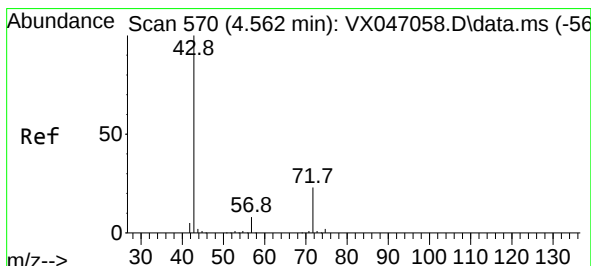
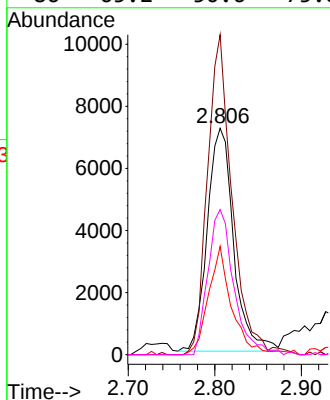
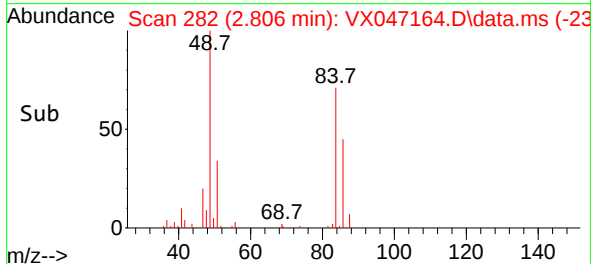
Instrument :
MSVOA_X
ClientSampleId :
299



Tgt Ion: 84 Resp: 15210
Ion Ratio Lower Upper
84 100
49 143.6 101.6 152.4
51 48.6 30.3 45.5
86 65.2 50.6 75.8

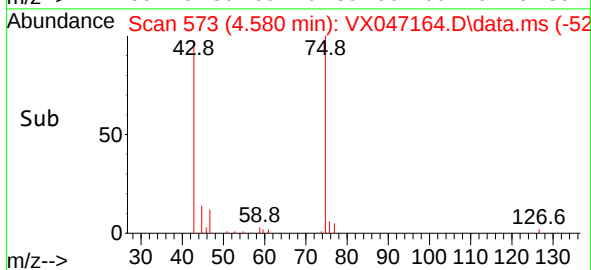
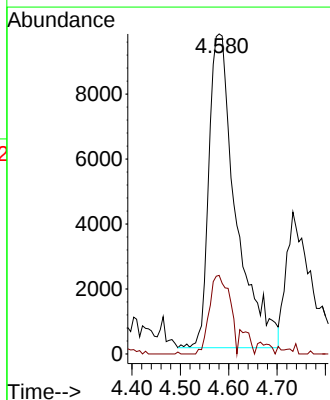
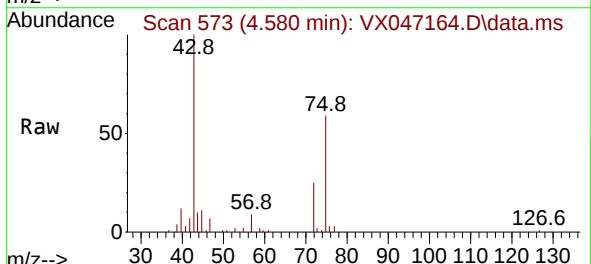
Manual Integrations
APPROVED

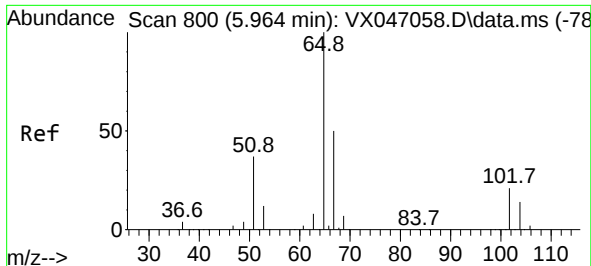
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#25
2-Butanone
Concen: 16.900 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.018 min
Lab File: VX047164.D
Acq: 28 Jul 2025 14:46

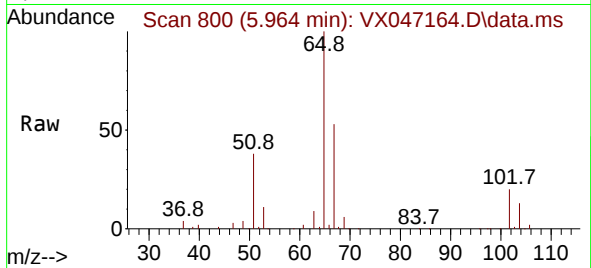
Tgt Ion: 43 Resp: 37405
Ion Ratio Lower Upper
43 100
72 25.0 18.8 28.2





#33
1,2-Dichloroethane-d4
Concen: 49.100 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047164.D
Acq: 28 Jul 2025 14:46

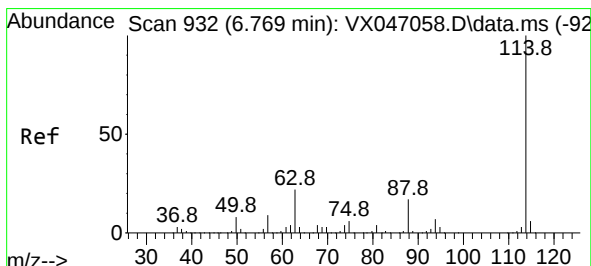
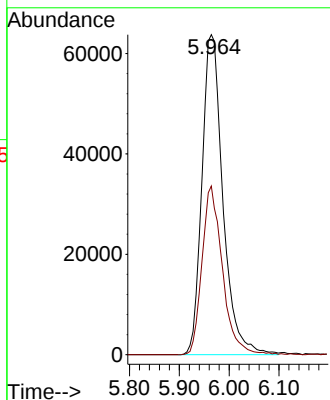
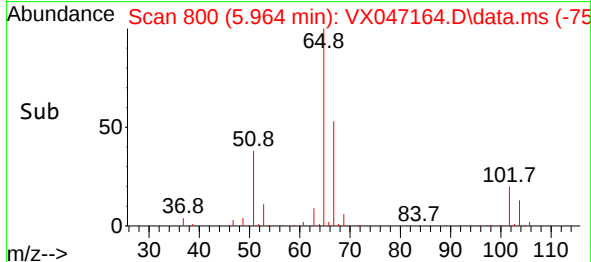
Instrument :
MSVOA_X
ClientSampleId :
299



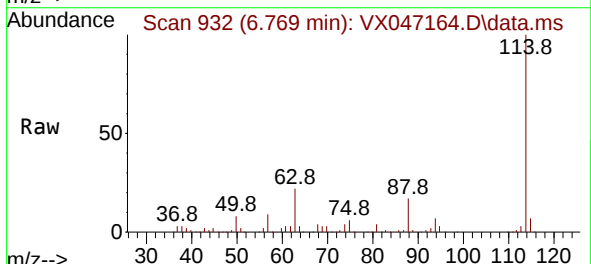
Tgt Ion: 65 Resp: 18630
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.8

Manual Integrations
APPROVED

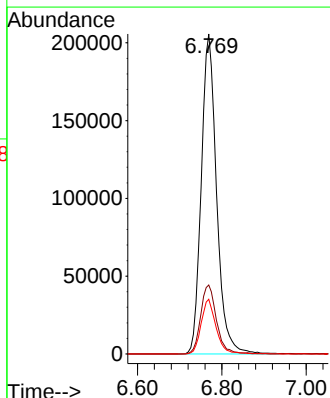
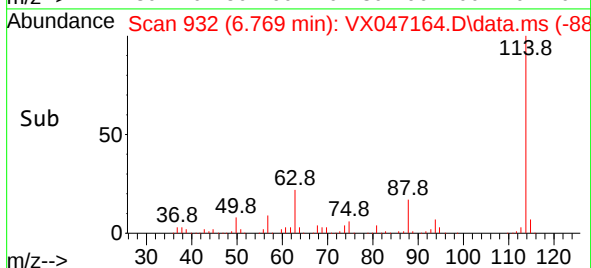
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025

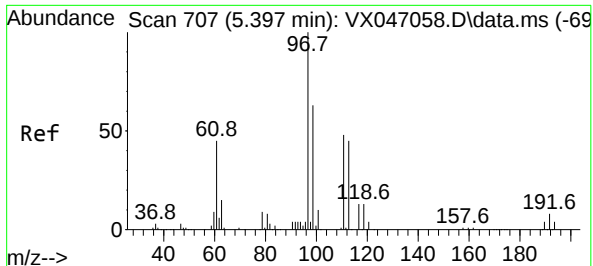


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047164.D
Acq: 28 Jul 2025 14:46



Tgt Ion:114 Resp: 520406
Ion Ratio Lower Upper
114 100
63 21.5 0.0 43.2
88 17.1 0.0 33.8





#35

Dibromofluoromethane

Concen: 49.198 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047164.D

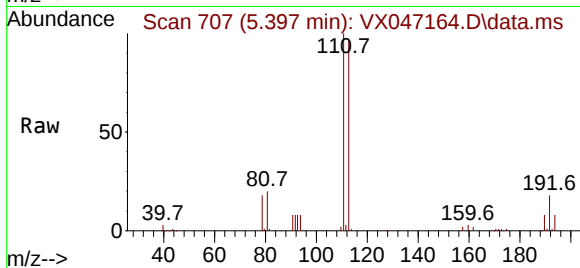
Acq: 28 Jul 2025 14:46

Instrument :

MSVOA_X

ClientSampleId :

299



Tgt Ion:113 Resp: 158080

Ion Ratio Lower Upper

113 100

111 101.0 82.6 124.0

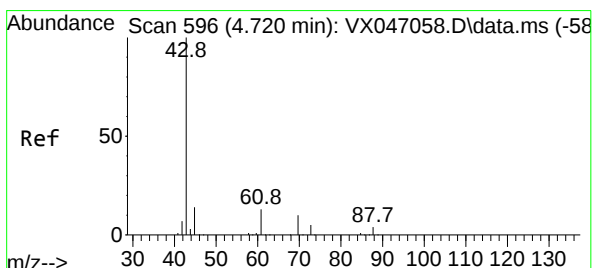
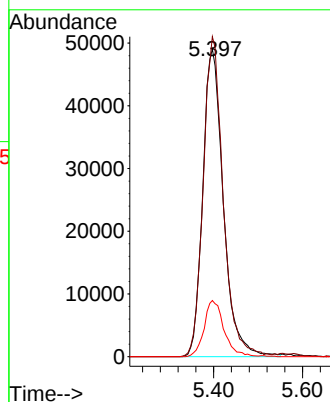
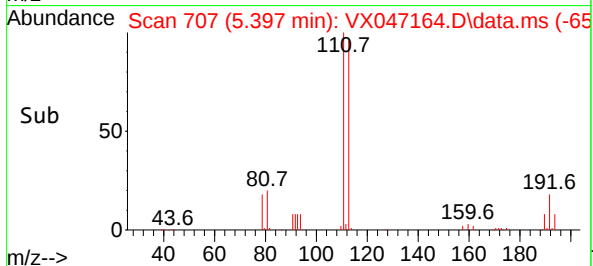
192 17.6 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#37

Ethyl Acetate

Concen: 3.464 ug/l m

RT: 4.733 min Scan# 598

Delta R.T. 0.012 min

Lab File: VX047164.D

Acq: 28 Jul 2025 14:46

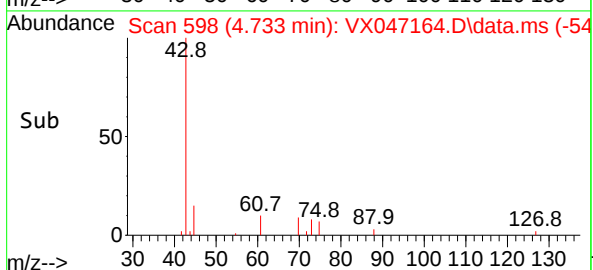
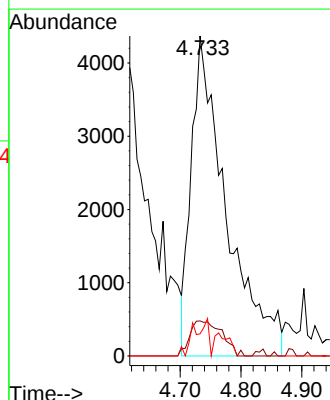
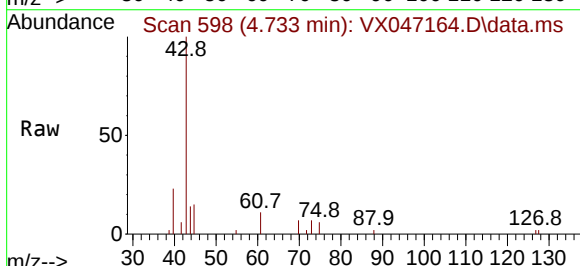
Tgt Ion: 43 Resp: 17483

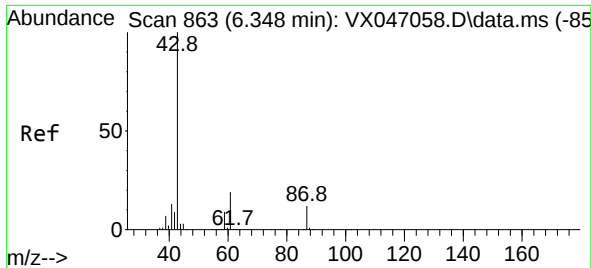
Ion Ratio Lower Upper

43 100

61 10.1 10.2 15.2#

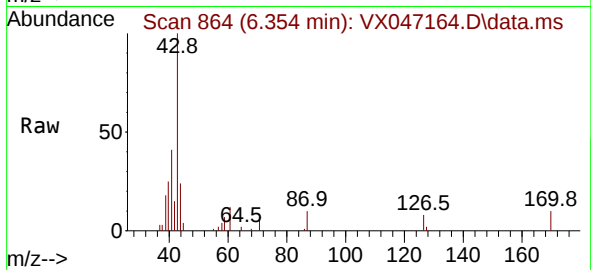
70 2.2 8.1 12.1#





#43
Isopropyl Acetate
Concen: 2.328 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX047164.D
Acq: 28 Jul 2025 14:46

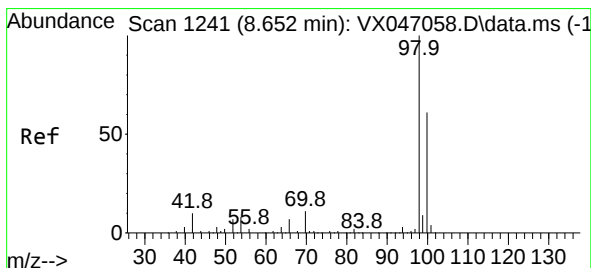
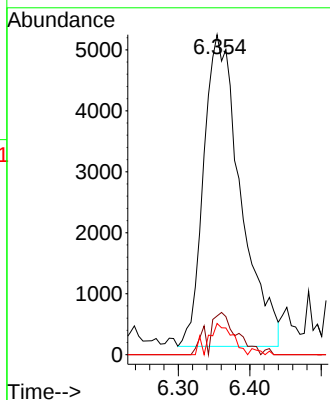
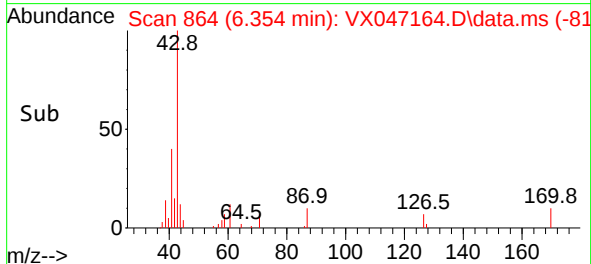
Instrument :
MSVOA_X
ClientSampleId :
299



Tgt Ion: 43 Resp: 18318
Ion Ratio Lower Upper
43 100
61 8.6 15.1 22.7
87 6.4 9.7 14.5

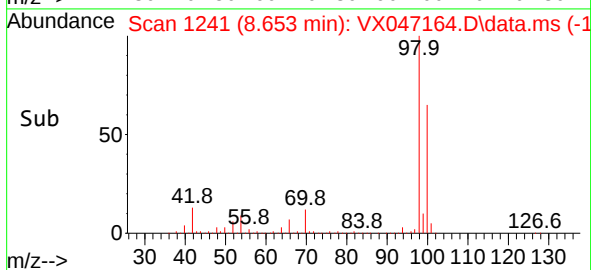
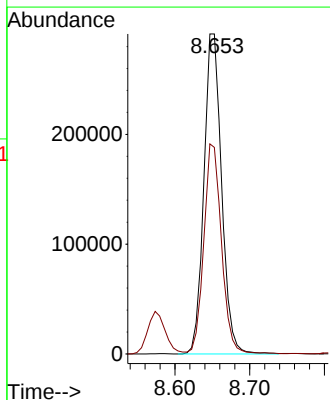
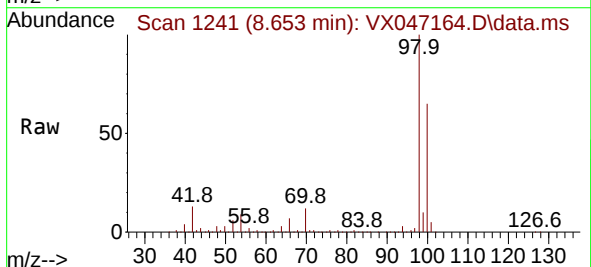
Manual Integrations
APPROVED

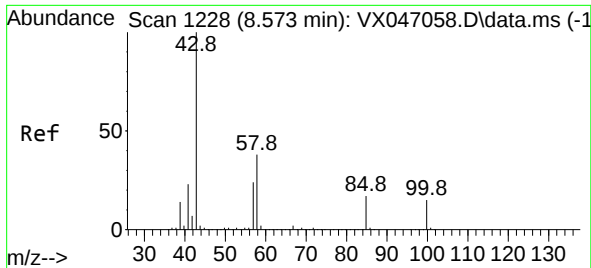
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#50
Toluene-d8
Concen: 46.158 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047164.D
Acq: 28 Jul 2025 14:46

Tgt Ion: 98 Resp: 480309
Ion Ratio Lower Upper
98 100
100 65.3 53.3 79.9





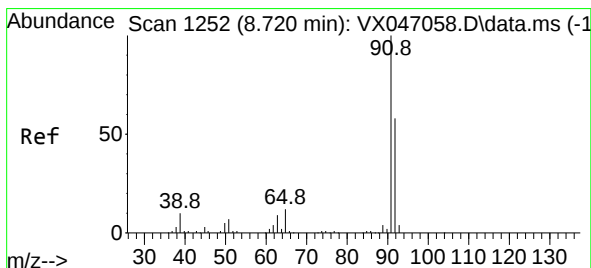
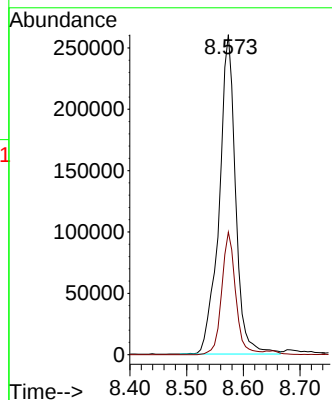
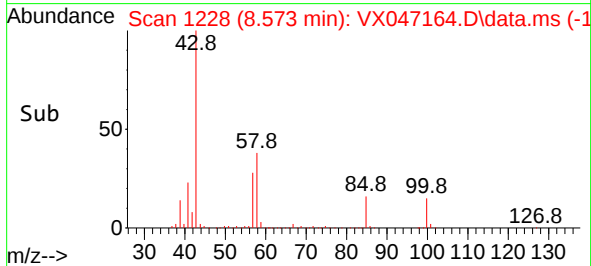
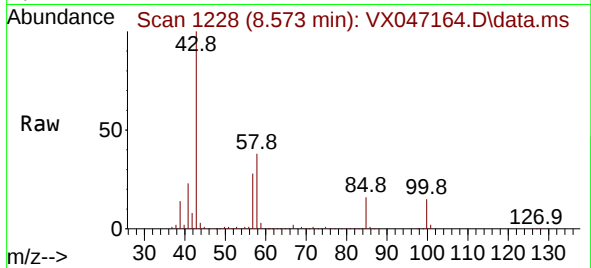
#51
4-Methyl-2-Pentanone
Concen: 112.201 ug/l
RT: 8.573 min Scan# 1122
Delta R.T. 0.000 min
Lab File: VX047164.D
Acq: 28 Jul 2025 14:46

Instrument :
MSVOA_X
ClientSampleId :
299

Tgt Ion: 43 Resp: 52472
Ion Ratio Lower Upper
43 100
58 32.6 30.6 45.8

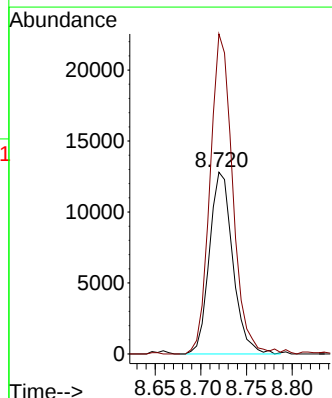
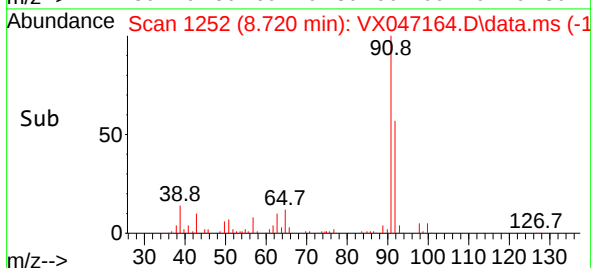
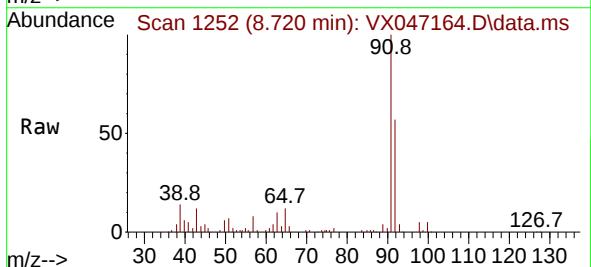
Manual Integrations
APPROVED

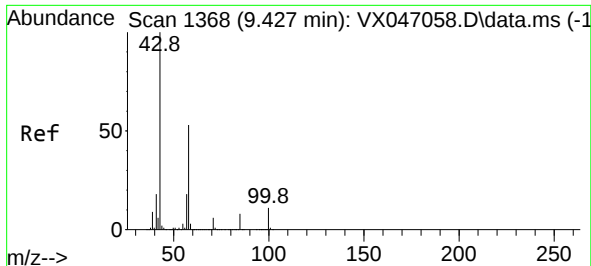
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#52
Toluene
Concen: 2.341 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047164.D
Acq: 28 Jul 2025 14:46

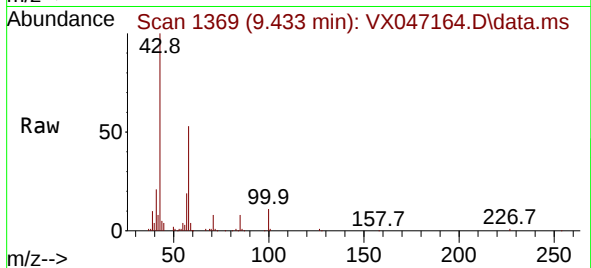
Tgt Ion: 92 Resp: 22812
Ion Ratio Lower Upper
92 100
91 171.0 137.9 206.9





#59
2-Hexanone
Concen: 14.298 ug/l
RT: 9.433 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047164.D
Acq: 28 Jul 2025 14:46

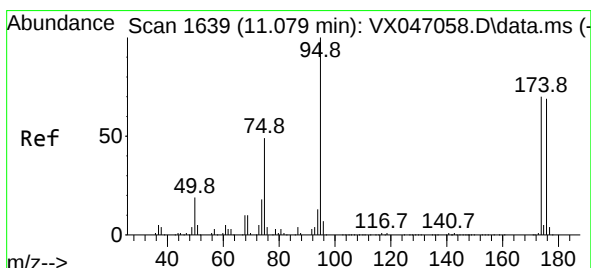
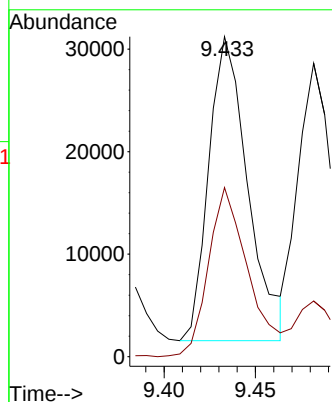
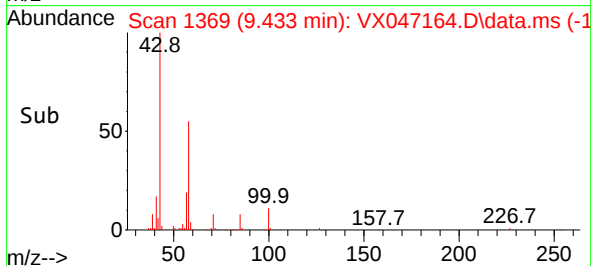
Instrument :
MSVOA_X
ClientSampleId :
299



Tgt Ion: 43 Resp: 44170
Ion Ratio Lower Upper
43 100
58 56.2 26.5 79.5

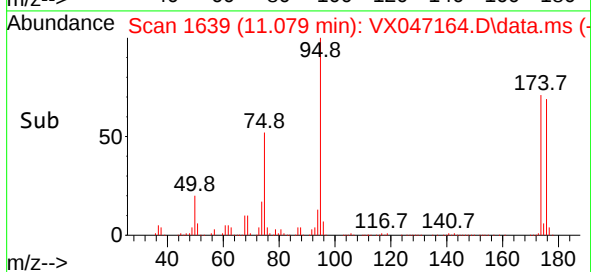
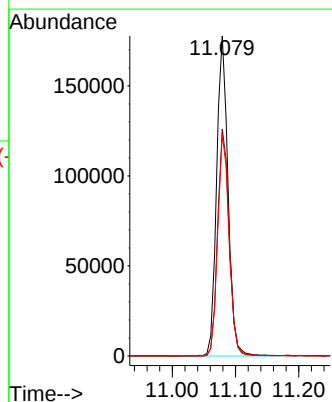
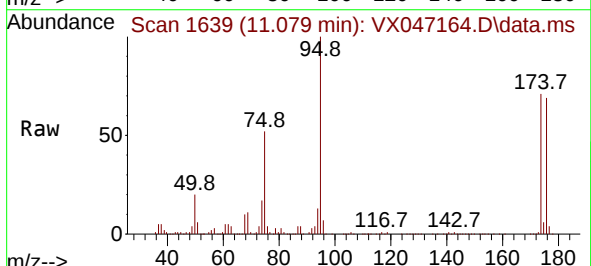
Manual Integrations
APPROVED

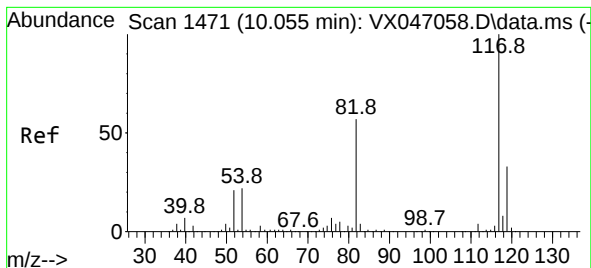
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#62
4-Bromofluorobenzene
Concen: 49.703 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047164.D
Acq: 28 Jul 2025 14:46

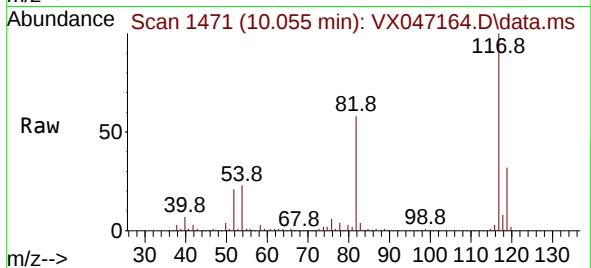
Tgt Ion: 95 Resp: 222883
Ion Ratio Lower Upper
95 100
174 71.8 0.0 144.6
176 68.9 0.0 139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047164.D
Acq: 28 Jul 2025 14:46

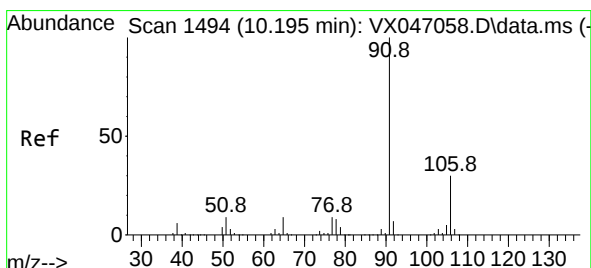
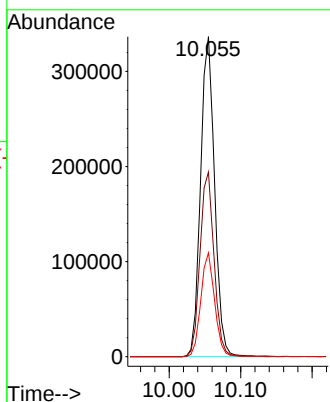
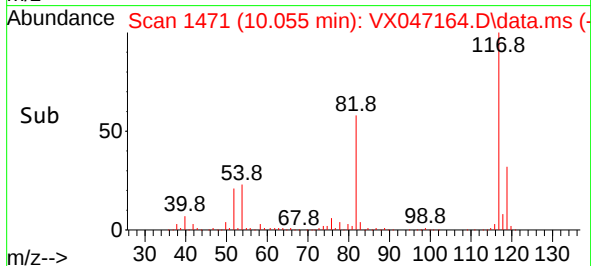
Instrument :
MSVOA_X
ClientSampleId :
299



Tgt Ion: 117 Resp: 458923
Ion Ratio Lower Upper
117 100
82 57.7 45.4 68.2
119 32.4 26.1 39.1

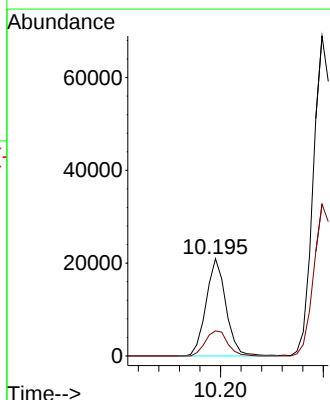
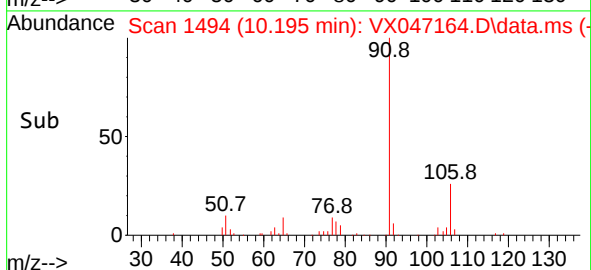
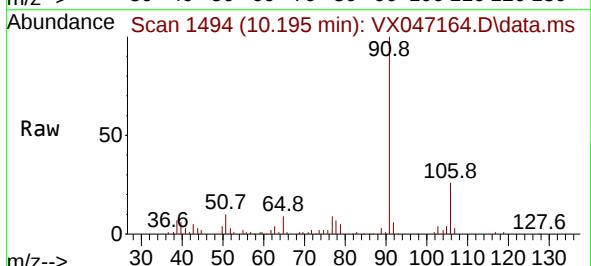
Manual Integrations
APPROVED

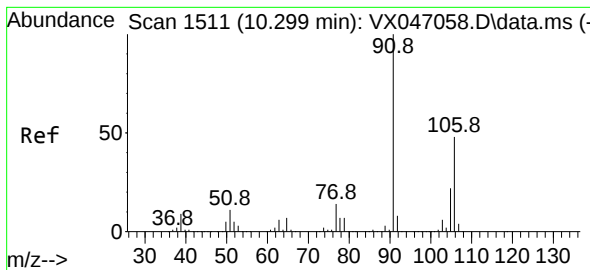
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#67
Ethyl Benzene
Concen: 1.500 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047164.D
Acq: 28 Jul 2025 14:46

Tgt Ion: 91 Resp: 28194
Ion Ratio Lower Upper
91 100
106 25.8 24.2 36.4





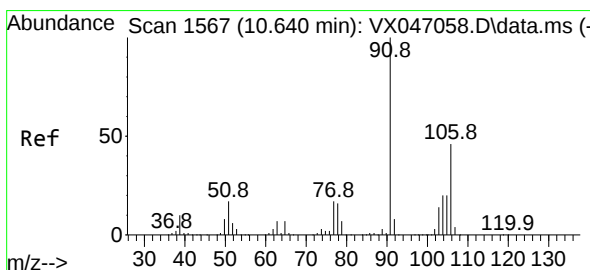
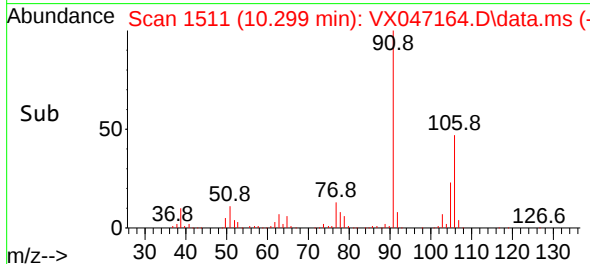
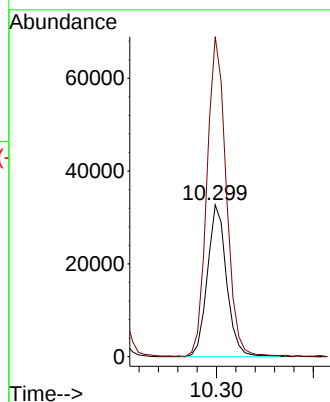
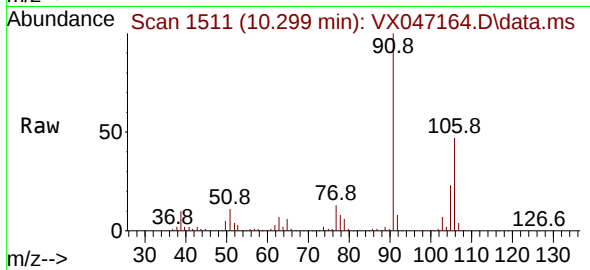
#68
m/p-Xylenes
Concen: 6.398 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047164.D
Acq: 28 Jul 2025 14:46

Instrument :
MSVOA_X
ClientSampleId :
299

Tgt Ion:106 Resp: 45000
Ion Ratio Lower Upper
106 100
91 211.8 167.4 251.0

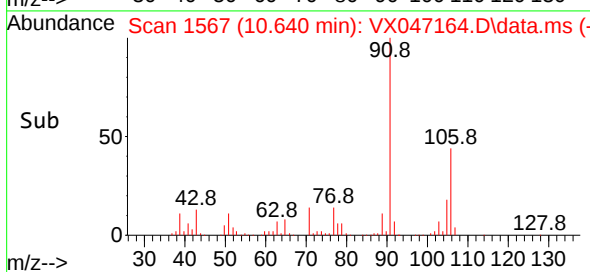
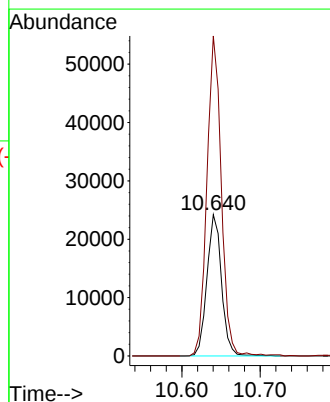
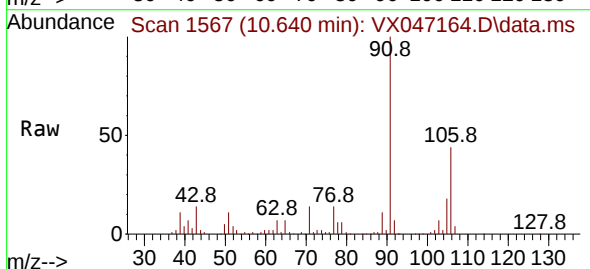
Manual Integrations
APPROVED

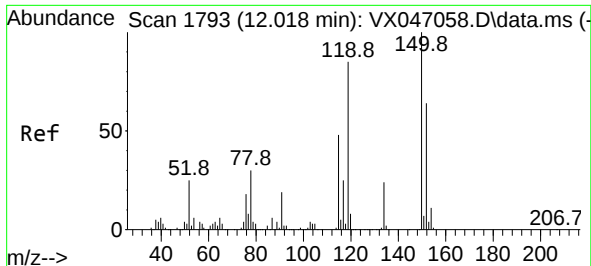
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#69
o-Xylene
Concen: 4.675 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047164.D
Acq: 28 Jul 2025 14:46

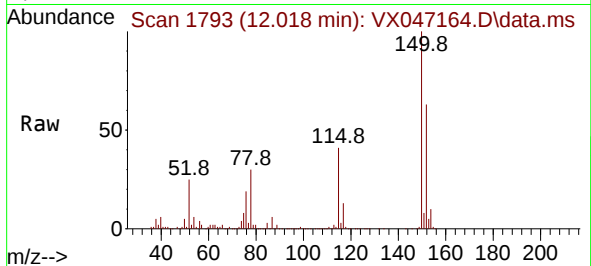
Tgt Ion:106 Resp: 31287
Ion Ratio Lower Upper
106 100
91 223.2 110.3 331.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047164.D
 Acq: 28 Jul 2025 14:46

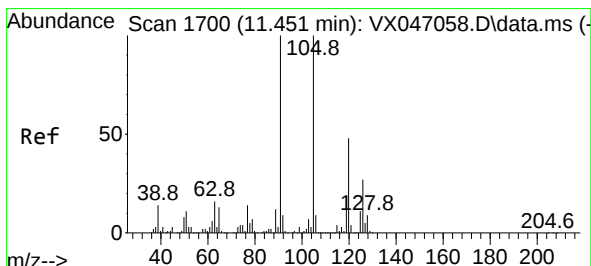
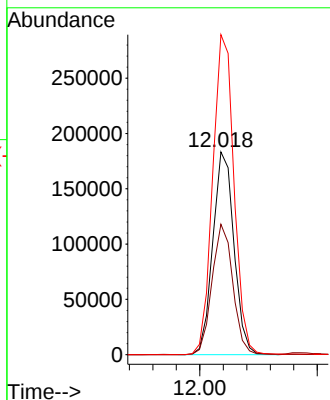
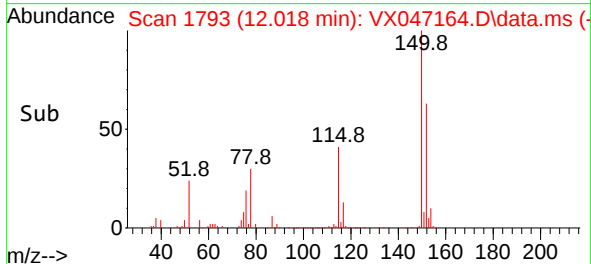
Instrument :
 MSVOA_X
 ClientSampleId :
 299



Tgt Ion:152 Resp: 229300
 Ion Ratio Lower Upper
 152 100
 115 63.1 45.6 136.7
 150 158.8 0.0 354.6

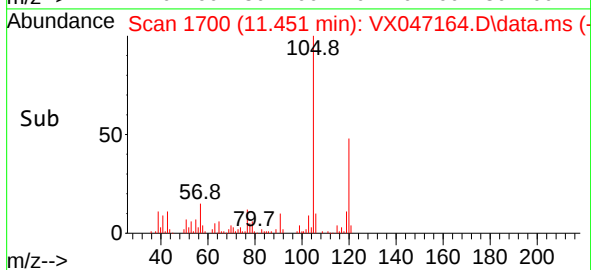
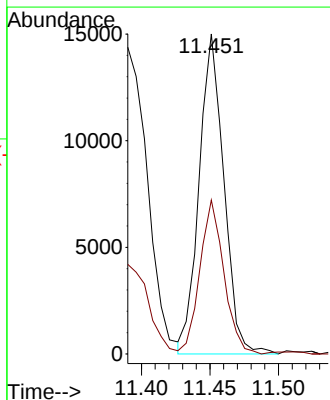
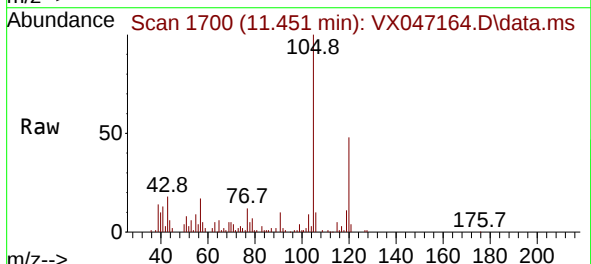
Manual Integrations
 APPROVED

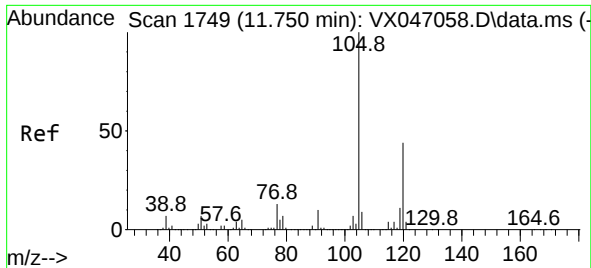
Reviewed By :John Carlone 07/29/2025
 Supervised By :Mahesh Dadoda 07/29/2025



#80
 1,3,5-Trimethylbenzene
 Concen: 1.263 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX047164.D
 Acq: 28 Jul 2025 14:46

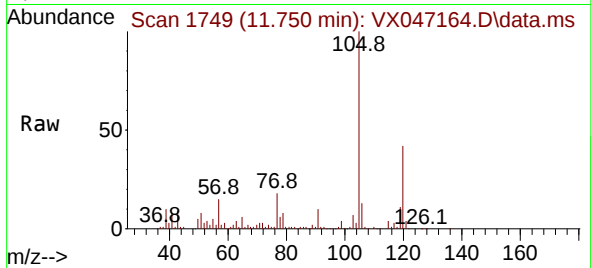
Tgt Ion:105 Resp: 18878
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.8 71.5





#84
 1,2,4-Trimethylbenzene
 Concen: 7.308 ug/l
 RT: 11.750 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047164.D
 Acq: 28 Jul 2025 14:46

Instrument :
 MSVOA_X
 ClientSampleId :
 299



Tgt Ion:105 Resp: 10894
 Ion Ratio Lower Upper
 105 100
 120 40.7 22.0 66.0

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/29/2025
 Supervised By :Mahesh Dadoda 07/29/2025

