

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071825\
 Data File : VX047051.D
 Acq On : 18 Jul 2025 15:42
 Operator : JC/MD
 Sample : Q2646-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FRAC TANK

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/21/2025
 Supervised By :Mahesh Dadoda 07/21/2025

Quant Time: Jul 19 04:25:58 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

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	438617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	790915	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	743630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	361893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	316066	54.545	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.100%			
35) Dibromofluoromethane	5.397	113	262014	48.804	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.600%			
50) Toluene-d8	8.647	98	948476	50.072	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.140%			
62) 4-Bromofluorobenzene	11.079	95	380567	52.863	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.720%			
Target Compounds						
					Qvalue	
13) Acrolein	2.246	56	3238	10.458	ug/l	95
16) Acetone	2.392	43	24137	13.410	ug/l	94
17) Carbon Disulfide	2.544	76	30163	2.418	ug/l	97
20) Methylene Chloride	2.806	84	1540	0.289	ug/l #	84
25) 2-Butanone	4.568	43	237777	99.015	ug/l	98
68) m/p-Xylenes	10.305	106	5304	0.511	ug/l	91
69) o-Xylene	10.646	106	3300	0.329	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	6361	0.308	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	29501	1.412	ug/l	97
89) n-Butylbenzene	12.329	91	4628m	0.219	ug/l	
95) Naphthalene	13.774	128	7697	0.374	ug/l #	92

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

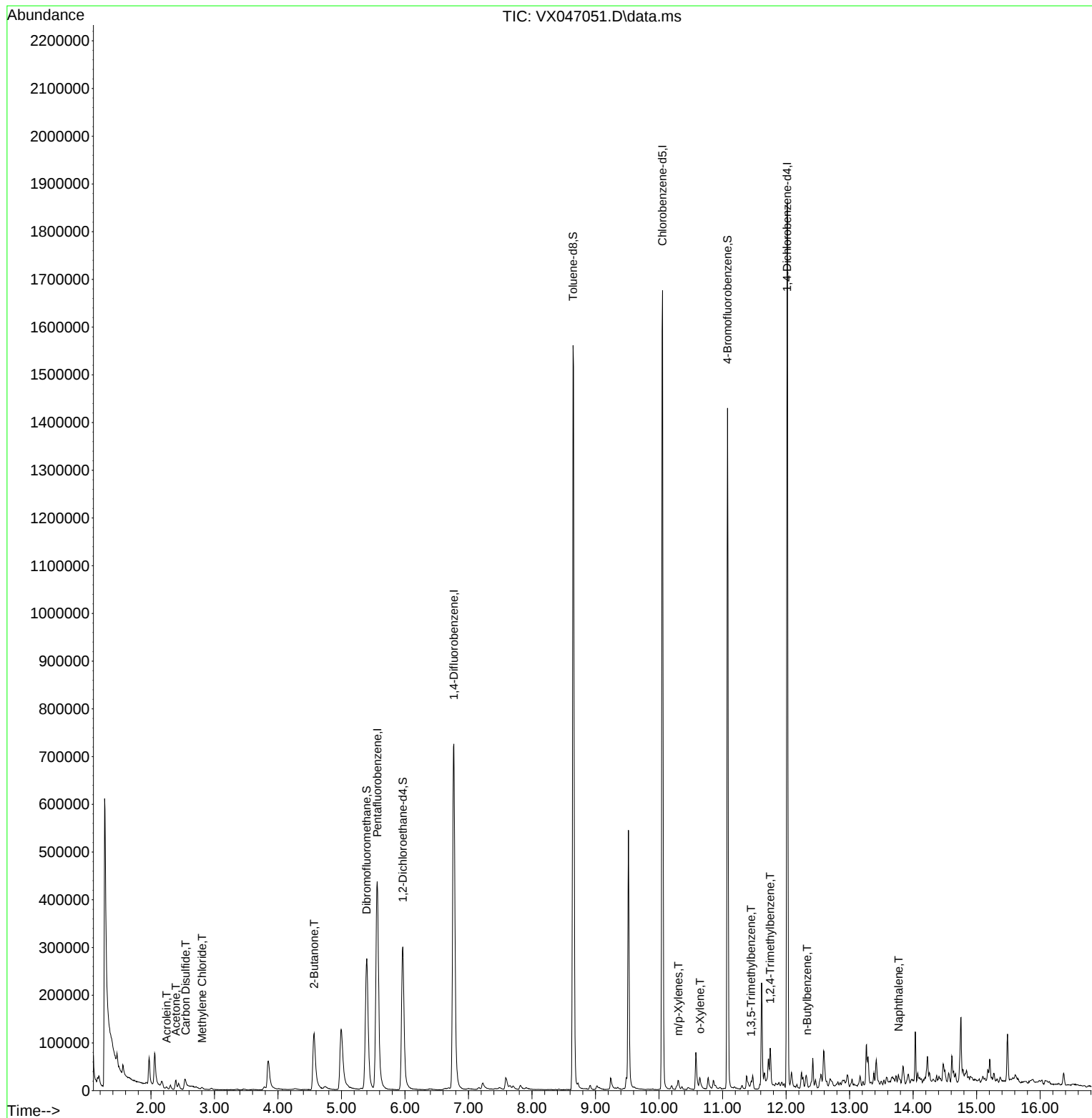
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071825\
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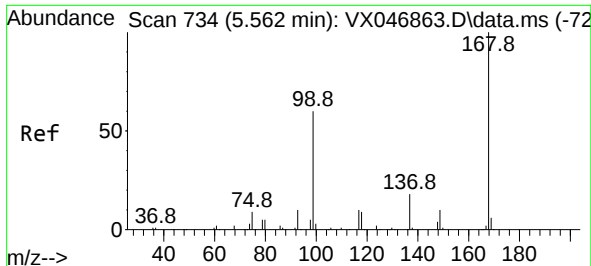
Instrument :
MSVOA_X
ClientSampleId :
FRAC TANK

Quant Time: Jul 19 04:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
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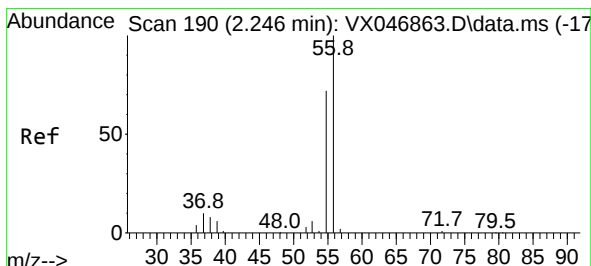
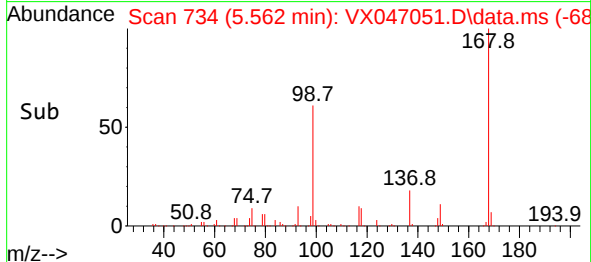
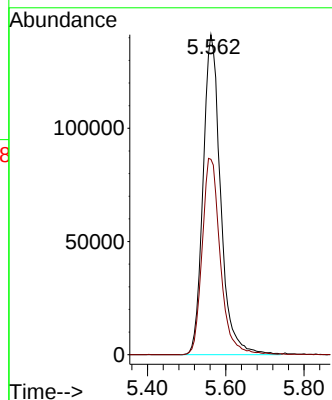
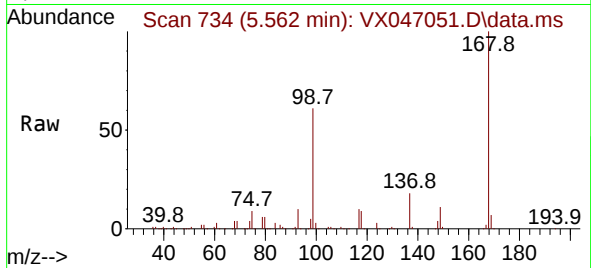
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047051.D
Acq: 18 Jul 2025 15:42

Instrument :
MSVOA_X
ClientSampleId :
FRAC TANK

Tgt Ion:168 Resp: 43861
Ion Ratio Lower Upper
168 100
99 61.0 48.8 73.2

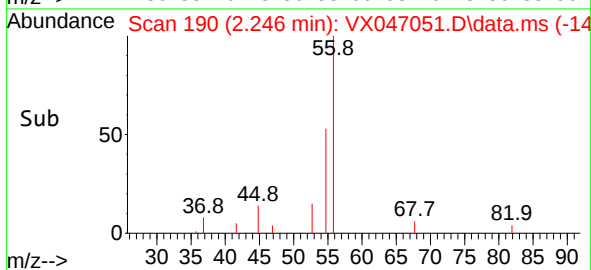
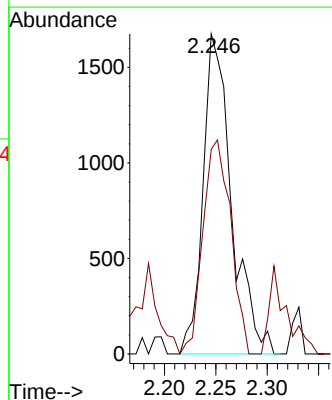
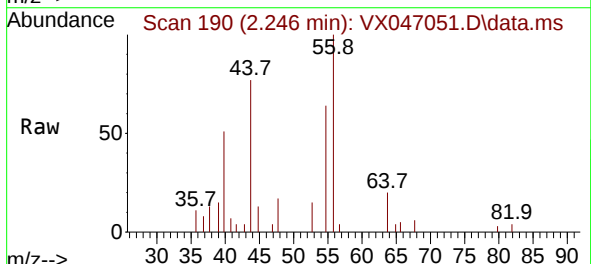
Manual Integrations
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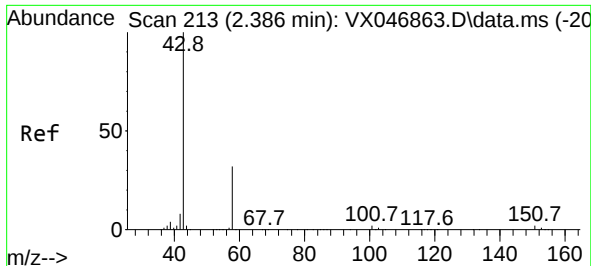
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#13
Acrolein
Concen: 10.458 ug/l
RT: 2.246 min Scan# 190
Delta R.T. -0.000 min
Lab File: VX047051.D
Acq: 18 Jul 2025 15:42

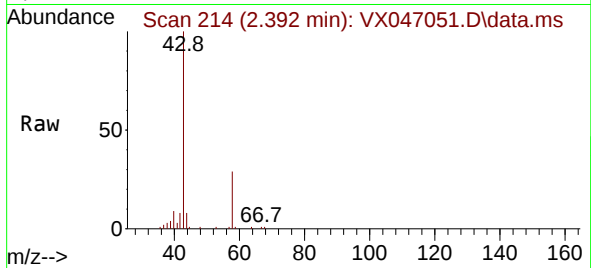
Tgt Ion: 56 Resp: 3238
Ion Ratio Lower Upper
56 100
55 65.1 55.5 83.3





#16
Acetone
Concen: 13.410 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX047051.D
Acq: 18 Jul 2025 15:42

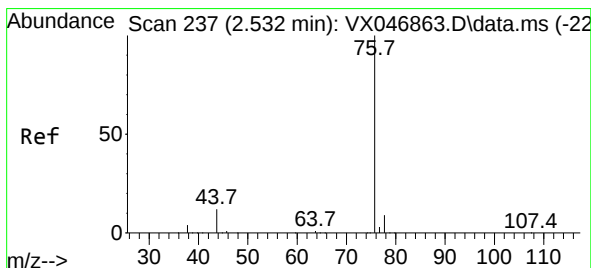
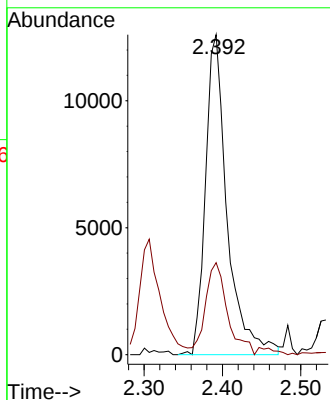
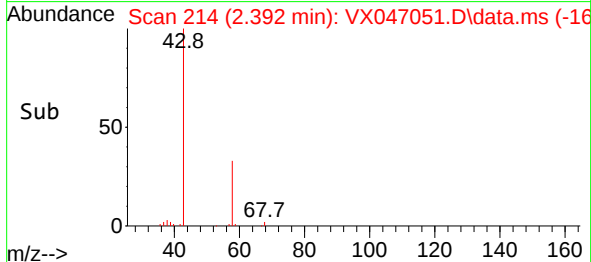
Instrument :
MSVOA_X
ClientSampleId :
FRAC TANK



Tgt Ion: 43 Resp: 2413
Ion Ratio Lower Upper
43 100
58 28.8 25.8 38.6

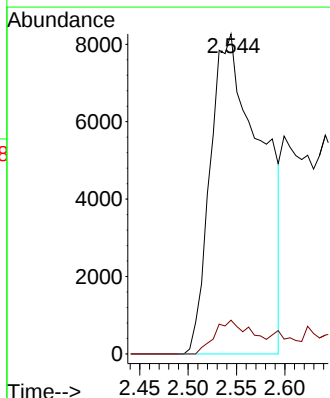
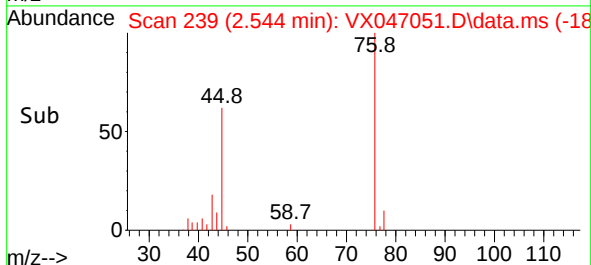
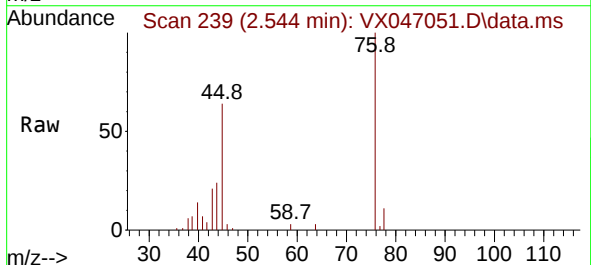
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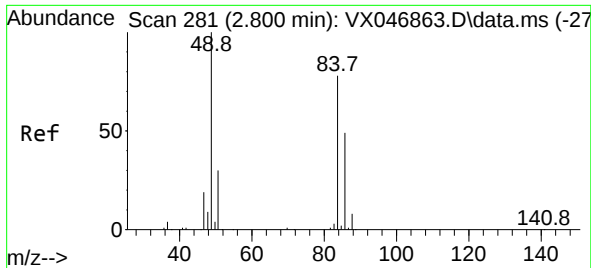
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#17
Carbon Disulfide
Concen: 2.418 ug/l
RT: 2.544 min Scan# 239
Delta R.T. 0.012 min
Lab File: VX047051.D
Acq: 18 Jul 2025 15:42

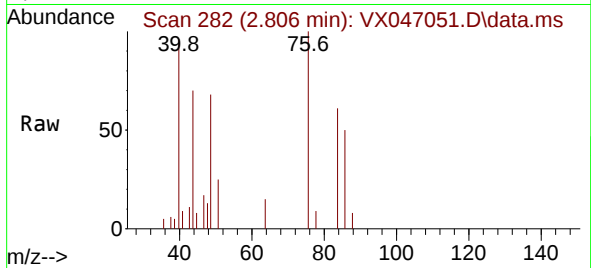
Tgt Ion: 76 Resp: 30163
Ion Ratio Lower Upper
76 100
78 10.6 7.4 11.2





#20
Methylene Chloride
Concen: 0.289 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047051.D
Acq: 18 Jul 2025 15:42

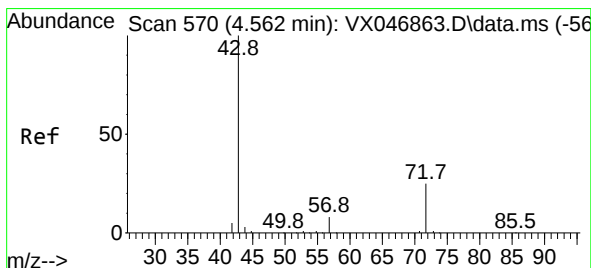
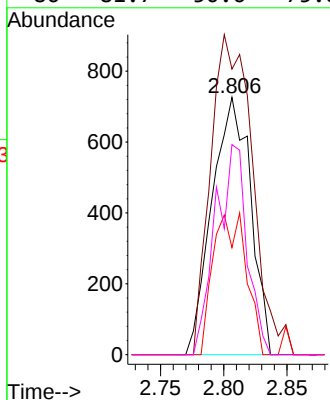
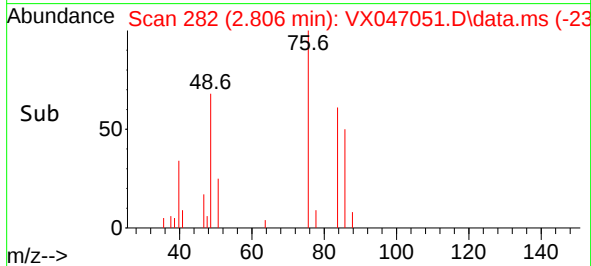
Instrument :
MSVOA_X
ClientSampleId :
FRAC TANK



Tgt Ion: 84 Resp: 1540
Ion Ratio Lower Upper
84 100
49 111.0 102.8 154.2
51 41.6 31.1 46.7
86 81.7 50.6 75.8#

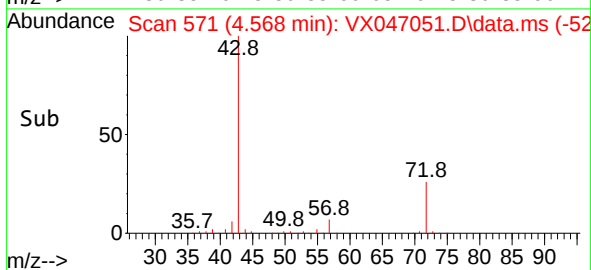
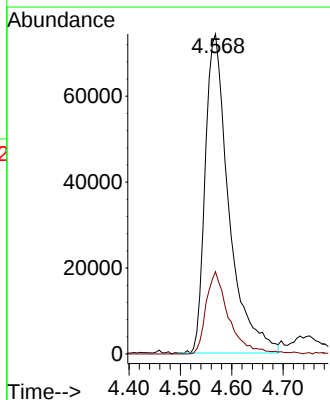
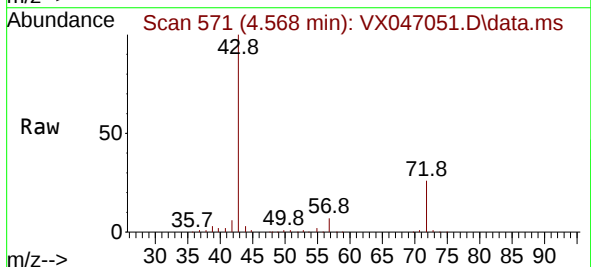
Manual Integrations
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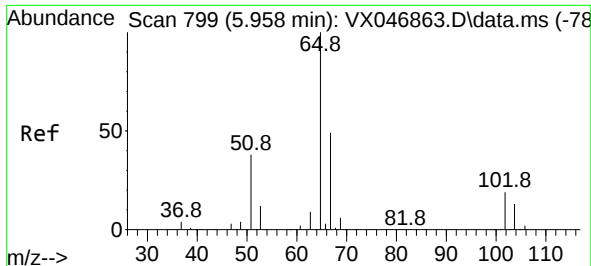
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#25
2-Butanone
Concen: 99.015 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX047051.D
Acq: 18 Jul 2025 15:42

Tgt Ion: 43 Resp: 237777
Ion Ratio Lower Upper
43 100
72 26.0 20.0 30.0





#33
1,2-Dichloroethane-d4
Concen: 54.545 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX047051.D
Acq: 18 Jul 2025 15:42

Instrument :

MSVOA_X

ClientSampleId :

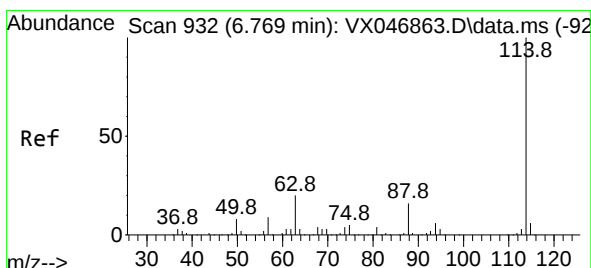
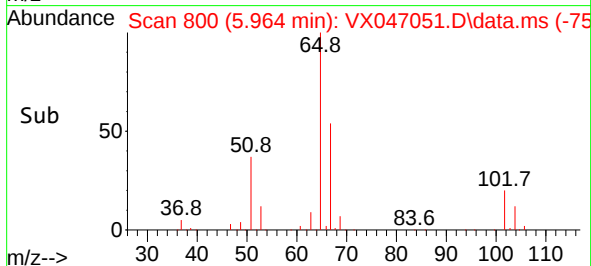
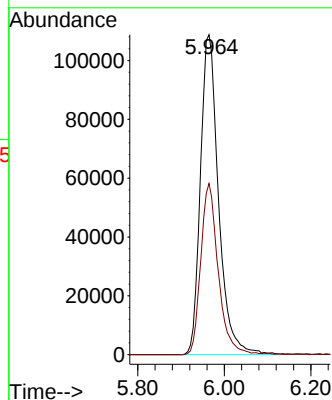
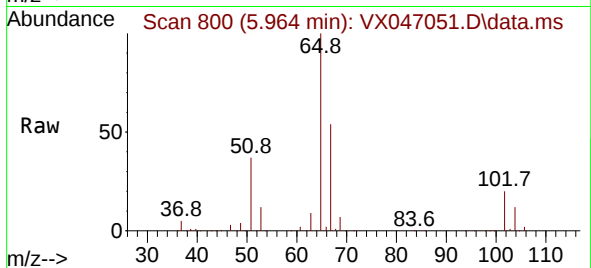
FRAC TANK

Tgt Ion: 65 Resp: 31606
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.2

Manual Integrations

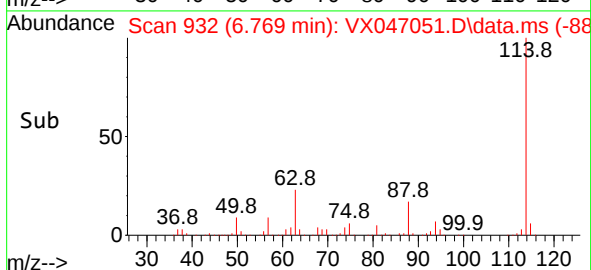
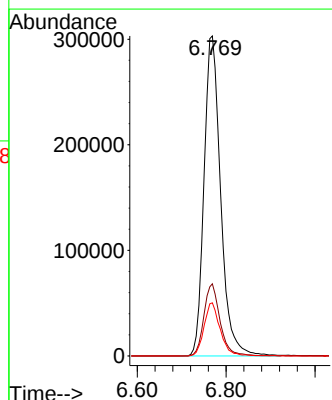
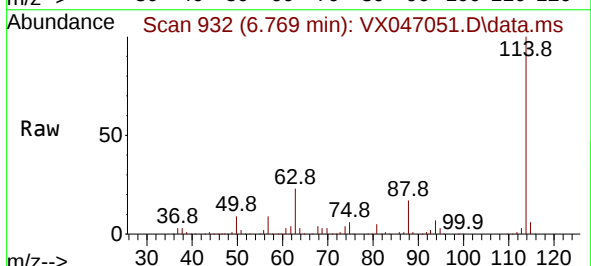
APPROVED

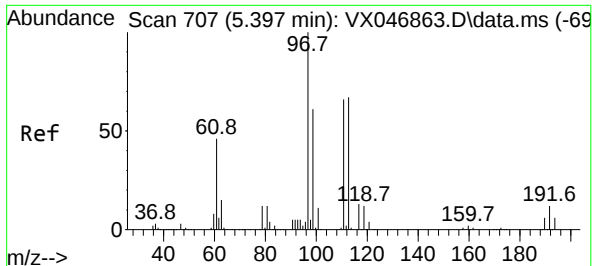
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047051.D
Acq: 18 Jul 2025 15:42

Tgt Ion:114 Resp: 790915
Ion Ratio Lower Upper
114 100
63 22.6 0.0 40.4
88 16.6 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.804 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX047051.D

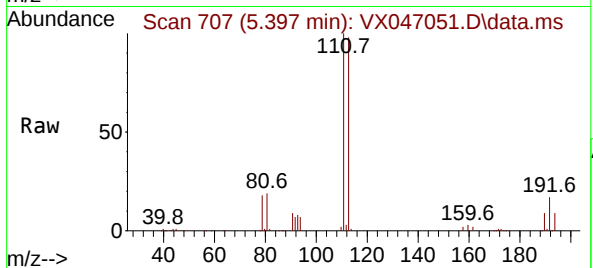
Acq: 18 Jul 2025 15:42

Instrument :

MSVOA_X

ClientSampleId :

FRAC TANK



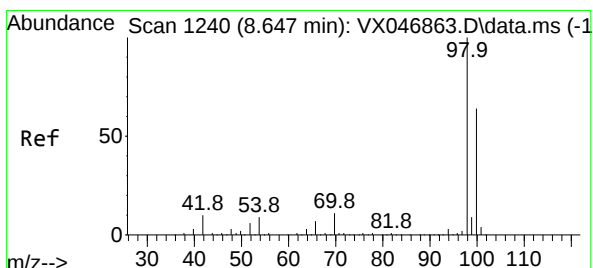
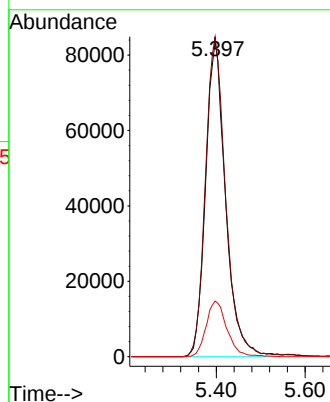
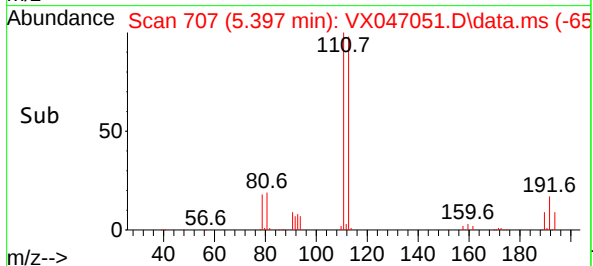
Tgt Ion:	113	Resp:	262014
Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.2	121.8
192	18.4	15.3	22.9

Manual Integrations

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Reviewed By :John Carlone 07/21/2025

Supervised By :Mahesh Dadoda 07/21/2025



#50

Toluene-d8

Concen: 50.072 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX047051.D

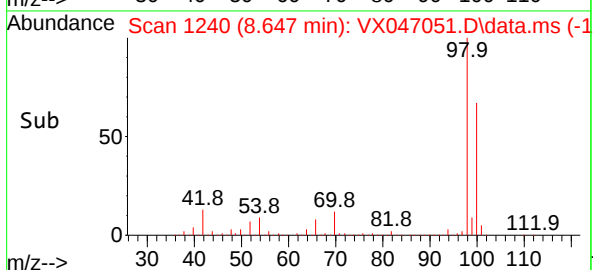
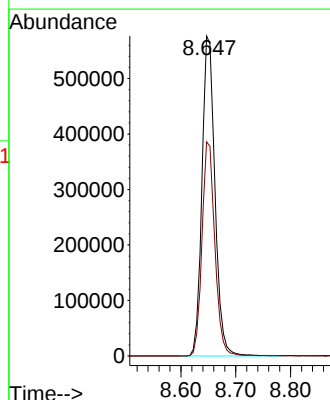
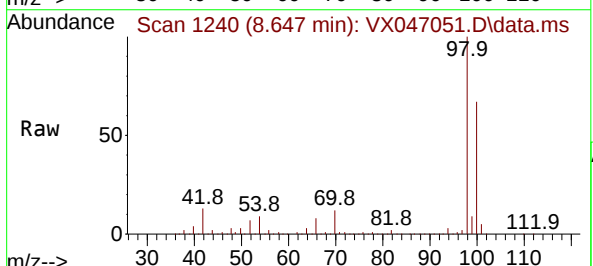
Acq: 18 Jul 2025 15:42

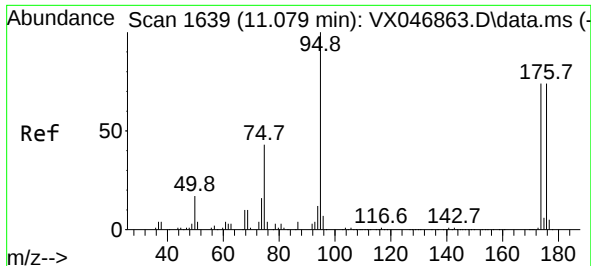
Tgt Ion: 98 Resp: 948476

Ion Ratio Lower Upper

98 100

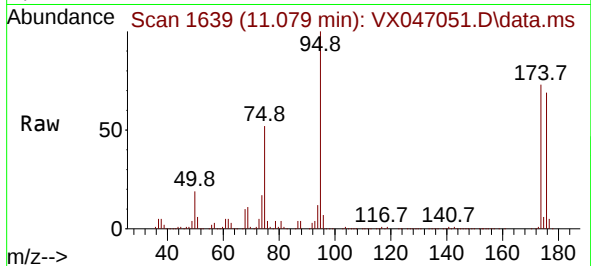
100 66.3 53.0 79.6





#62
4-Bromofluorobenzene
Concen: 52.863 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX047051.D
Acq: 18 Jul 2025 15:42

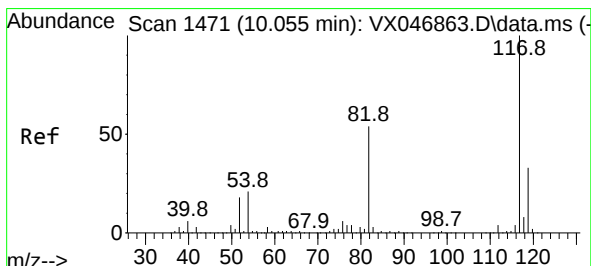
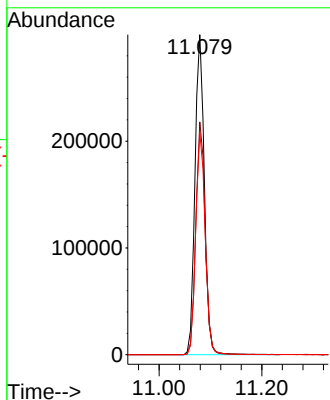
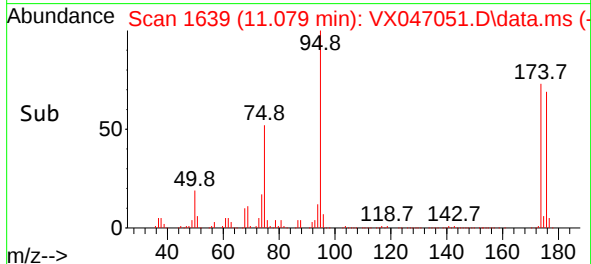
Instrument :
MSVOA_X
ClientSampleId :
FRAC TANK



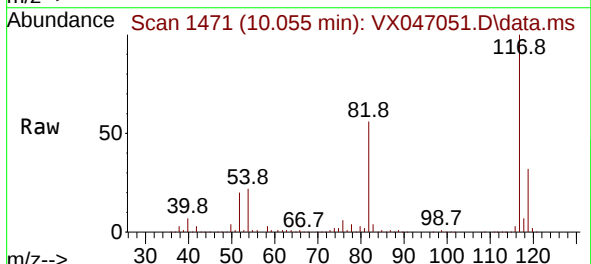
Tgt Ion: 95 Resp: 38056
Ion Ratio Lower Upper
95 100
174 72.6 0.0 152.0
176 70.3 0.0 145.2

Manual Integrations
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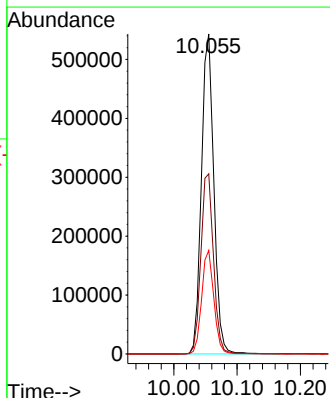
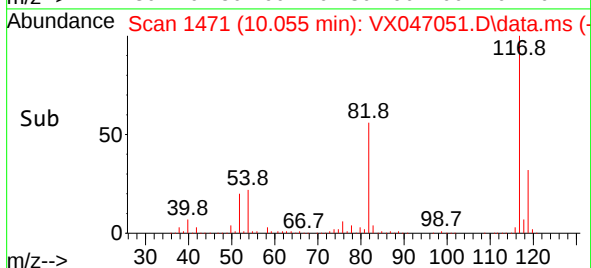
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

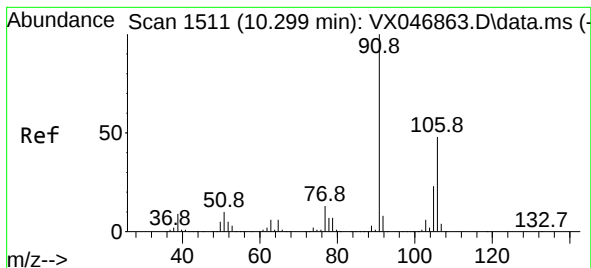


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX047051.D
Acq: 18 Jul 2025 15:42



Tgt Ion:117 Resp: 743630
Ion Ratio Lower Upper
117 100
82 56.3 43.3 64.9
119 32.4 26.4 39.6





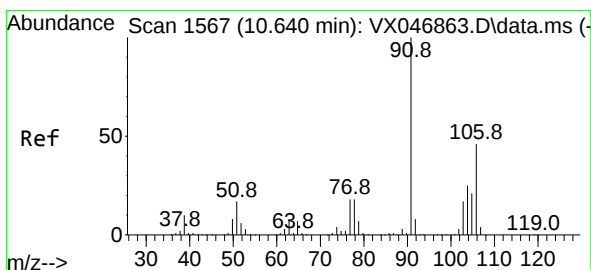
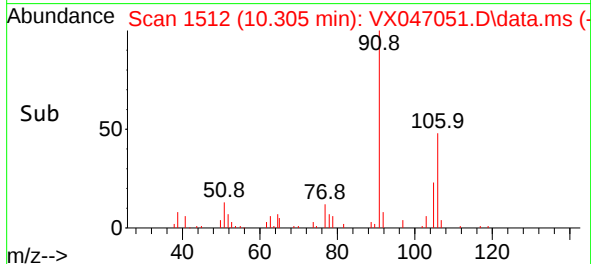
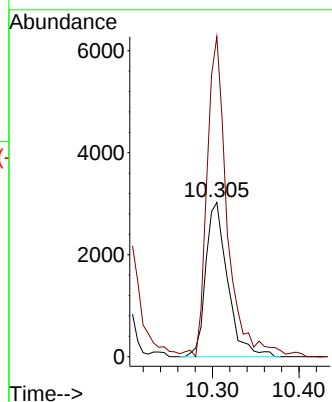
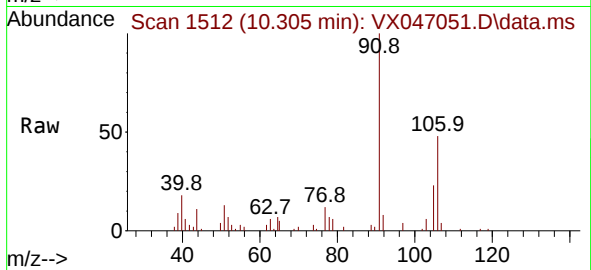
#68
m/p-Xylenes
Concen: 0.511 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX047051.D
Acq: 18 Jul 2025 15:42

Instrument :
MSVOA_X
ClientSampleId :
FRAC TANK

Tgt Ion:106 Resp: 5304
Ion Ratio Lower Upper
106 100
91 192.6 164.6 246.8

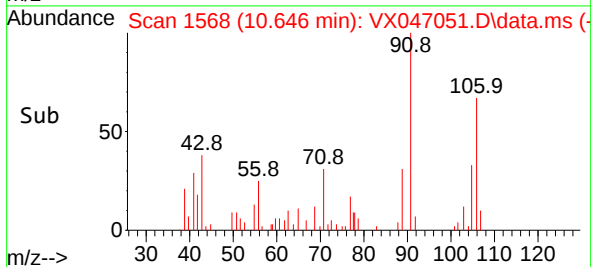
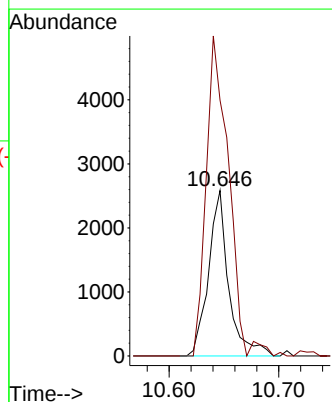
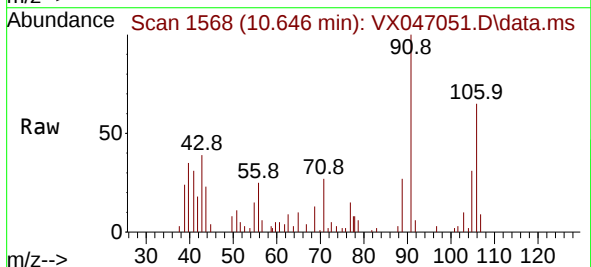
Manual Integrations
APPROVED

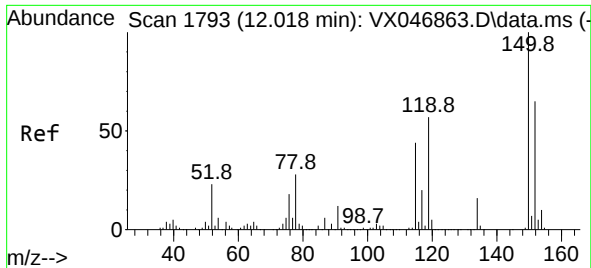
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#69
o-Xylene
Concen: 0.329 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX047051.D
Acq: 18 Jul 2025 15:42

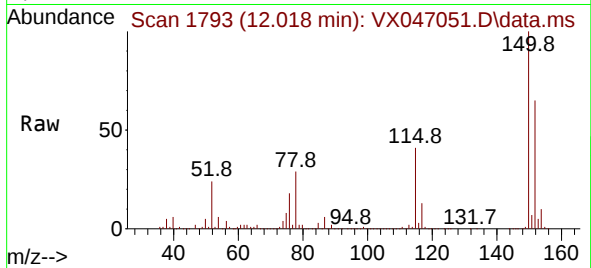
Tgt Ion:106 Resp: 3300
Ion Ratio Lower Upper
106 100
91 216.2 109.5 328.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047051.D
 Acq: 18 Jul 2025 15:42

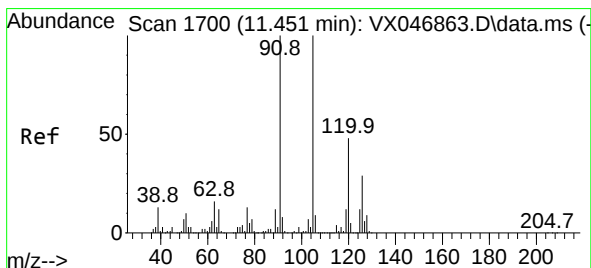
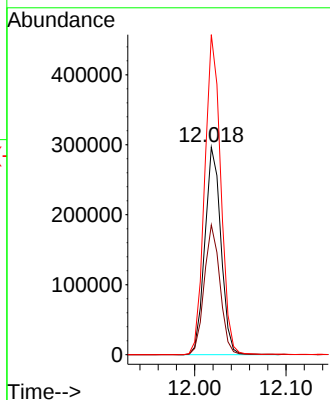
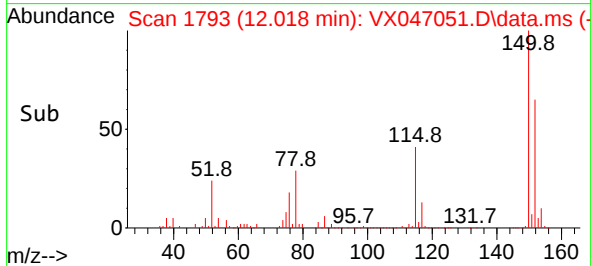
Instrument :
 MSVOA_X
 ClientSampleId :
 FRAC TANK



Tgt Ion:152 Resp: 36189
 Ion Ratio Lower Upper
 152 100
 115 61.4 42.4 127.1
 150 154.0 0.0 349.2

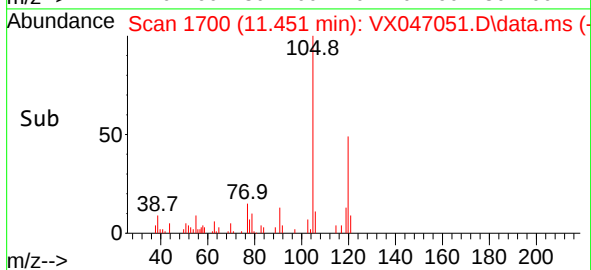
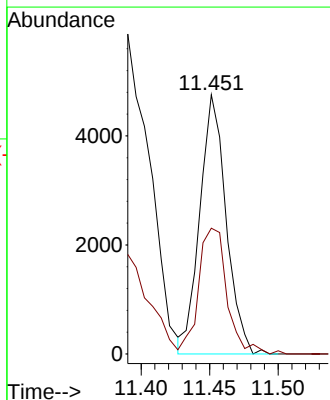
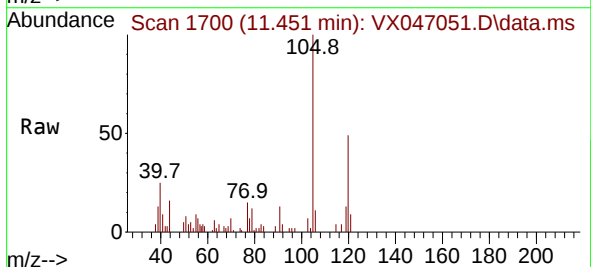
Manual Integrations
 APPROVED

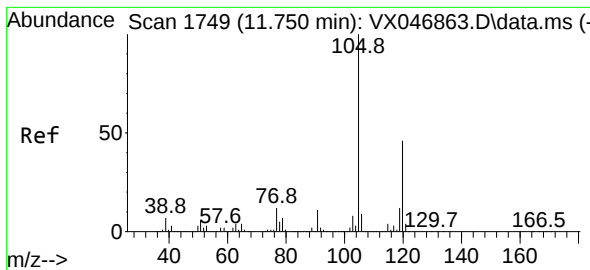
Reviewed By :John Carlone 07/21/2025
 Supervised By :Mahesh Dadoda 07/21/2025



#80
 1,3,5-Trimethylbenzene
 Concen: 0.308 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. -0.000 min
 Lab File: VX047051.D
 Acq: 18 Jul 2025 15:42

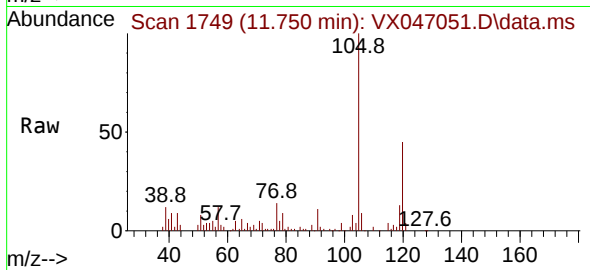
Tgt Ion:105 Resp: 6361
 Ion Ratio Lower Upper
 105 100
 120 52.4 24.1 72.4





#84
1,2,4-Trimethylbenzene
Concen: 1.412 ug/l
RT: 11.750 min Scan# 11749
Delta R.T. -0.000 min
Lab File: VX047051.D
Acq: 18 Jul 2025 15:42

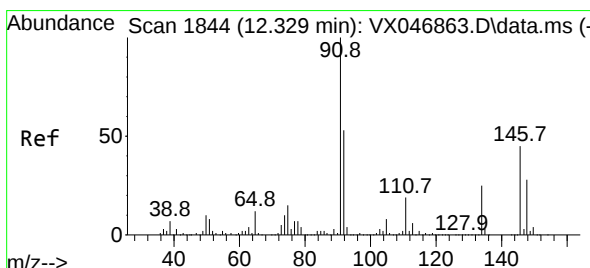
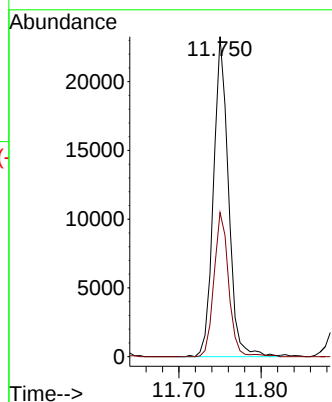
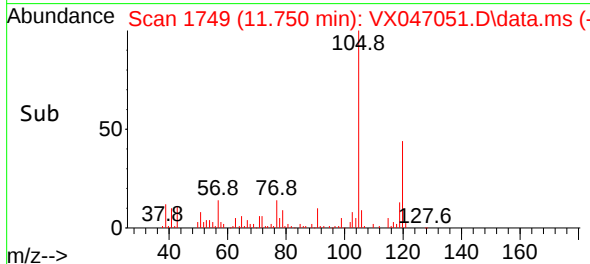
Instrument :
MSVOA_X
ClientSampleId :
FRAC TANK



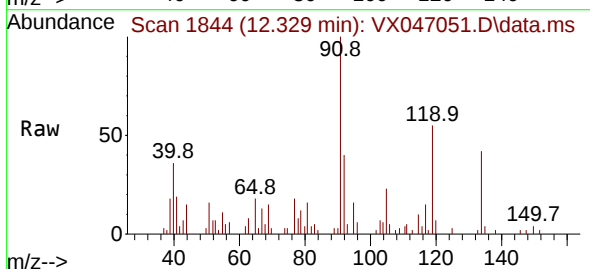
Tgt Ion:105 Resp: 2950
Ion Ratio Lower Upper
105 100
120 44.2 23.3 69.8

Manual Integrations
APPROVED

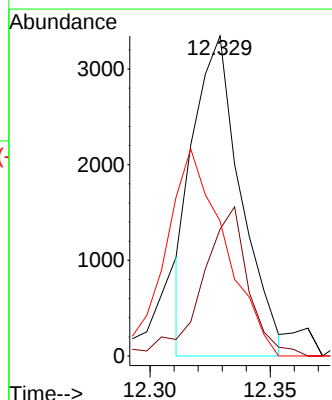
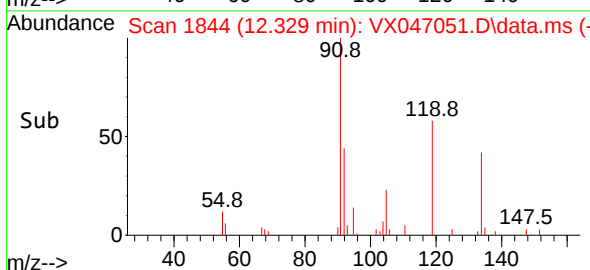
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

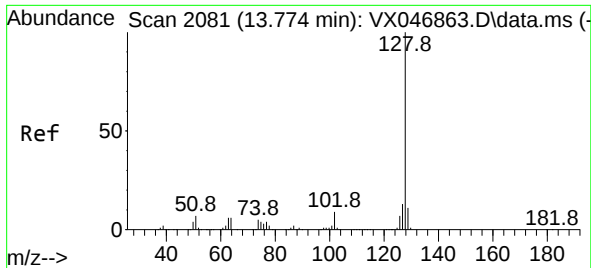


#89
n-Butylbenzene
Concen: 0.219 ug/l m
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX047051.D
Acq: 18 Jul 2025 15:42



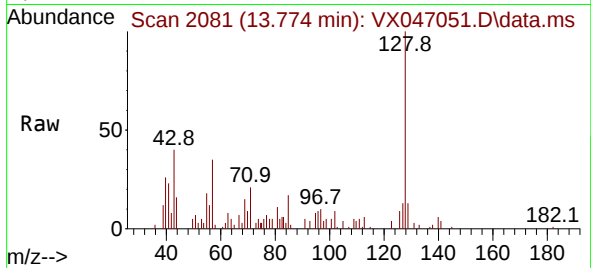
Tgt Ion: 91 Resp: 4628
Ion Ratio Lower Upper
91 100
92 45.2 27.0 81.0
134 78.1 12.8 38.4#





#95
Naphthalene
Concen: 0.374 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX047051.D
Acq: 18 Jul 2025 15:42

Instrument :
MSVOA_X
ClientSampleId :
FRAC TANK



Tgt Ion:128 Resp: 769
Ion Ratio Lower Upper
128 100
127 10.0 10.2 15.4
129 14.6 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

