

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047445.D
 Acq On : 20 Aug 2025 16:09
 Operator : JC/MD
 Sample : Q2900-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-01-081825

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/21/2025
 Supervised By : Mahesh Dadoda 08/22/2025

Quant Time: Aug 21 01:34:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	210048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	368410	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	367281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	176836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.977	65	184825	62.872	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 125.740%#			
35) Dibromofluoromethane	5.404	113	141682	59.256	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 118.520%			
50) Toluene-d8	8.659	98	475113	55.594	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 111.180%			
62) 4-Bromofluorobenzene	11.079	95	168052	53.287	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.580%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.392	62	117010	38.702	ug/l #	80
12) 1,1-Dichloroethene	2.343	96	2935	1.110	ug/l	96
16) Acetone	2.398	43	3781	3.422	ug/l	90
21) trans-1,2-Dichloroethene	3.111	96	848483	302.277	ug/l	99
27) cis-1,2-Dichloroethene	4.507	96	1074899	328.782	ug/l	89
40) Benzene	6.062	78	32876495m	2910.079	ug/l	
44) Trichloroethene	7.135	130	906848	313.488	ug/l	99
52) Toluene	8.738	92	19626997	2811.489	ug/l #	1
64) Tetrachloroethene	9.275	164	542210	204.099	ug/l	99
67) Ethyl Benzene	10.195	91	15810612	1052.484	ug/l #	82
68) m/p-Xylenes	10.311	106	6286372	1122.282	ug/l	94
69) o-Xylene	10.647	106	4205150	780.111	ug/l	96
70) Styrene	10.665	104	7683154	843.556	ug/l	96
73) Isopropylbenzene	10.964	105	399459	28.866	ug/l	100
78) n-propylbenzene	11.305	91	262602	15.889	ug/l #	54
80) 1,3,5-Trimethylbenzene	11.451	105	1050362	92.251	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	4098093	359.918	ug/l	99
86) p-Isopropyltoluene	12.012	119	61078	5.126	ug/l #	75

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

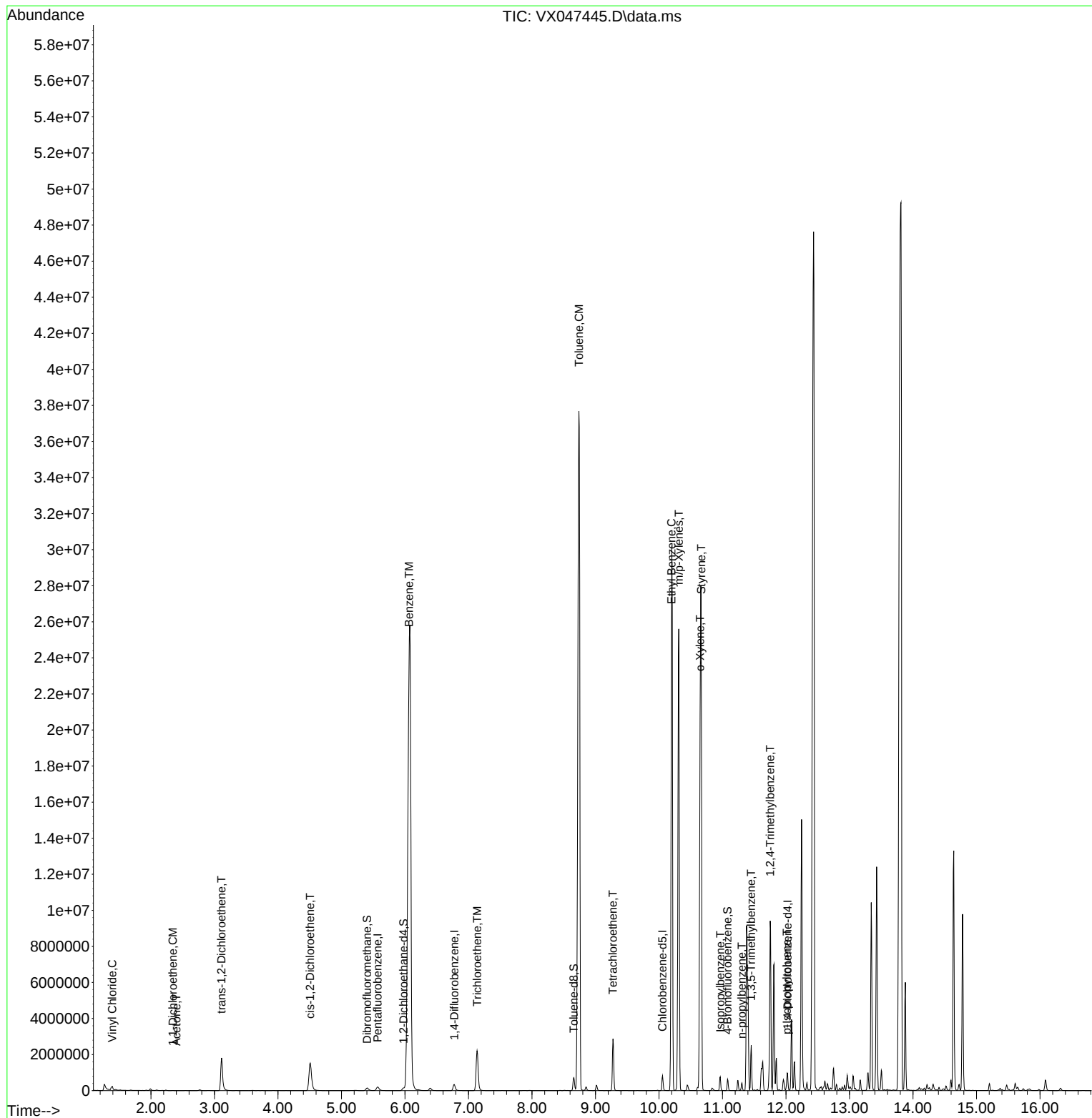
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047445.D
Acq On : 20 Aug 2025 16:09
Operator : JC/MD
Sample : Q2900-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

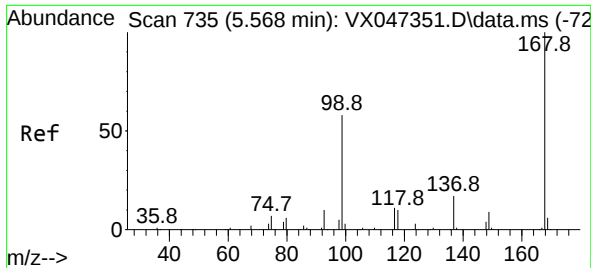
Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

Quant Time: Aug 21 01:34:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

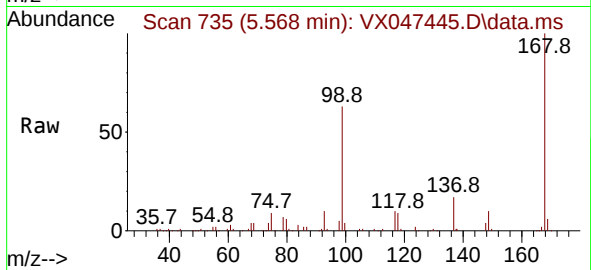
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

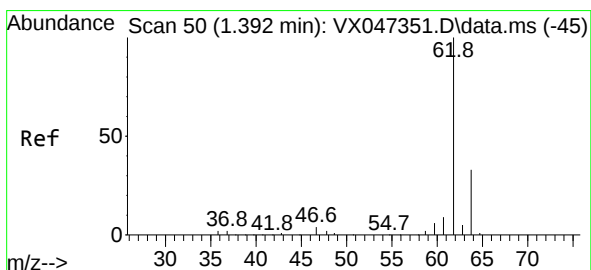
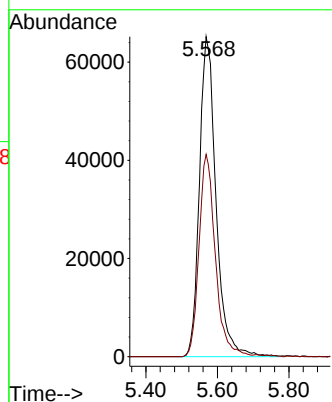
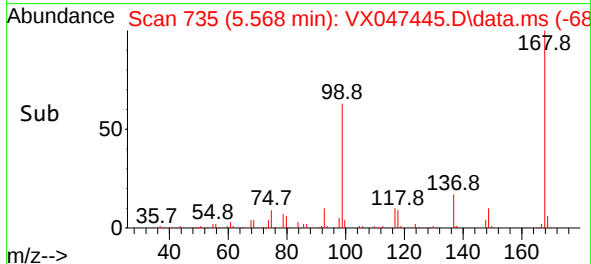
Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825



Tgt Ion:168 Resp: 21004
Ion Ratio Lower Upper
168 100
99 63.2 47.9 71.9

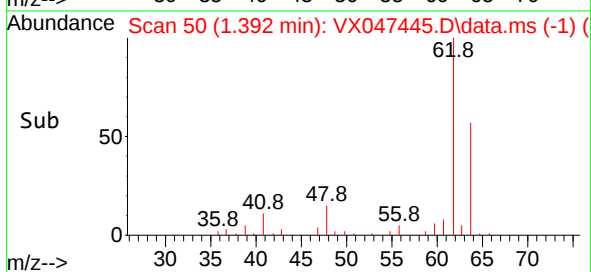
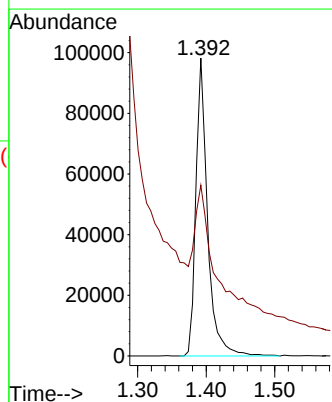
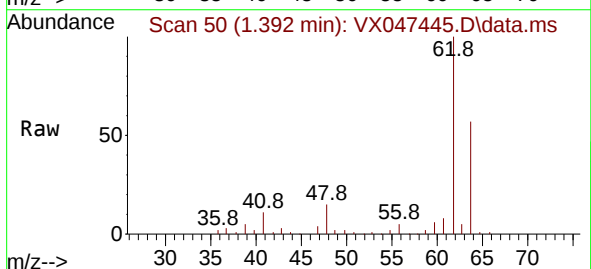
Manual Integrations
APPROVED

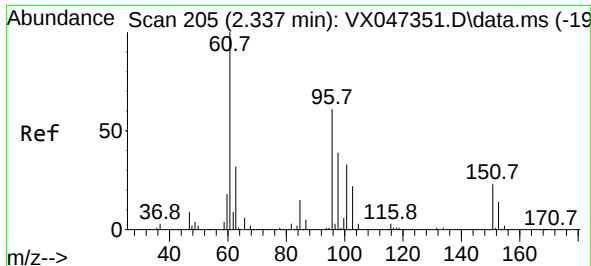
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#4
Vinyl Chloride
Concen: 38.702 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion: 62 Resp: 117010
Ion Ratio Lower Upper
62 100
64 44.2 26.5 39.7#





#12

1,1-Dichloroethene

Concen: 1.110 ug/l

RT: 2.343 min Scan# 205

Delta R.T. 0.006 min

Lab File: VX047445.D

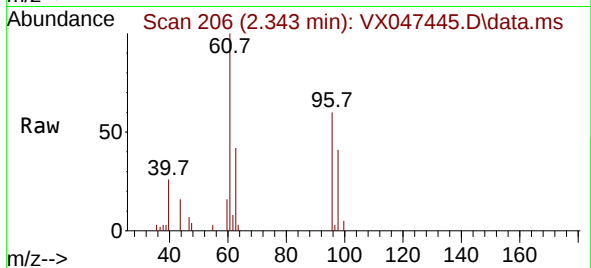
Acq: 20 Aug 2025 16:09

Instrument :

MSVOA_X

ClientSampleId :

DUP-01-081825



Tgt Ion: 96 Resp: 293

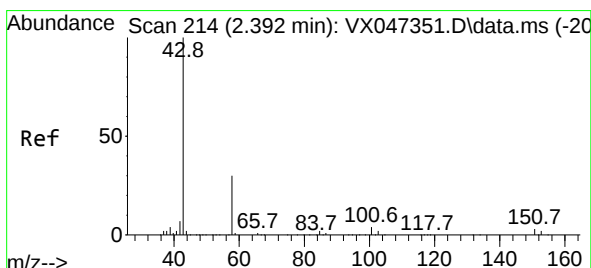
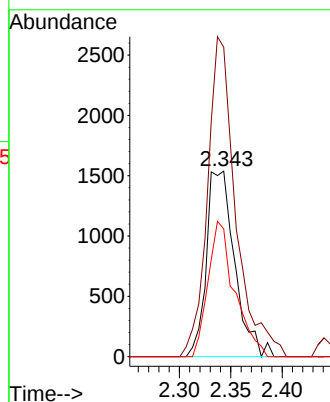
Ion	Ratio	Lower	Upper
96	100		
61	159.7	132.2	198.2
98	66.0	51.2	76.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#16

Acetone

Concen: 3.422 ug/l

RT: 2.398 min Scan# 215

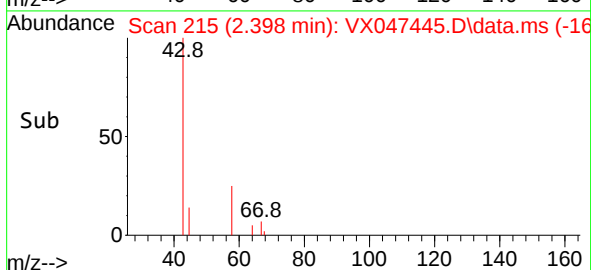
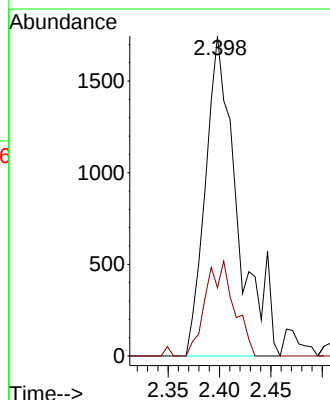
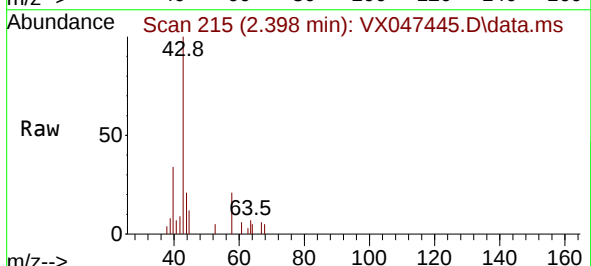
Delta R.T. 0.006 min

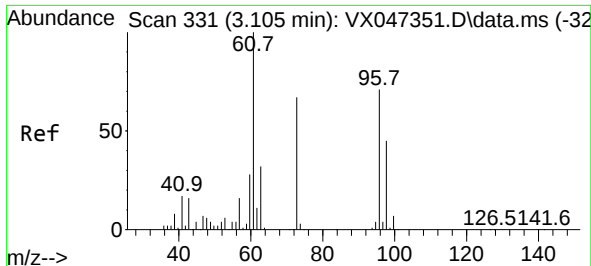
Lab File: VX047445.D

Acq: 20 Aug 2025 16:09

Tgt Ion: 43 Resp: 3781

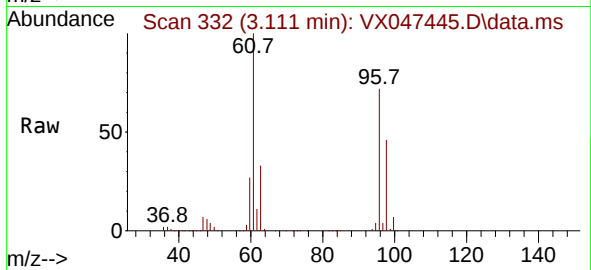
Ion	Ratio	Lower	Upper
43	100		
58	25.6	24.8	37.2





#21
trans-1,2-Dichloroethene
Concen: 302.277 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

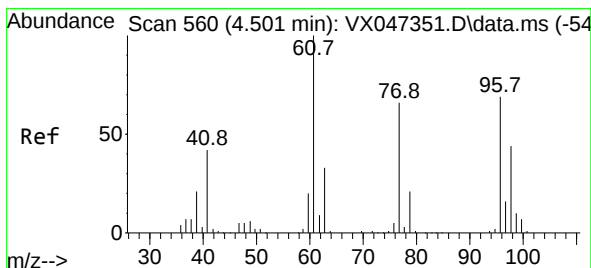
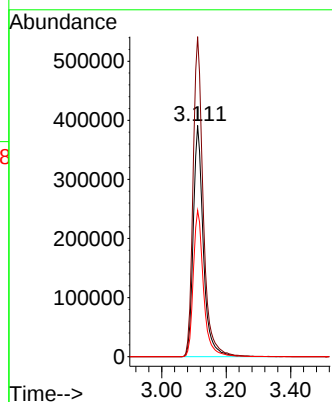
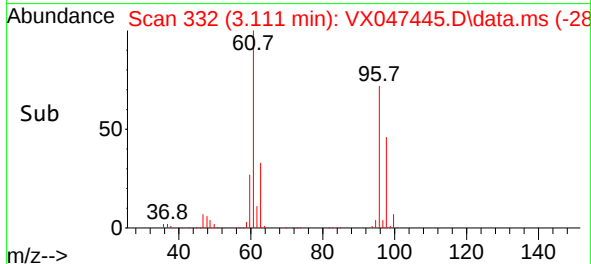
Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825



Tgt Ion: 96 Resp: 84848
Ion Ratio Lower Upper
96 100
61 138.4 112.6 169.0
98 63.3 50.9 76.3

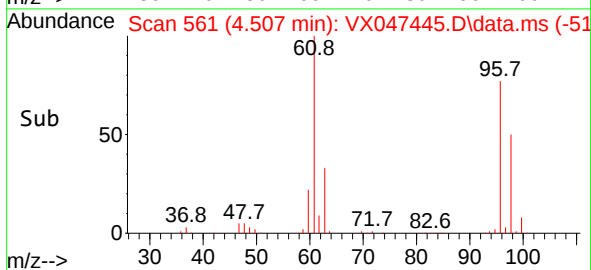
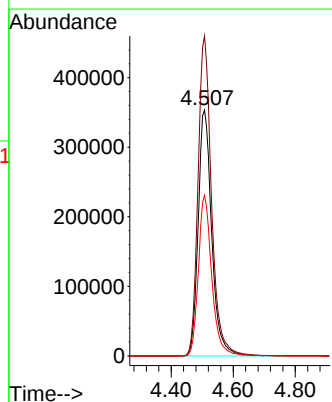
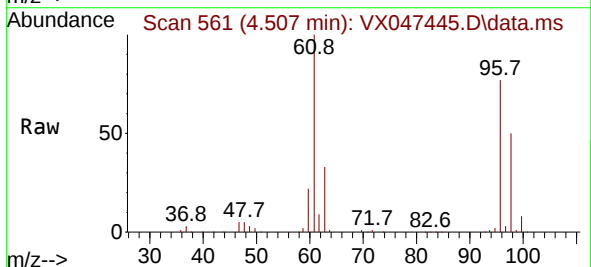
Manual Integrations
APPROVED

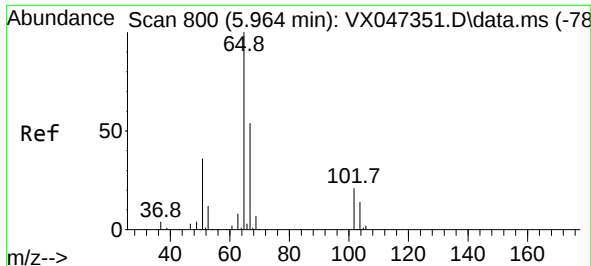
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#27
cis-1,2-Dichloroethene
Concen: 328.782 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.006 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion: 96 Resp: 1074899
Ion Ratio Lower Upper
96 100
61 129.3 0.0 296.6
98 64.4 0.0 130.4





#33

1,2-Dichloroethane-d4

Concen: 62.872 ug/l

RT: 5.977 min Scan# 800

Delta R.T. 0.012 min

Lab File: VX047445.D

Acq: 20 Aug 2025 16:09

Instrument :

MSVOA_X

ClientSampleId :

DUP-01-081825

Tgt Ion: 65 Resp: 184825

Ion Ratio Lower Upper

65 100

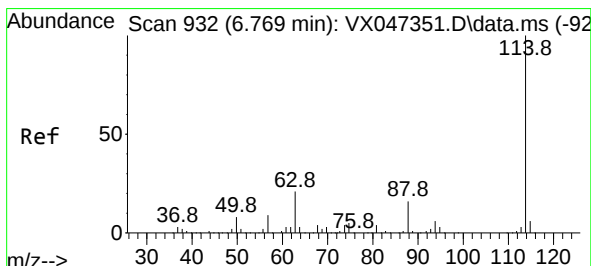
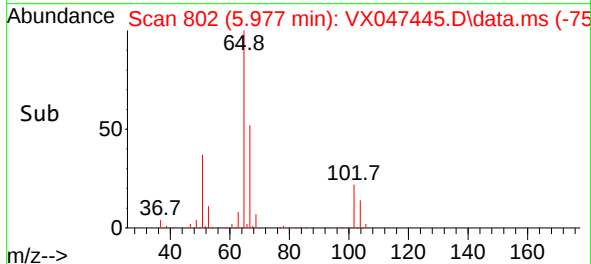
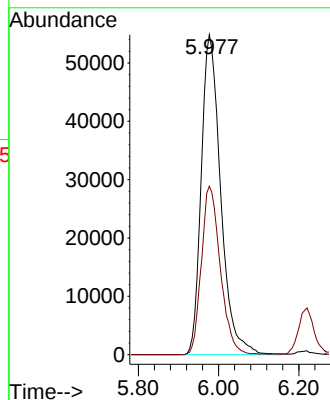
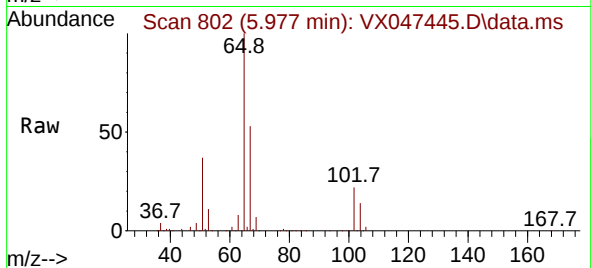
67 51.2 0.0 106.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.775 min Scan# 933

Delta R.T. 0.006 min

Lab File: VX047445.D

Acq: 20 Aug 2025 16:09

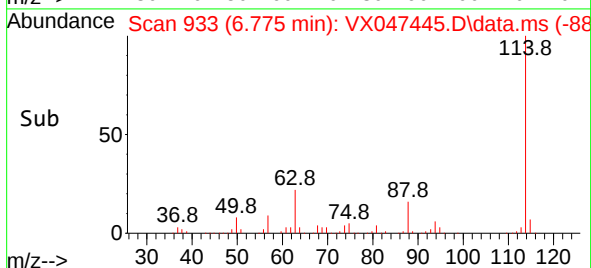
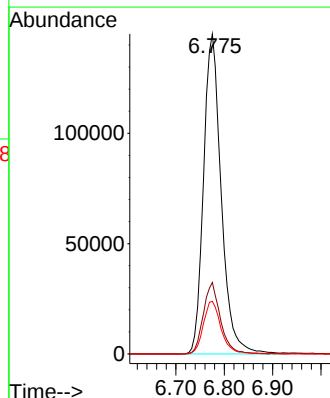
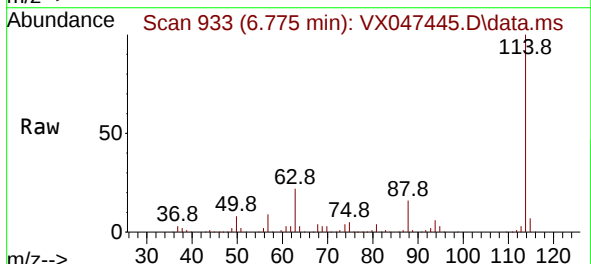
Tgt Ion:114 Resp: 368410

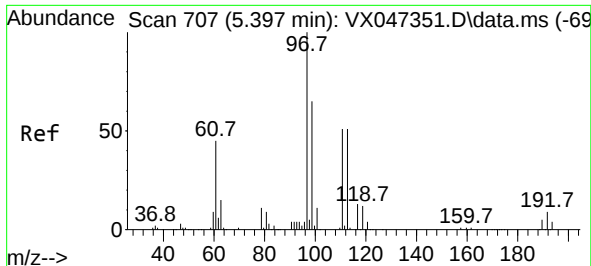
Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.4

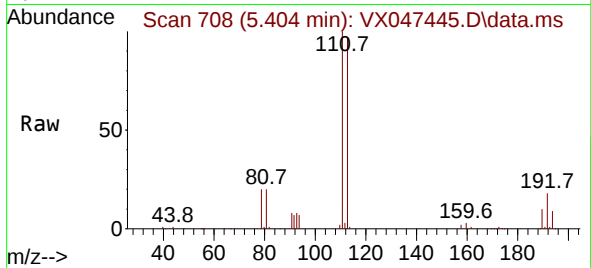
88 16.5 0.0 33.0





#35
Dibromofluoromethane
Concen: 59.256 ug/l
RT: 5.404 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

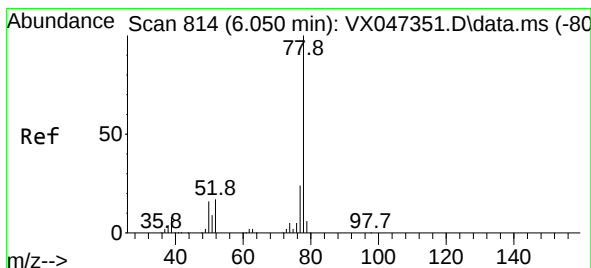
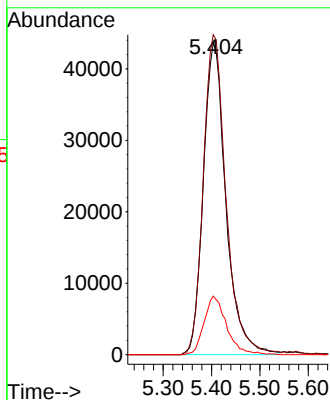
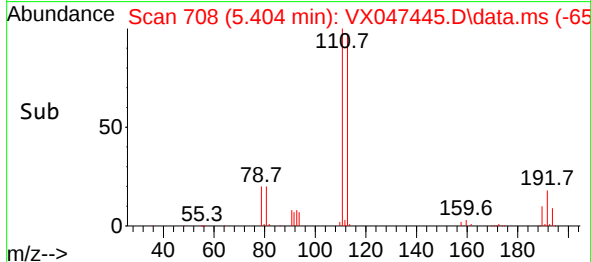
Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825



Tgt Ion:113 Resp: 14168
Ion Ratio Lower Upper
113 100
111 103.3 81.4 122.2
192 18.7 14.1 21.1

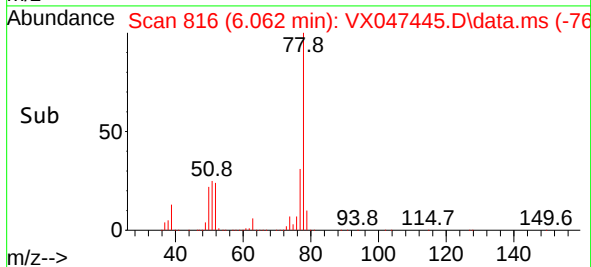
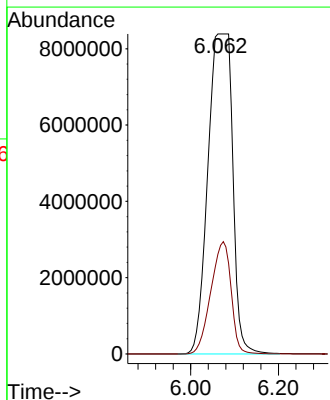
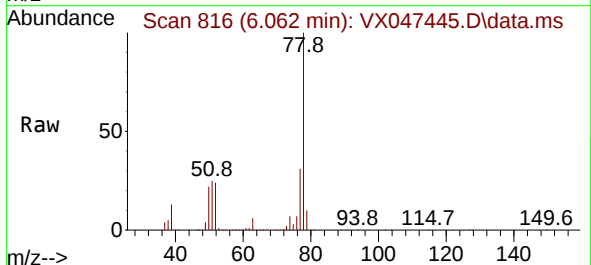
Manual Integrations
APPROVED

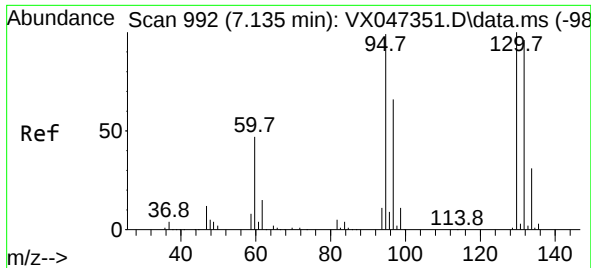
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#40
Benzene
Concen: 2910.079 ug/l m
RT: 6.062 min Scan# 816
Delta R.T. 0.012 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion: 78 Resp:32876495
Ion Ratio Lower Upper
78 100
77 31.2 19.0 28.4#





#44
Trichloroethene
Concen: 313.488 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.000 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Instrument :

MSVOA_X

ClientSampleId :

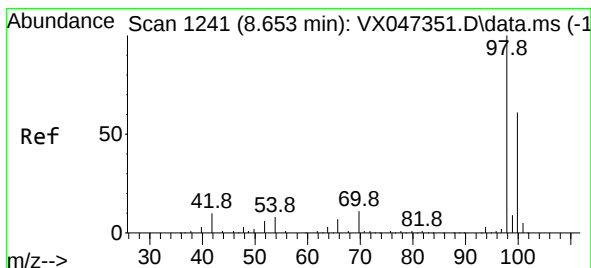
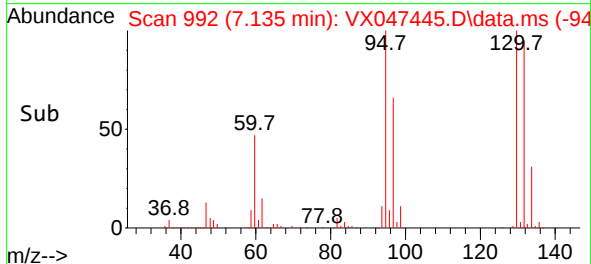
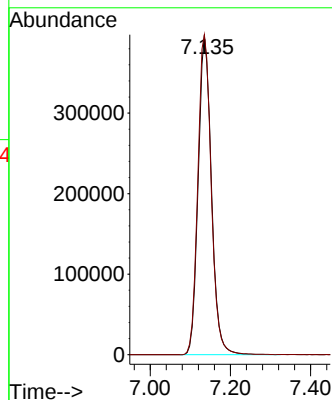
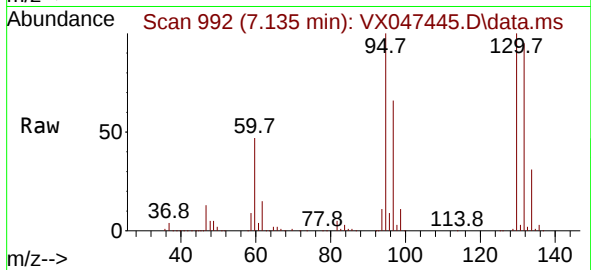
DUP-01-081825

Tgt Ion:130 Resp: 906848
Ion Ratio Lower Upper
130 100
95 100.3 0.0 198.6

Manual Integrations

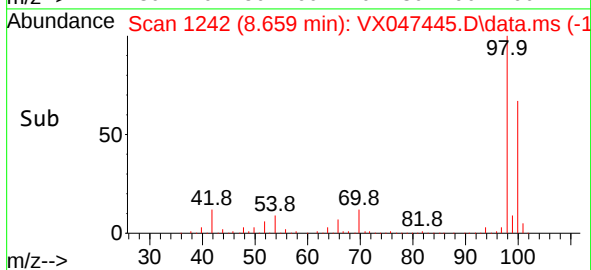
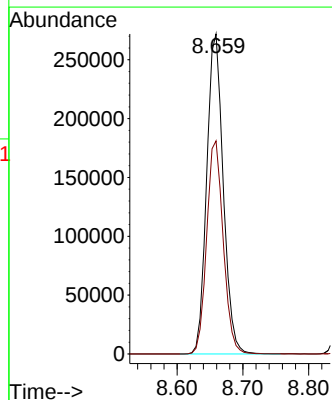
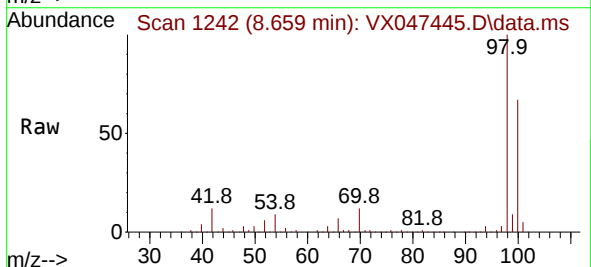
APPROVED

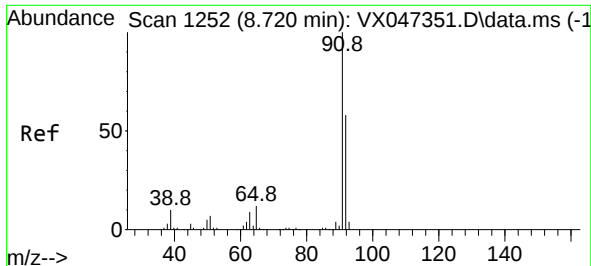
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#50
Toluene-d8
Concen: 55.594 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. 0.006 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

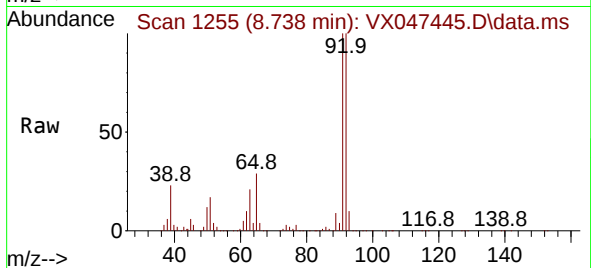
Tgt Ion: 98 Resp: 475113
Ion Ratio Lower Upper
98 100
100 66.7 53.9 80.9





#52
Toluene
Concen: 2811.489 ug/l
RT: 8.738 min Scan# 1255
Delta R.T. 0.019 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

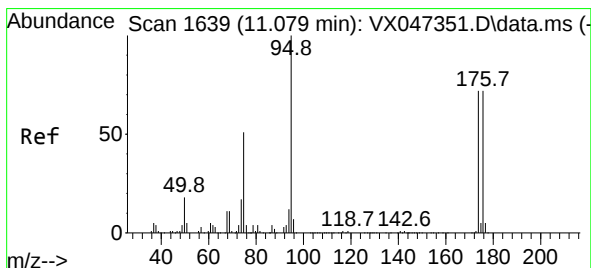
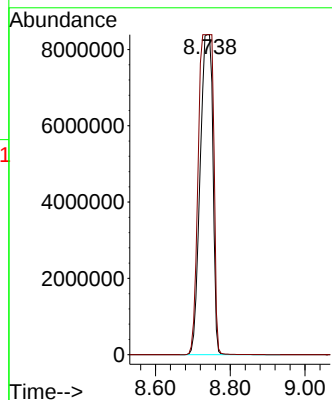
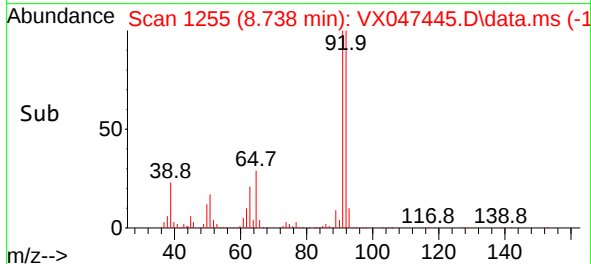
Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825



Tgt Ion: 92 Resp: 1962699
Ion Ratio Lower Upper
92 100
91 0.0 136.3 204.5

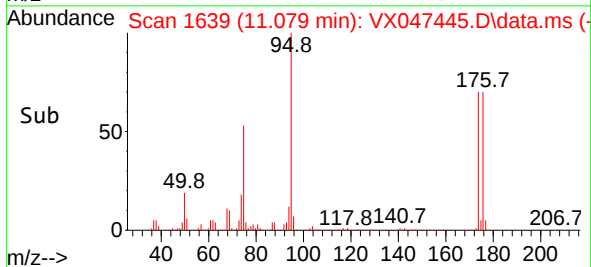
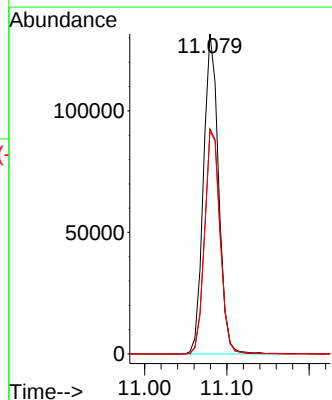
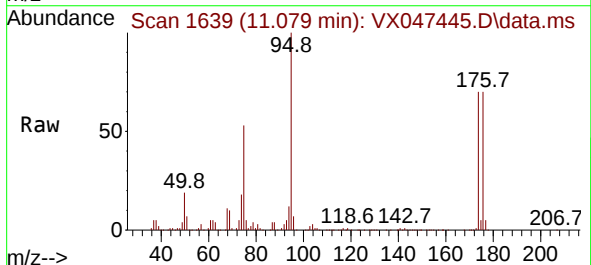
Manual Integrations
APPROVED

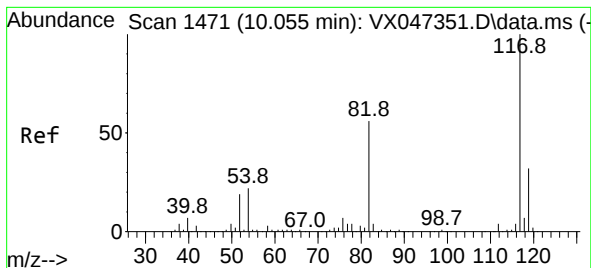
Reviewed By : John Carlone 08/21/2025
Supervised By : Mahesh Dadoda 08/22/2025



#62
4-Bromofluorobenzene
Concen: 53.287 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

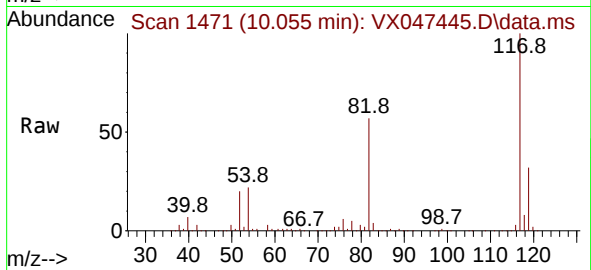
Tgt Ion: 95 Resp: 168052
Ion Ratio Lower Upper
95 100
174 72.1 0.0 148.0
176 71.0 0.0 145.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

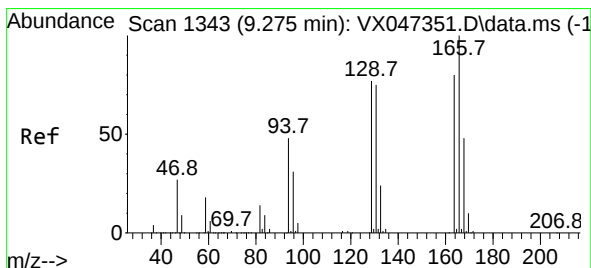
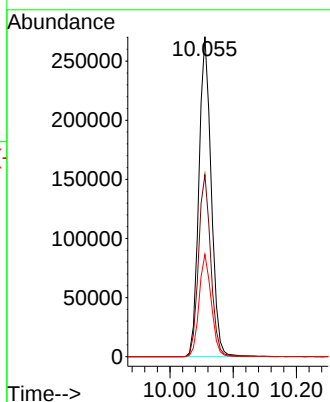
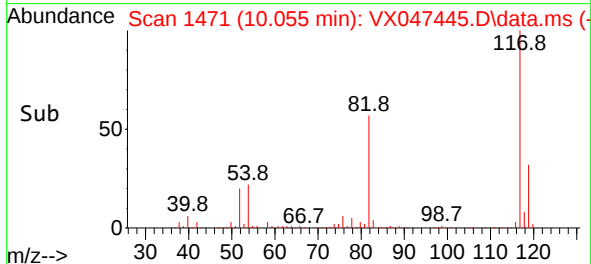
Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825



Tgt Ion:117 Resp: 36728
Ion Ratio Lower Upper
117 100
82 56.9 45.0 67.4
119 32.0 25.8 38.8

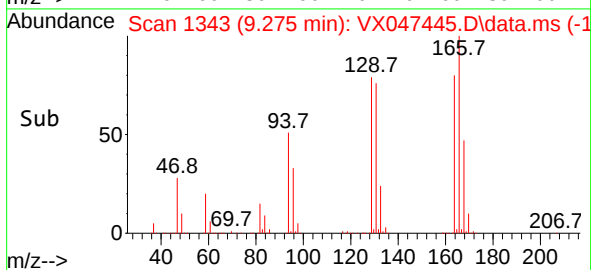
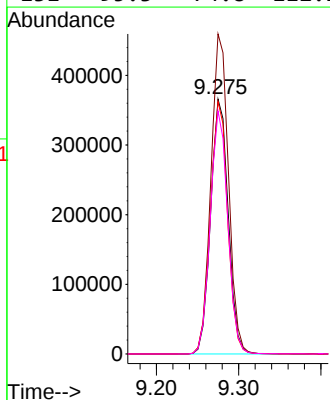
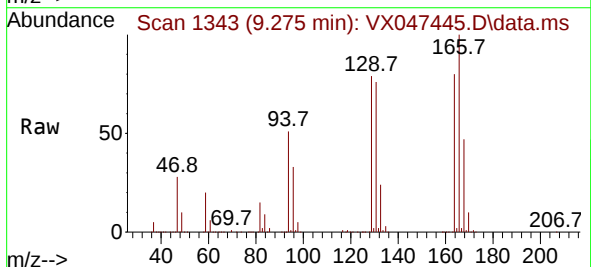
Manual Integrations
APPROVED

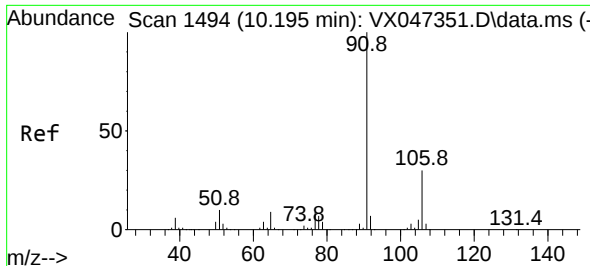
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#64
Tetrachloroethene
Concen: 204.099 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion:164 Resp: 542210
Ion Ratio Lower Upper
164 100
166 125.6 100.3 150.5
129 99.1 77.7 116.5
131 95.3 74.8 112.2





#67

Ethyl Benzene

Concen: 1052.484 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX047445.D

Acq: 20 Aug 2025 16:09

Instrument :

MSVOA_X

ClientSampleId :

DUP-01-081825

Tgt Ion: 91 Resp:1581061

Ion Ratio Lower Upper

91 100

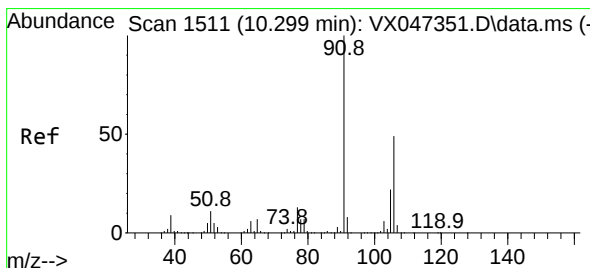
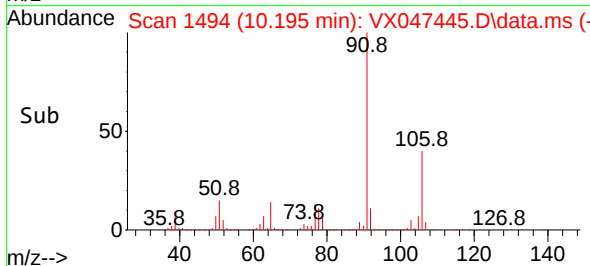
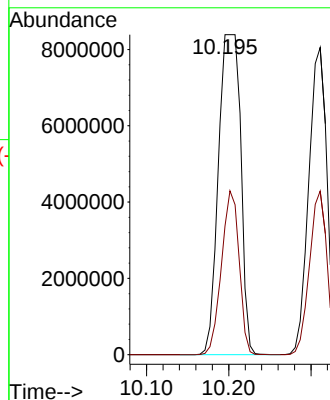
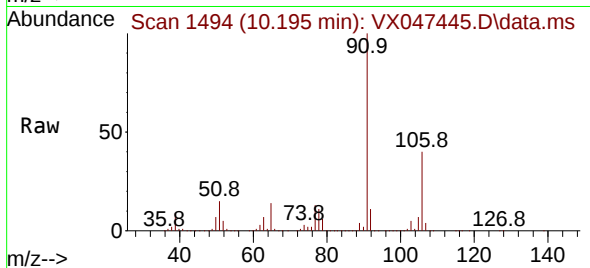
106 40.2 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#68

m/p-Xylenes

Concen: 1122.282 ug/l

RT: 10.311 min Scan# 1513

Delta R.T. 0.012 min

Lab File: VX047445.D

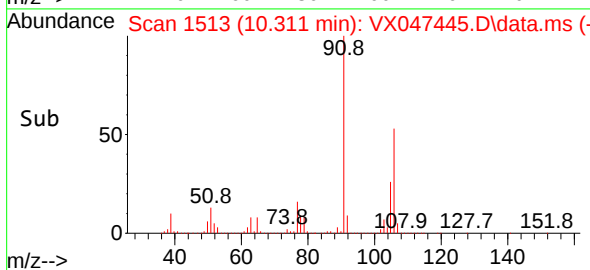
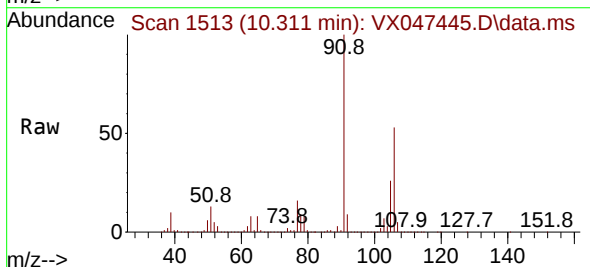
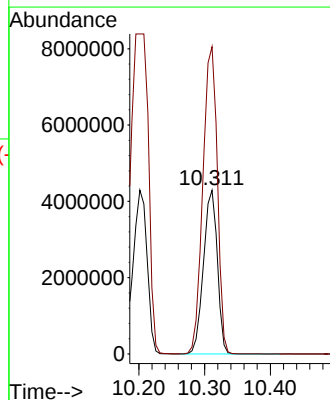
Acq: 20 Aug 2025 16:09

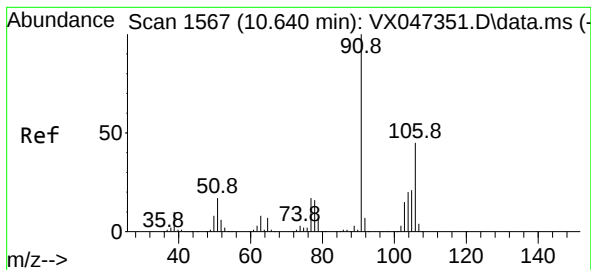
Tgt Ion:106 Resp: 6286372

Ion Ratio Lower Upper

106 100

91 196.2 164.7 247.1





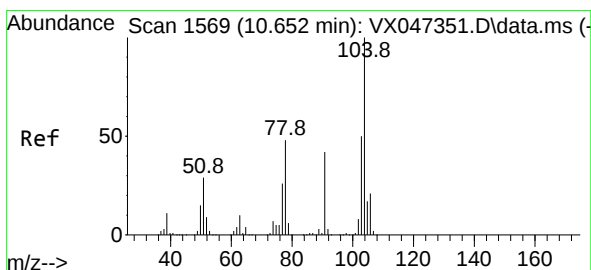
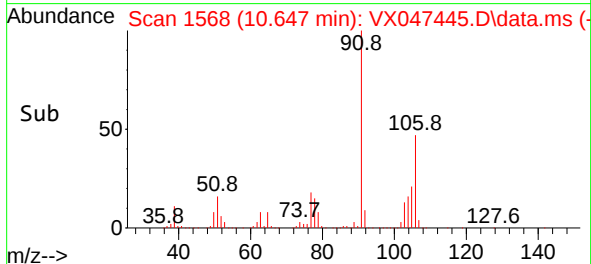
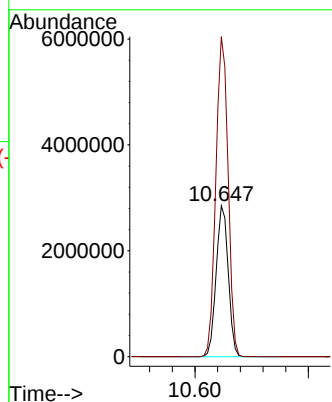
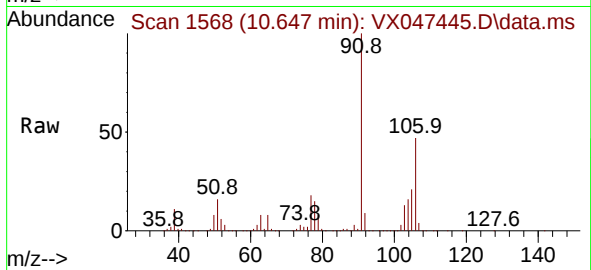
#69
o-Xylene
Concen: 780.111 ug/l
RT: 10.647 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

Tgt Ion:106 Resp: 4205150
Ion Ratio Lower Upper
106 100
91 215.3 110.6 331.8

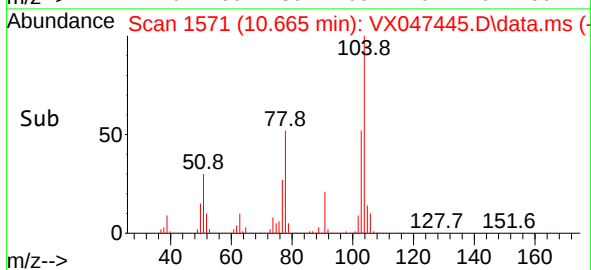
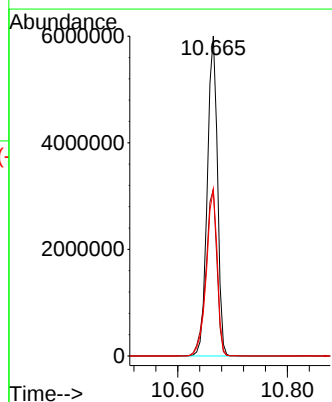
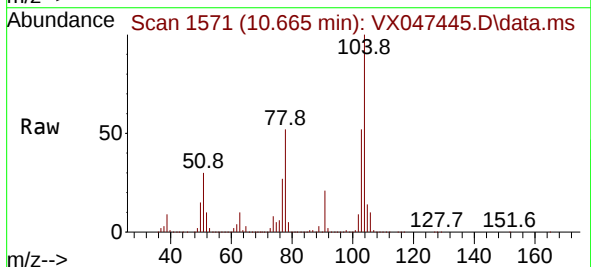
Manual Integrations
APPROVED

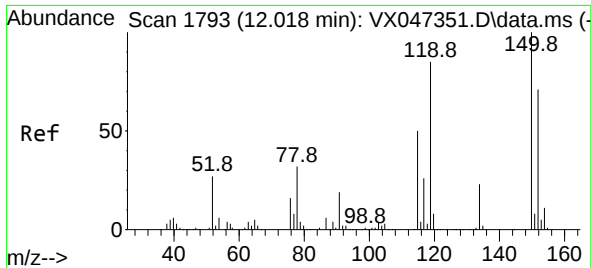
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#70
Styrene
Concen: 843.556 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.012 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

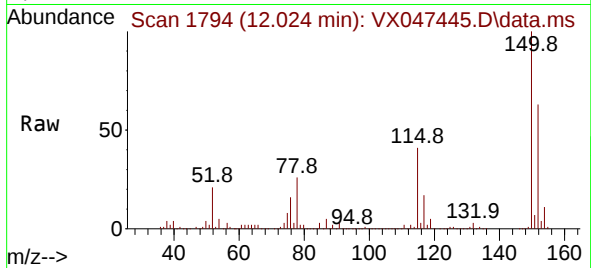
Tgt Ion:104 Resp: 7683154
Ion Ratio Lower Upper
104 100
78 56.8 41.8 62.8
103 55.8 43.6 65.4





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1793
Delta R.T. 0.006 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

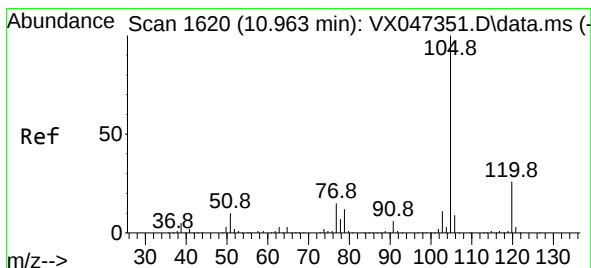
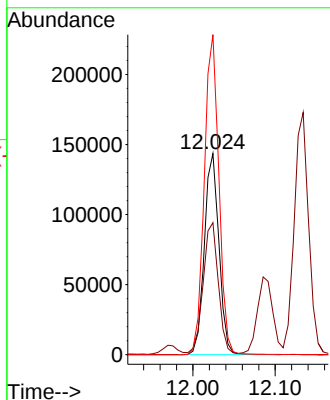
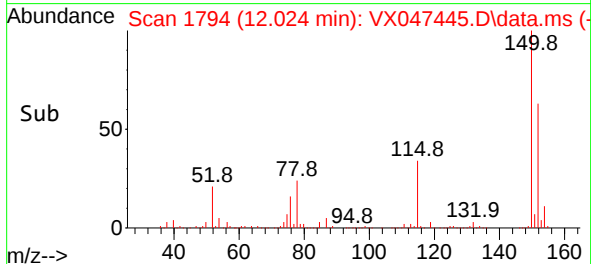
Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825



Tgt Ion:152 Resp: 176830
Ion Ratio Lower Upper
152 100
115 67.1 44.6 133.8
150 159.0 0.0 349.8

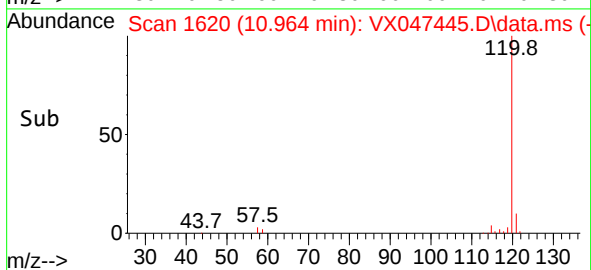
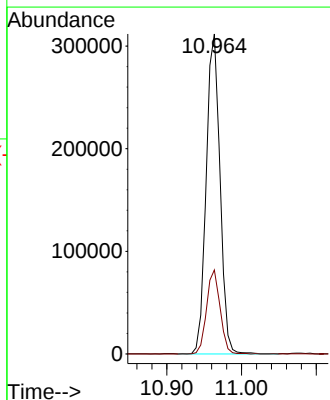
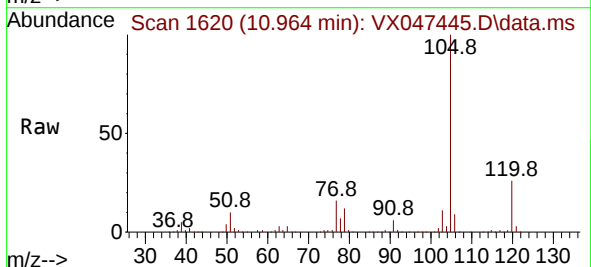
Manual Integrations
APPROVED

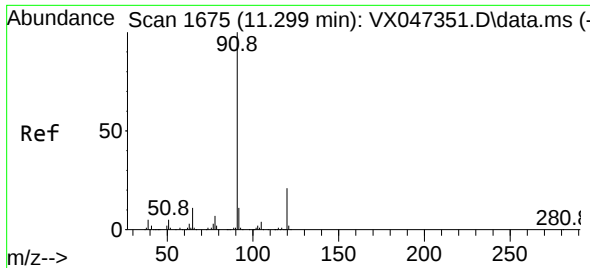
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#73
Isopropylbenzene
Concen: 28.866 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

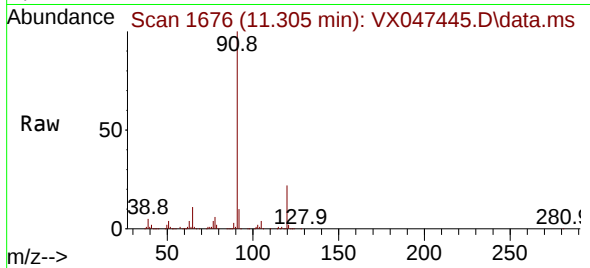
Tgt Ion:105 Resp: 399459
Ion Ratio Lower Upper
105 100
120 25.7 12.9 38.6





#78
n-propylbenzene
Concen: 15.889 ug/l
RT: 11.305 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

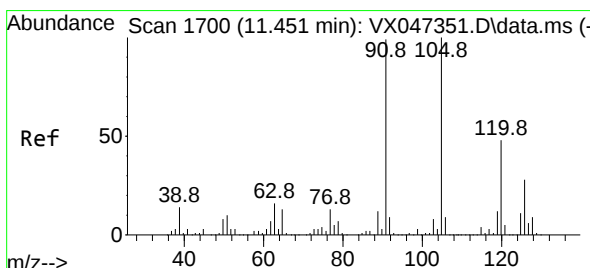
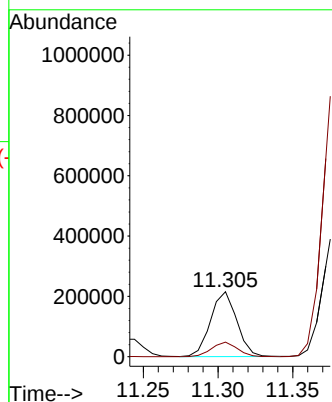
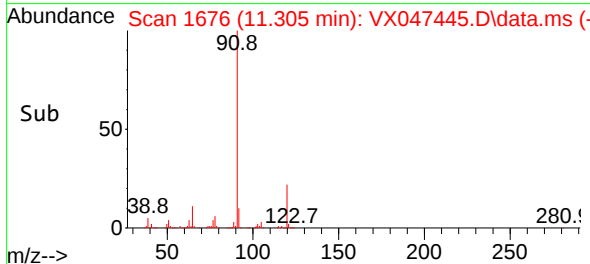
Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825



Tgt Ion: 91 Resp: 262602
Ion Ratio Lower Upper
91 100
120 0.0 11.0 33.0

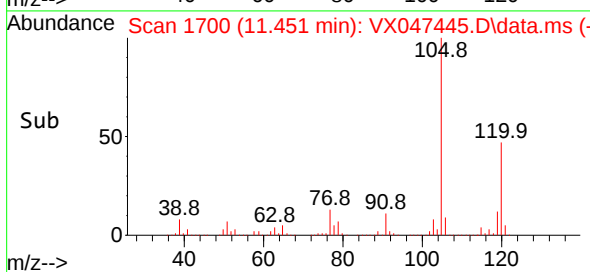
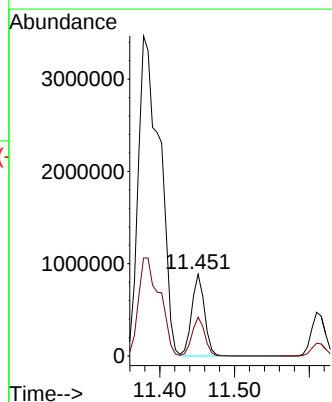
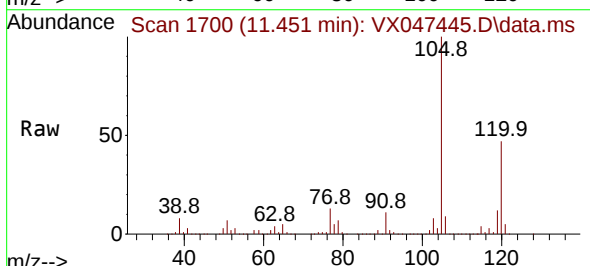
Manual Integrations
APPROVED

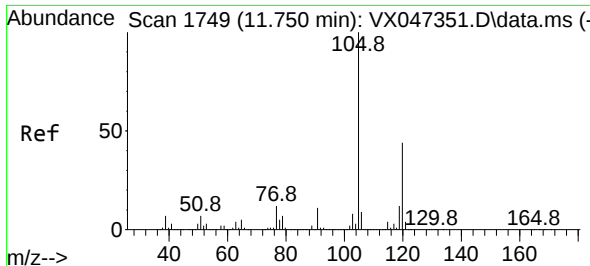
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#80
1,3,5-Trimethylbenzene
Concen: 92.251 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

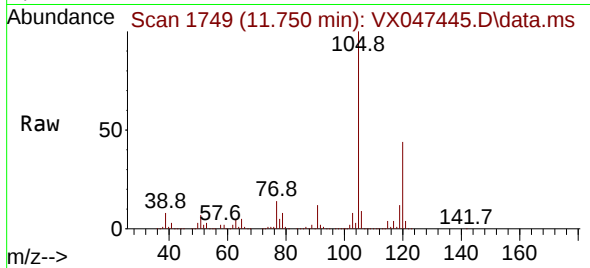
Tgt Ion:105 Resp: 1050362
Ion Ratio Lower Upper
105 100
120 47.7 23.9 71.7





#84
1,2,4-Trimethylbenzene
Concen: 359.918 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

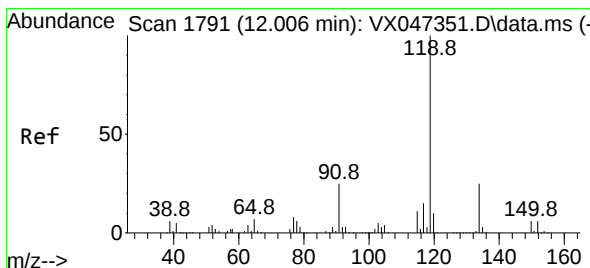
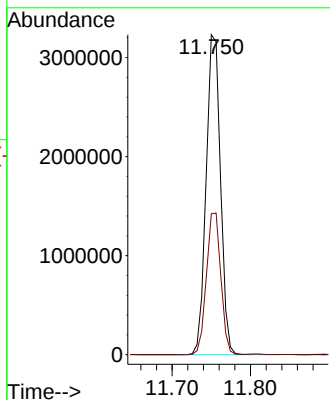
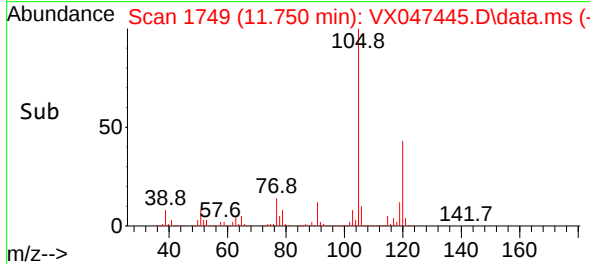
Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825



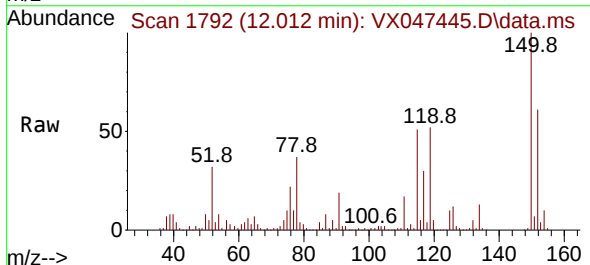
Tgt Ion:105 Resp: 409809
Ion Ratio Lower Upper
105 100
120 44.6 21.9 65.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#86
p-Isopropyltoluene
Concen: 5.126 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09



Tgt Ion:119 Resp: 61078
Ion Ratio Lower Upper
119 100
134 25.7 12.8 38.4
91 0.0 12.4 37.4#

