

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020524\
 Data File : VX040111.D
 Acq On : 05 Feb 2024 13:22
 Operator : JC/MD
 Sample : P1354-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FRAC-TANK-A6014

Quant Time: Feb 06 02:59:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 02/06/2024
 Supervised By :Mahesh Dadoda 02/06/2024

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

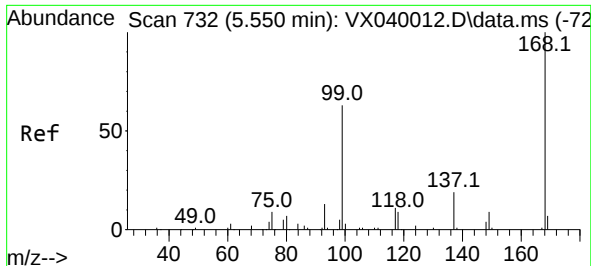
Internal Standards						
1) Pentafluorobenzene	5.556	168	99174	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	175259	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	165560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70326	44.062	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.120%		
35) Dibromofluoromethane	5.385	113	56863	47.662	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.320%		
50) Toluene-d8	8.647	98	216377	48.497	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.000%		
62) 4-Bromofluorobenzene	11.079	95	83005	48.316	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.640%		
Target Compounds					Qvalue	
16) Acetone	2.380	43	12776	17.084	ug/l	99
25) 2-Butanone	4.568	43	2778	2.672	ug/l #	82
32) 1,1,1-Trichloroethane	5.379	97	3631	1.766	ug/l	92
40) Benzene	6.037	78	4061	0.808	ug/l #	77
51) 4-Methyl-2-Pentanone	8.586	43	950	0.468	ug/l	92
52) Toluene	8.720	92	2878	0.919	ug/l	89
59) 2-Hexanone	9.445	43	927	0.573	ug/l #	59
67) Ethyl Benzene	10.195	91	191312	31.158	ug/l	97
68) m/p-Xylenes	10.299	106	35424	15.336	ug/l	100
69) o-Xylene	10.640	106	19935	9.098	ug/l	96
73) Isopropylbenzene	10.963	105	81369	14.058	ug/l	98
78) n-propylbenzene	11.305	91	16543	2.323	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	35468	7.129	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	196725	39.624	ug/l	97
85) sec-Butylbenzene	11.890	105	1740m	0.276	ug/l	
86) p-Isopropyltoluene	12.006	119	9026	1.752	ug/l #	71

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

Manual Integrations

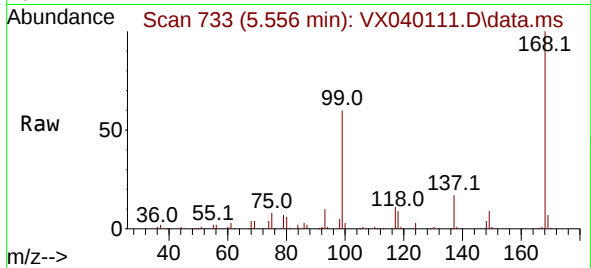
Quant Time: Feb 06 02:59:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 01 05:44:39 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040111.D
Acq: 05 Feb 2024 13:22

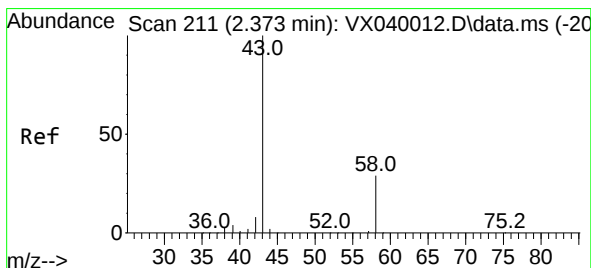
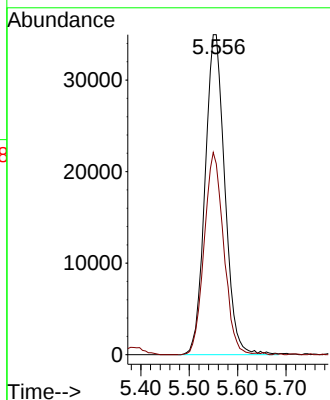
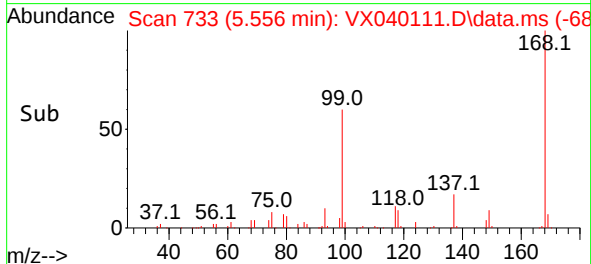
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A6014



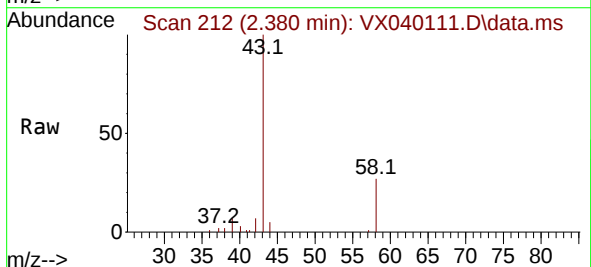
Tgt Ion:168 Resp: 99174
Ion Ratio Lower Upper
168 100
99 59.6 56.6 85.0

Manual Integrations
APPROVED

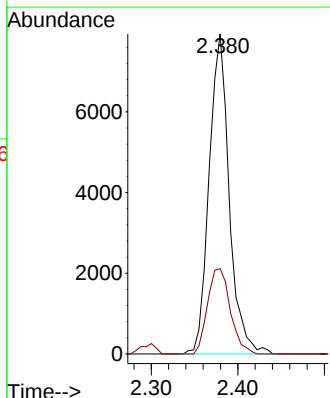
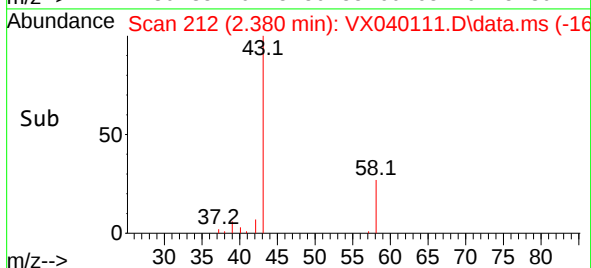
Reviewed By :John Carlone 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

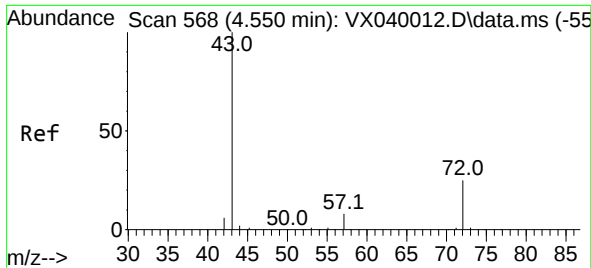


#16
Acetone
Concen: 17.084 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX040111.D
Acq: 05 Feb 2024 13:22



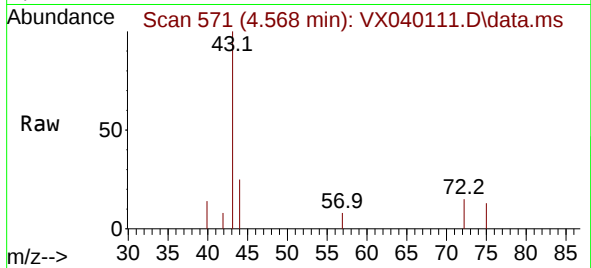
Tgt Ion: 43 Resp: 12776
Ion Ratio Lower Upper
43 100
58 26.7 21.9 32.9





#25
2-Butanone
Concen: 2.672 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX040111.D
Acq: 05 Feb 2024 13:22

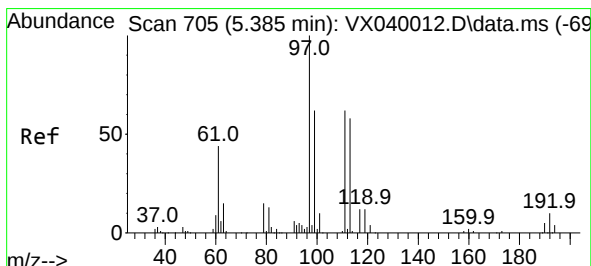
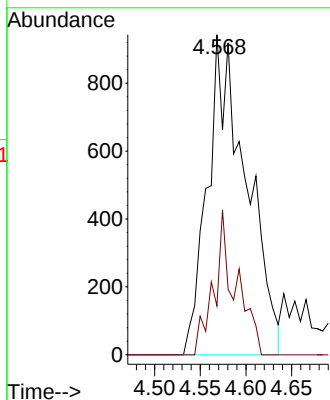
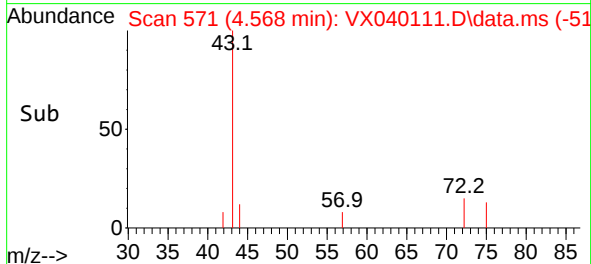
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A6014



Tgt Ion: 43 Resp: 2778
Ion Ratio Lower Upper
43 100
72 15.3 19.4 29.2

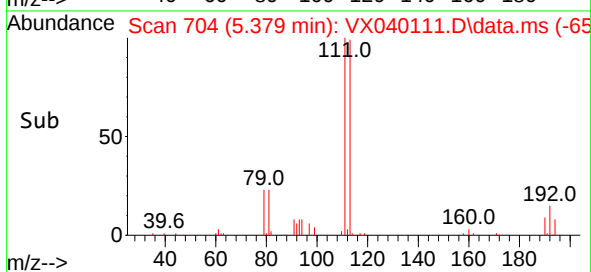
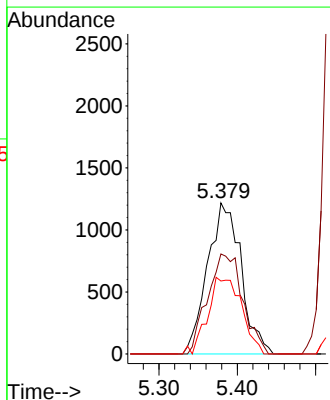
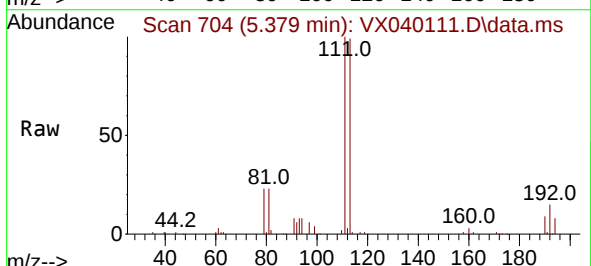
Manual Integrations
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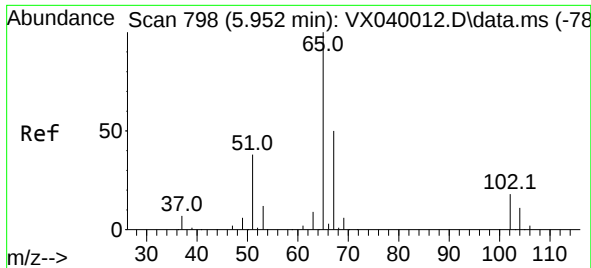
Reviewed By :John Carlone 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#32
1,1,1-Trichloroethane
Concen: 1.766 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX040111.D
Acq: 05 Feb 2024 13:22

Tgt Ion: 97 Resp: 3631
Ion Ratio Lower Upper
97 100
99 69.3 51.1 76.7
61 51.0 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 44.062 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX040111.D

Acq: 05 Feb 2024 13:22

Instrument :

MSVOA_X

ClientSampleId :

FRAC-TANK-A6014

Tgt Ion: 65 Resp: 70320

Ion Ratio Lower Upper

65 100

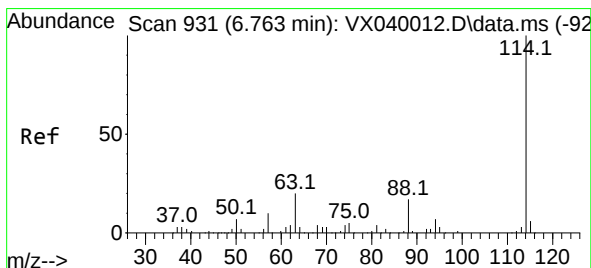
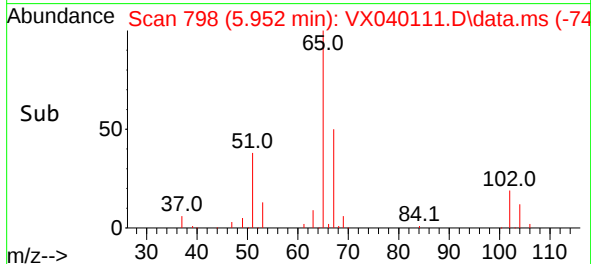
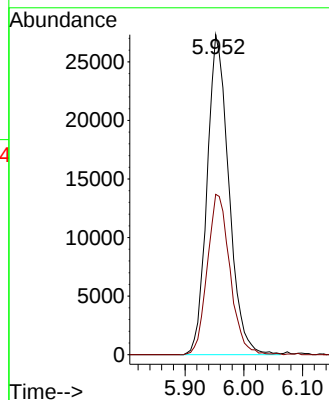
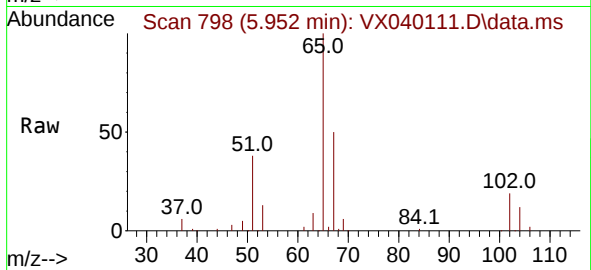
67 51.9 0.0 100.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/06/2024

Supervised By :Mahesh Dadoda 02/06/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX040111.D

Acq: 05 Feb 2024 13:22

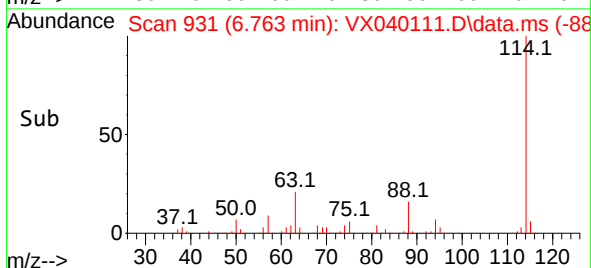
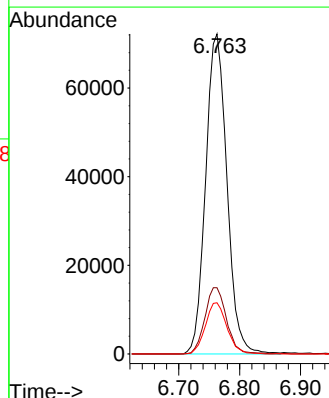
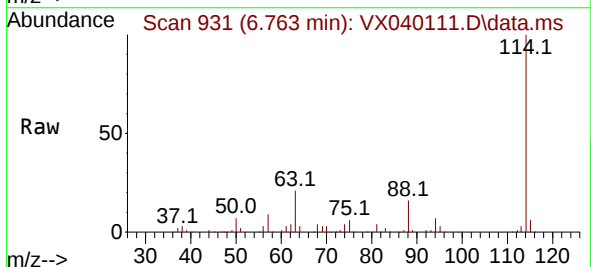
Tgt Ion:114 Resp: 175259

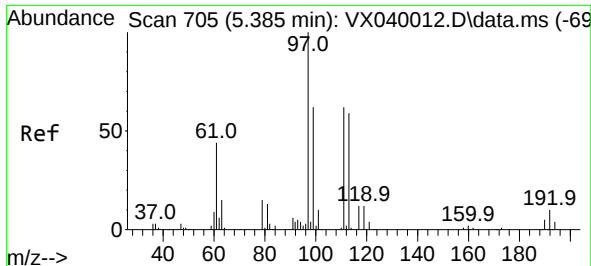
Ion Ratio Lower Upper

114 100

63 20.7 0.0 45.0

88 16.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 47.662 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX040111.D

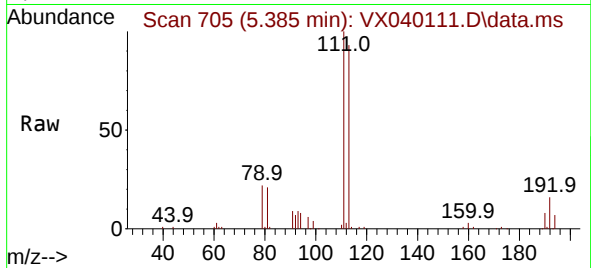
Acq: 05 Feb 2024 13:22

Instrument :

MSVOA_X

ClientSampleId :

FRAC-TANK-A6014



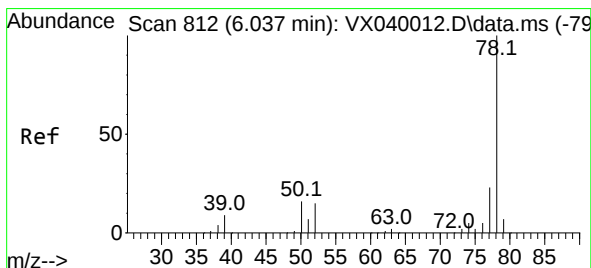
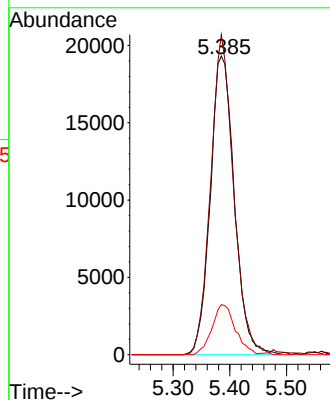
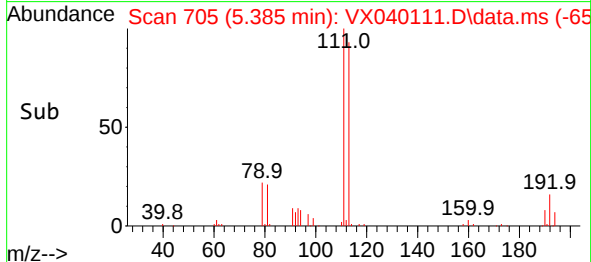
Tgt Ion:	113	Resp:	5686
Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.9	124.3
192	16.4	13.3	19.9

Manual Integrations

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Reviewed By :John Carlone 02/06/2024

Supervised By :Mahesh Dadoda 02/06/2024



#40

Benzene

Concen: 0.808 ug/l

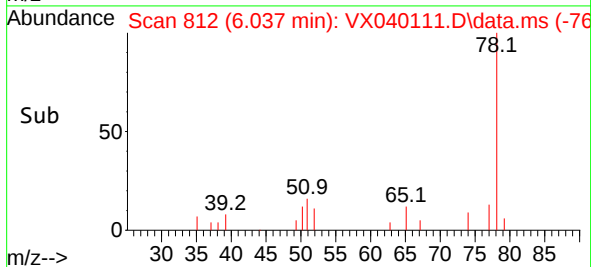
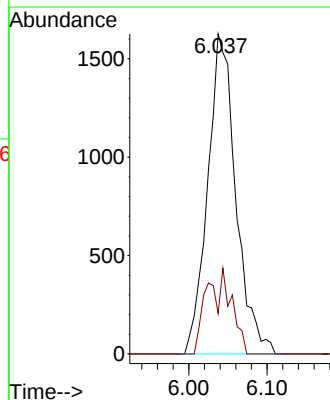
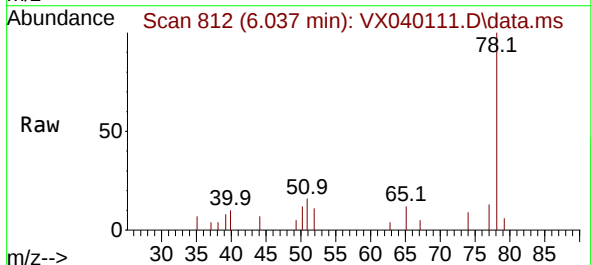
RT: 6.037 min Scan# 812

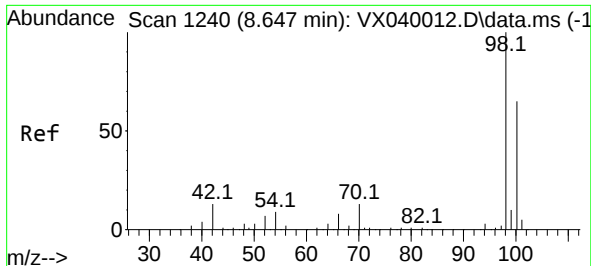
Delta R.T. -0.000 min

Lab File: VX040111.D

Acq: 05 Feb 2024 13:22

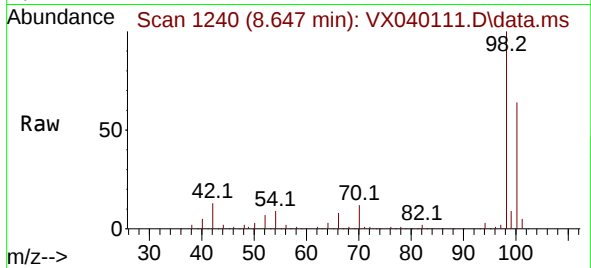
Tgt Ion:	78	Resp:	4061
Ion	Ratio	Lower	Upper
78	100		
77	12.7	19.3	28.9





#50
Toluene-d8
Concen: 48.497 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040111.D
Acq: 05 Feb 2024 13:22

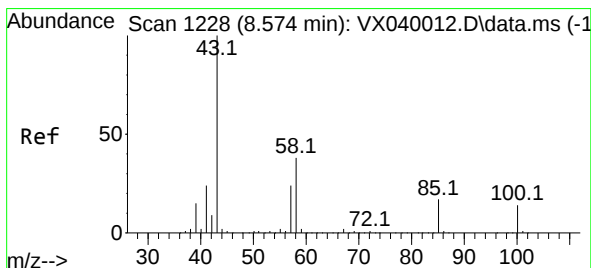
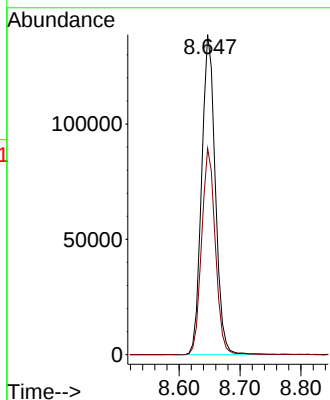
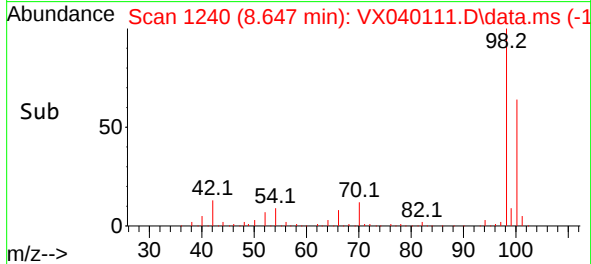
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A6014



Tgt Ion: 98 Resp: 21637
Ion Ratio Lower Upper
98 100
100 64.6 53.1 79.7

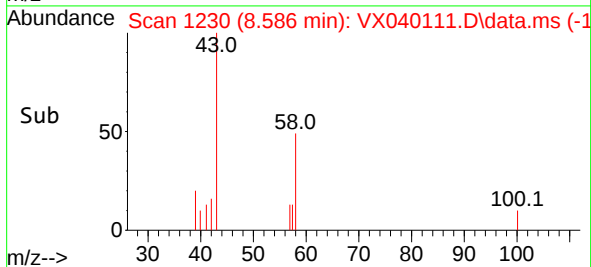
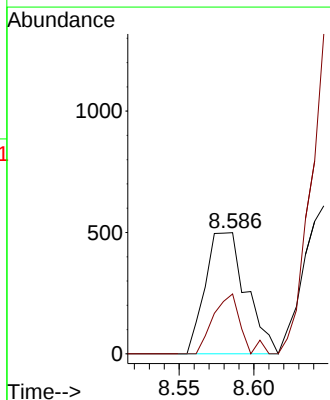
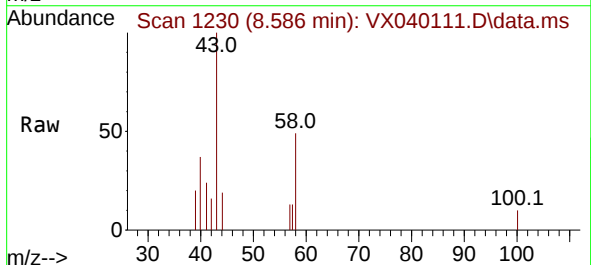
Manual Integrations
APPROVED

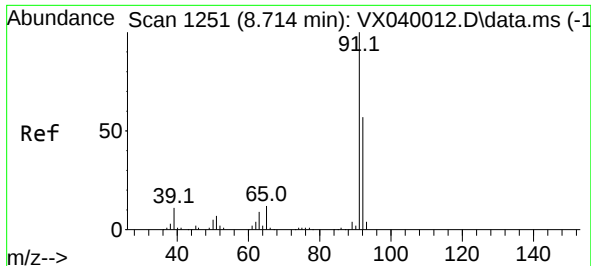
Reviewed By :John Carlone 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#51
4-Methyl-2-Pentanone
Concen: 0.468 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.012 min
Lab File: VX040111.D
Acq: 05 Feb 2024 13:22

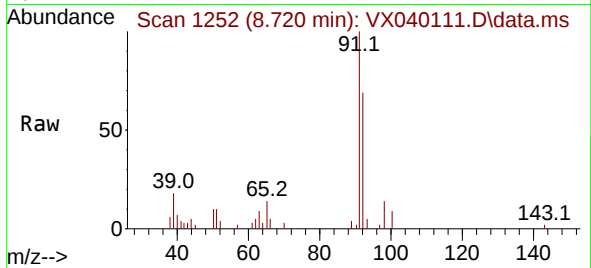
Tgt Ion: 43 Resp: 950
Ion Ratio Lower Upper
43 100
58 33.3 30.4 45.6





#52
Toluene
Concen: 0.919 ug/l
RT: 8.720 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VX040111.D
Acq: 05 Feb 2024 13:22

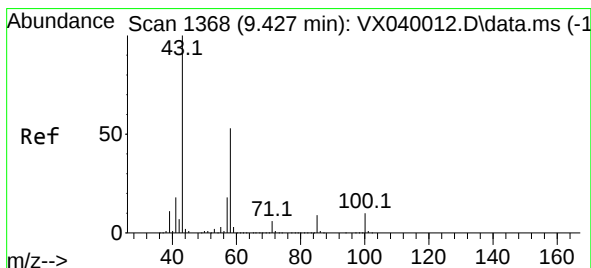
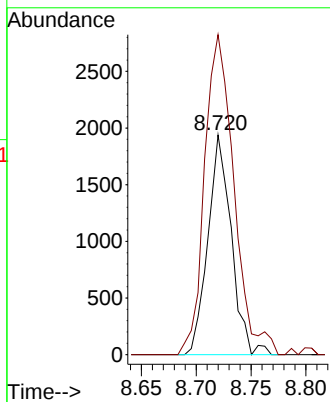
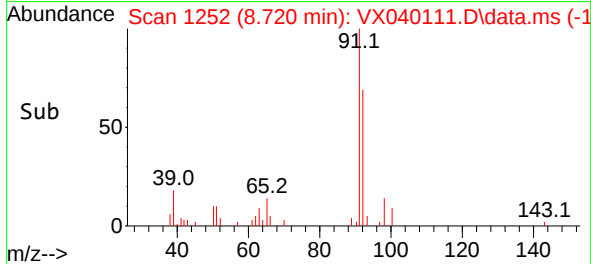
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A6014



Tgt Ion: 92 Resp: 2878
Ion Ratio Lower Upper
92 100
91 182.8 134.2 201.2

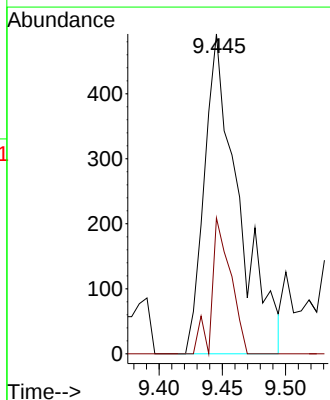
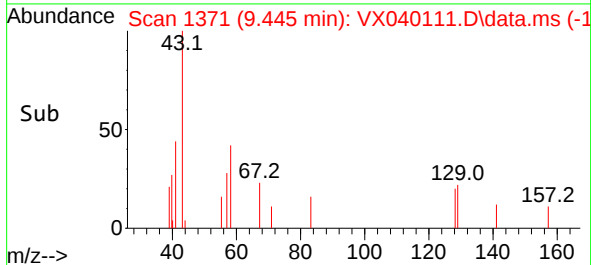
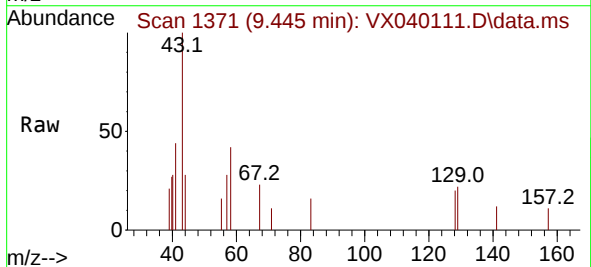
Manual Integrations
APPROVED

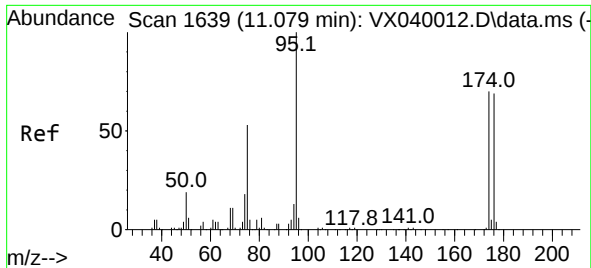
Reviewed By :John Carlone 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#59
2-Hexanone
Concen: 0.573 ug/l
RT: 9.445 min Scan# 1371
Delta R.T. 0.018 min
Lab File: VX040111.D
Acq: 05 Feb 2024 13:22

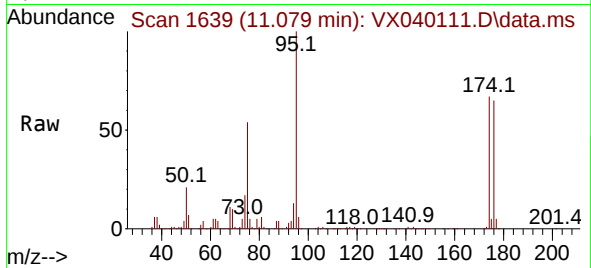
Tgt Ion: 43 Resp: 927
Ion Ratio Lower Upper
43 100
58 23.5 26.2 78.5#





#62
4-Bromofluorobenzene
Concen: 48.316 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040111.D
Acq: 05 Feb 2024 13:22

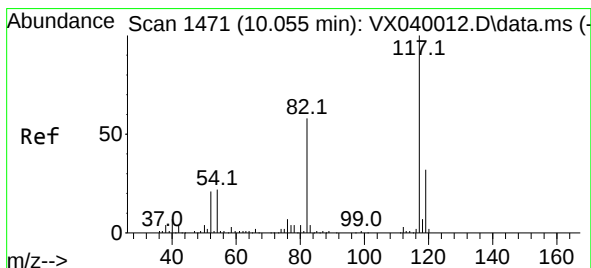
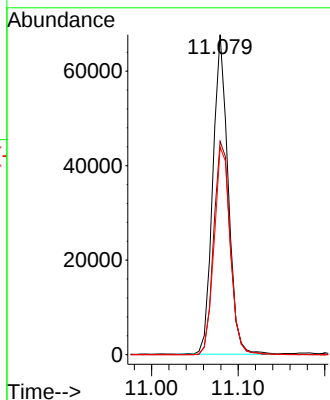
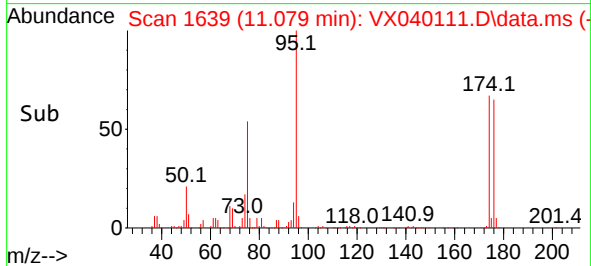
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A6014



Tgt Ion: 95 Resp: 83000
Ion Ratio Lower Upper
95 100
174 71.4 0.0 135.6
176 68.8 0.0 131.0

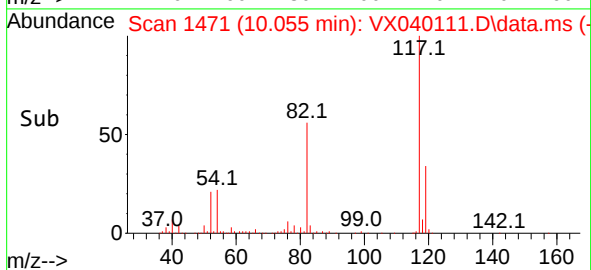
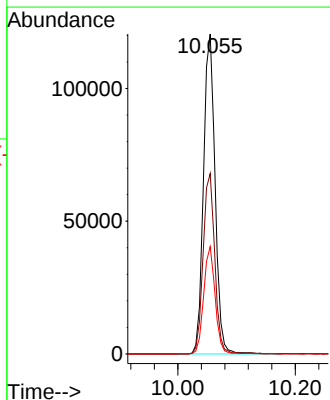
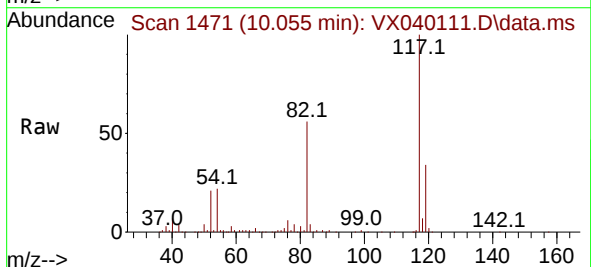
Manual Integrations
APPROVED

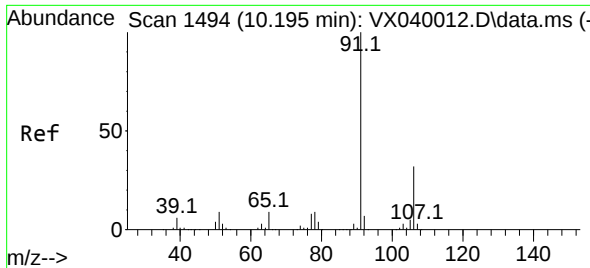
Reviewed By :John Carlone 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040111.D
Acq: 05 Feb 2024 13:22

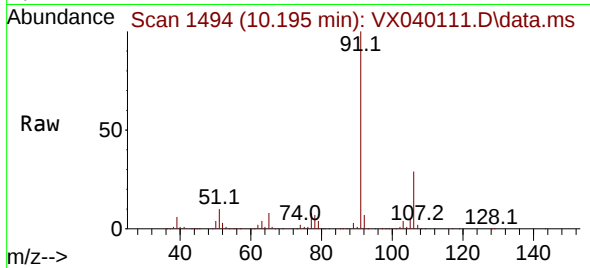
Tgt Ion:117 Resp: 165560
Ion Ratio Lower Upper
117 100
82 56.4 46.2 69.4
119 33.5 25.5 38.3





#67
Ethyl Benzene
Concen: 31.158 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX040111.D
Acq: 05 Feb 2024 13:22

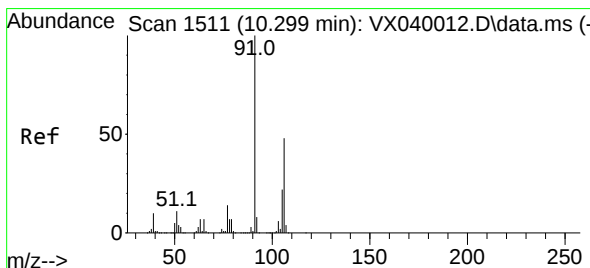
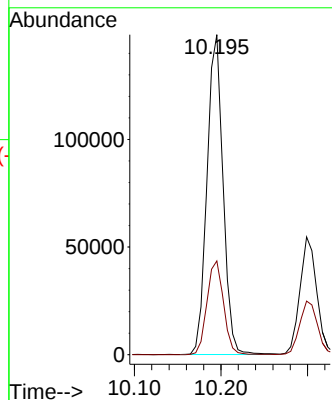
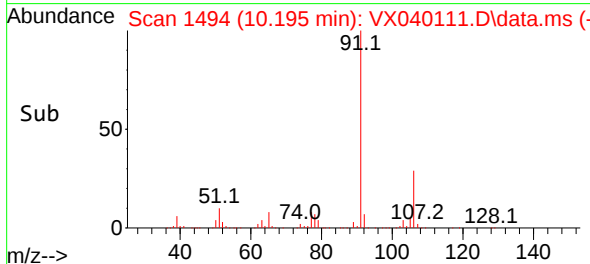
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A6014



Tgt Ion: 91 Resp: 191312
Ion Ratio Lower Upper
91 100
106 29.3 24.9 37.3

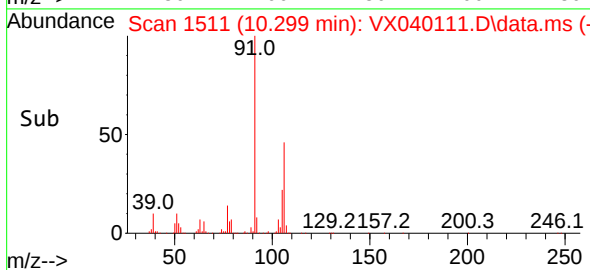
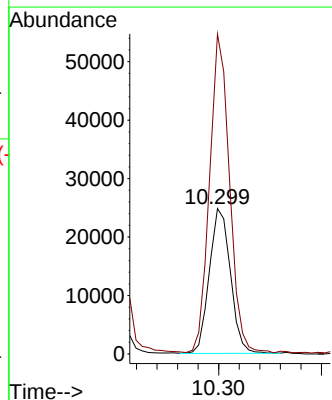
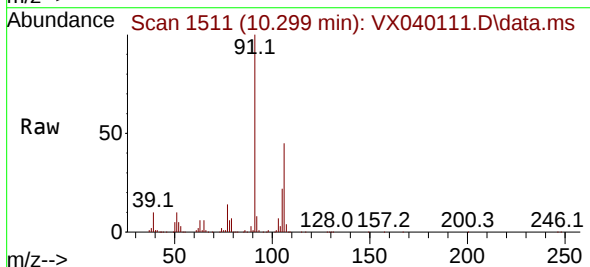
Manual Integrations
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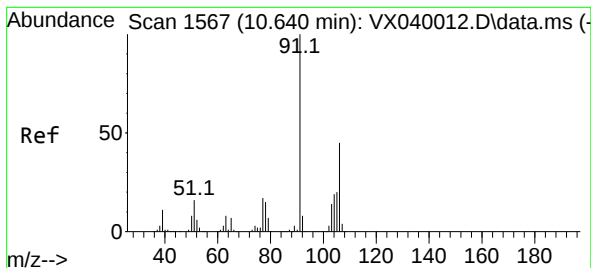
Reviewed By :John Carlone 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#68
m/p-Xylenes
Concen: 15.336 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX040111.D
Acq: 05 Feb 2024 13:22

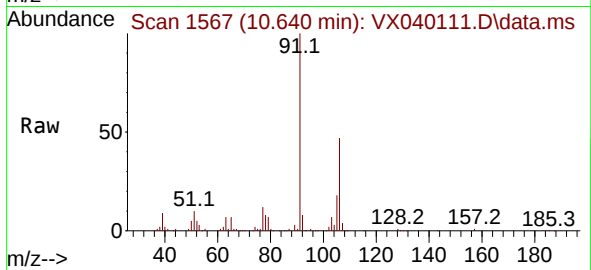
Tgt Ion:106 Resp: 35424
Ion Ratio Lower Upper
106 100
91 207.7 165.5 248.3





#69
o-Xylene
Concen: 9.098 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040111.D
Acq: 05 Feb 2024 13:22

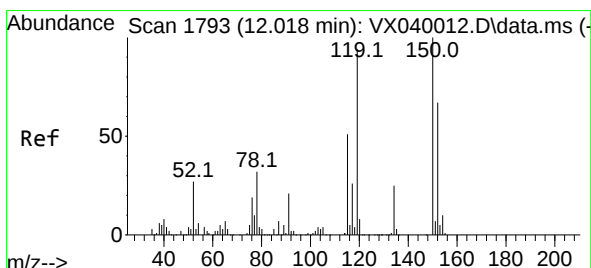
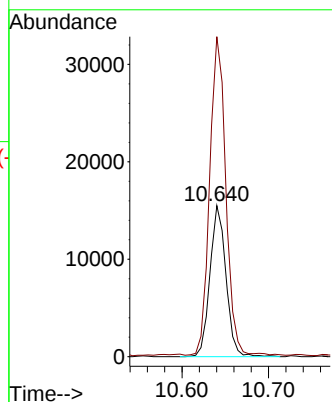
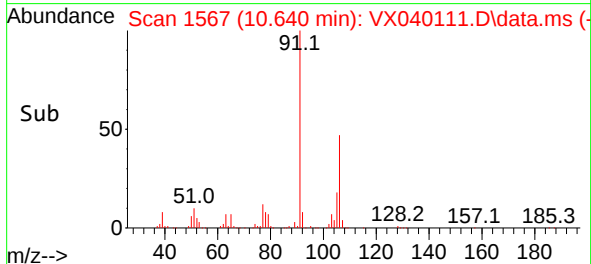
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A6014



Tgt Ion:106 Resp: 1993
Ion Ratio Lower Upper
106 100
91 212.2 108.9 326.8

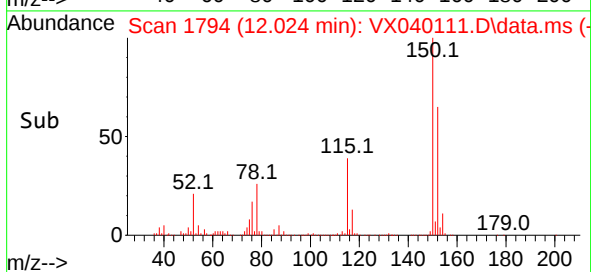
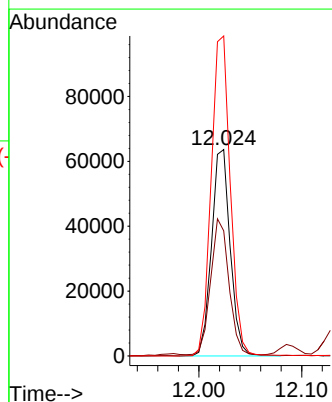
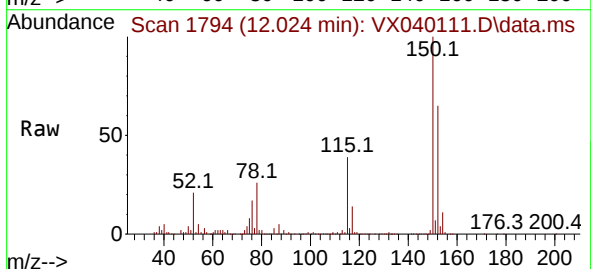
Manual Integrations
APPROVED

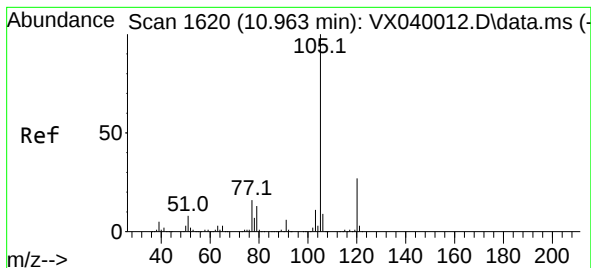
Reviewed By :John Carlone 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040111.D
Acq: 05 Feb 2024 13:22

Tgt Ion:152 Resp: 80603
Ion Ratio Lower Upper
152 100
115 64.0 43.3 129.9
150 158.5 0.0 345.0





#73

Isopropylbenzene

Concen: 14.058 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX040111.D

Acq: 05 Feb 2024 13:22

Instrument :

MSVOA_X

ClientSampleId :

FRAC-TANK-A6014

Tgt Ion:105 Resp: 81369

Ion Ratio Lower Upper

105 100

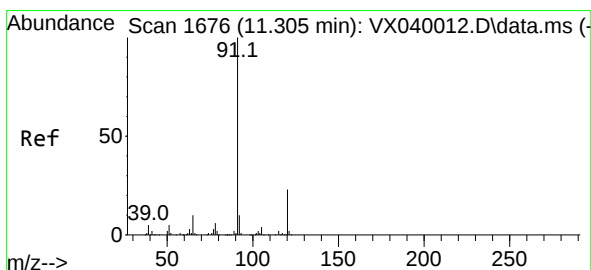
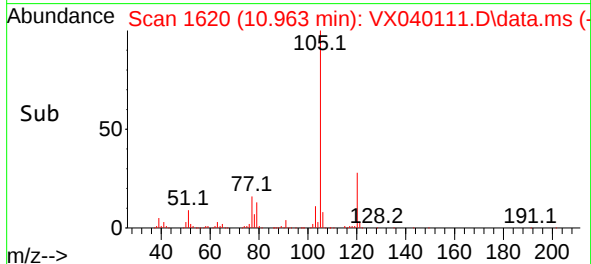
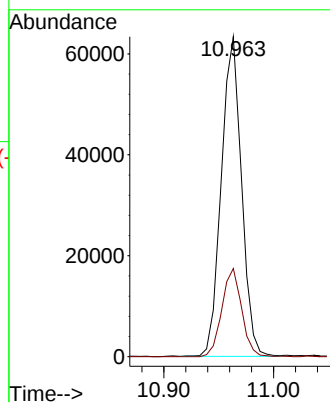
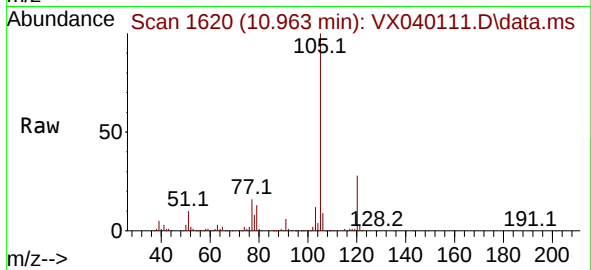
120 26.9 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/06/2024

Supervised By :Mahesh Dadoda 02/06/2024



#78

n-propylbenzene

Concen: 2.323 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX040111.D

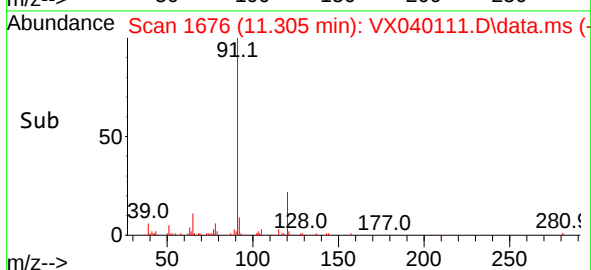
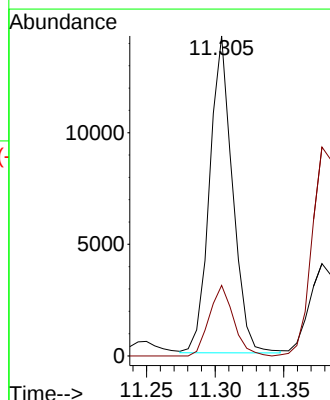
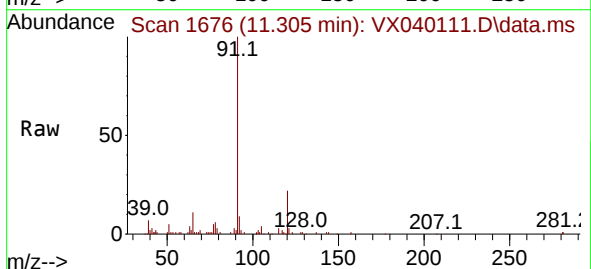
Acq: 05 Feb 2024 13:22

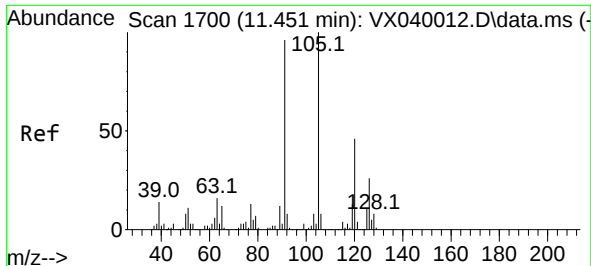
Tgt Ion: 91 Resp: 16543

Ion Ratio Lower Upper

91 100

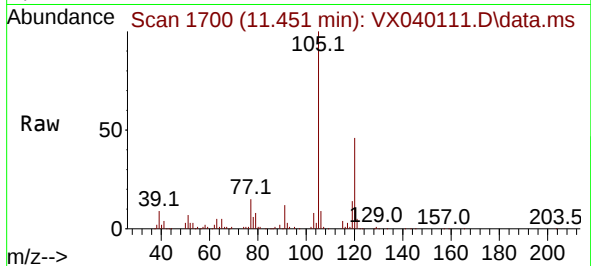
120 23.4 11.5 34.4





#80
1,3,5-Trimethylbenzene
Concen: 7.129 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX040111.D
Acq: 05 Feb 2024 13:22

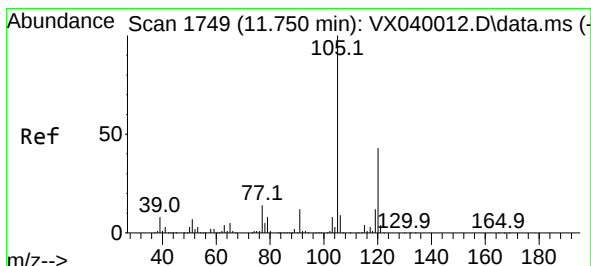
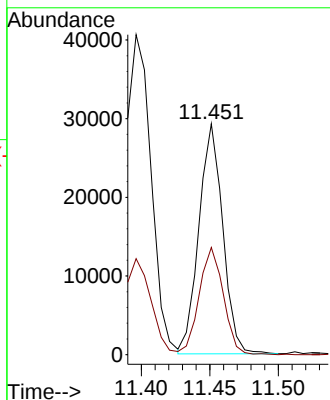
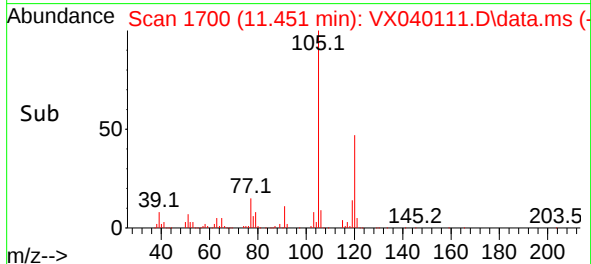
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A6014



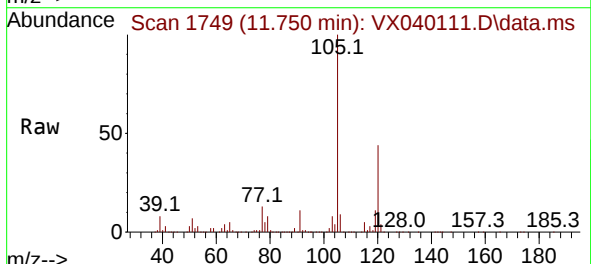
Tgt Ion:105 Resp: 35468
Ion Ratio Lower Upper
105 100
120 47.3 24.1 72.3

Manual Integrations
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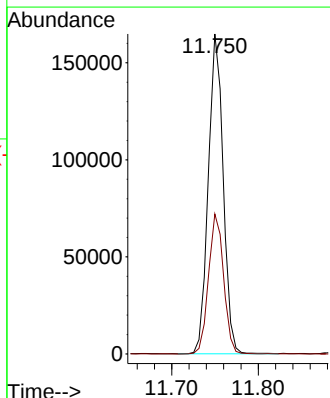
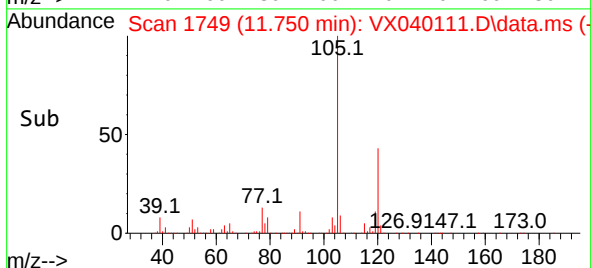
Reviewed By :John Carlone 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

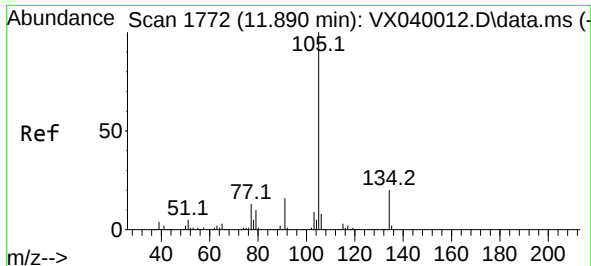


#84
1,2,4-Trimethylbenzene
Concen: 39.624 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX040111.D
Acq: 05 Feb 2024 13:22



Tgt Ion:105 Resp: 196725
Ion Ratio Lower Upper
105 100
120 44.3 21.2 63.6





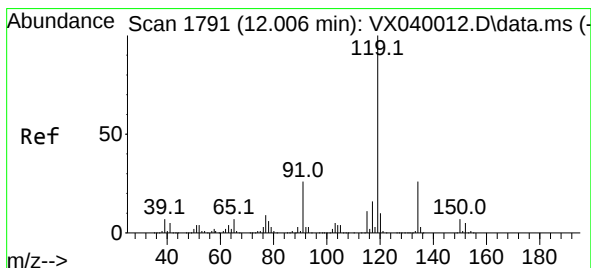
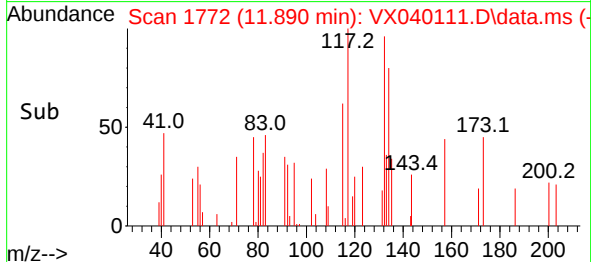
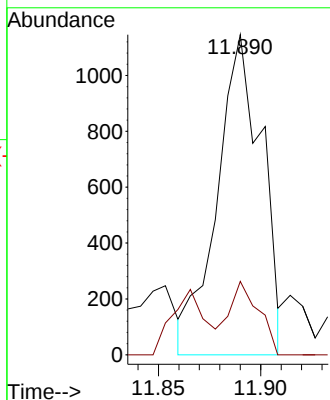
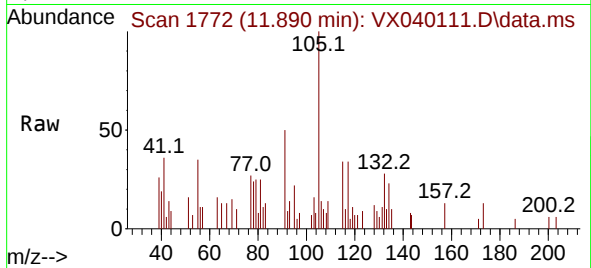
#85
 sec-Butylbenzene
 Concen: 0.276 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX040111.D
 Acq: 05 Feb 2024 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 FRAC-TANK-A6014

Tgt Ion:105 Resp: 1740
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.4

Manual Integrations
 APPROVED

Reviewed By :John Carlone 02/06/2024
 Supervised By :Mahesh Dadoda 02/06/2024



#86
 p-Isopropyltoluene
 Concen: 1.752 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX040111.D
 Acq: 05 Feb 2024 13:22

Tgt Ion:119 Resp: 9026
 Ion Ratio Lower Upper
 119 100
 134 29.1 12.8 38.3
 91 0.0 13.1 39.3

