

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062423\
 Data File : VX036318.D
 Acq On : 24 Jun 2023 17:48
 Operator : JC/MD
 Sample : 03379-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 230621028-02-VOA

Quant Time: Jun 26 03:27:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

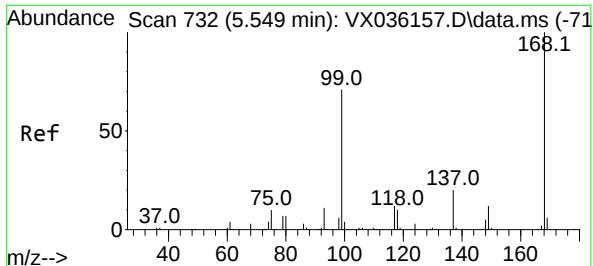
Manual Integrations APPROVED

Reviewed By :John Carlone 06/26/2023
 Supervised By :Mahesh Dadoda 06/26/2023

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

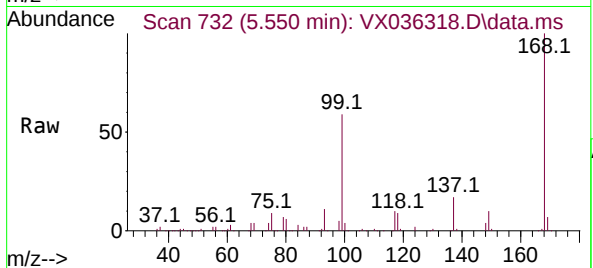
Internal Standards						
1) Pentafluorobenzene	5.550	168	194112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	333275	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	296134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	131823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	163057	58.602	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 117.200%#			
35) Dibromofluoromethane	5.385	113	123457	56.180	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.360%			
50) Toluene-d8	8.647	98	477024	58.119	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 116.240%#			
62) 4-Bromofluorobenzene	11.079	95	161250	55.776	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.560%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.995	59	1517394	2995.923	ug/l #	91
16) Acetone	2.392	43	684919	575.900	ug/l	94
17) Carbon Disulfide	2.514	76	11193	2.066	ug/l	97
18) Methyl Acetate	2.703	43	9022	1.845	ug/l #	87
25) 2-Butanone	4.562	43	1035748	606.130	ug/l	97
29) Tetrahydrofuran	5.013	42	253018	232.570	ug/l	96
40) Benzene	6.037	78	21169	2.313	ug/l	96
42) 1,2-Dichloroethane	6.086	62	1505	0.432	ug/l	96
49) 1,4-Dioxane	7.720	88	5135	87.226	ug/l #	83
51) 4-Methyl-2-Pentanone	8.574	43	38476	11.213	ug/l	100
52) Toluene	8.720	92	27339	4.714	ug/l	97
59) 2-Hexanone	9.433	43	8389	3.348	ug/l	94
65) Chlorobenzene	10.079	112	3749	0.602	ug/l	96
67) Ethyl Benzene	10.195	91	36807	3.326	ug/l	98
68) m/p-Xylenes	10.299	106	15562	3.619	ug/l	96
69) o-Xylene	10.640	106	11256	2.711	ug/l	86
73) Isopropylbenzene	10.963	105	3524	0.355	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	3717	0.442	ug/l	88
84) 1,2,4-Trimethylbenzene	11.750	105	12943m	1.555	ug/l	
86) p-Isopropyltoluene	12.012	119	4952	0.578	ug/l #	82
88) 1,4-Dichlorobenzene	12.036	146	6927	1.515	ug/l #	75
95) Naphthalene	13.774	128	177460	19.720	ug/l	100

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036318.D
Acq: 24 Jun 2023 17:48

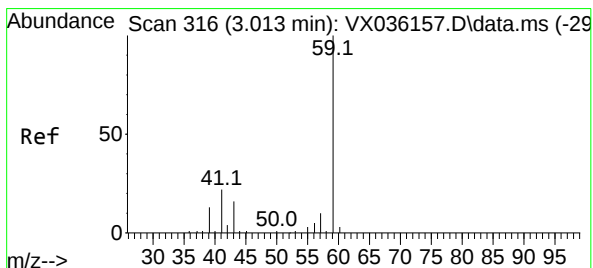
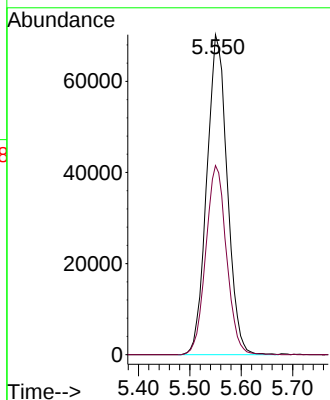
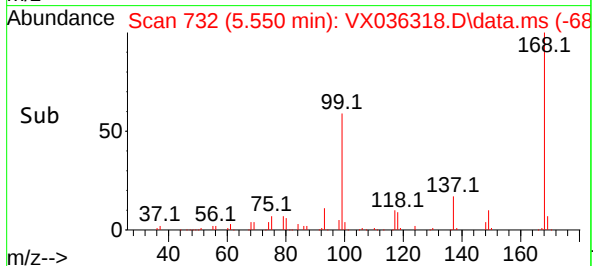
Instrument :
MSVOA_X
ClientSampleId :
230621028-02-VOA



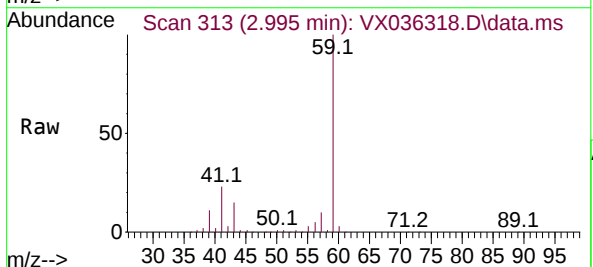
Tgt Ion:168 Resp: 19411
Ion Ratio Lower Upper
168 100
99 59.1 56.6 85.0

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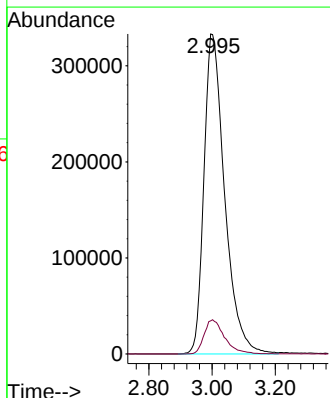
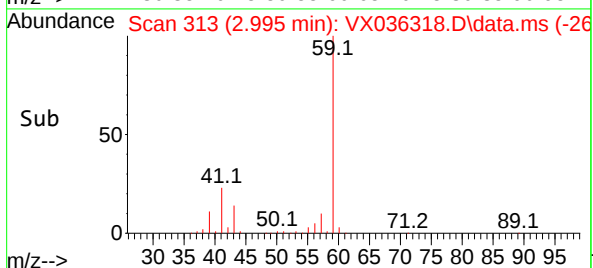
Reviewed By :John Carlone 06/26/2023
Supervised By :Mahesh Dadoda 06/26/2023

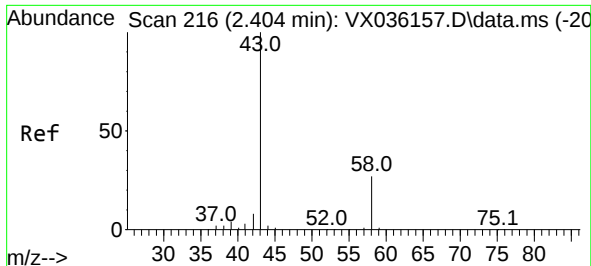


#11
Tert butyl alcohol
Concen: 2995.923 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.018 min
Lab File: VX036318.D
Acq: 24 Jun 2023 17:48



Tgt Ion: 59 Resp: 1517394
Ion Ratio Lower Upper
59 100
57 10.6 6.0 9.0#





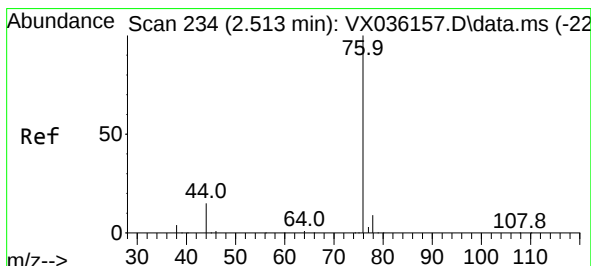
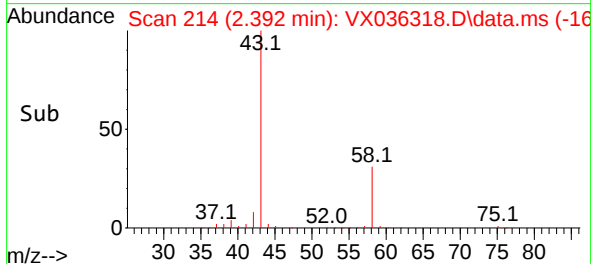
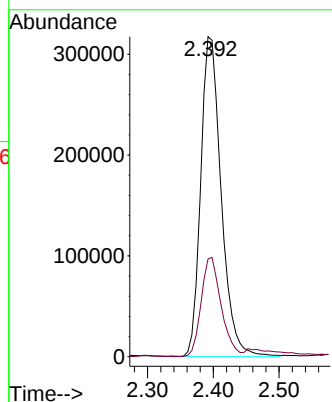
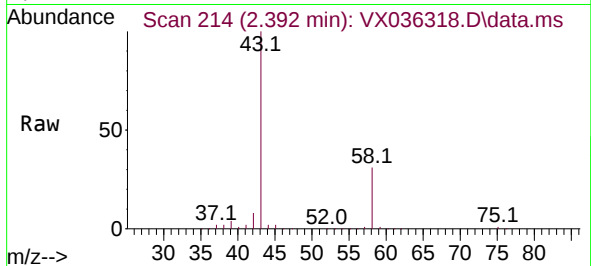
#16
Acetone
Concen: 575.900 ug/l
RT: 2.392 min Scan# 216
Delta R.T. -0.012 min
Lab File: VX036318.D
Acq: 24 Jun 2023 17:48

Instrument :
MSVOA_X
ClientSampleId :
230621028-02-VOA

Tgt Ion: 43 Resp: 684919
Ion Ratio Lower Upper
43 100
58 30.5 21.9 32.9

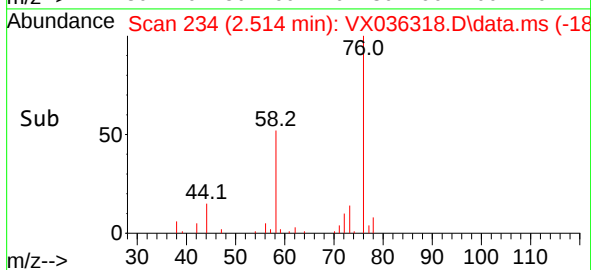
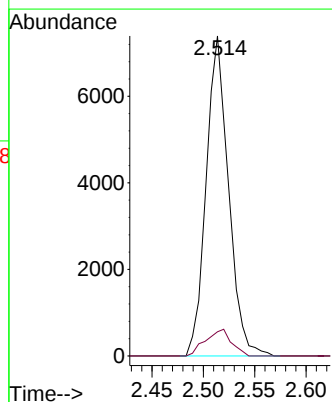
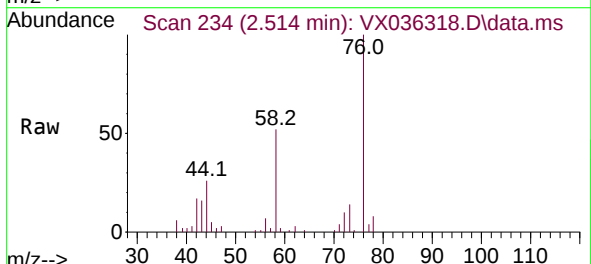
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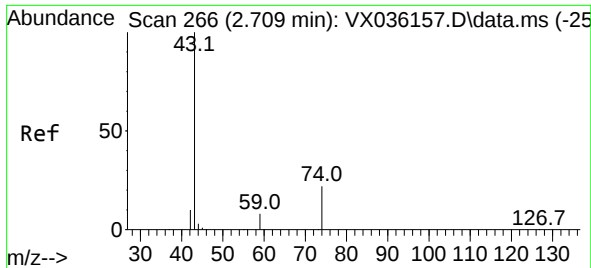
Reviewed By :John Carlone 06/26/2023
Supervised By :Mahesh Dadoda 06/26/2023



#17
Carbon Disulfide
Concen: 2.066 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.001 min
Lab File: VX036318.D
Acq: 24 Jun 2023 17:48

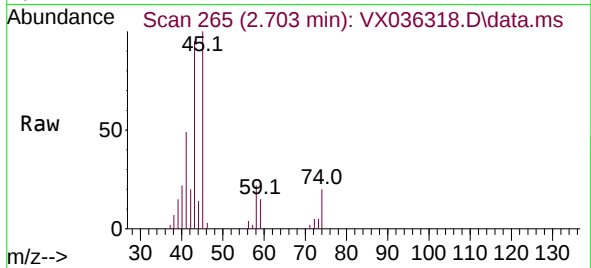
Tgt Ion: 76 Resp: 11193
Ion Ratio Lower Upper
76 100
78 7.5 7.0 10.6





#18
Methyl Acetate
Concen: 1.845 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX036318.D
Acq: 24 Jun 2023 17:48

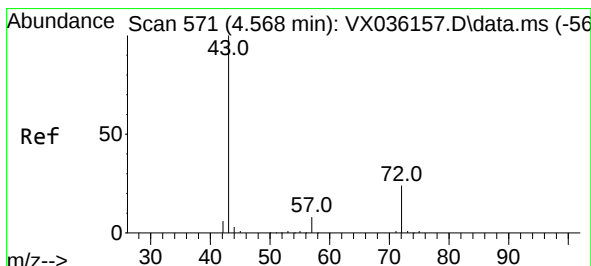
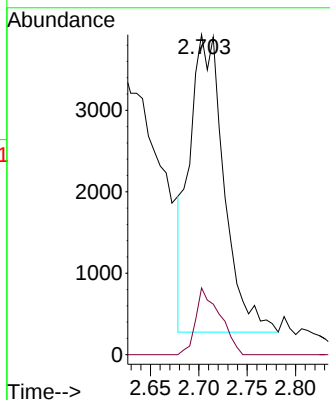
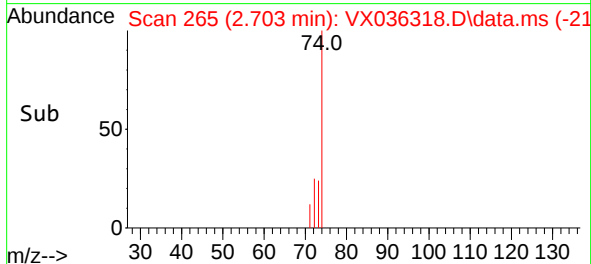
Instrument :
MSVOA_X
ClientSampleId :
230621028-02-VOA



Tgt Ion: 43 Resp: 902
Ion Ratio Lower Upper
43 100
74 15.9 17.8 26.8

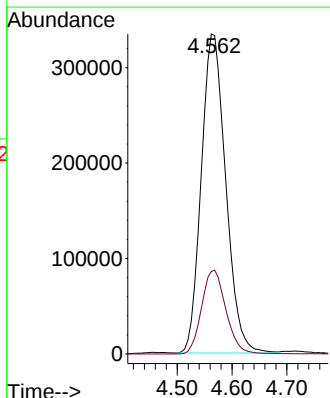
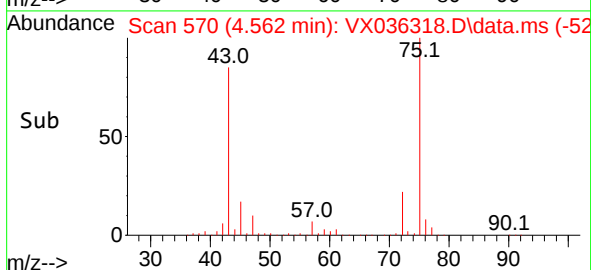
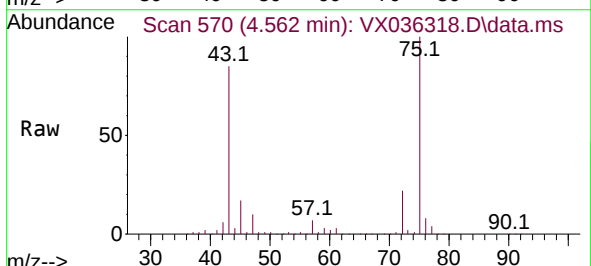
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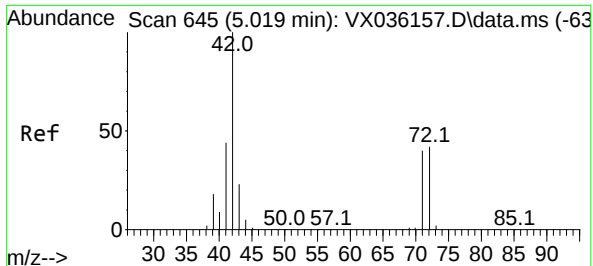
Reviewed By :John Carlone 06/26/2023
Supervised By :Mahesh Dadoda 06/26/2023



#25
2-Butanone
Concen: 606.130 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.006 min
Lab File: VX036318.D
Acq: 24 Jun 2023 17:48

Tgt Ion: 43 Resp: 1035748
Ion Ratio Lower Upper
43 100
72 25.8 19.4 29.2





#29

Tetrahydrofuran

Concen: 232.570 ug/l

RT: 5.013 min Scan# 645

Delta R.T. -0.006 min

Lab File: VX036318.D

Acq: 24 Jun 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

230621028-02-VOA

Tgt Ion: 42 Resp: 253018

Ion Ratio Lower Upper

42 100

72 45.5 34.2 51.4

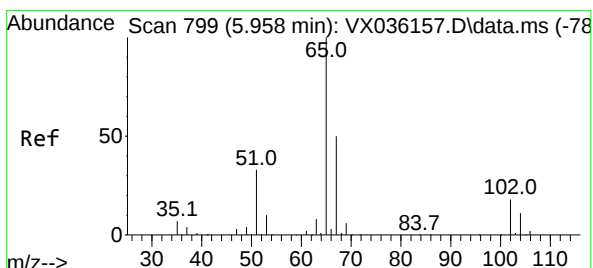
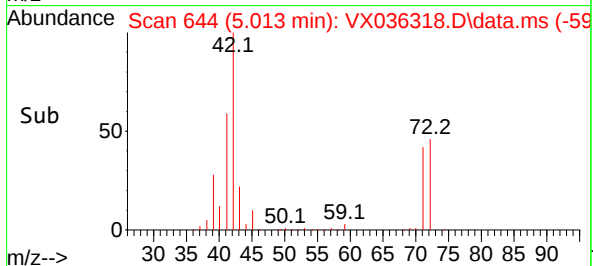
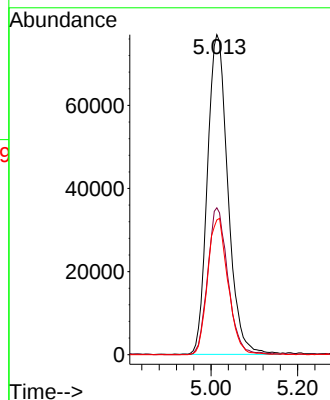
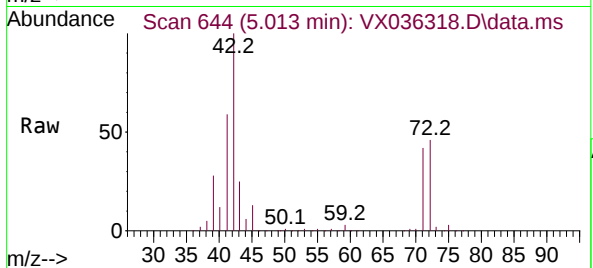
71 42.4 32.2 48.2

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Reviewed By :John Carlone 06/26/2023

Supervised By :Mahesh Dadoda 06/26/2023



#33

1,2-Dichloroethane-d4

Concen: 58.602 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX036318.D

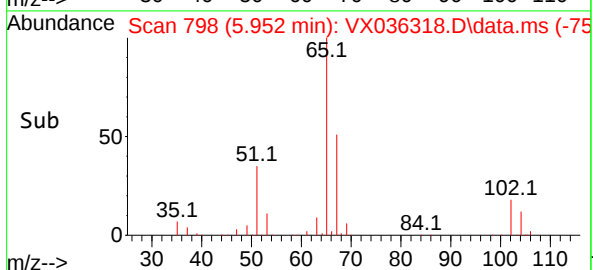
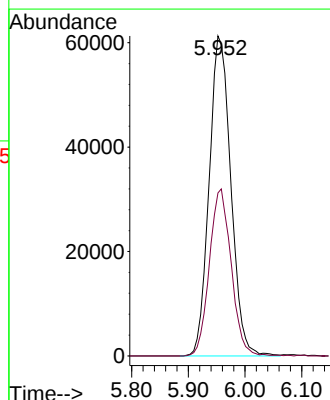
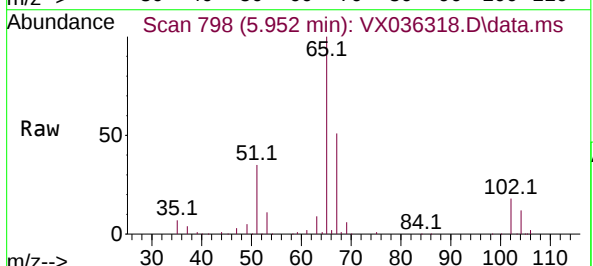
Acq: 24 Jun 2023 17:48

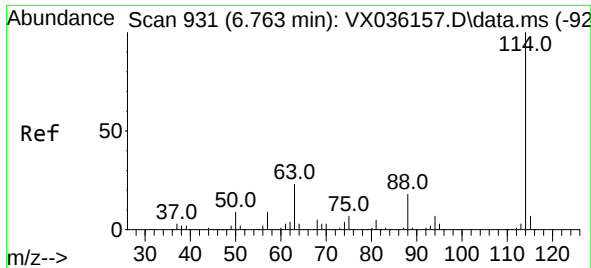
Tgt Ion: 65 Resp: 163057

Ion Ratio Lower Upper

65 100

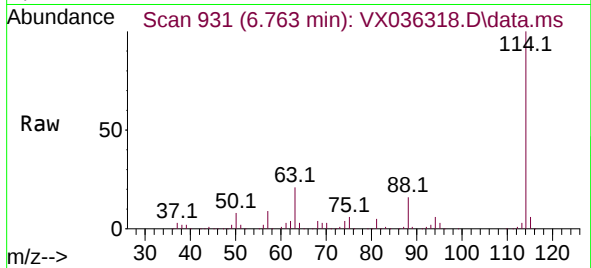
67 52.2 0.0 100.2





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX036318.D
Acq: 24 Jun 2023 17:48

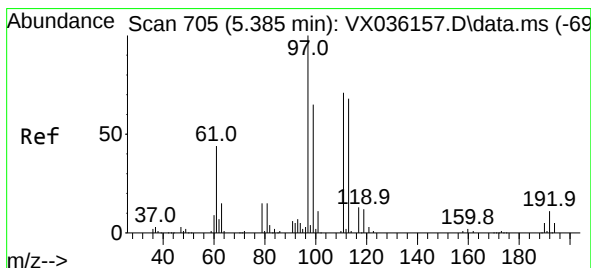
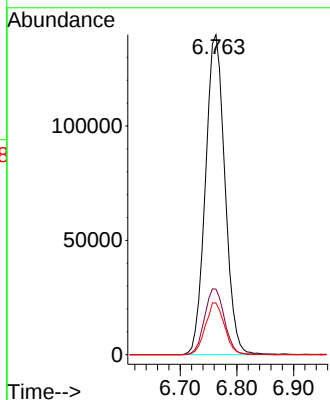
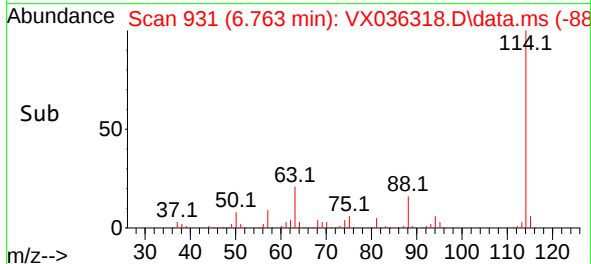
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MSVOA_X
ClientSampleId :
230621028-02-VOA



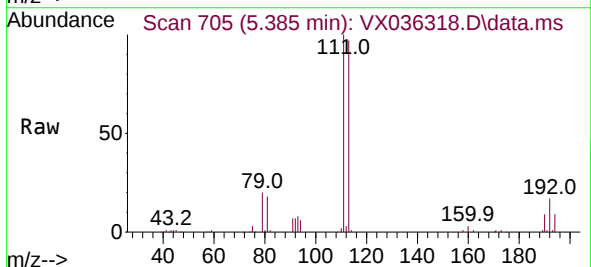
Tgt Ion:114 Resp: 333275
Ion Ratio Lower Upper
114 100
63 20.5 0.0 45.0
88 16.2 0.0 36.6

Manual Integrations
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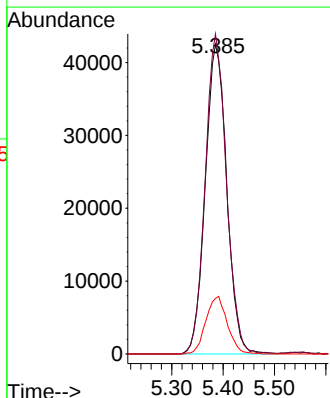
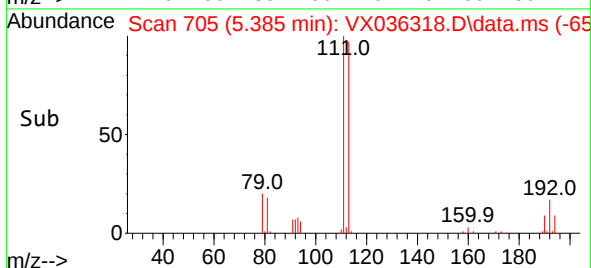
Reviewed By :John Carlone 06/26/2023
Supervised By :Mahesh Dadoda 06/26/2023

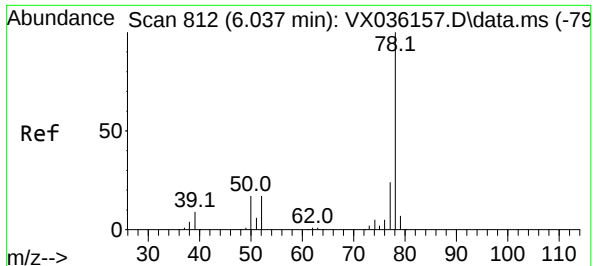


#35
Dibromofluoromethane
Concen: 56.180 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036318.D
Acq: 24 Jun 2023 17:48



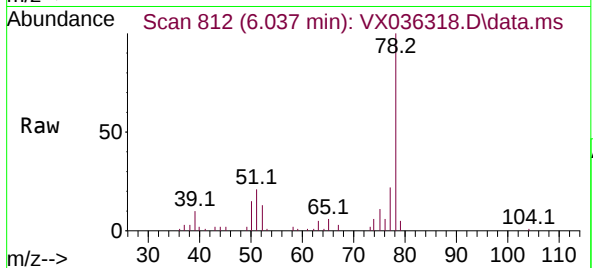
Tgt Ion:113 Resp: 123457
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 18.5 13.3 19.9





#40
Benzene
Concen: 2.313 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX036318.D
Acq: 24 Jun 2023 17:48

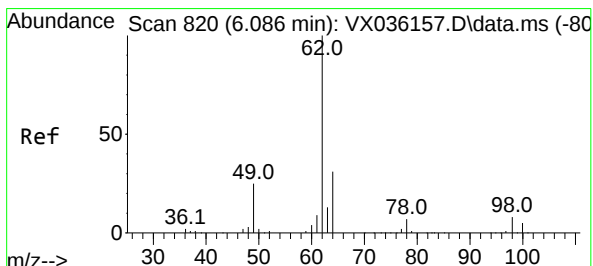
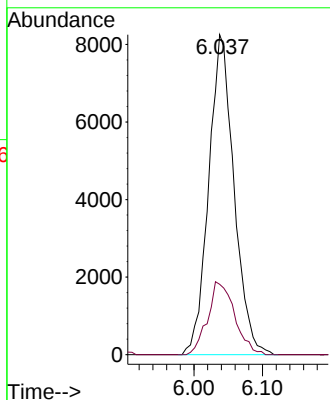
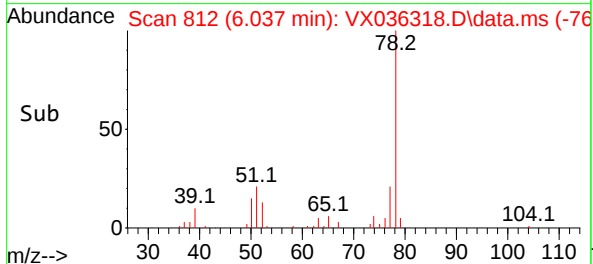
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Tgt Ion: 78 Resp: 21169
Ion Ratio Lower Upper
78 100
77 22.0 19.3 28.9

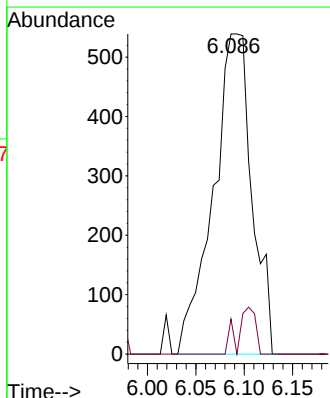
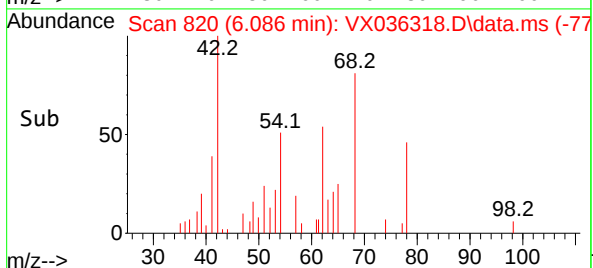
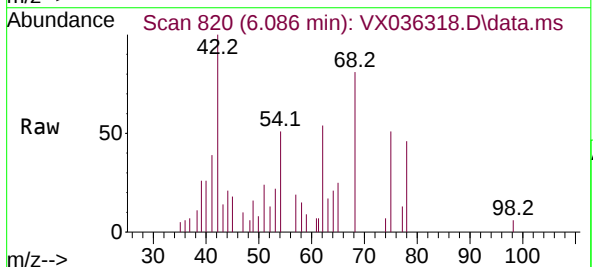
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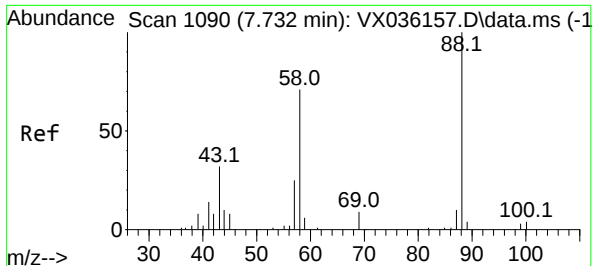
Reviewed By :John Carlone 06/26/2023
Supervised By :Mahesh Dadoda 06/26/2023



#42
1,2-Dichloroethane
Concen: 0.432 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX036318.D
Acq: 24 Jun 2023 17:48

Tgt Ion: 62 Resp: 1505
Ion Ratio Lower Upper
62 100
98 6.6 0.0 16.0





#49

1,4-Dioxane

Concen: 87.226 ug/l

RT: 7.720 min Scan# 1090

Delta R.T. -0.012 min

Lab File: VX036318.D

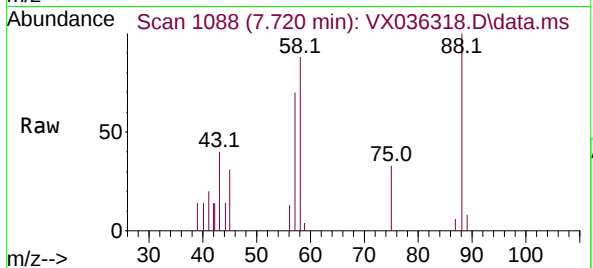
Acq: 24 Jun 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

230621028-02-VOA



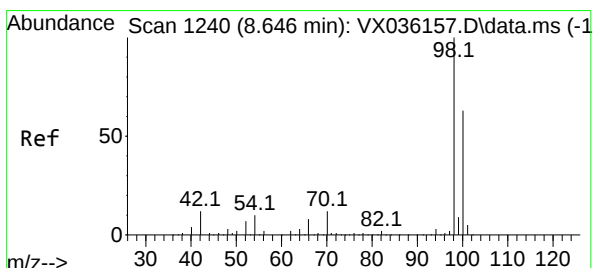
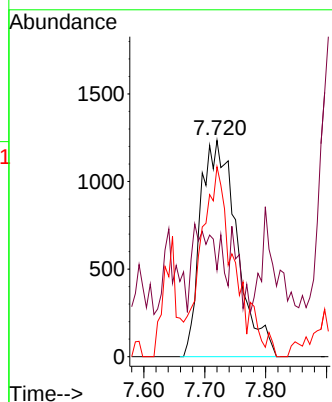
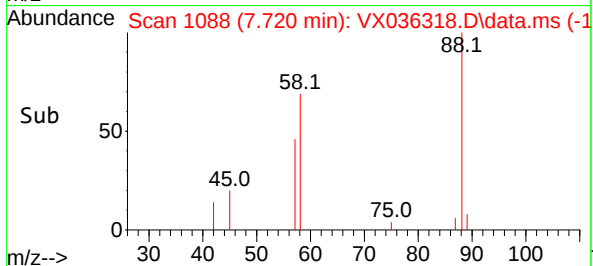
Tgt Ion:	88	Resp:	513
Ion Ratio	100	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	60.9	60.1	90.1

Manual Integrations

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Supervised By :Mahesh Dadoda 06/26/2023



#50

Toluene-d8

Concen: 58.119 ug/l

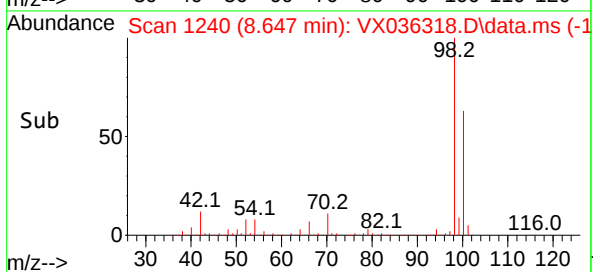
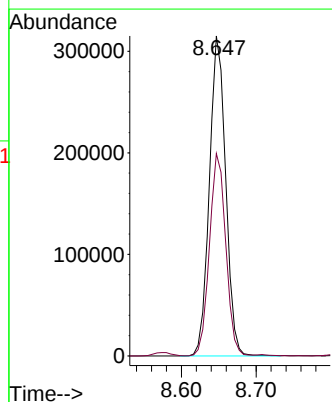
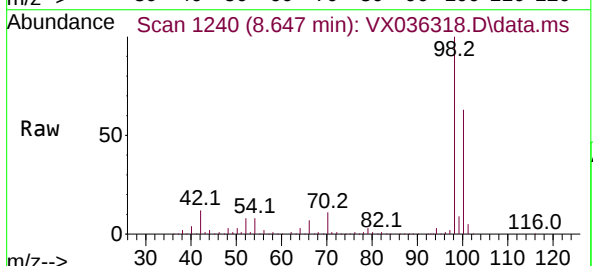
RT: 8.647 min Scan# 1240

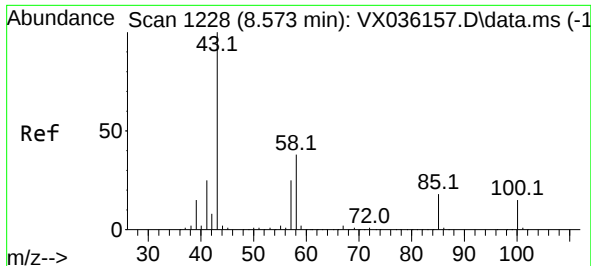
Delta R.T. 0.001 min

Lab File: VX036318.D

Acq: 24 Jun 2023 17:48

Tgt Ion:	98	Resp:	477024
Ion Ratio	100	Lower	Upper
98	100		
100	63.1	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 11.213 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.001 min

Lab File: VX036318.D

Acq: 24 Jun 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

230621028-02-VOA

Tgt Ion: 43 Resp: 38470

Ion Ratio Lower Upper

43 100

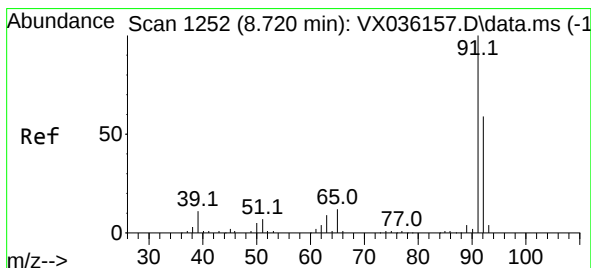
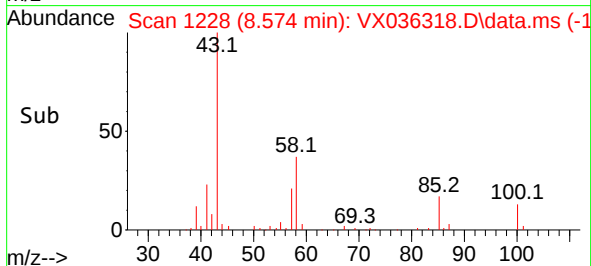
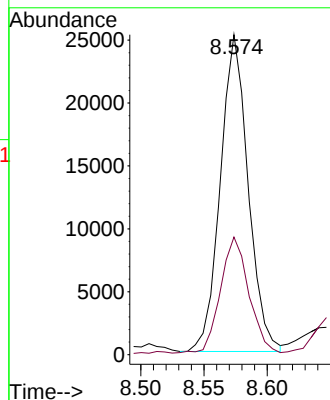
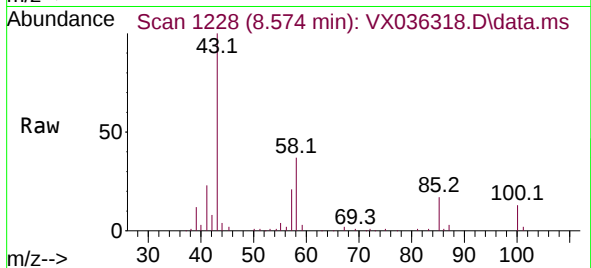
58 38.3 30.4 45.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/26/2023

Supervised By :Mahesh Dadoda 06/26/2023



#52

Toluene

Concen: 4.714 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX036318.D

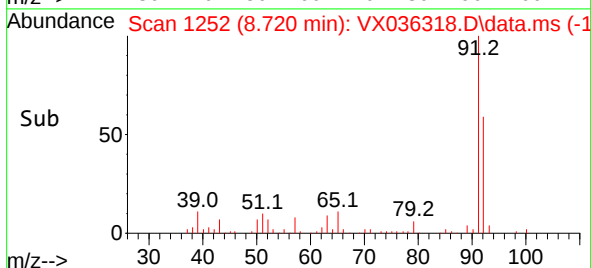
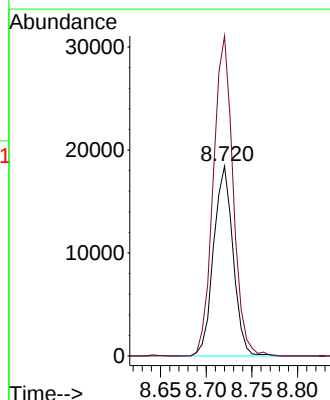
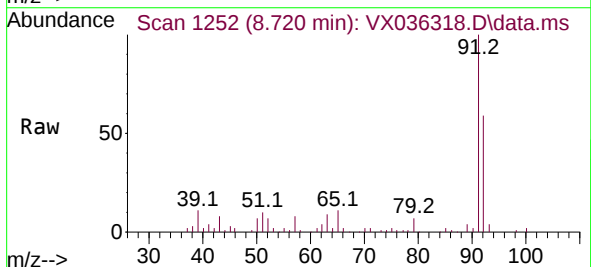
Acq: 24 Jun 2023 17:48

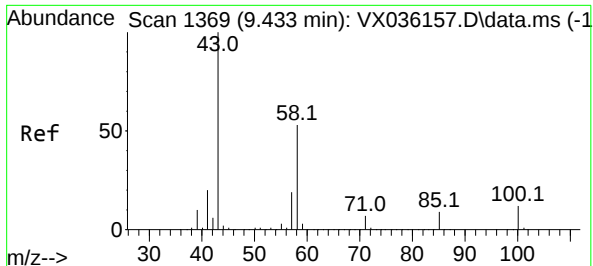
Tgt Ion: 92 Resp: 27339

Ion Ratio Lower Upper

92 100

91 171.1 134.2 201.2





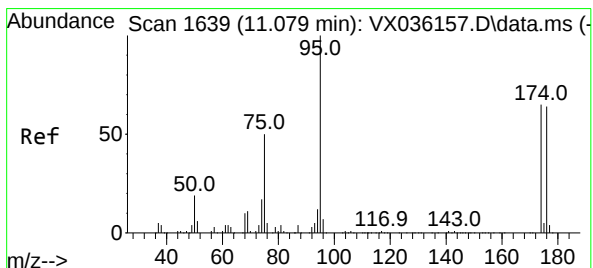
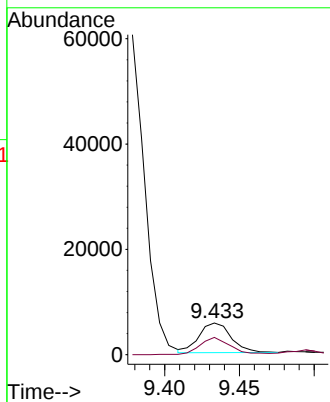
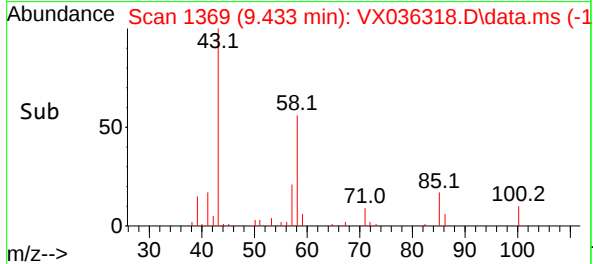
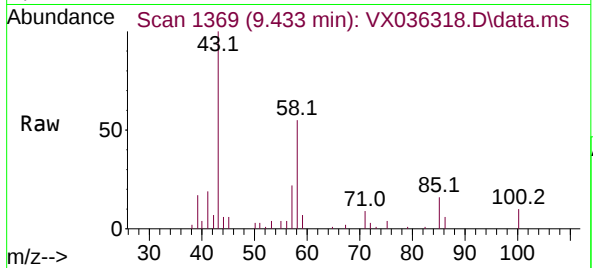
#59
2-Hexanone
Concen: 3.348 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX036318.D
Acq: 24 Jun 2023 17:48

Instrument :
MSVOA_X
ClientSampleId :
230621028-02-VOA

Tgt Ion: 43 Resp: 8389
Ion Ratio Lower Upper
43 100
58 56.5 26.2 78.5

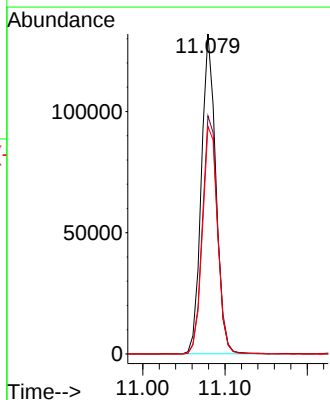
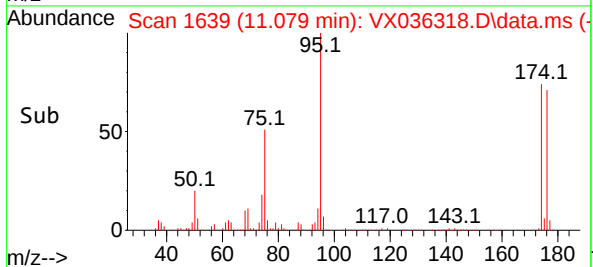
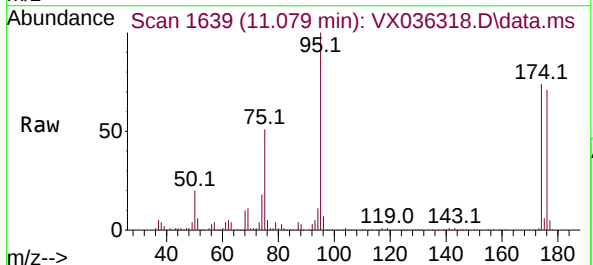
Manual Integrations
APPROVED

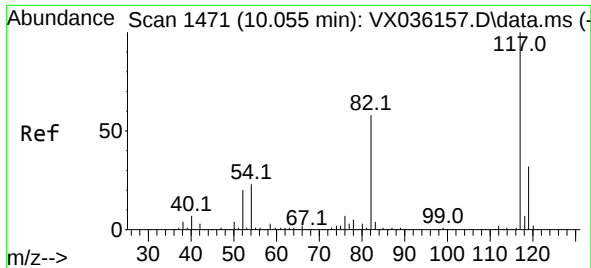
Reviewed By :John Carlone 06/26/2023
Supervised By :Mahesh Dadoda 06/26/2023



#62
4-Bromofluorobenzene
Concen: 55.776 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036318.D
Acq: 24 Jun 2023 17:48

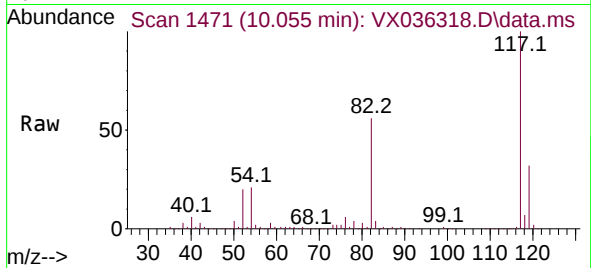
Tgt Ion: 95 Resp: 161250
Ion Ratio Lower Upper
95 100
174 78.1 0.0 135.6
176 74.4 0.0 131.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036318.D
Acq: 24 Jun 2023 17:48

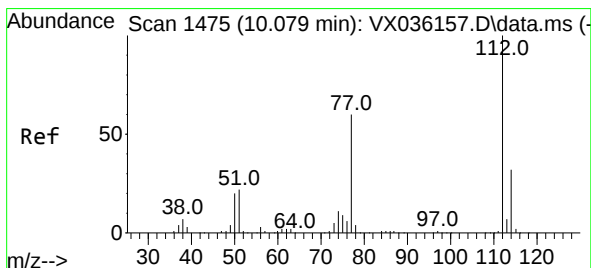
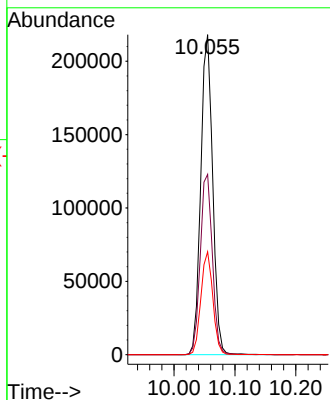
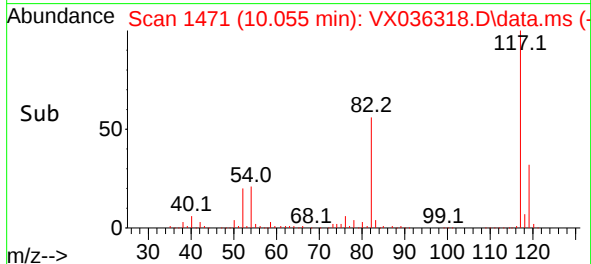
Instrument :
MSVOA_X
ClientSampleId :
230621028-02-VOA



Tgt Ion:117 Resp: 296134
Ion Ratio Lower Upper
117 100
82 56.4 46.2 69.4
119 32.2 25.5 38.3

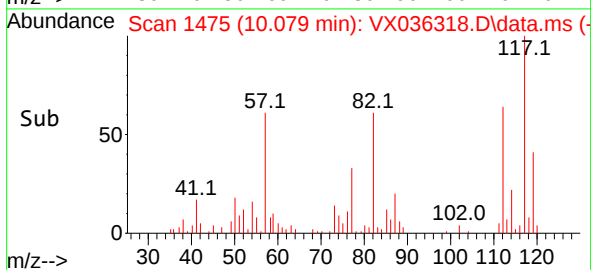
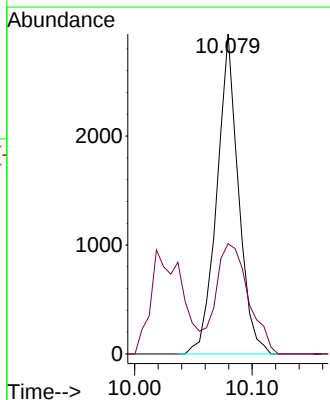
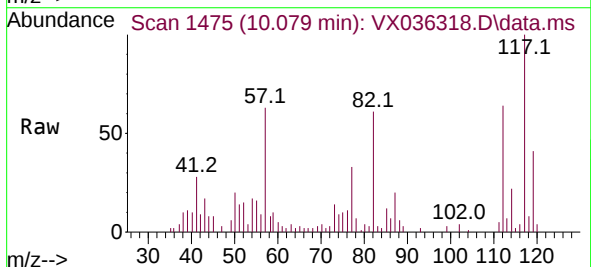
Manual Integrations
APPROVED

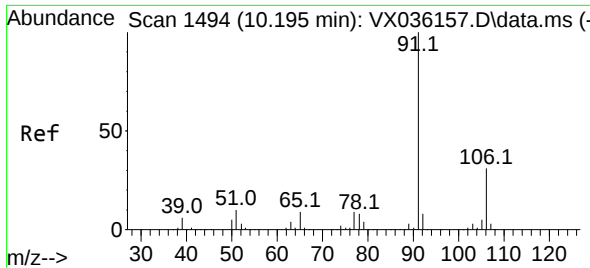
Reviewed By :John Carlone 06/26/2023
Supervised By :Mahesh Dadoda 06/26/2023



#65
Chlorobenzene
Concen: 0.602 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX036318.D
Acq: 24 Jun 2023 17:48

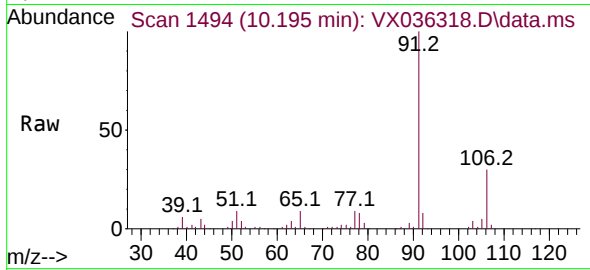
Tgt Ion:112 Resp: 3749
Ion Ratio Lower Upper
112 100
114 34.5 25.7 38.5





#67
Ethyl Benzene
Concen: 3.326 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036318.D
Acq: 24 Jun 2023 17:48

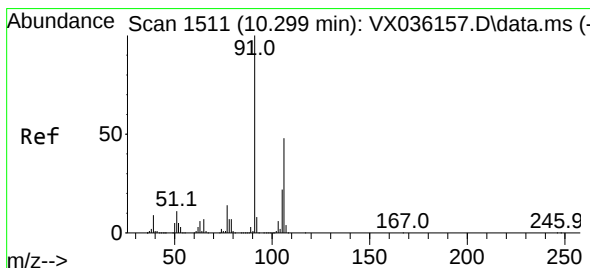
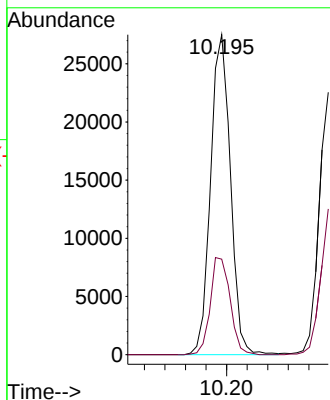
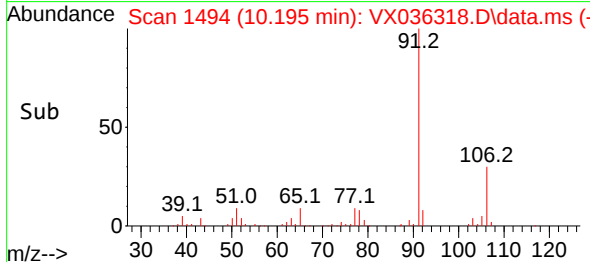
Instrument :
MSVOA_X
ClientSampleId :
230621028-02-VOA



Tgt Ion: 91 Resp: 3680
Ion Ratio Lower Upper
91 100
106 29.9 24.9 37.3

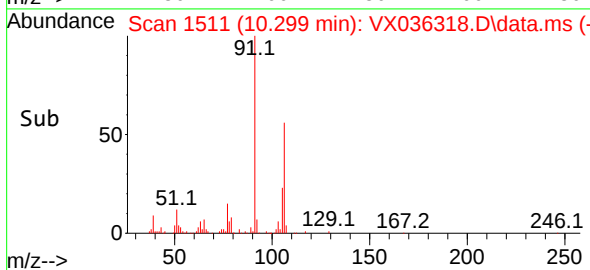
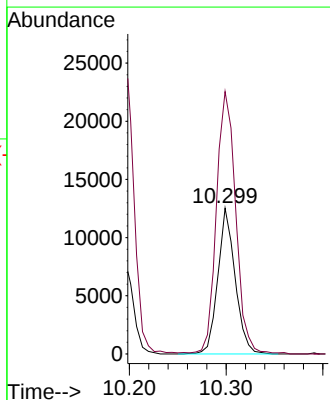
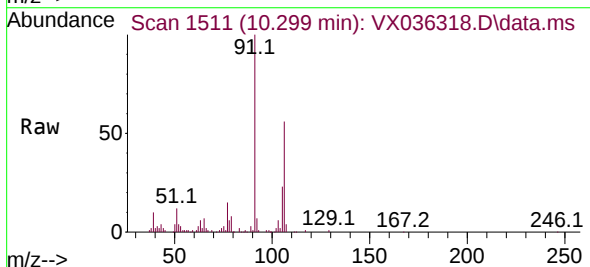
Manual Integrations
APPROVED

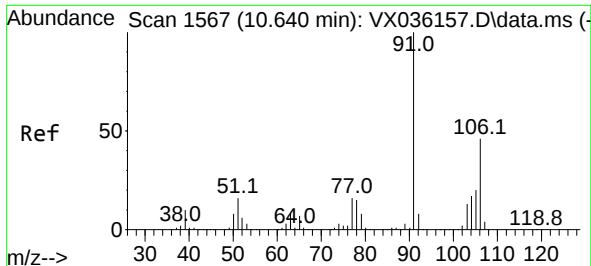
Reviewed By :John Carlone 06/26/2023
Supervised By :Mahesh Dadoda 06/26/2023



#68
m/p-Xylenes
Concen: 3.619 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX036318.D
Acq: 24 Jun 2023 17:48

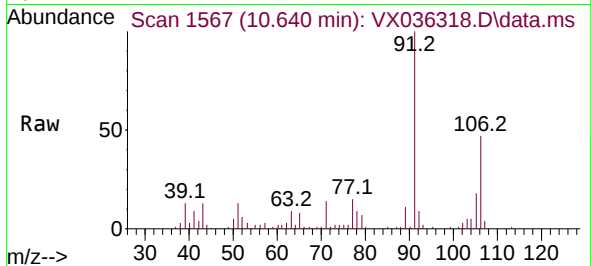
Tgt Ion:106 Resp: 15562
Ion Ratio Lower Upper
106 100
91 201.1 165.5 248.3





#69
o-Xylene
Concen: 2.711 ug/l
RT: 10.640 min Scan# 1125
Delta R.T. 0.000 min
Lab File: VX036318.D
Acq: 24 Jun 2023 17:48

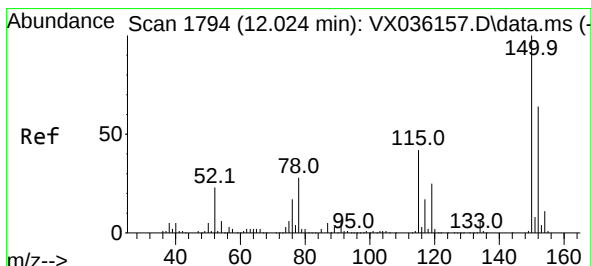
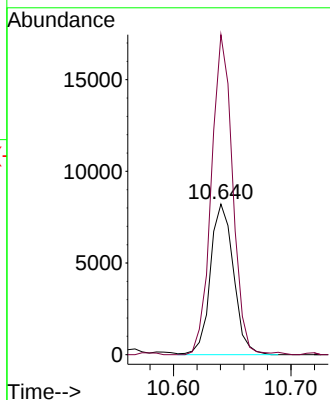
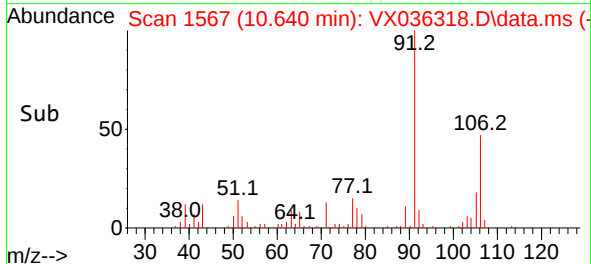
Instrument :
MSVOA_X
ClientSampleId :
230621028-02-VOA



Tgt Ion:106 Resp: 1125
Ion Ratio Lower Upper
106 100
91 195.6 108.9 326.8

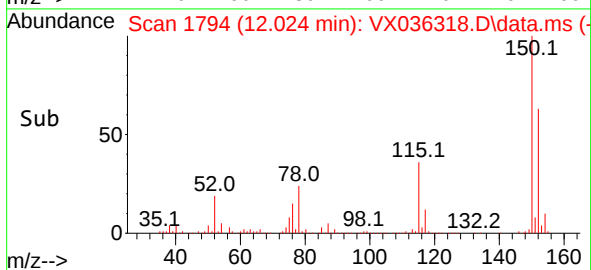
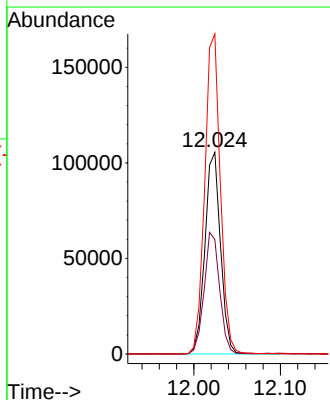
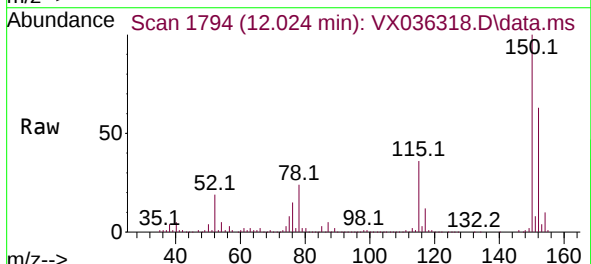
Manual Integrations
APPROVED

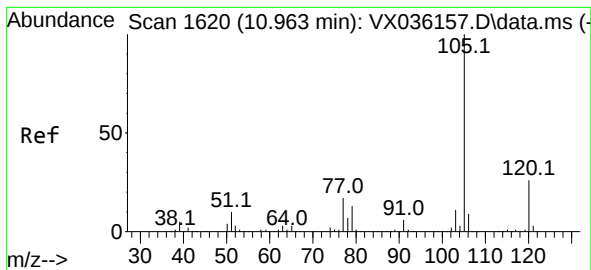
Reviewed By :John Carlone 06/26/2023
Supervised By :Mahesh Dadoda 06/26/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036318.D
Acq: 24 Jun 2023 17:48

Tgt Ion:152 Resp: 131823
Ion Ratio Lower Upper
152 100
115 59.9 43.3 129.9
150 158.9 0.0 345.0





#73

Isopropylbenzene

Concen: 0.355 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036318.D

Acq: 24 Jun 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

230621028-02-VOA

Tgt Ion:105 Resp: 3524

Ion Ratio Lower Upper

105 100

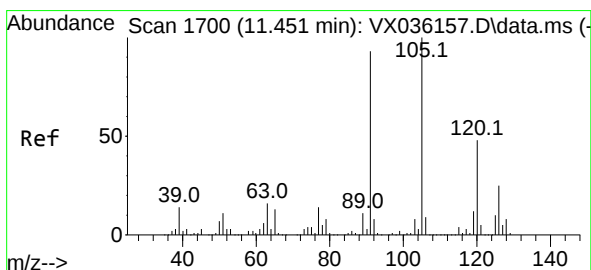
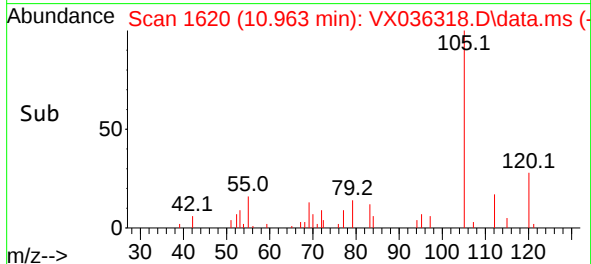
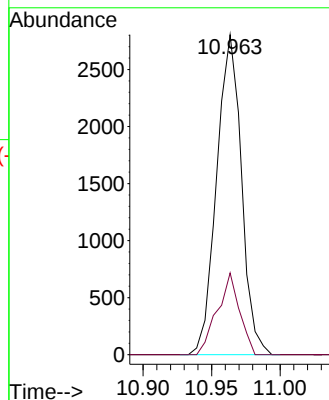
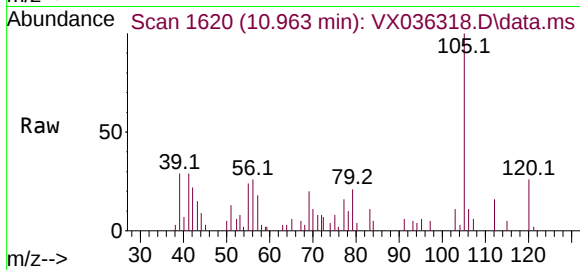
120 22.9 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/26/2023

Supervised By :Mahesh Dadoda 06/26/2023



#80

1,3,5-Trimethylbenzene

Concen: 0.442 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX036318.D

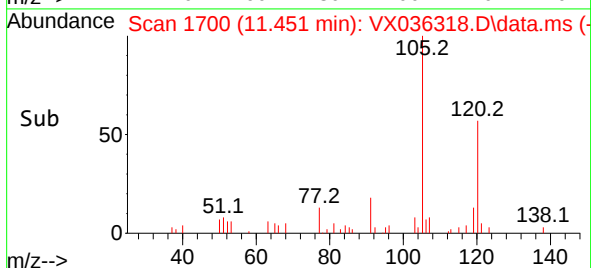
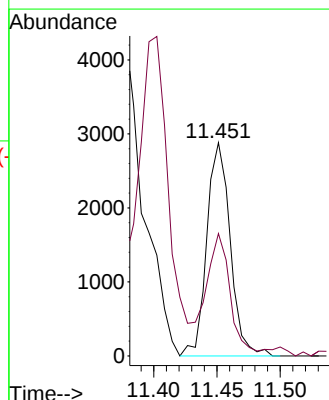
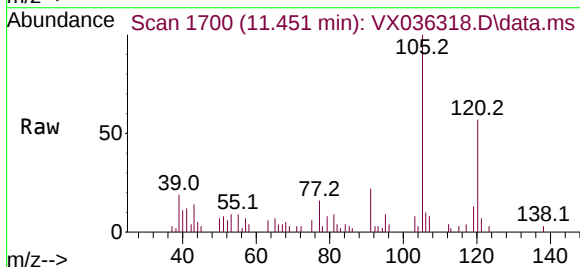
Acq: 24 Jun 2023 17:48

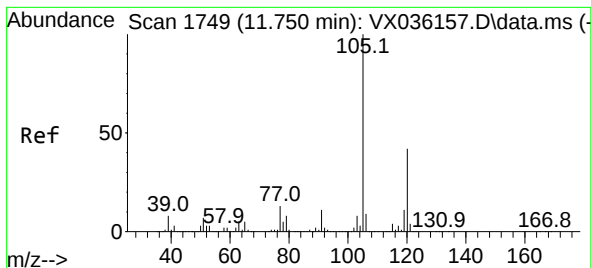
Tgt Ion:105 Resp: 3717

Ion Ratio Lower Upper

105 100

120 56.1 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 1.555 ug/l m

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX036318.D

Acq: 24 Jun 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

230621028-02-VOA

Tgt Ion:105 Resp: 1294

Ion Ratio Lower Upper

105 100

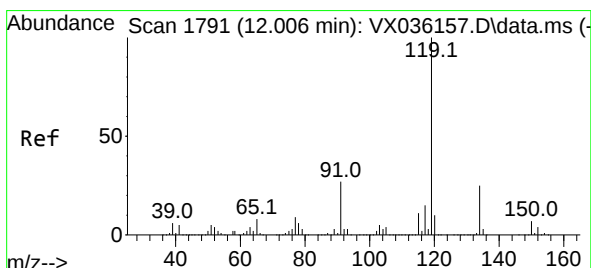
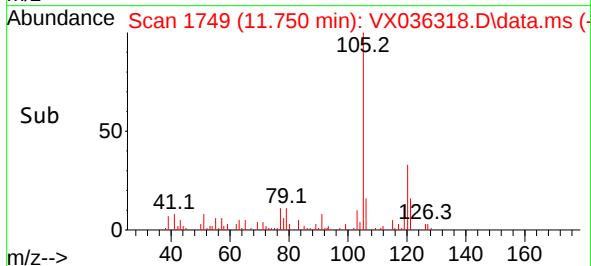
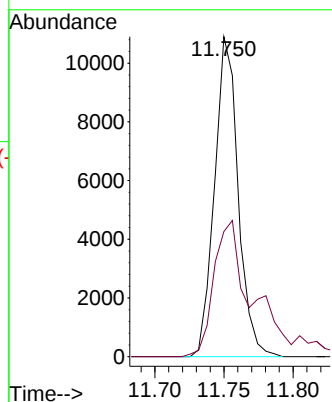
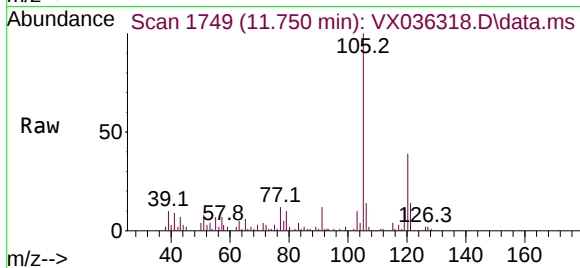
120 14.5 21.2 63.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/26/2023

Supervised By :Mahesh Dadoda 06/26/2023



#86

p-Isopropyltoluene

Concen: 0.578 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX036318.D

Acq: 24 Jun 2023 17:48

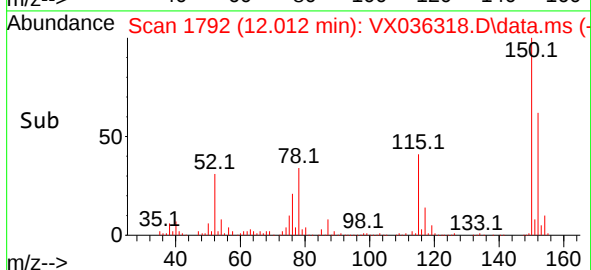
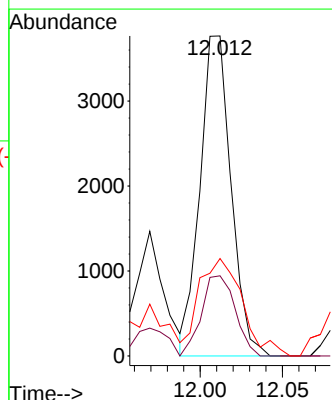
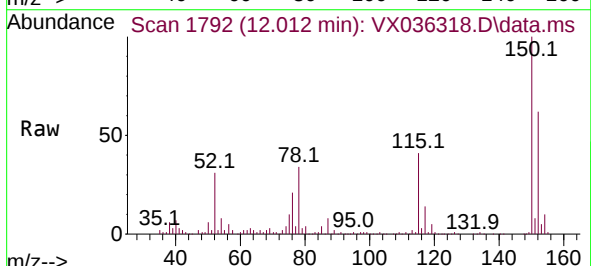
Tgt Ion:119 Resp: 4952

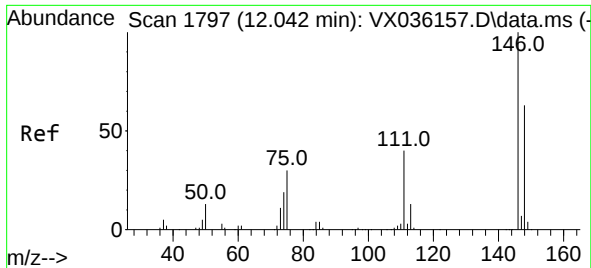
Ion Ratio Lower Upper

119 100

134 27.2 12.8 38.3

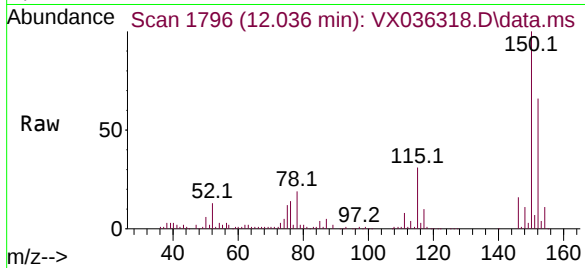
91 42.6 13.1 39.3





#88
1,4-Dichlorobenzene
Concen: 1.515 ug/l
RT: 12.036 min Scan# 1797
Delta R.T. -0.006 min
Lab File: VX036318.D
Acq: 24 Jun 2023 17:48

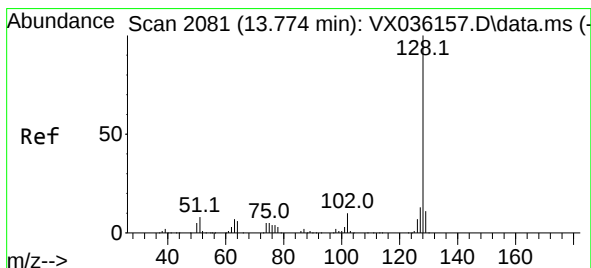
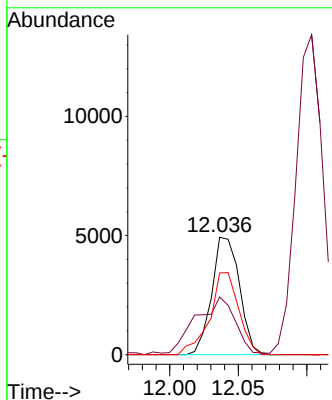
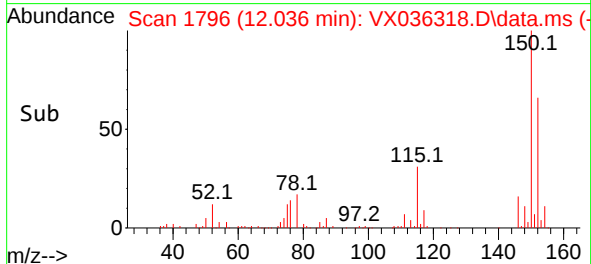
Instrument :
MSVOA_X
ClientSampleId :
230621028-02-VOA



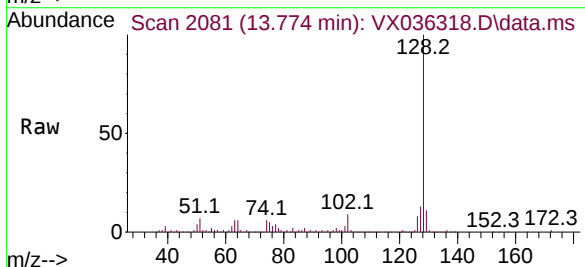
Tgt Ion:146 Resp: 6927
Ion Ratio Lower Upper
146 100
111 70.8 21.3 63.7
148 73.3 31.8 95.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/26/2023
Supervised By :Mahesh Dadoda 06/26/2023



#95
Naphthalene
Concen: 19.720 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX036318.D
Acq: 24 Jun 2023 17:48



Tgt Ion:128 Resp: 177460
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.0 8.8 13.2

