

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011422\
 Data File : VX026450.D
 Acq On : 14 Jan 2022 13:01
 Operator : JC/MD
 Sample : N1150-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 220112014-02-VOA

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/17/2022
 Supervised By : Mahesh Dadoda 01/18/2022

Quant Time: Jan 17 05:57:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 10 12:50:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.904	128	16785	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	93776	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	80096	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	40504	30.010	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.033%			
60) 4-Bromofluorobenzene	11.085	95	39566	29.599	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.667%			
63) Toluene-d8	8.653	98	109500	29.759	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.200%			
Target Compounds					Qvalue	
8) Diethyl Ether	2.136	74	1073	1.943	ug/l	76
15) Acetone	2.386	58	577	3.484	ug/l #	59
16) Carbon Disulfide	2.520	76	696	0.273	ug/l #	75
23) tert-Butyl Alcohol	2.965	59	716384	3746.009	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	7801	2.325	ug/l #	88
25) Chloroform	5.105	83	591	0.307	ug/l #	74
30) 2-Butanone	4.574	43	37789	44.927	ug/l #	71
34) Benzene	6.044	78	3754	0.935	ug/l #	87
45) 1,4-Dioxane	7.671	88	2778m	141.995	ug/l	
58) 4-Methyl-2-Pentanone	8.580	43	9172	6.139	ug/l	92
62) Toluene	8.720	91	2727	0.638	ug/l	98
64) Chlorobenzene	10.079	112	1276	0.492	ug/l #	84
67) m/p-Xylenes	10.305	106	3805	2.141	ug/l	98
68) o-Xylene	10.640	106	2985	1.731	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	875	0.226	ug/l	97
80) 1,2,4-Trimethylbenzene	11.756	105	3419	0.896	ug/l	94
84) 1,4-Dichlorobenzene	12.043	146	5267	2.667	ug/l	98
87) 1,2-Dichlorobenzene	12.341	146	539	0.285	ug/l	93
91) Naphthalene	13.780	128	2552	0.596	ug/l	97

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

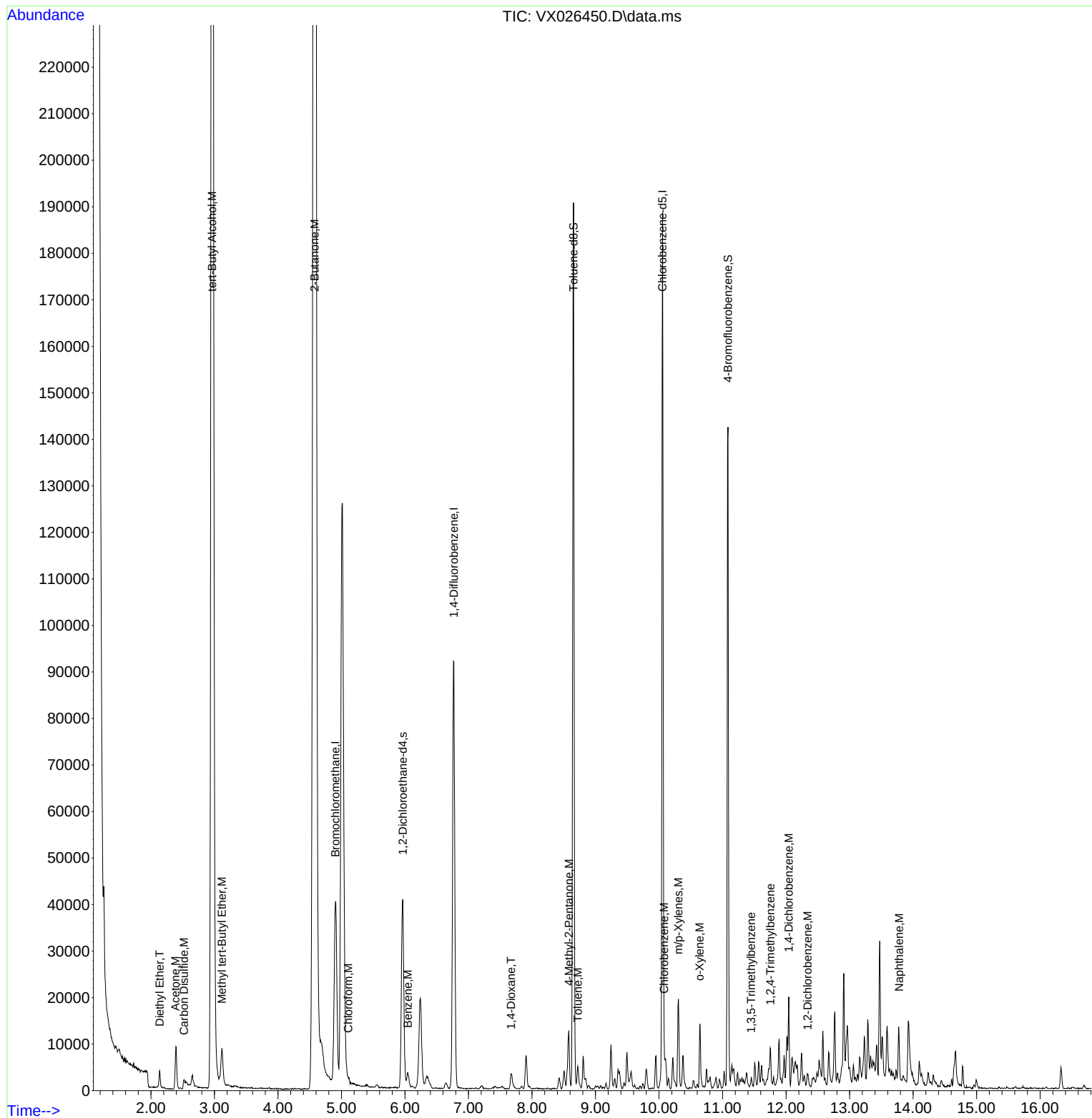
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011422\
Data File : VX026450.D
Acq On : 14 Jan 2022 13:01
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

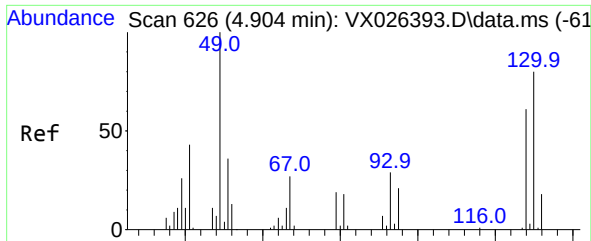
Instrument :
MSVOA_X
ClientSampleId :
220112014-02-VOA

Quant Time: Jan 17 05:57:32 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jan 10 12:50:55 2022
Response via : Initial Calibration

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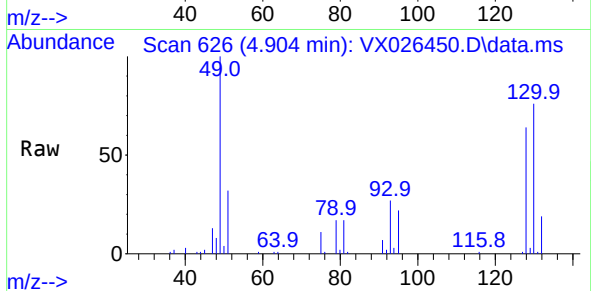
Reviewed By : John Carlone 01/17/2022
Supervised By : Mahesh Dadoda 01/18/2022





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01

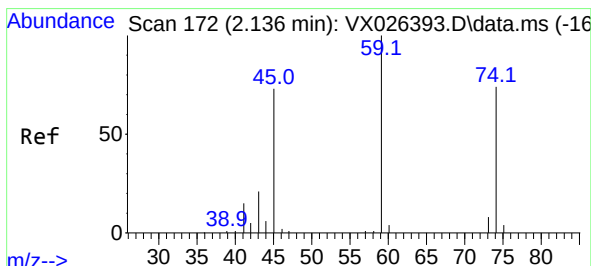
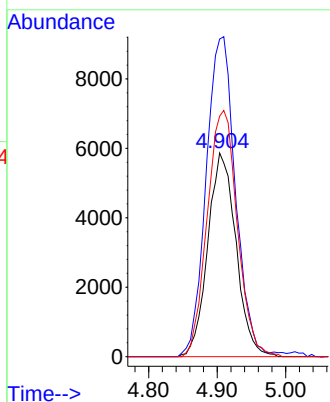
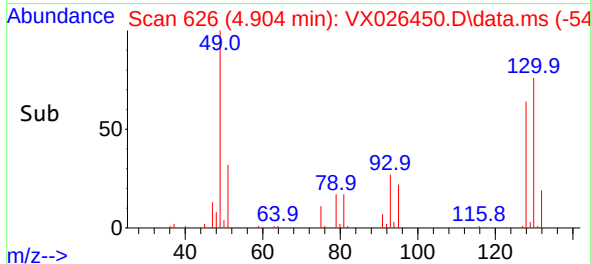
Instrument :
MSVOA_X
ClientSampleId :
220112014-02-VOA



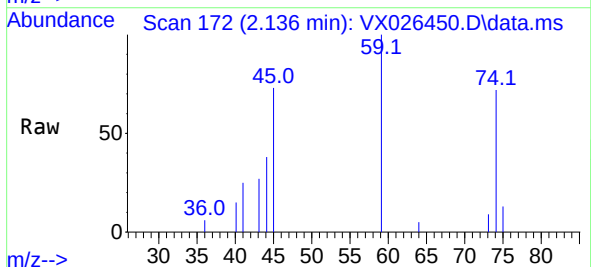
Tgt Ion:128 Resp: 1678
Ion Ratio Lower Upper
128 100
49 162.6 0.0 413.5
130 129.1 0.0 326.0

Manual Integrations
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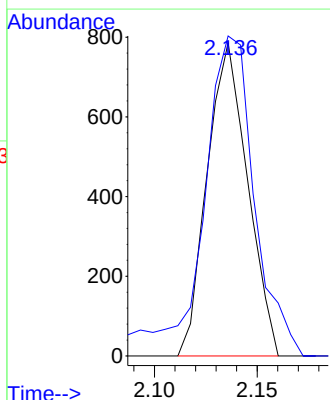
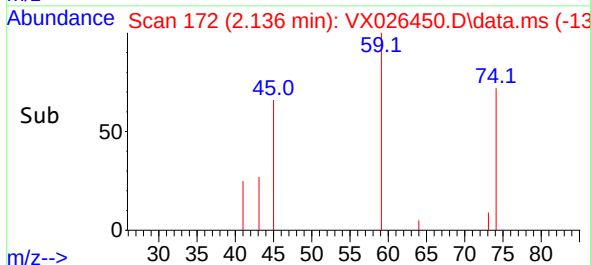
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

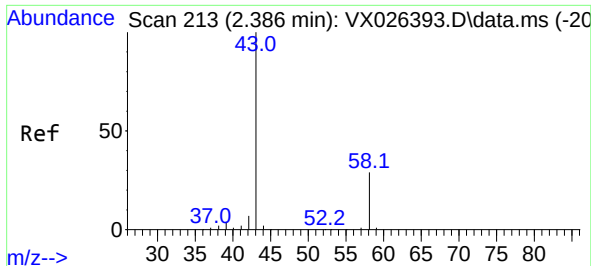


#8
Diethyl Ether
Concen: 1.943 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01



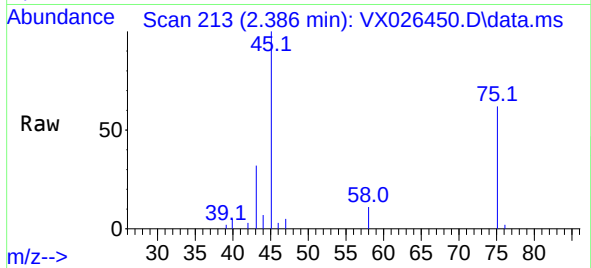
Tgt Ion: 74 Resp: 1073
Ion Ratio Lower Upper
74 100
45 121.5 19.5 175.5





#15
Acetone
Concen: 3.484 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01

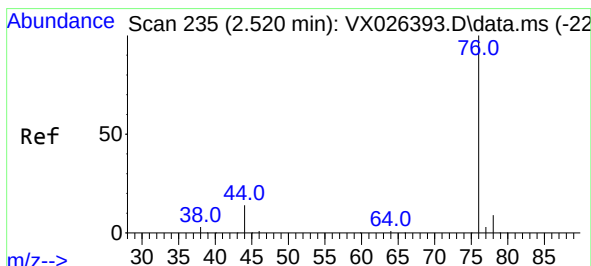
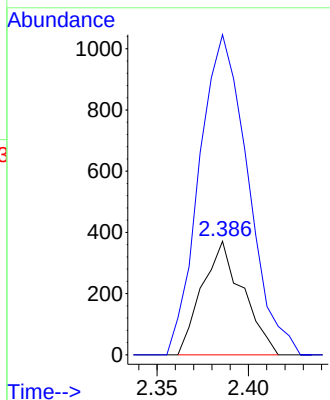
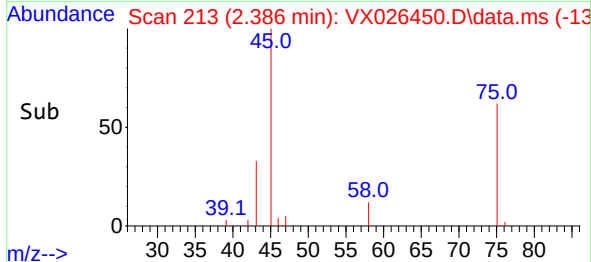
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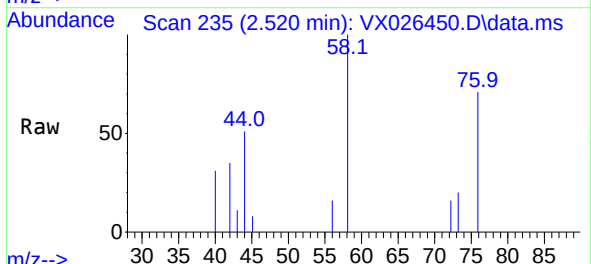
Tgt Ion: 58 Resp: 577
Ion Ratio Lower Upper
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43 256.9 276.3 414.5

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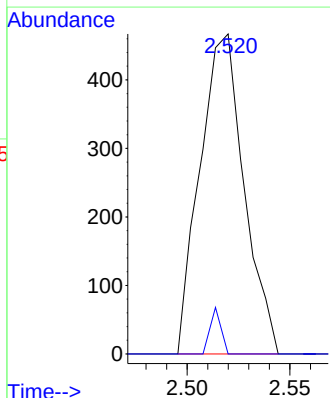
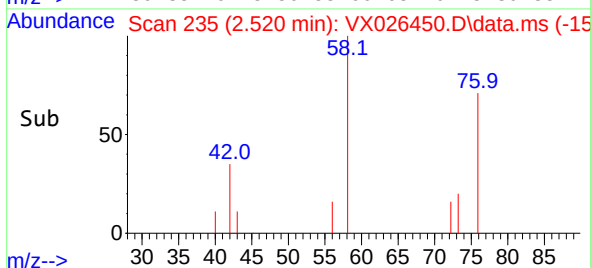
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

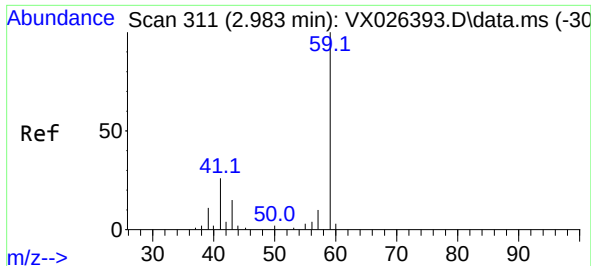


#16
Carbon Disulfide
Concen: 0.273 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.000 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01



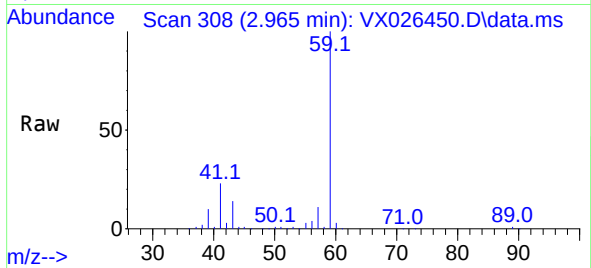
Tgt Ion: 76 Resp: 696
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#





#23
tert-Butyl Alcohol
Concen: 3746.009 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01

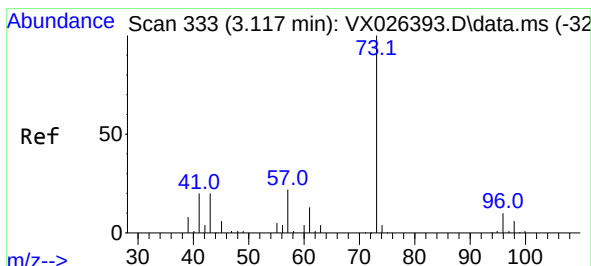
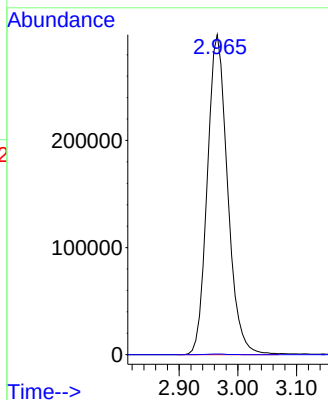
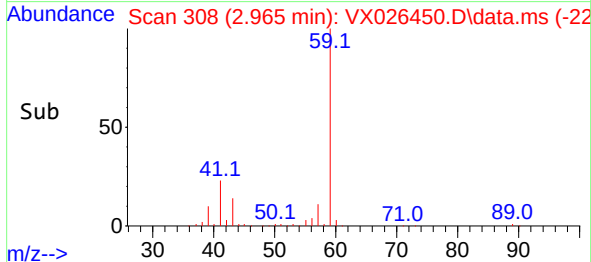
Instrument :
MSVOA_X
ClientSampleId :
220112014-02-VOA



Tgt Ion: 59 Resp: 716384
Ion Ratio Lower Upper
59 100
52 0.2 0.0 0.0

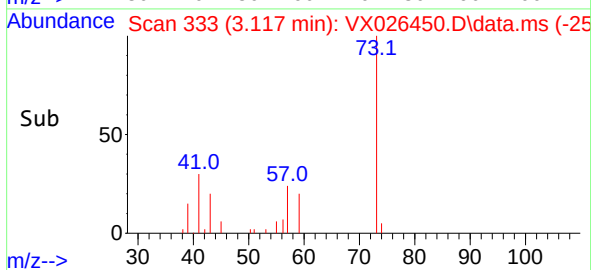
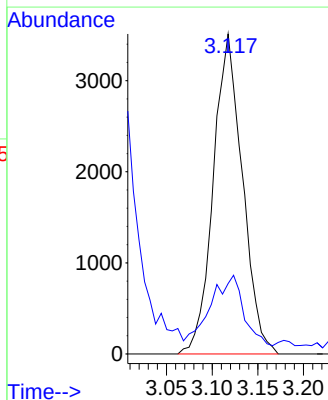
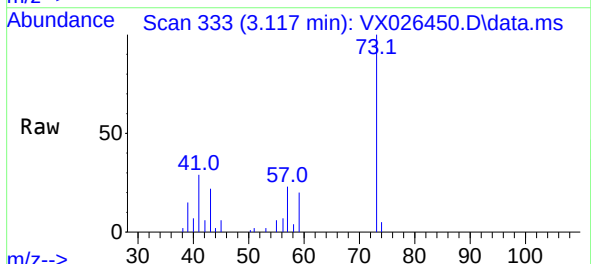
Manual Integrations
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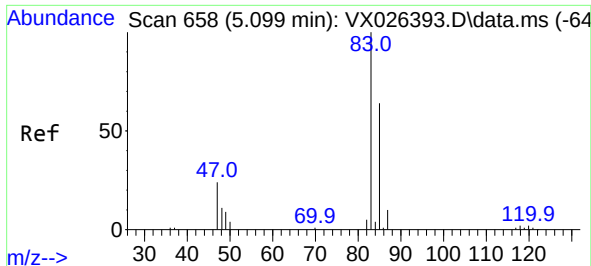
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#24
Methyl tert-Butyl Ether
Concen: 2.325 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01

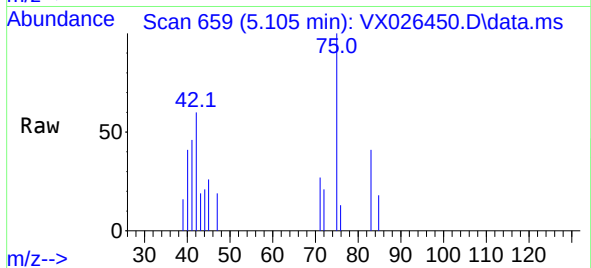
Tgt Ion: 73 Resp: 7801
Ion Ratio Lower Upper
73 100
43 15.9 17.1 25.7#





#25
Chloroform
Concen: 0.307 ug/l
RT: 5.105 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01

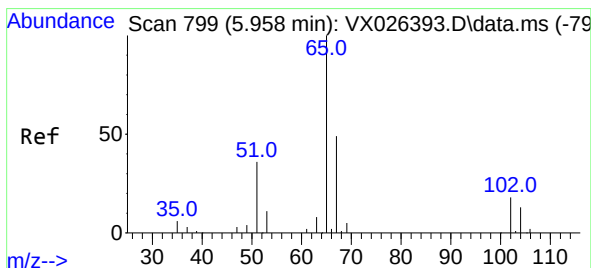
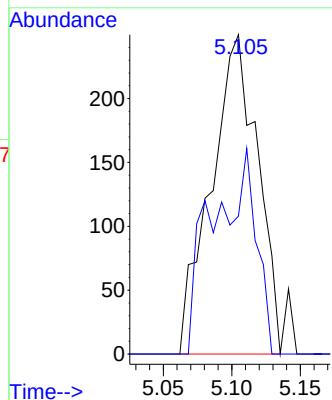
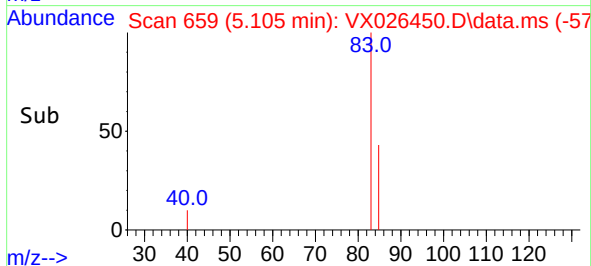
Instrument :
MSVOA_X
ClientSampleId :
220112014-02-VOA



Tgt Ion: 83 Resp: 59
Ion Ratio Lower Upper
83 100
85 43.2 50.8 76.2

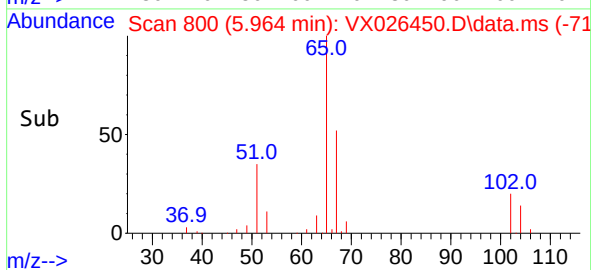
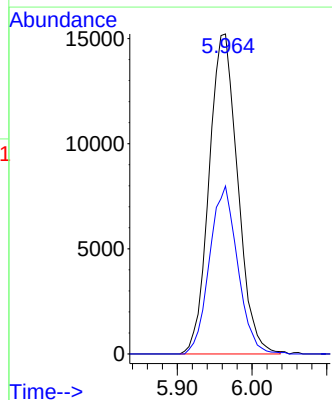
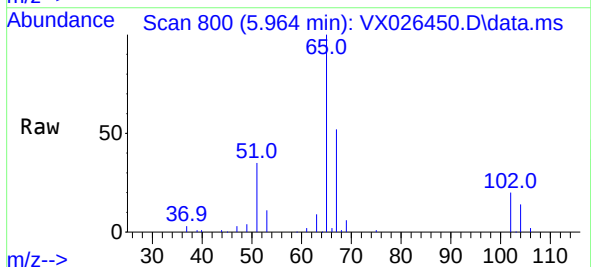
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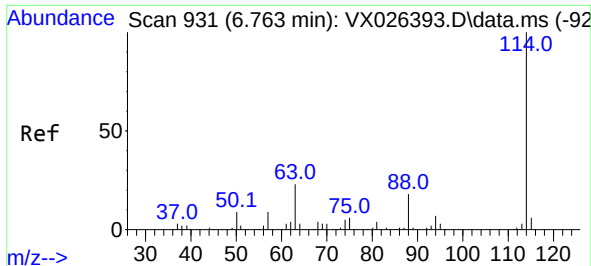
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#27
1,2-Dichloroethane-d4
Concen: 30.010 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01

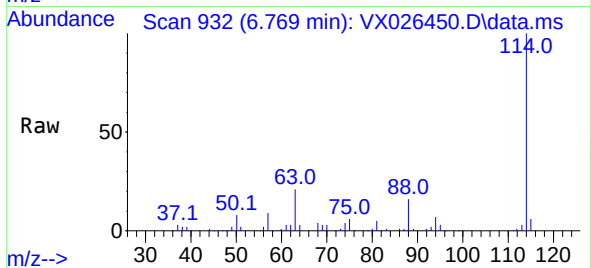
Tgt Ion: 65 Resp: 40504
Ion Ratio Lower Upper
65 100
67 51.6 39.6 59.4





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01

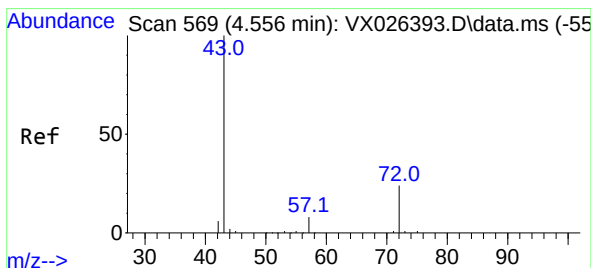
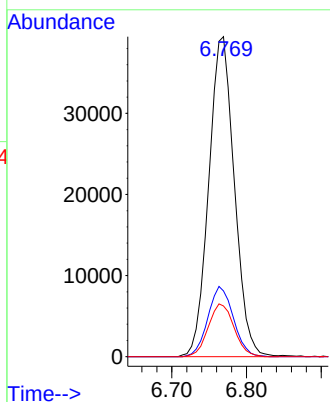
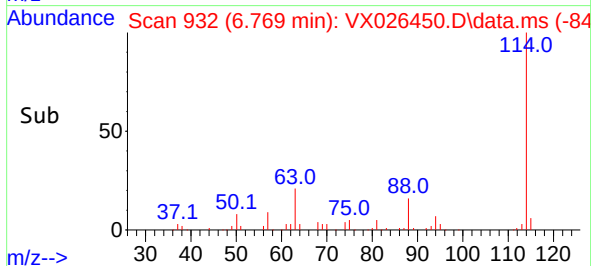
Instrument :
MSVOA_X
ClientSampleId :
220112014-02-VOA



Tgt Ion:114 Resp: 93776
Ion Ratio Lower Upper
114 100
63 21.9 17.4 26.2
88 16.6 13.5 20.3

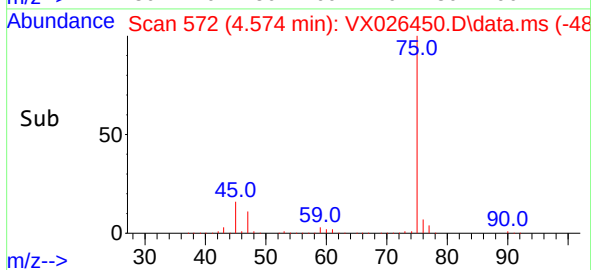
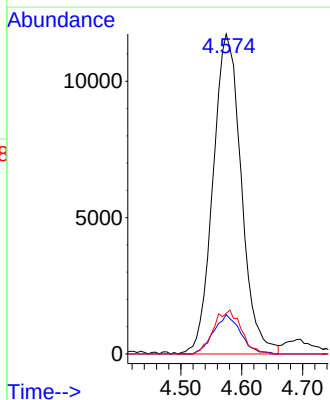
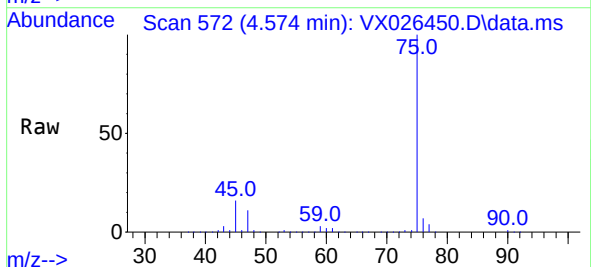
Manual Integrations
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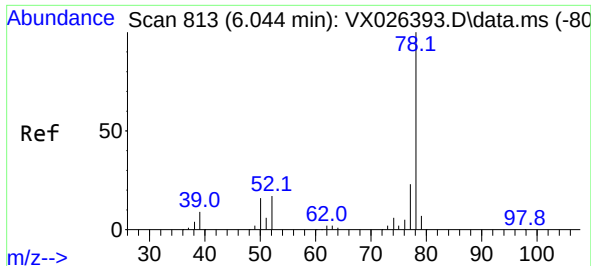
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#30
2-Butanone
Concen: 44.927 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01

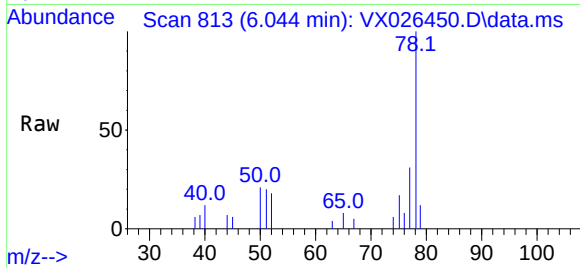
Tgt Ion: 43 Resp: 37789
Ion Ratio Lower Upper
43 100
57 11.7 6.3 9.5#
72 7.5 19.8 29.6#





#34
Benzene
Concen: 0.935 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01

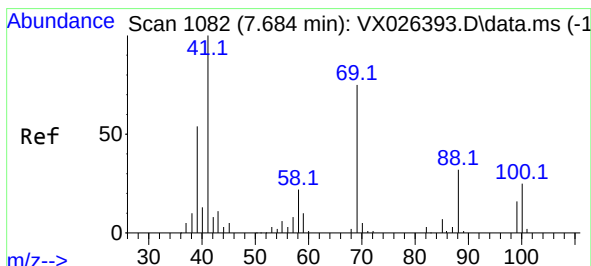
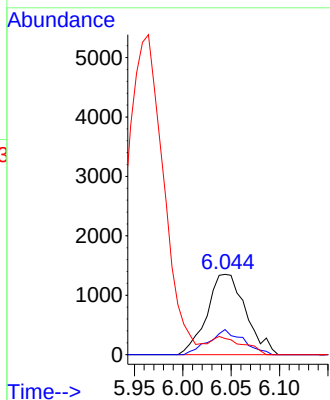
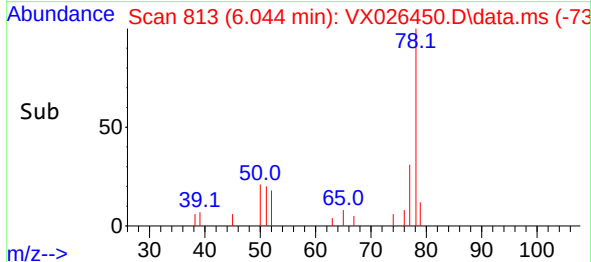
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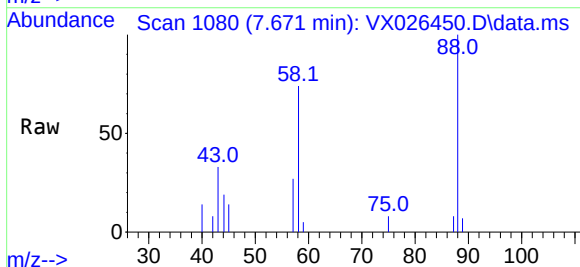
Tgt Ion: 78 Resp: 3754
Ion Ratio Lower Upper
78 100
77 31.3 18.7 28.1
51 20.2 13.5 20.3

Manual Integrations
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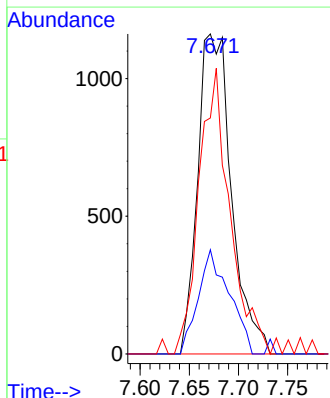
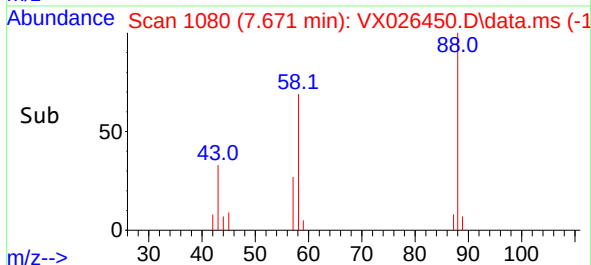
Reviewed By :John Carlone 01/17/2022
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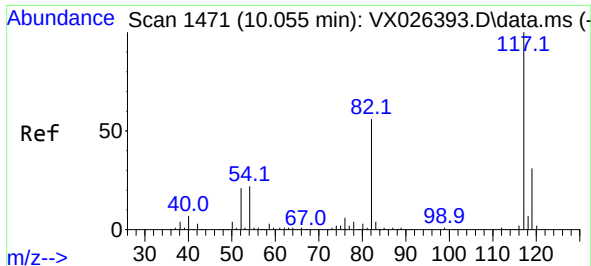


#45
1,4-Dioxane
Concen: 141.995 ug/l m
RT: 7.671 min Scan# 1080
Delta R.T. -0.012 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01



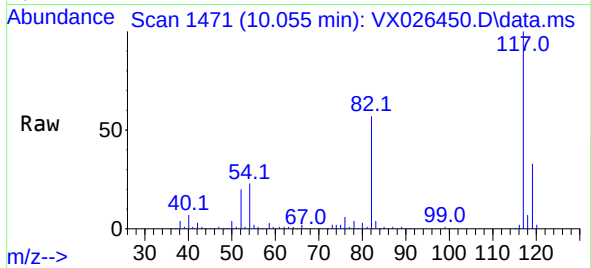
Tgt Ion: 88 Resp: 2778
Ion Ratio Lower Upper
88 100
43 30.0 29.0 43.6
58 81.5 56.2 84.4





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01

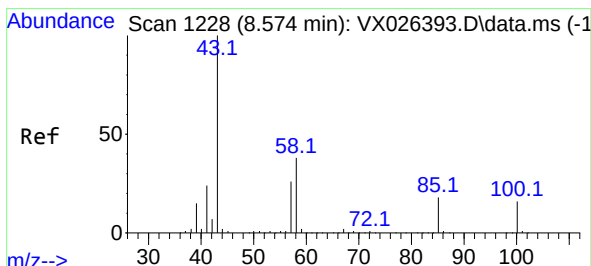
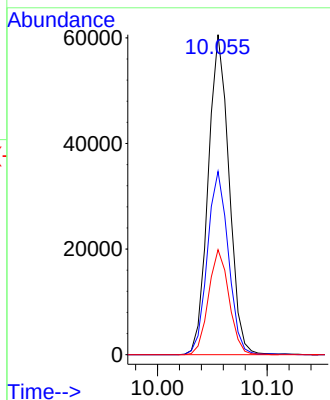
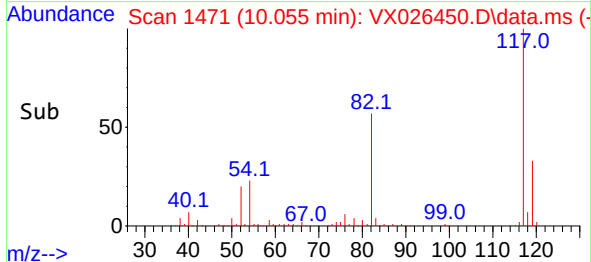
Instrument :
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ClientSampleId :
220112014-02-VOA



Tgt Ion: 117 Resp: 80090
Ion Ratio Lower Upper
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82 57.6 46.2 69.4
119 32.3 25.4 38.2

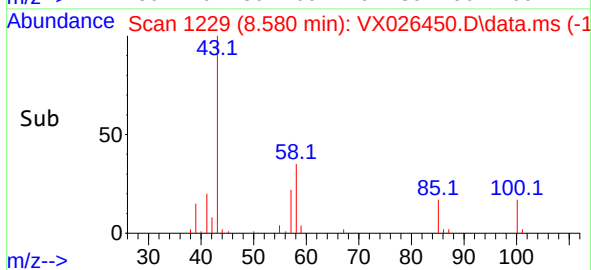
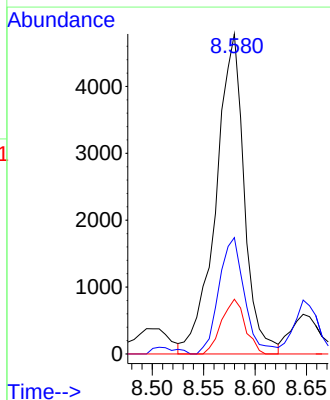
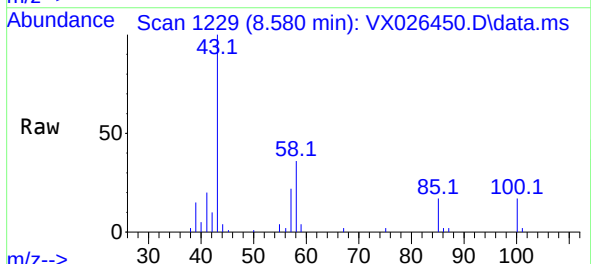
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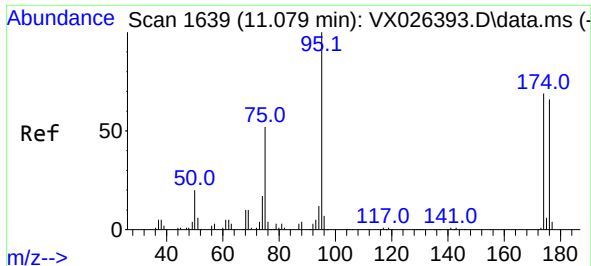
Reviewed By : John Carlone 01/17/2022
Supervised By : Mahesh Dadoda 01/18/2022



#58
4-Methyl-2-Pentanone
Concen: 6.139 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01

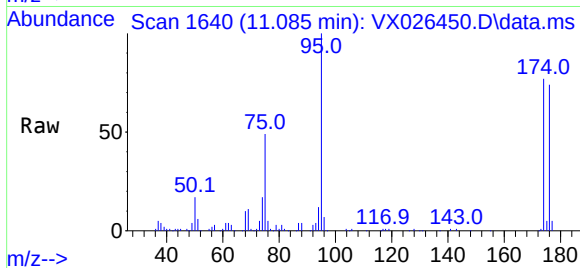
Tgt Ion: 43 Resp: 9172
Ion Ratio Lower Upper
43 100
58 33.1 30.2 45.4
85 14.3 14.1 21.1





#60
4-Bromofluorobenzene
Concen: 29.599 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01

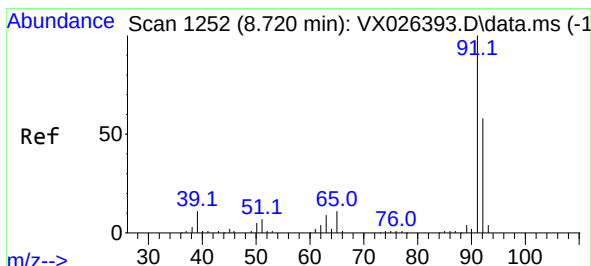
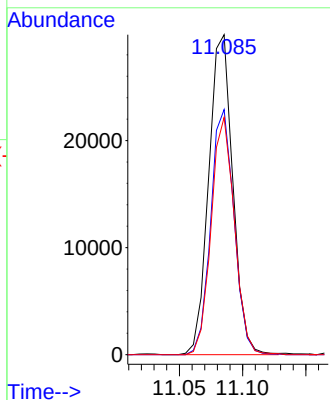
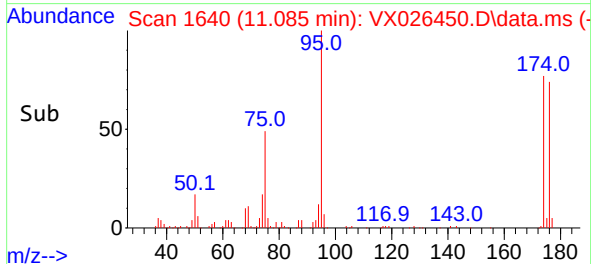
Instrument :
MSVOA_X
ClientSampleId :
220112014-02-VOA



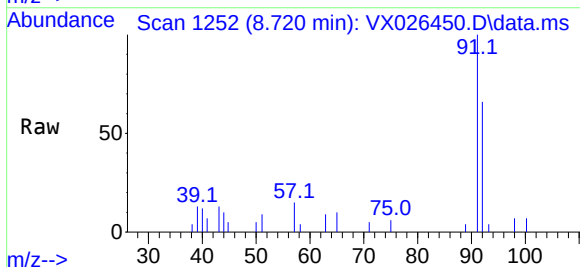
Tgt Ion: 95 Resp: 3956
Ion Ratio Lower Upper
95 100
174 74.2 58.0 87.0
176 71.5 56.5 84.7

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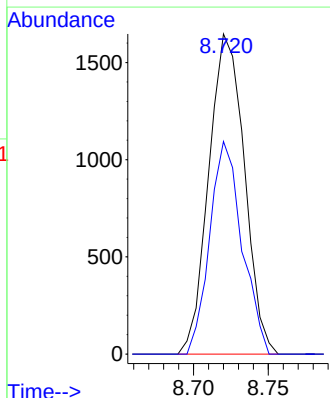
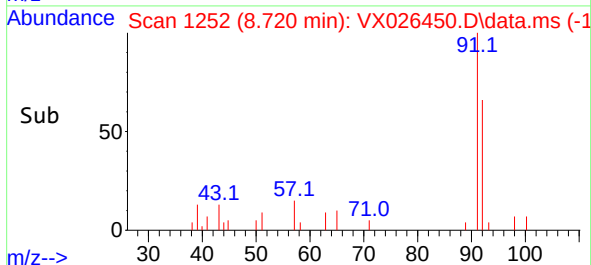
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

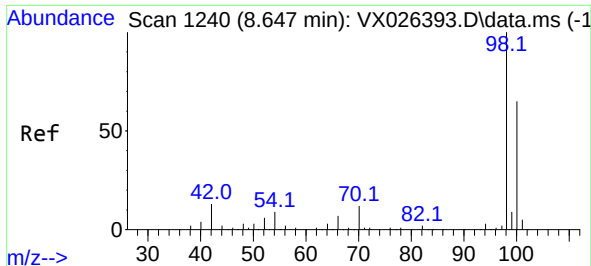


#62
Toluene
Concen: 0.638 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01



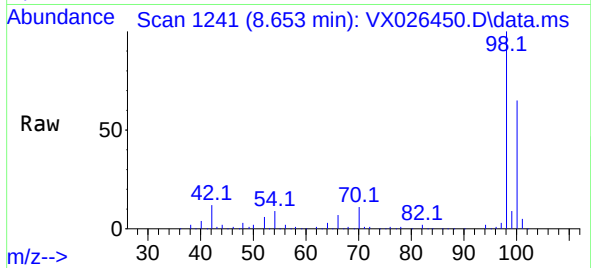
Tgt Ion: 91 Resp: 2727
Ion Ratio Lower Upper
91 100
92 60.2 47.2 70.8





#63
Toluene-d8
Concen: 29.759 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01

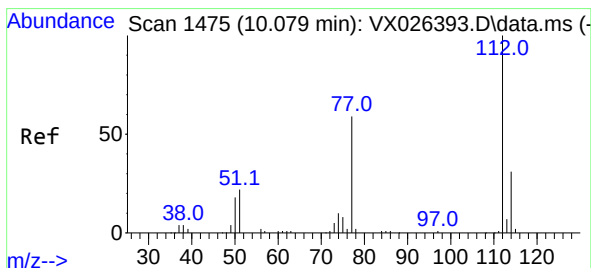
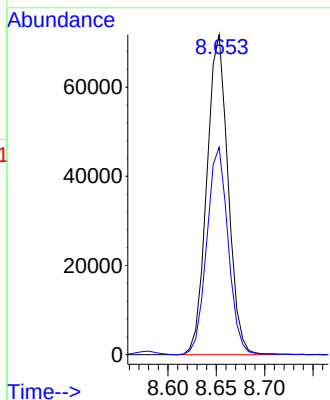
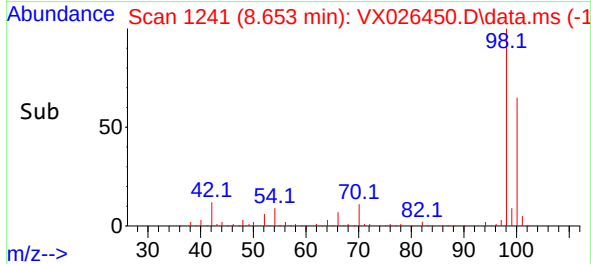
Instrument :
MSVOA_X
ClientSampleId :
220112014-02-VOA



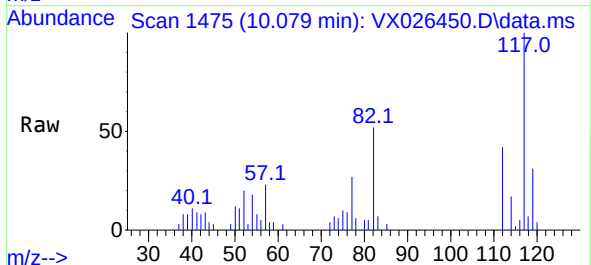
Tgt Ion: 98 Resp: 109500
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7

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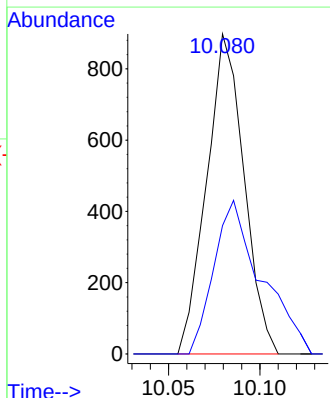
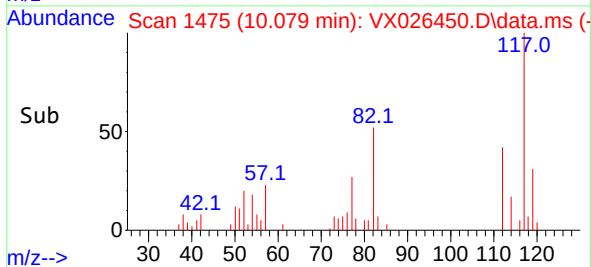
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

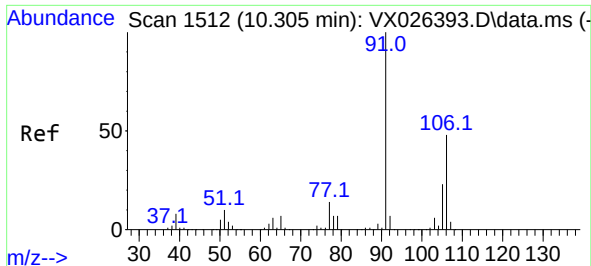


#64
Chlorobenzene
Concen: 0.492 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01



Tgt Ion:112 Resp: 1276
Ion Ratio Lower Upper
112 100
114 40.1 25.0 37.4#





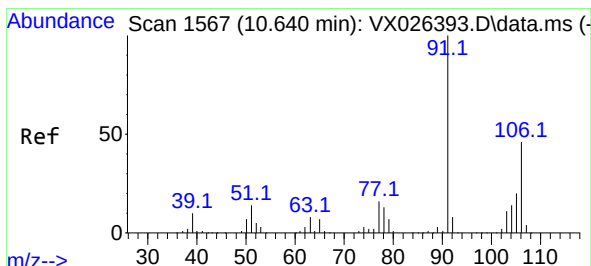
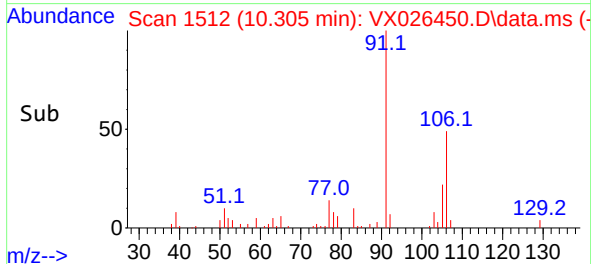
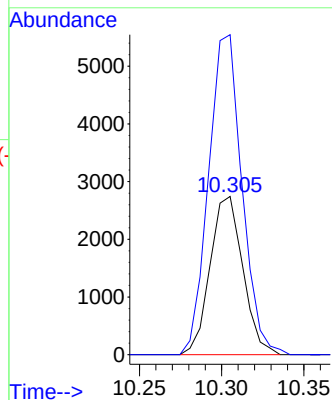
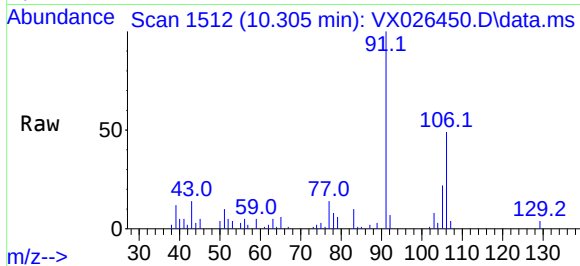
#67
m/p-Xylenes
Concen: 2.141 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01

Instrument :
MSVOA_X
ClientSampleId :
220112014-02-VOA

Tgt Ion:106 Resp: 380
Ion Ratio Lower Upper
106 100
91 206.1 167.2 250.8

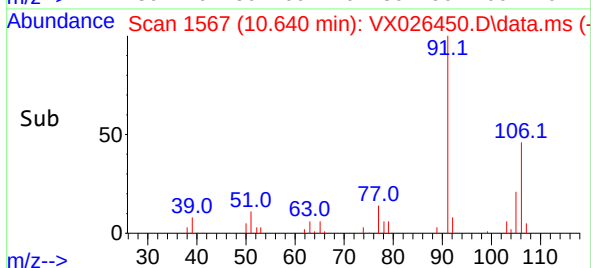
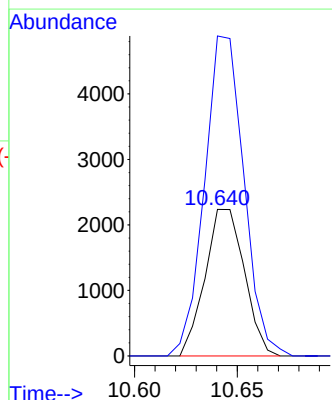
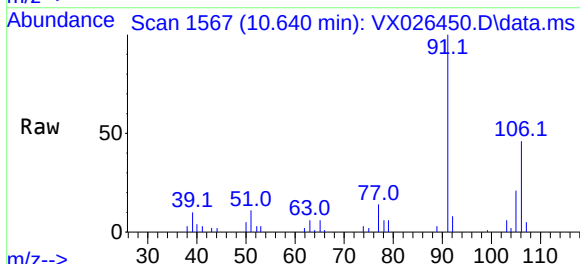
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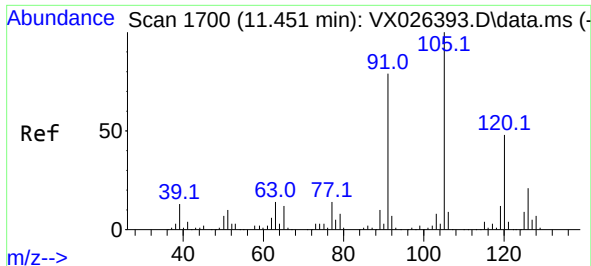
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#68
o-Xylene
Concen: 1.731 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01

Tgt Ion:106 Resp: 2985
Ion Ratio Lower Upper
106 100
91 218.2 108.7 326.3





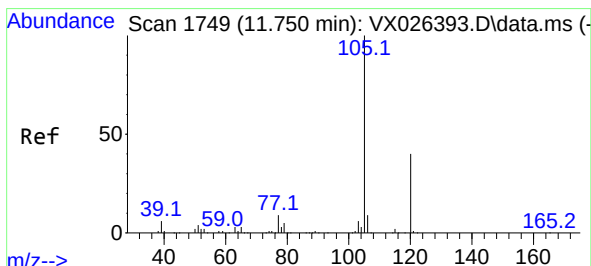
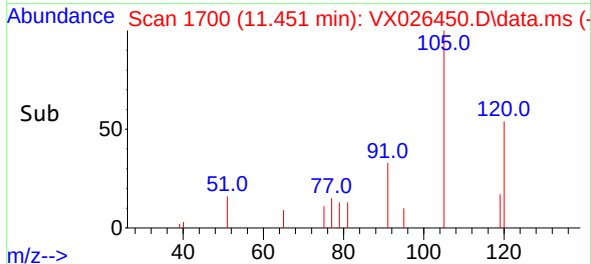
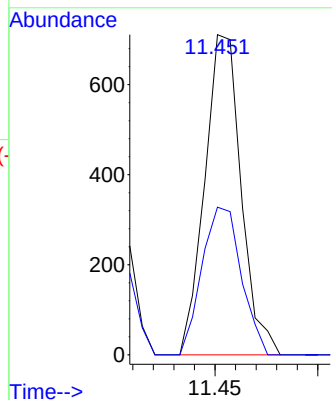
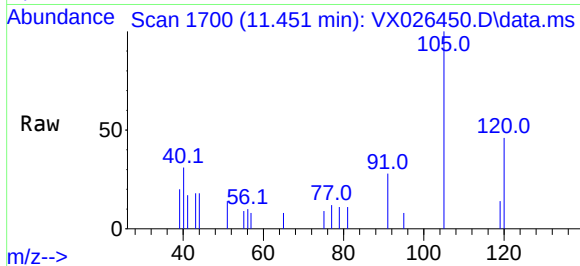
#76
1,3,5-Trimethylbenzene
Concen: 0.226 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01

Instrument :
MSVOA_X
ClientSampleId :
220112014-02-VOA

Tgt Ion:105 Resp: 879
Ion Ratio Lower Upper
105 100
120 49.8 0.0 95.6

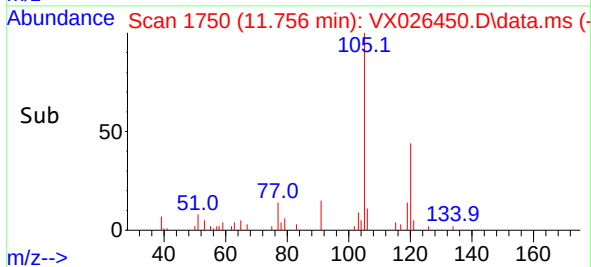
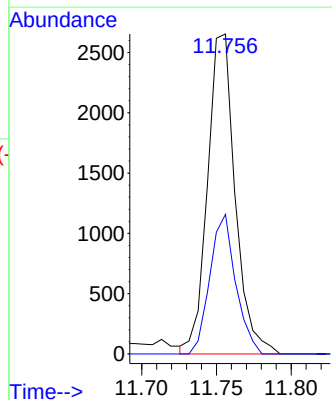
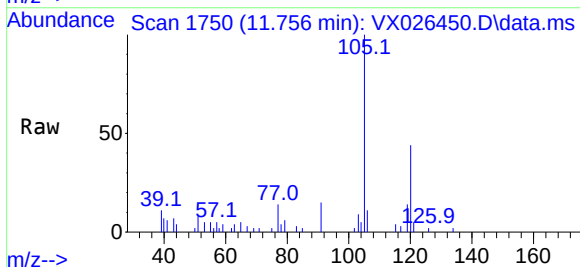
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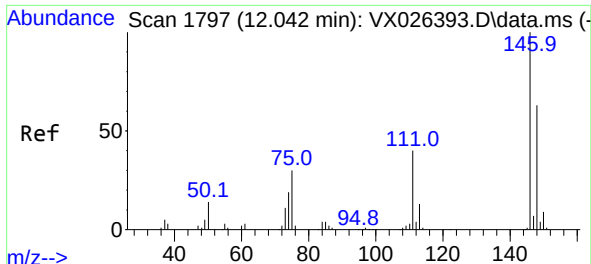
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#80
1,2,4-Trimethylbenzene
Concen: 0.896 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01

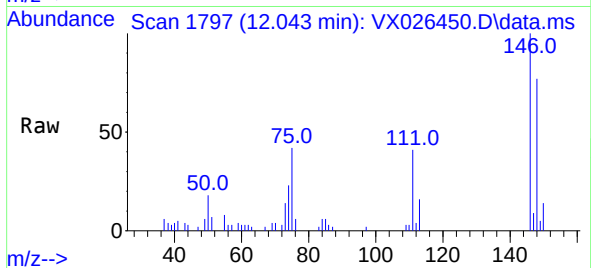
Tgt Ion:105 Resp: 3419
Ion Ratio Lower Upper
105 100
120 40.6 0.0 88.4





#84
1,4-Dichlorobenzene
Concen: 2.667 ug/l
RT: 12.043 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01

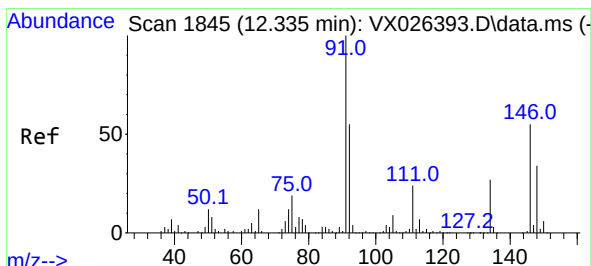
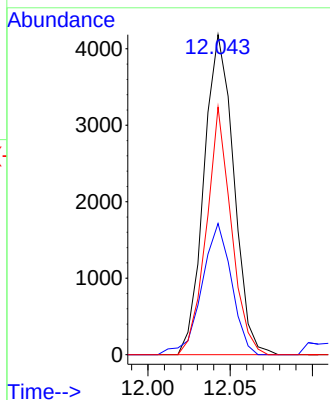
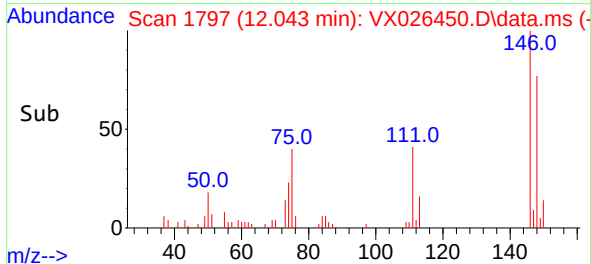
Instrument :
MSVOA_X
ClientSampleId :
220112014-02-VOA



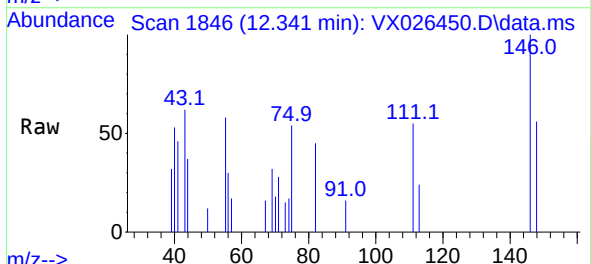
Tgt Ion:146 Resp: 526
Ion Ratio Lower Upper
146 100
111 40.7 20.0 60.0
148 64.7 31.6 94.7

Manual Integrations
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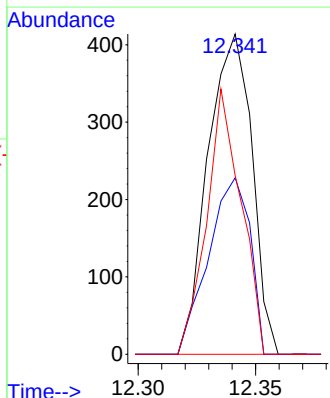
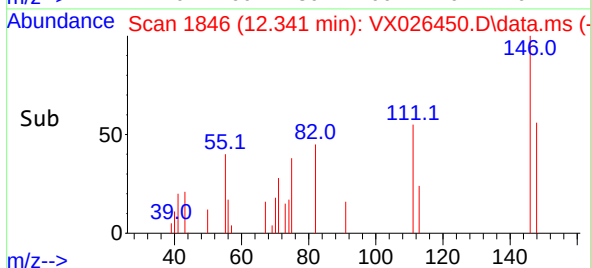
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

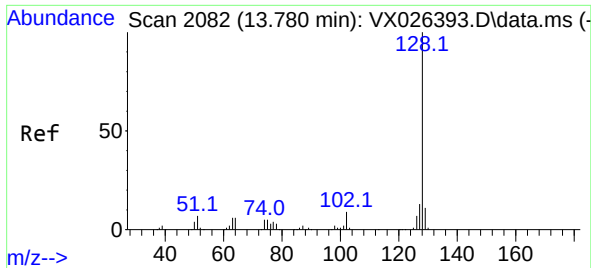


#87
1,2-Dichlorobenzene
Concen: 0.285 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01



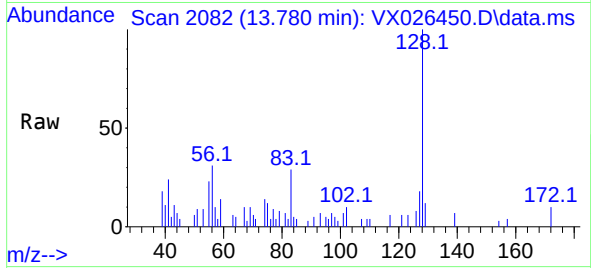
Tgt Ion:146 Resp: 539
Ion Ratio Lower Upper
146 100
111 52.3 21.9 65.8
148 64.7 31.6 94.7





#91
Naphthalene
Concen: 0.596 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX026450.D
Acq: 14 Jan 2022 13:01

Instrument :
MSVOA_X
ClientSampleId :
220112014-02-VOA



Tgt Ion:128 Resp: 2552

Ion	Ratio	Lower	Upper
128	100		
127	15.2	10.6	15.8
129	10.8	8.8	13.2

Manual Integrations
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Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

